



KOMINFO



KEMNAKER



KADIN INDONESIA



Kementerian PPN/
Bappenas



BNSP

BADAN NASIONAL SERTIFIKASI PROFESI

PETA OKUPASI DALAM KERANGKA KUALIFIKASI NASIONAL INDONESIA

BIDANG TEKNOLOGI INFORMASI DAN KOMUNIKASI (TIK)

JAKARTA 2018

KATA PENGANTAR

Peta Okupasi dalam Kerangka Kualifikasi Nasional Indonesia di bidang Teknologi Informasi dan Komunikasi ini merupakan dokumen resmi yang disusun secara kolektif oleh para pemangku kepentingan sebagai referensi dalam memenuhi berbagai kebutuhan terkait dengan pengembangan sumber daya manusia Indonesia. Pihak pemangku kepentingan dimaksud adalah asosiasi industri, asosiasi profesi, perguruan tinggi, pemerintah, dan lembaga-lembaga terkait lainnya disamping sejumlah profesional di bidang teknologi informasi dan komunikasi. Konten dari dokumen ini diperoleh melalui kajian secara menyeluruh dan komprehensif terhadap berbagai tren kebutuhan sumber daya manusia di bidang teknologi informasi dan komunikasi yang mengacu pada kebutuhan nasional, regional, dan internasional.

Tujuan dikembangkannya dokumen ini adalah sebagai referensi standar dalam konteks:

- Penyelenggaraan aktivitas sertifikasi kompetensi yang berbasis pada skema okupasi nasional maupun Kerangka Kualifikasi Nasional Indonesia (KKNI);
- Pengembangan kurikulum pendidikan tinggi di bidang informatika yang mengacu pada KKNI sesuai dengan peraturan perundang-undangan yang berlaku;
- Penyusunan *job description* berbagai fungsi teknologi informasi dan komunikasi yang ada dalam sebuah organisasi komersial maupun nirlaba;
- Pemetaan profil kebutuhan dan ketersediaan sumber daya manusia informatika Indonesia dalam berbagai okupasi dan fungsi kunci; dan
- Pembuatan berbagai modul dan desain instruksional berbasis kompetensi yang dibutuhkan oleh lembaga pendidikan dan pelatihan di seluruh wilayah Indonesia.

Struktur peta okupasi yang dipergunakan sebagai kerangka dalam dokumen ini mengacu pada referensi yang ditetapkan oleh ASEAN sebagai bagian tak terpisahkan dari implementasi Masyarakat Ekonomi ASEAN (MEA). Selain memperlihatkan inventori dan repositori dari berbagai unit kompetensi pada sejumlah okupasi nasional di bidang teknologi informasi dan komunikasi, masing-masing okupasi dikelompokkan pula berdasarkan fungsi kunci dan level kualifikasinya.

Sebagai dokumen hidup, secara periodik konten dari referensi ini senantiasa diperkaya dan disempurnakan sesuai dengan dinamika kebutuhan yang berkembang secara cepat. Seluruh lapisan masyarakat Indonesia dapat berpartisipasi secara aktif dalam aktivitas pemutakhiran tersebut melalui prosedur yang telah ditetapkan.

Akhir kata, adalah merupakan harapan seluruh penyusun dan pengembang dokumen ini agar keberadaannya dapat memberikan kontribusi positif dan signifikan bagi dunia teknologi informasi dan komunikasi di tanah air, terutama adanya manfaat riil yang dirasakan oleh mereka yang bergerak di bidang peningkatan kualitas sumber daya manusia kompeten dan profesional.

Terima kasih dan selamat berkarya.

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PETA OKUPASI NASIONAL BIDANG TEKNOLOGI INFORMASI DAN KOMUNIKASI TAHUN 2017

Disahkan tanggal: 27 Juli 2017
Nomor : 172 /KOMINFO/BLSDM/KS.01.07/7/2017

Oleh:

Dr., Ir. Basuki Yusuf Iskandar, M.A.
Kepala Badan Litbang SDM Kementerian Komunikasi dan Informatika

Drs. Bambang Satrio Lelono, M.A.
Direktur Jenderal Pembinaan Pelatihan dan Produktivitas Kementerian Ketenagakerjaan

Anton J. Supit
Wakil Ketua Umum Kamar Dagang dan Industri Indonesia Bidang Ketenagakerjaan dan Hubungan Industrial

Drs. Pungky Sumadi, MPC, Ph.D.
Deputi Menteri PPN / Kepala Bappenas
Bidang Kependudukan dan Ketenagakerjaan

Ir. Sumarna F. Abdurrahman, M.Sc.
Ketua Badan Nasional Sertifikasi Profesi

No	Kategori	Strata Jabatan	Bidang (Divisi)	Area Fungsi Teknologi Informasi dan Komunikasi															
				IT Management System	IT Infrastructure and Digital Personnel	IT Infrastructure	Network and Infrastructure	Operation and System Tools	Information System and Technology Development	IT Governance and Management	IT Security Architecture	IT Security and Compliance	IT System Management System	IT Facilities Management	IT Multimedia	IT Mobility and Internet of Things	Integration Application System	IT Consultancy and Advisory	
9	AHLI	AHLI UTAMA	DIREKTUR UTAMA PRESIDEN, DIREKTUR, CHD, MANAGING DIRECTOR	CHIEF OF INFORMATION OFFICER	MANAGING APPLICATIONS DIRECTOR	TECHNOLOGY DIRECTOR	CHIEF OPERATIONS OFFICER	CHIEF TECHNOLOGY OFFICER	CHIEF PROJECTS OFFICER	CHIEF ENTERPRISE ARCHITECTURE	CHIEF COMPLIANCE OFFICER	CHIEF SERVICES OFFICER	CHIEF FACILITIES OFFICER	CHIEF MULTIMEDIA OFFICER	CHIEF MOBILITY OFFICER	CHIEF SYSTEM OFFICER	PRINCIPAL IT ADVISOR		
8		AHLI SENIOR	DIREKTUR, VICE PRESIDENT, GENERAL MANAGER, SCIENTIST	DATA & INNOVATION DIRECTOR	PRODUCTION & DESIGN (SERVICE) PRODUCTION MANAGER	TECHNOLOGY INNOVATION TECHNOLOGY SCIENTIST	TECHNOLOGY SERVICES VICE PRESIDENT	OPERATION AND TECHNOLOGY DIRECTOR	VICE PRESIDENT INNOVATION SERVICES	VICE PRESIDENT PROJECT AND ARCHITECTURE	VICE PRESIDENT ENTERPRISE AND ARCHITECTURE	MANAGING COMPLIANCE OFFICER	PRODUCTION SERVICES & SERVICE OFFICER	ELECTRONIC COMMUNICATIONS OFFICER	DESIGN PRODUCTION MULTIMEDIA (DESIGN, GRAPHIC DESIGNER)	DESIGN MOBILE AND INTERNET (DESIGN, GRAPHIC DESIGNER)	DESIGN SYSTEM OFFICER	GROUP IT ADVISOR	
7		AHLI PERDANA	MANAGER, EXPERT	DATA & INNOVATION	DESIGN PRODUCTION MANAGER	TECHNOLOGY INNOVATION	TECHNOLOGY SERVICES	OPERATION AND TECHNOLOGY	INFORMATION ARCHITECTURE	PROJECT MANAGEMENT	ENTERPRISE ARCHITECTURE	COMPLIANCE OFFICER	DESIGN PRODUCTION	ELECTRONIC COMMUNICATIONS	DESIGN PRODUCTION MULTIMEDIA	DESIGN MOBILE AND INTERNET	DESIGN SYSTEM	GROUP IT ADVISOR	
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6	TEKNIISI/ANALIS MADYA	ASISTEN MANAGER, DEPUTY MANAGER, ADVISOR	DATA ARCHITECT	DESIGN PRODUCTION MANAGER	TECHNOLOGY INNOVATION	TECHNOLOGY SERVICES	OPERATION AND TECHNOLOGY	INFORMATION ARCHITECTURE	PROJECT MANAGEMENT	ENTERPRISE ARCHITECTURE	COMPLIANCE OFFICER	DESIGN PRODUCTION	ELECTRONIC COMMUNICATIONS	DESIGN PRODUCTION MULTIMEDIA	DESIGN MOBILE AND INTERNET	DESIGN SYSTEM	GROUP IT ADVISOR		
5	TEKNIISI/ANALIS MUDA	SUPERVISOR, PENYELIA	DATA & INNOVATION	DESIGN PRODUCTION MANAGER	TECHNOLOGY INNOVATION	TECHNOLOGY SERVICES	OPERATION AND TECHNOLOGY	INFORMATION ARCHITECTURE	PROJECT MANAGEMENT	ENTERPRISE ARCHITECTURE	COMPLIANCE OFFICER	DESIGN PRODUCTION	ELECTRONIC COMMUNICATIONS	DESIGN PRODUCTION MULTIMEDIA	DESIGN MOBILE AND INTERNET	DESIGN SYSTEM	GROUP IT ADVISOR		
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Penjelasan dan Rincian Unit kompetensi pada Lampiran 2.

Pendahuluan

Salah satu fenomena dalam era globalisasi yang mengemuka adalah maraknya dan tingginya frekuensi lalu lintas sumber daya manusia antar negara dalam berbagai bidang kehidupan. Teknologi informasi dan komunikasi sebagai sebuah sektor industri yang sangat cepat perkembangannya merupakan bidang yang begitu banyak membutuhkan tenaga manusia profesional di berbagai bidang keahlian. Bahkan negara-negara di Asia Tenggara melalui inisiatif Masyarakat Ekonomi ASEAN telah menetapkan industri teknologi informasi dan komunikasi sebagai salah satu sektor prioritas yang harus dipersiapkan dan dikembangkan secara sungguh-sungguh (baca: e-ASEAN). Dalam rangka memastikan tersedianya sumber daya manusia kompeten dan profesional di bidang informatika, sejumlah dokumen utama seperti ASEAN ICT Skill Standards, ASEAN Qualification Reference Framework, ASEAN Guiding Principles for Quality Assurance and Recognition of Certification, dan Strategi Pengembangan Penerapan Standardisasi dan Sertifikasi TIK yang harmonis dengan ASEAN ICT Skill Standard telah diterbitkan sebagai acuan referensi. Untuk itulah maka Indonesia sebagai sebuah negara besar dalam ekosistem ASEAN berkepentingan dalam menyusun dokumen resmi berupa peta okupasi dalam kerangka kualifikasi nasional Indonesia pada bidang teknologi informasi dan komunikasi sebagai referensi dalam pengembangan manusia berdaya saing tinggi. Dokumen yang disusun oleh para pemangku kepentingan secara kolektif ini dikembangkan dengan mengacu pada sejumlah prinsip atau kriteria utama.

Pertama, struktur konten dokumen selaras dengan sistem pendidikan maupun pelatihan di Indonesia. Hal ini diperlihatkan dengan karakteristik unit kompetensi yang sejalan dengan konsep Standar Kompetensi Lulusan maupun penyusunan kurikulum pendidikan yang mengacu pada Kerangka Kualifikasi Nasional Indonesia (KKNI).

Kedua, segala program, prosedur, dan aktivitas yang dilakukan dalam penyusunan dokumen ini dikoordinasikan, diselenggarakan, dan diikuti oleh pihak-pihak yang secara hukum memiliki otoritas terkait dengan proses pengembangan dokumen referensi (baca: *referencing*). Kementerian Komunikasi dan Informatika selaku penanggung jawab sektor industri teknologi informasi dan komunikasi, melalui Badan Penelitian dan Pengembangan Sumber Daya Manusia, secara aktif menjadi koordinator dalam penyusunan dokumen ini. Otoritas lain yang dilibatkan sebagai mitra adalah Kementerian Tenaga Kerja, Badan Perencanaan Pembangunan Nasional, dan Badan Nasional Sertifikasi Profesi. Adapun mewakili pemangku kepentingan yang menjadi inti penyusun konten dokumen adalah asosiasi industri, asosiasi profesi, perguruan tinggi, dan komunitas terkait lainnya.

Ketiga, proses penyusunan dilakukan secara inklusif dan transparan, dimana dipergunakan metoda iterasi interaktif melalui sejumlah pertemuan yang melibatkan pihak-pihak terkait. Sebelum menjadi dokumen resmi, rancangan atau draft disirkulasi dan didistribusikan ke sebanyak mungkin pihak melalui berbagai kanal untuk dimintai masukan. Seluruh masukan dan umpan balik dari masyarakat, dikaji dan dianalisa, sebagai bahan dalam menyempurnakan dokumen.

Keempat, hubungan antara level kualifikasi pada KKNI yang dipergunakan dalam dokumen ini dapat dengan mudah dipetakan dengan deskriptor kualifikasi pada AQRF. Keseluruhan kunci fungsinya pun selaras dengan bidang-bidang prioritas awal pada inisiasi harmonisasi kerangka di ASEAN untuk teknologi informasi dan komunikasi, yaitu: software development, ICT project management, enterprise architecture design, network and system administration, information system and network security, cloud computing, dan mobile computing.

Kelima, keseluruhan okupasi beserta unit kompetensi-nya telah dideskripsikan dan dijabarkan secara jelas sesuai dengan standar yang berlaku. Masing-masing unit kompetensi yang diambil dari SKKNI dan standar internasional telah terelaborasi ke dalam komponen-komponen pembentuknya, terutama elemen kompetensi dan kunci unjuk kinerja.

Keenam, hasil dari sosialisasi rancangan dokumen ini dan pasca penetapannya – yang melibatkan berbagai

perguruan tinggi, lembaga pelatihan, dan asosiasi yang terkait dengannya – secara aklamasi mendukung dipergunakannya referensi ini sebagai acuan dalam pengembangan kurikulum dan proses sertifikasi kompetensi. Unit-unit kompetensi yang ada dapat dipergunakan sebagai standar kompetensi lulusan mata kuliah maupun program studi, untuk memastikan lulusannya sesuai dengan kebutuhan industri (baca: *link and match*).

Ketujuh, proses *referencing* menyangkut taksonomi fungsi kunci, nama okupasi, dan level kualifikasi dirancang oleh otoritas pemangku kepentingan – yang dapat dengan mudah dikenali melalui sistem pengkodean nama okupasi maupun unit kompetensinya. Kode *referencing* ini secara konsisten berinduk pada kode pada SKKIN maupun standar internasional yang diadopsi.

Kedelapan, melalui beberapa kali pertemuan dalam lingkungan ASEAN, draft rancangan dokumen ini telah diperlihatkan kepada para ahli maupun komunitas dari negara lain. Disamping itu, sejumlah profesional dan komunitas dari negara-negara di luar ASEAN dilibatkan pula dalam menyempurnakan dan memutakhirkan peta okupasi dimaksud.

Kesembilan, keseluruhan laporan lengkap terkait dengan konten maupun proses penyusunan dokumen ini secara transparan dan akuntabel dapat diakses oleh masyarakat luas melalui website yang dipersiapkan oleh Kementerian Komunikasi dan Informatika Republik Indonesia. Keseluruhan masukan dari masyarakat untuk tujuan revisi dan pemutakhiran di kemudian hari dapat pula disalurkan melalui situs ini.

Kesepuluh, melalui Kementerian Komunikasi dan Informatika Republik Indonesia, dengan dukungan Kementerian Tenaga Kerja, Badan Perencana Pembangunan Nasional, dan Badan Nasional Sertifikasi Profesi, dokumen ini dipublikasikan dan disebarluaskan secara nasional. Adapun distribusi kepada negara-negara ASEAN dilakukan melalui Sekretariat ASEAN yang berdomisili di Jakarta.

Kesebelas, semua lembaga dan institusi terkait dengan Indonesia, terutama lembaga yang menerbitkan sertifikat, menjadikan dokumen ini sebagai acuan dan referensi resmi melalui proses *referencing* yang konsisten dan berkesinambungan. Termasuk pula di dalamnya lembaga pendidikan maupun pelatihan yang ada di seluruh wilayah tanah air.

Berdasarkan kesebelas prinsip inilah maka anatomi peta okupasi terbagi menjadi sejumlah komponen yaitu:

- Fungsi Kunci, yang terdiri dari 16 (enam belas) domain area, sebagaimana terlihat pada sisi atas horizontal pada peta, yaitu: Data Management System, Programming and Software Development, Hardware and Digital Peripherals, Network and Infrastructure, IT Governance and Management, IT Project Management, IT Enterprise Architecture, IT Security and Compliance, IT Multimedia, dan IT Consultancy and Advisory.
- Level Kualifikasi, yang terdiri dari 9 (sembilan) tingkat, sesuai dengan KKNi, sebagaimana terlihat pada sisi kiri vertikal pada peta – dimana dibagi menjadi tiga kelompok yaitu: Ahli, Teknisi/Analisis, dan Operator. Disamping itu ditambahkan pula terminologi strata jabatan yang kerap dipakai di kalangan industri maupun pemerintahan.
- Okupasi, yang terdiri dari berbagai jabatan pekerjaan maupun profesi yang dikenal dalam industri teknologi informasi dan komunikasi. Warna dasar hijau memperlihatkan okupasi yang unit kompetensinya diambil dari SKKIN, sementara warna dasar biru dari standar internasional atau standar khusus lainnya.
- Kode Okupasi, yang terdiri dari 6 (enam) digit menggambarkan area domain fungsi kunci (dua digit pertama), level KKNi (dua digit kedua), dan urutan nama okupasi (dua digit terakhir).

Dengan diterbitkannya peta okupasi ini, diharapkan seluruh institusi dan komponen masyarakat yang memiliki berbagai kebutuhan dalam mengembangkan sumber daya manusia kompeten dan profesional di bidang teknologi informasi dan komunikasi dapat memanfaatkannya. Sebagai dokumen hidup yang selalu berevolusi dan beradaptasi dengan dinamika jaman, masukan dan umpan balik dari berbagai pihak akan dipergunakan secara berkesinambungan untuk memutakhirkan dokumen ini secara periodik.

KONTRIBUTOR PERSONIL

Andiani Abimanyu
Anwar T. Sitorus
Ashari Abidin
Basuki Yusuf Iskandar
Besar Agung Martono
Chandra Yulistia
Didik Setiyadi
Dwinita
Eko K. Budiarjo
Endang Retnoningsih
Erick Dazky
Even Alex Chandra
Fajar Rulhudana
Fata Nidaul Khasanah
Hariyono
Harry Setiadi
Hedi M Idris
Heni Jusuf
Herlawati,
I Made Wiryana
IGN Mantra
Imam M. Sofi
Karya Gunawan
Ki Pramono Hadiatmodjo
Lina Vana
Lucia Sri Istiyowati
M. Fauzy
Mujiono Sadikin
Multazam
Nani K. Tachjar
Ninuk Wiliani
Pratiwi
Rangga Firdaus
Richardus Eko Indrajit
Rita Wahyuni Arifin
Ruliah S
Rushendra
Samuel Gunawan
Siswanto
Solikin
Sriasih
Sunardi
Surono
Syahbaniar Rofiah
Tino Alfian
Tinton
Titing Widyastuti
Windy Gambetta
Yaya Sudarya Triana

KONTRIBUTOR ASOSIASI

Asosiasi E-commerce Indonesia-idEA
Asosiasi Pengusaha Komputer Indonesia APKOMINDO
Asosiasi Piranti Lunak dan Telematika Indonesia ASPILUKI
Badan Nasional Sertifikasi Profesi BNSP
Ikatan Ahli Informatika Indonesia IAI
Ikatan Audit Sistem Informasi Indonesia IASII
INIXINDO
Institut Perbanas
Institut Sains dan Teknologi Nasional ISTN
Institut Teknologi Bandung ITB
IPKIN
Kementerian Komunikasi dan Informatika
LSP Komputer
LSP Universitas Pancasila
Preinexus
PT. Elnusa
Stmik Banjarbaru
STMIK Bina Insani
STMIK Mataram
STMIK Mercusuar
UIN Syarif Hidayatullah
Universitas Bina Nusantara
Universitas Budi Luhur
Universitas Guna Darma
Universitas Indonesia
Universitas Lampung
Universitas Mercu Buana
Universitas Nasional

AREA FUNGSI TEKNOLOGI INFORMASI DAN KOMUNIKASI

Secara garis besar terdapat 16 (enam belas) fungsi kunci dalam bidang teknologi informasi dan komunikasi. Keseluruhan fungsi kunci ini merupakan rangkuman dari kebutuhan industri akan sumber daya manusia kompeten dan profesional pada lingkungan nasional, regional, maupun internasional.

Sistem Manajemen Data

(Data Management System)

Aspek ini berkaitan dengan kemampuan seorang individu dalam merancang, membangun, dan mengimplementasikan sistem basis data dan/atau informasi (konten digital). Ruang lingkup dan jenis model database dimaksud beraneka ragam, seperti berbasis struktur, relasional, objek, dan lain sebagainya. Termasuk di dalam domain ini adalah kemampuan mengolah data tidak terstruktur seperti yang dikembangkan dalam konsep big data dan business intelligence.

Pengembangan Perangkat Lunak dan Pemrograman

(Programming and Software Development)

Aspek ini berkaitan dengan kemampuan seorang individu dalam merancang, mendesain, mengkonfigurasi, dan membuat perangkat lunak (software) maupun aplikasi yang dijalankan/dioperasikan dalam lingkungan komputer, piranti digital, maupun jaringan. Spektrum kemampuan ini berhubungan erat dengan metodologi atau life cycle pembuatan perangkat lunak, yaitu: perencanaan, perancangan, pemrograman, pengujian, perbaikan, penerapan, dan penilaian. Disamping itu, aspek ini berkaitan pula dengan kemampuan seorang individu dalam membuat atau mengembangkan program komputer yang dapat dijalankan dalam berbagai lingkungan komputasi (standalone maupun network), baik menggunakan bahasa tingkat rendah (low level language) hingga tingkat tinggi (high level language) – baik yang bersifat terbuka (open source) maupun tertutup (proprietary).

Perangkat Keras dan Piranti Digital

(Hardware and Digital Peripherals)

Aspek ini berkaitan dengan kemampuan seorang individu dalam merancang, mendesain, merakit, mengoperasikan, mengendalikan, dan memelihara perangkat keras komputer maupun piranti digital lainnya (hardware). Yang dimaksud dengan piranti digital lain adalah notebook, tablet, telepon pintar (smartphone), dan beraneka ragam gawai lainnya.

Infrastruktur dan Jaringan

(Network and Infrastructure)

Aspek ini berkaitan dengan kemampuan seorang individu dalam merancang, membangun, mengoperasikan, dan mengawasi berbagai komponen teknis jaringan infrastruktur dan telekomunikasi. Yang dimaksud dengan infrastruktur telekomunikasi di sini adalah medium transmisi atau koneksi berbasis digital/elektronik, yang beroperasi melalui darat (terrestrial), laut (kabel laut), maupun udara (satelit).

Sistem Operasi dan Aplikasi Pendukung

(Operation and System Tools)

Aspek ini berkaitan dengan kemampuan seorang individu dalam mengembangkan, menginstalasi, mengkonfigurasi, menggunakan, dan memelihara sistem operasi komputer – baik untuk sistem mandiri (stand-alone) maupun dalam bentuk jaringan (network). Sistem operasi yang dimaksud melingkupi berbagai jenis baik yang bersifat terbuka (open source) maupun tertutup (proprietary).

Pengembangan Sistem dan Teknologi Informasi

(Information System and Technology Development)

Aspek ini berkaitan dengan kemampuan seorang individu dalam merencanakan, merancang, membangun, mengujicoba, menerapkan, mengembangkan, menilai, dan mengendalikan sistem informasi. Sistem informasi pada dasarnya dibangun oleh sejumlah komponen yang saling terkait satu dan lainnya, dimana elemen pembentuknya terdiri dari tiga bagian utama, yaitu: manusia (organisasi), proses, dan teknologi. Dalam tataran implementasinya, terdapat berbagai jenis variasi sistem dimaksud, misalnya: sistem informasi keuangan, sistem informasi sumber daya manusia, sistem informasi korporat, sistem informasi rumah sakit, sistem informasi pengendalian, dan lain sebagainya.

Manajemen dan Tata Kelola Teknologi Informasi

(Information Technology Governance and Management)

Aspek ini berkaitan dengan kemampuan seorang individu dalam hal merencanakan, merancang, mengadakan, membangun, menerapkan, menjalankan, dan mengendalikan tata kelola sistem dan teknologi informasi dalam organisasi. Hal utama yang menjadi fokus pada elemen ini terkait dengan isu seputar governance dan manajemen.

Manajemen Proyek Teknologi Informasi

(Information Technology Project Management)

Aspek ini berkaitan dengan kemampuan seorang individu dalam hal merencanakan, mempersiapkan, menjalankan, mengelola, menilai, mengawasi, dan mengendalikan aktivitas proyek sistem dan teknologi informasi. Adapun fokus utamanya adalah pada manajemen ruang lingkup, kualitas, waktu, biaya, risiko, komunikasi, pengadaan, sumber daya manusia, pemangku kepentingan, dan integrasi.

Arsitektur Teknologi Informasi Korporasi

(Information Technology Enterprise Architecture)

Aspek ini berkaitan dengan kemampuan seorang individu dalam hal merencanakan, merancang, mendesain, menerapkan/mengimplementasikan, mengkaji, mereviu, menilai, mengelola, dan mengendalikan arsitektur enterprise beserta sub-sistem pembentuknya. Adapun sub-sistem pembentuknya berupa arsitektur bisnis (proses), arsitektur aplikasi, arsitektur informasi, arsitektur teknologi, arsitektur organisasi, dan arsitektur kebijakan (policy).

Keamanan Teknologi Informasi dan Kepatuhan

(Information Technology Security and Compliance)

Aspek ini berkaitan dengan kemampuan seorang individu dalam hal merencanakan, merancang, membangun, menerapkan, mengelola, menilai, mengukur, dan mengendalikan sistem keamanan data, informasi, sistem, dan/atau internet. Spektrum ruang lingkup kapabilitas ini bervariasi dari yang sangat konseptual hingga teknis, dan mulai dari yang teoritis hingga terapan. Disamping itu, aspek ini berkaitan pula dengan kemampuan organisasi dalam memenuhi atau mematuhi beragam peraturan/regulasi teknis di bidang keamanan informasi.

Sistem Manajemen Layanan Teknologi Informasi

(Information Technology Services Management System)

Aspek ini berkaitan dengan kemampuan seorang individu dalam hal merencanakan, merancang, mendesain, menerapkan, mengendalikan, dan mengevaluasi beragam layanan teknologi informasi dalam sebuah organisasi. Layanan dimaksud melingkupi aspek-aspek utama seperti: ketersediaan/availabilitas, dukungan bantuan/helping support, kualitas, keberlanjutan, kebersinambungan, dan lain sebagainya.

Sistem Manajemen Fasilitas Teknologi Informasi

(Information Technology and Computing Facilities Management)

Aspek ini berkaitan dengan kemampuan seorang individu dalam hal merencanakan, merancang, mendesain, membangun, menjalankan/menerapkan/mengimplementasikan, mengelola, dan mengendalikan beragam fasilitas, sarana prasarana, dan teknologi pendukung sistem informasi. Fasilitas maupun sarana prasarana dimaksud antara lain: data center, call center, disaster recovery center, server room, cloud computing facilities, dan lain sebagainya.

Multimedia

(IT Multimedia)

Aspek ini berkaitan dengan kemampuan seorang individu dalam merancang, membuat, mengembangkan, dan menerapkan aplikasi dan/atau konten berbasis multimedia dalam platform antarmuka (user interface) yang beragam. Multimedia merupakan representasi digital dalam berbagai format media seperti: teks, gambar/citra/grafis, suara/audio, film/video, atau kombinasi di antaranya. Beragam media ini dikembangkan untuk kebutuhan pengguna yang menginginkan adanya model navigasi aplikasi (input maupun output) yang menarik, mudah digunakan (user friendly), dan ergonomis.

Teknologi Mobile dan Internet-Of-Things

(Information Technology Mobility and Internet-Of-Things)

Aspek ini berkaitan dengan kemampuan seorang individu dalam merancang, membuat, mengembangkan, mengkonfigurasi, menerapkan, dan mengendalikan teknologi yang berhubungan dengan kanal akses (access channels atau distribution channels). Belakangan ini telah dikenal sejumlah teknologi kanal akses yang dikenal masyarakat seperti: ATM, kiosk, TV digital, tablet, smart phone, gadget, kamera, dan lain sebagainya – baik yang berdiri sendiri maupun yang telah dirakit (embedded) dalam entitas lain seperti: mobil, pesawat, kereta api, motor, mesin cuci, lemari es, dan lain sebagainya (internet-of-things).

Sistem Informasi Terintegrasi

(Integration Application System)

Aspek ini berkaitan dengan kemampuan seorang individu dalam merencanakan, merancang, membangun, menerapkan, mengendalikan, dan mengembangkan sistem informasi terintegrasi dan terpadu yang di dalamnya terdiri dari berbagai komponen penting berupa komponen teknologi, proses, dan manusia. Ruang lingkup yang ditangani sangatlah luas, mulai yang bersifat strategis hingga teknis – termasuk di dalamnya isu-isu penting seperti: manajemen perubahan, dinamika sosial, strategi implementasi, dan lain sebagainya.

Konsultasi dan Layanan Jasa SDM Teknologi Informasi

(IT Consultancy and Advisory)

Aspek ini berkaitan erat dengan kemampuan seorang individu dalam memberikan beragam jasa layanan terkait dengan teknologi informasi, seperti konsultasi, pendampingan, pelatihan, penelitian, dan lain sebagainya. Termasuk di dalamnya mereka yang ingin menekuni bidang digital entrepreneurship.

01 DATA MANAGEMENT SYSTEM

010901 CHIEF OF KNOWLEDGE OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT814A	Develop cloud computing strategies for a business
2	ICTPMG8143A	Manage a telecommunications project
3	ICTPMG8149A	Evaluate and use telecommunications management networks
4	ICTSUS8237A	Lead applied research in ICT sustainability
5	ICTSUS8238A	Conduct and manage a life cycle assessment for sustainability
6	TIK.DG03.001.01	Menghitung anggaran produksi
7	TIK.SM02.005.01	Mengendalikan aset dan seluruh sumber daya pelayanan TI
8	TIK.SM02.009.01	Memberikan pelayanan produk-produk teknologi informasi sesuai kebutuhan bisnis
9	TIK.SM03.007.01	Menyediakan manajemen teknis dari operasional teknologi informasi

010801 DATA WAREHOUSE DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	J.620200.003.01	Menetapkan <i>Baseline</i> dan target arsitektur bisnis, serta kesenjangan antara <i>baseline</i> dan target arsitektur bisnis
2	J.620200.004.01	Menyusun roadmap arsitektur bisnis
3	J.620200.005.01	Mengevaluasi artefak arsitektur dalam <i>achitecture landscape</i> yang terkait dengan arsitektur bisnis
4	J.620200.007.01	Menentukan metode pemodelan, sudut pandang dan perangkat bantu untuk merancang arsitektur aplikasi
5	J.620200.013.01	Menentukan metode pemodelan arsitektur teknologi dan <i>technology building block</i> yang diperlukan
6	J.62090.034	Mengkaji efektivitas penerapan kontrol akses
7	J.62090.035	Mengelola siklus pemberian akses
8	M.702000.014.0	Mengidentifikasi tindak lanjut audit teknologi informasi
9	TIK.SM02.001.01	Mengelola kemampuan dan fungsionalitas dari seluruh komponen TI
10	TIK.SM02.005.01	Mengendalikan aset dan seluruh sumber daya pelayanan TI
11	TIK.SM03.005.01	Menetapkan manajemen eskalasi terhadap permasalahan
12	TIK.SM03.006.01	Memantau pelayanan prosedur tingkat layanan

010701 BIG DATASCIENTIST

No	Kode Unit	Nama Unit Kompetensi
1	J.631100.005.01	Menyusun rencana pemeliharaan pusat data
2	J.631100.006.01	Menyusun rencana kapasitas pusat data
3	J.631100.007.01	Mengelola organisasi pusat data
4	J.631100.013.01	Mengelola siklus hidup peralatan dan perangkat pusat data
5	TIK.SM02.008.01	Menyediakan tim pendukung untuk pemeliharaan aplikasi
6	TIK.SM02.012.01	Mengelola insiden yang terjadi
7	TIK.SM02.013.01	Mengelola konfigurasi sistem
8	TIK.SM02.014.01	Mengelola perubahan yang terjadi
9	TIK.SM03.004.01	Menetapkan standar otorisasi akses di dalam organisasi

010702 DATA WAREHOUSE MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT610A	Manage copyright, ethics and privacy in an IT environment
2	ICANWK601A	Design and implement a security system
3	ICANWK614A	Manage IT security
4	ICAPMG602A	Manage IT project initiation
5	ICAPMG606A	Manage IT project quality
6	ICTSUS6234A	Establish a business case for sustainability and competitive advantage in ICT projects

010703 DATA AND SYSTEMS ENGINEERING MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	TIK.SM02.001.01	Mengelola kemampuan dan fungsionalitas dari seluruh komponen TI
2	TIK.SM02.005.01	Mengendalikan aset dan seluruh sumber daya pelayanan TI
3	TIK.SM02.008.01	Menyediakan tim pendukung untuk pemeliharaan aplikasi
4	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI
5	TIK.SM02.015.01	Mengesahkan dan menerapkan layanan kepada pengguna

010704 HELP DESK SUPPORTMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK613A	Develop plans to manage structured troubleshooting process of enterprise networks
2	ICAPRG602A	Manage the development of technical solutions from business specifications
3	ICASAD604A	Manage and communicate IT solutions
4	ICASAD605A	Elicit IT requirements
5	ICASAD606A	Analyse stakeholder requirements

010705 RECORD ADMINISTRATOR MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT603A	Manage the use of appropriate development methodologies
2	ICANWK616A	Manage security, privacy and compliance of cloud service deployment
3	ICAPRG601A	Develop advanced mobile multi-touch applications

010601 DATA MODEL ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT423A	Select cloud storage strategies
2	ICANWK403A	Manage network and data integrity
3	ICASAS301A	Run standard diagnostic tests
4	ICAWEB425A	Apply structured query language to extract and manipulate data

010602 SENIOR SYSTEMS ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT403A	Apply software development methodologies
2	ICAICT413A	Relate to clients on a business level
3	ICANWK419A	Identify and use current virtualisation technologies
4	ICASAS414A	Evaluate system status
5	ICAWEB421A	Ensure website content meets technical protocols and standards
6	ICAWEB422A	Ensure website access and useability
7	ICAWEB423A	Ensure dynamic website security
8	TIK.JK03.009.01	Melakukan analisa teknologi baru

010603 DATAARCHITECT

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK615A	Design and configure desktop virtualisation
2	ICAPRG601A	Develop advanced mobile multi-touch applications
3	ICTSUS6233A	Integrate sustainability in ICT planning and design projects

010604 DATABASE ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS502A	Design a database
2	ICADBS504A	Integrate database with a website
3	ICAICT418A	Contribute to copyright, ethics and privacy in an IT environment
4	ICAICT502A	Develop detailed component specifications from project specifications
5	ICAICT509A	Gather data to identify business requirements
6	ICAICT511A	Match IT needs with the strategic direction of the enterprise
7	ICANWK514A	Model preferred system solutions
8	ICAPRG425A	Use structured query language
9	ICAPRG501A	Apply advanced object-oriented language skills
10	ICAPRG507A	Implement security for applications
11	ICAPRG509A	Build using rapid application development
12	ICASAD501A	Model data objects
13	ICASAD502A	Model data processes
14	ICASAS505A	Review and update disaster recovery and contingency plans
15	ICTICT514	Identify and manage the implementation of current industry specific technologies
16	ICTSUS6233A	Integrate sustainability in ICT planning and design projects
17	J.620100.020.02	Menggunakan SQL

010605 SENIOR OPERATIONSANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK301A	Provide network systems administration
2	ICASAS304A	Provide basic system administration
3	ICASAS402A	Implement configuration management strategies
4	ICTBWN3082A	Perform tests on optical communication system and components
5	ICTTEN5168A	Design and implement an enterprise voice over internet protocol and a unified communications network

010501 DATAANALYST

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP01.001.01	Mengetik pada papan ketik (<i>keyboard</i>) standar
2	TIK.OP01.002.01	Mengidentifikasi aspek kode etik dan HAKI dibidang TIK
3	TIK.OP01.003.01	Mendeskripsikan kewaspadaan terhadap keamananinformasi
4	TIK.OP01.004.01	Mengidentifikasi sistem dan prosedur pengelolaan infrastruktur komputer
5	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian komputer
6	TIK.OP02.009.01	Mengoperasikan PC yang terhubung pada jaringan komputer lokal
7	TIK.OP02.010.01	Melakukan instalasi untuk koneksi internet
8	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasiperkantoran
9	TIK.OP02.017.01	Melakukan penanganan awal (<i>Troubleshooting</i>) atas masalah padaPC
10	TIK.OP02.018.01	Mengoperasikan utilitas dasar untuk <i>Backup, Restore, Data Recovery</i>

010502 DATAMANAGEMENTSUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP01.001.01	Mengetik pada papan ketik (<i>keyboard</i>) standar
2	TIK.OP01.002.01	Mengidentifikasi aspek kode etik dan HAKI dibidang TIK
3	TIK.OP01.003.01	Mendeskripsikan kewaspadaan terhadap keamananinformasi
4	TIK.OP01.004.01	Mengidentifikasi sistem dan prosedur pengelolaan infrastruktur komputer
5	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian komputer
6	TIK.OP02.006.01	Mengoperasikan penelusur <i>Web (Web Browser)</i>
7	TIK.OP02.007.01	Mengoperasikan piranti lunak klien <i>e-mail (e-mail client)</i>
8	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasiperkantoran
9	TIK.OP02.018.01	Mengoperasikan utilitas dasar untuk <i>Backup, Restore, Data Recovery</i>
10	TIK.OP03.002.01	Mengoperasikan dasar-dasar basis data (data base)

010503 DATA ENTRY SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP01.001.01	Mengetik pada papan ketik (<i>keyboard</i>) standar
2	TIK.OP01.002.01	Mengidentifikasi aspek kode etik dan HAKI dibidang TIK
3	TIK.OP01.003.01	Mendeskripsikan kewaspadaan terhadap keamanan informasi
4	TIK.OP01.004.01	Mengidentifikasi sistem dan prosedur pengelolaan infrastruktur komputer
5	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian komputer
6	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasi perkantoran
7	TIK.OP02.017.01	Melakukan penanganan awal (<i>Troubleshooting</i>) atas masalah pada PC
8	TIK.OP02.018.01	Mengoperasikan utilitas dasar untuk <i>Backup, Restore, Data Recovery</i>

010504 TECHNICAL ENGINEER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT408A	Create technical documentation
2	ICAICT417A	Identify, evaluate and apply current industry-specific technologies to meet industry standards
3	ICANWK419A	Identify and use current virtualisation technologies
4	ICASAS306A	Maintain equipment and software
5	ICAWEB405A	Monitor traffic and compile website traffic reports
6	ICAWEB414A	Design simple web page layouts
7	ICTBWN3082A	Perform tests on optical communication system and components
8	J.591100.007.01	Mengatur anggaran produksi
9	J.591100.011.01	Mengatur persiapan produksi
10	J.591100.012.01	Mengatur pelaksanaan produksi
11	J.591100.016.01	Mendesain rencana pemasaran
12	J.591100.017.01	Menangani pelaksanaan pemasaran
13	R.900031.002.01	Merencanakan desain artistik
14	TIK.TS01.002.01	Melakukan Komunikasi yang baik ditempat kerja (<i>Communication Capability</i>)

010505 SYSTEMS INTEGRATOR

No	Kode Unit	Nama Unit Kompetensi
1	J.611000.011.02	Memasang perangkat jaringan ke dalam sistem jaringan
2	J.611000.017.01	Mengidentifikasi sumber kerusakan
3	J.611000.018.01	Memperbaiki kerusakan konfigurasi jaringan
4	TIK.OP01.001.01	Mengetik pada papan ketik (<i>keyboard</i>) standar
5	TIK.OP01.002.01	Mengidentifikasi aspek kode etik dan HAKI dibidang TIK
6	TIK.OP01.003.01	Mendeskripsikan kewaspadaan terhadap keamanan informasi
7	TIK.OP01.004.01	Mengidentifikasi sistem dan prosedur pengelolaan infrastruktur komputer
8	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian komputer
9	TIK.OP02.008.01	Mengidentifikasi komponen sistem komputer tingkat dasar (PC)
10	TIK.OP02.009.01	Mengoperasikan PC yang terhubung pada jaringan komputer lokal
11	TIK.OP02.010.01	Melakukan instalasi untuk koneksi internet
12	TIK.OP02.017.01	Melakukan penanganan awal (<i>Troubleshooting</i>) atas masalah pada PC
13	TIK.OP02.018.01	Mengoperasikan utilitas dasar untuk <i>Backup, Restore, Data Recovery</i>

010401 DATA ENTRY COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP01.001.01	Mengetik pada papan ketik (<i>keyboard</i>) standar
2	TIK.OP01.002.01	Mengidentifikasi aspek kode etik dan HAKI dibidang TIK
3	TIK.OP01.003.01	Mendeskripsikan kewaspadaan terhadap keamanan informasi
4	TIK.OP01.004.01	Mengidentifikasi sistem dan prosedur pengelolaan infrastruktur komputer
5	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian komputer
6	TIK.OP02.006.01	Mengoperasikan penelusur <i>Web (Web Browser)</i>
7	TIK.OP02.007.01	Mengoperasikan piranti lunak klien <i>e-mail (e-mail client)</i>
8	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasi perkantoran

010301 DATA MANAGEMENT STAFF

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP01.001.01	Mengetik pada papan ketik (<i>keyboard</i>) standar
2	TIK.OP01.002.01	Mengidentifikasi aspek kode etik dan HAKI dibidang TIK
3	TIK.OP01.003.01	Mendeskripsikan kewaspadaan terhadap keamanan informasi
4	TIK.OP01.004.01	Mengidentifikasi sistem dan prosedur pengelolaan infrastruktur komputer
5	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian komputer
6	TIK.OP02.006.01	Mengoperasikan penelusur <i>Web (Web Browser)</i>
7	TIK.OP02.007.01	Mengoperasikan piranti lunak klien <i>e-mail (e-mail client)</i>
8	TIK.OP02.011.01	Mengoperasikan piranti lunak presentasi
9	TIK.OP02.012.01	Mengoperasikan piranti lunak pengolah kata – tingkat maju
10	TIK.OP02.013.01	Mengoperasikan piranti lunak lembar sebar – tingkat maju
11	TIK.OP02.014.01	Mempergunakan piranti lunak anti virus
12	TIK.OP02.015.01	Mempergunakan perangkat keras dan piranti lunak untuk memindai dokumen gambar

010201 DATA ENTRY OPERATOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP01.001.01	Mengetik pada papan ketik (<i>keyboard</i>) standar
2	TIK.OP01.002.01	Mengidentifikasi aspek kode etik dan HAKI dibidang TIK
3	TIK.OP01.003.01	Mendeskripsikan kewaspadaan terhadap keamanan informasi
4	TIK.OP01.004.01	Mengidentifikasi sistem dan prosedur pengelolaan infrastruktur komputer
5	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian komputer
6	TIK.OP02.002.01	Mengoperasikan printer
7	TIK.OP02.003.01	Mengoperasikan sistem operasi
8	TIK.OP02.006.01	Mengoperasikan penelusur <i>Web (Web Browser)</i>
9	TIK.OP02.007.01	Mengoperasikan piranti lunak klien <i>e-mail (e-mail client)</i>
10	TIK.OP02.011.01	Mengoperasikan piranti lunak presentasi
11	TIK.OP02.012.01	Mengoperasikan piranti lunak pengolah kata – tingkat maju
12	TIK.OP02.013.01	Mengoperasikan piranti lunak lembar sebar – tingkat maju

010101 DATA ENTRY CLERK

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP01.001.01	Mengetik pada papan ketik (<i>keyboard</i>) standar
2	TIK.OP01.002.01	Mengidentifikasi aspek kode etik dan HAKI dibidang TIK
3	TIK.OP01.003.01	Mendeskripsikan kewaspadaan terhadap keamanan informasi
4	TIK.OP01.004.01	Mengidentifikasi sistem dan prosedur pengelolaan infrastruktur komputer
5	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian komputer
6	TIK.OP02.001.01	Mengoperasikan komputer personal yang berdiri sendiri (PC stand alone)
7	TIK.OP02.002.01	Mengoperasikan Printer
8	TIK.OP02.003.01	Mengoperasikan sistem operasi
9	TIK.OP02.004.01	Mengoperasikan piranti lunak pengolah kata (<i>word processor</i>) – tingkat dasar
10	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (<i>spreadsheet</i>) – tingkat dasar
11	TIK.OP02.008.01	Mengidentifikasi komponen sistem komputer tingkat dasar(PC)

02 PROGRAMMING AND SOFTWARE DEVELOPMENT

020901 BUSINESS APPLICATIONS DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT701A	Lead research into identifying new marketplace opportunities
2	ICAICT702A	Direct ICT services
3	ICAICT707A	Direct research and business response to new ICT technology
4	JANCO001	Acquire and maintain a comprehensive knowledge of all enterprise business operations, applications, systems, problems and enhancement requests.
5	JANCO047	Ensure high level of customer service on a global scale and manage cost effective and highly reliable service. Establish and measure service level agreements to ensure service levels are met or exceed
6	JANCO075	Lead, manage and coordinate the day-to-day operational and tactical activities of a team of project managers, business analysts, database analysts, information center specialists and business systems
7	JANCO117	Provide vision, planning, leadership and problem solving for all aspects of business applications and systems.
8	JANCO152	Work with IT Management team in the definition, implementation and enforcement of all IT Best Practices and Methodologies.
9	TIK.DG02.010.01	Merekomendasikan argumen-argumen yang meyakinkan terhadap hasil karya desain kepada klien
10	TIK.SM02.005.01	Mengendalikan aset dan seluruh sumber daya pelayanan TI

020902 SYSTEMS AND PROGRAMMING DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT701A	Lead research into identifying new marketplace opportunities
2	ICAICT702A	Direct ICT services
3	ICAICT706A	Direct outsourced ICT services
4	JANCO088	Manages the daily activities of the members of the application programming group.
5	JANCO123	Provides management and direction for the application programming group including setting priorities, coordinating, and the reporting of group activities.
6	JANCO127	Provides senior technical leadership to IT and the enterprise including being conversant with the future direction of systems, how that direction will impact the enterprise, and how future and current
7	JANCO138	Serves as a source of documentation and standards to help direct the activities of IT as a whole.
8	TIK.SM02.005.01	Mengendalikan aset dan seluruh sumber daya pelayanan TI

020801 PEMROGRAM SENIOR (SENIOR PROGRAMMER)

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.019.01	Melakukan perencanaan sistem DWDM
2	J.620100.001.01	Menganalisis tools
3	J.620100.004.02	Menggunakan struktur data
4	J.620100.005.02	Mengimplementasikan <i>user interface</i>
5	J.620100.006.01	Merancang <i>user experience</i>
6	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar entitas
7	J.620100.013.01	Menerapkan pemecahan permasalahan menjadi subrutin
8	J.620100.014.01	Menerapkan metode dan praktik penggunaan kembali (<i>Reusable</i>) subrutin-subrutin
9	J.620100.015.01	Menyusun fungsi, file atau sumber daya pemrograman yang lain dalam organisasi yang rapi
10	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>
11	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
12	J.620100.019.02	Menggunakan <i>library</i> atau komponen <i>pre-existing</i>
13	J.620100.022.02	Mengimplementasikan algoritma pemrograman
14	J.620100.023.02	Membuat dokumen kode program
15	J.620100.025.02	Melakukan <i>debugging</i>
16	J.620100.026.01	Menerapkan <i>source code versioning</i>
17	J.620100.031.01	Melakukan <i>profiling program</i>
18	J.620100.032.01	Menerapkan <i>code review</i>
19	J.620100.034.02	Melaksanakan pengujian integrasi program
20	J.620100.035.02	Melaksanakan pengujian program sistem
21	J.620100.037.01	Melaksanakan <i>stress test</i>
22	J.620100.038.01	Melaksanakan pengujian oleh pengguna (UAT)
23	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
24	J.620100.040.01	Membuat paket instalasi perangkat lunak
25	J.620100.042.01	Melaksanakan konfigurasi perangkat lunak sesuai <i>environment</i> (<i>Development, Staging, Production</i>)
26	J.620100.043.01	Menganalisis dampak perubahan terhadap aplikasi
27	J.620100.044.01	Menerapkan <i>alert notification</i> jika aplikasi bermasalah
28	J.620100.045.01	Melakukan pemantauan <i>resource</i> yang digunakan aplikasi
29	J.620100.046.01	Mengimplementasikan fitur <i>logging</i> aplikasi
30	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku

020701 MANAJER PENGEMBANGAN SISTEM/APLIKASI (SYSTEM/APPLICATION DEVELOPMENT MANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.002.01	Menganalisis skalabilitas perangkat lunak
2	J.620100.008.01	Merancang arsitektur aplikasi
3	J.620100.024.02	Melakukan migrasi ke teknologi baru
4	J.620100.028.02	Menerapkan pemrograman <i>real time</i>
5	J.620100.029.02	Menerapkan pemrograman paralel
6	J.620100.030.02	Menerapkan pemrograman multimedia
7	J.620100.032.01	Menerapkan <i>code review</i>
8	J.620100.036.02	Melaksanakan pengujian kode program secara statis
9	J.620100.037.01	Melaksanakan <i>stress test</i>
10	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
11	J.620200.002.01	Menetapkan matriks, diagram, dan jenis kebutuhan (<i>requirements</i>) yang diperlukan pada arsitektur bisnis
12	J.620200.007.01	Menentukan metode pemodelan, sudut pandang dan perangkat bantu untuk merancang arsitektur aplikasi
13	J.620200.011.01	Menyusun <i>roadmap</i> dan komponen arsitektur aplikasi
14	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
15	J.62090.018	Mengelola risiko keamanan informasi
16	TIK.SM03.001.01	Menentukan arsitektur perangkat keras
17	TIK.SM03.002.01	Menentukan arsitektur perangkat lunak

020702 MANAJER SISTEM DAN PEMROGRAMAN (SYSTEM AND PROGRAMMER MANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.002.01	Menganalisis skalabilitas perangkat lunak
2	J.620100.008.01	Merancang arsitektur aplikasi
3	J.620100.024.02	Melakukan migrasi ke teknologi baru
4	J.620100.028.02	Menerapkan pemrograman <i>real time</i>
5	J.620100.029.02	Menerapkan pemrograman paralel
6	J.620100.030.02	Menerapkan pemrograman multimedia
7	J.620100.032.01	Menerapkan <i>code review</i>
8	J.620100.036.02	Melaksanakan pengujian kode program secara statis
9	J.620100.037.01	Melaksanakan <i>stress test</i>

No	Kode Unit	Nama Unit Kompetensi
10	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
11	J.620200.002.01	Menetapkan matriks, diagram, dan jenis kebutuhan (<i>Requirements</i>) yang diperlukan pada arsitektur bisnis
12	J.620200.007.01	Menentukan metode pemodelan, sudut pandang dan perangkat bantu untuk merancang arsitektur aplikasi
13	J.620200.011.01	Menyusun roadmap dan komponen arsitektur aplikasi
14	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
15	J.62090.018	Mengelola risiko keamanan Informasi
16	TIK.SM03.001.01	Menentukan arsitektur perangkat keras
17	TIK.SM03.002.01	Menentukan arsitektur perangkat lunak

020703 AHLI PEMROGRAM(EXPERTPROGRAMMER)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.006.01	Merancang <i>user experience</i>
2	J.620100.008.01	Merancang arsitektur aplikasi
3	J.620100.013.01	Menerapkan pemecahan permasalahan menjadi subrutin
4	J.620100.017.02	Mengimplementasikan pemrograman terstruktur
5	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
6	J.620100.022.02	Mengimplementasikan algoritma pemrograman
7	J.620100.023.02	Membuat dokumen kode program
8	J.620100.024.02	Melakukan migrasi ke teknologi baru
9	J.620100.025.02	Melakukan <i>debugging</i>
10	J.620100.031.01	Melakukan <i>profiling program</i>
11	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
12	J.620100.041.01	Melaksanakan <i>cutover</i> aplikasi
13	J.620100.042.01	Melaksanakan konfigurasi perangkat lunak sesuai <i>environment (development, staging, production)</i>
14	J.620100.044.01	Menerapkan <i>alert notification</i> jika aplikasi bermasalah
15	J.620100.047.01	Melakukan pembaharuan perangkat lunak

020704 KEPALA TIM PENGEMBANGAN SISTEM (SYSTEM DEVELOPMENT TEAM HEAD)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.001.01	Menganalisis <i>tools</i>
2	J.620100.002.01	Menganalisis skalabilitas perangkat lunak
3	J.620100.003.01	Melakukan identifikasi <i>library</i> , komponen atau <i>framework</i> yang diperlukan
4	J.620100.004.02	Menggunakan struktur data
5	J.620100.006.01	Merancang <i>user experience</i>
6	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar entitas
7	J.620100.008.01	Merancang arsitektur aplikasi
8	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>
9	J.620100.022.02	Mengimplementasikan algoritma pemrograman
10	J.620100.023.02	Membuat dokumen kode program
11	J.620100.027.01	Mengimplementasikan <i>network programming</i>
12	J.620100.028.02	Menerapkan pemrograman <i>real time</i>
13	J.620100.029.02	Menerapkan pemrograman paralel
14	J.620100.030.02	Menerapkan pemrograman multimedia
15	J.620100.031.01	Melakukan profiling program
16	J.620100.032.01	Menerapkan <i>code review</i>
17	J.620100.034.02	Melaksanakan pengujian integrasi program
18	J.620100.035.02	Melaksanakan pengujian program sistem
19	J.620100.036.02	Melaksanakan pengujian kode program secara statis
20	J.620100.037.01	Melaksanakan <i>stress test</i>
21	J.620100.038.01	Melaksanakan pengujian oleh pengguna (UAT)
22	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
23	J.620100.041.01	Melaksanakan <i>cutover</i> aplikasi
24	J.620100.043.01	Menganalisis dampak perubahan terhadap aplikasi
25	J.620100.044.01	Menerapkan <i>alert notification</i> jika aplikasi bermasalah
26	J.620100.045.01	Melakukan pemantauan <i>resource</i> yang digunakan aplikasi
27	J.620100.047.01	Melakukan pembaharuan perangkat lunak
28	M.702090.001.0	Mengelola proyek secara terintegrasi (<i>project integration management</i>)
29	M.702090.002.0	Mengelola ruang lingkup proyek (<i>project scope management</i>)
30	TIK.SM03.001.01	Menentukan arsitektur perangkat keras

020705 MANAJER PENGEMBANG APLIKASI (APPLICATION DEVELOPMENT MANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.002.01	Menganalisis skalabilitas perangkat lunak
2	J.620100.008.01	Merancang arsitektur aplikasi
3	J.620100.024.02	Melakukan migrasi ke teknologi baru
4	J.620100.028.02	Menerapkan pemrograman <i>real time</i>
5	J.620100.029.02	Menerapkan pemrograman paralel
6	J.620100.030.02	Menerapkan pemrograman multimedia
7	J.620100.032.01	Menerapkan <i>code review</i>
8	J.620100.036.02	Melaksanakan pengujian kode program secara statis
9	J.620100.037.01	Melaksanakan <i>stress test</i>
10	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
11	J.620200.002.01	Menetapkan matriks, diagram, dan jenis kebutuhan (requirements) yang diperlukan pada arsitektur bisnis
12	J.620200.007.01	Menentukan metode pemodelan, sudut pandang dan perangkat bantu untuk merancang arsitektur aplikasi
13	J.620200.011.01	Menyusun <i>roadmap</i> dan komponen arsitektur aplikasi
14	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
15	J.62090.018	Mengelola risiko keamanan informasi
16	TIK.SM03.001.01	Menentukan arsitektur perangkat keras
17	TIK.SM03.002.01	Menentukan arsitektur perangkat lunak

020706 MANAJER PROYEK IMPLEMENTASI (IMPLEMENTATION PROJECT MANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.001.01	Menganalisis <i>tools</i>
2	J.620100.003.01	Melakukan identifikasi <i>library</i> , komponen atau <i>framework</i> yang diperlukan
3	J.620100.004.02	Menggunakan struktur data
4	J.620100.006.01	Merancang <i>user experience</i>
5	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar Entitas
6	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>
7	J.620100.022.02	Mengimplementasikan algoritma pemrograman
8	J.620100.023.02	Membuat dokumen kode program
9	J.620100.027.01	Mengimplementasikan <i>network programming</i>
10	J.620100.028.02	Menerapkan pemrograman <i>real time</i>
11	J.620100.029.02	Menerapkan pemrograman paralel
12	J.620100.030.02	Menerapkan pemrograman multimedia
13	J.620100.031.01	Melakukan profiling program
14	J.620100.032.01	Menerapkan code review
15	J.620100.034.02	Melaksanakan pengujian integrasi program
16	J.620100.035.02	Melaksanakan pengujian program sistem
17	J.620100.036.02	Melaksanakan pengujian kode program secara statis
18	J.620100.037.01	Melaksanakan stress test
19	J.620100.038.01	Melaksanakan pengujian oleh pengguna (UAT)
20	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
21	J.620100.041.01	Melaksanakan cutover aplikasi
22	J.620100.043.01	Menganalisis dampak perubahan terhadap aplikasi
23	J.620100.044.01	Menerapkan alert notification jika aplikasi bermasalah
24	J.620100.045.01	Melakukan pemantauan resource yang digunakan aplikasi
25	J.620100.047.01	Melakukan pembaharuan perangkat lunak
26	J.62090.011	Menerapkan standar---standar keamanan informasi yang berlaku
27	J.62090.018	Mengelola risiko keamanan informasi
28	M.702090.001.0	Mengelola proyek secara terintegrasi (<i>project Integration management</i>)
29	M.702090.002.0	Mengelola ruang lingkup proyek (<i>project scope management</i>)
30	TIK.SM03.001.01	Menentukan arsitektur perangkat keras

020707 AHLI PEMROGRAM OBJEK (OBJECT PROGRAMMER EXPERT)

No	Kode Unit	Nama Unit Kompetensi
1	J.61200.001.01	Menunjukkan <i>platform operating system</i> dan bahasa pemrograman di dalam perangkat lunak
2	J.612000.007	Merancang <i>mobile interface</i>
3	J.620100.004.02	Menggunakan struktur data
4	J.620100.005.02	Mengimplementasikan <i>user interface</i>
5	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar entitas
6	J.620100.009.01	Menggunakan spesifikasi program
7	J.620100.010.01	Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia
8	J.620100.011.01	Melakukan instalasi <i>software tools</i> pemrograman
9	J.620100.012.01	Melakukan pengaturan <i>software tools</i> pemrograman
10	J.620100.014.01	Menerapkan metode dan praktik penggunaan kembali (<i>reusable</i>) subrutin-subrutin
11	J.620100.015.01	Menyusun fungsi, <i>file</i> atau sumber daya pemrograman yang lain dalam organisasi yang rapi
12	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>
13	J.620100.017.02	Mengimplementasikan pemrograman terstruktur
14	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
15	J.620100.019.02	Menggunakan <i>library</i> atau komponen <i>pre-existing</i>
16	J.620100.020.02	Menggunakan SQL
17	J.620100.021.02	Menerapkan akses basis data
18	J.620100.022.02	Mengimplementasikan algoritma pemrograman
19	J.620100.023.02	Membuat dokumen kode program
20	J.620100.025.02	Melakukan <i>debugging</i>
21	J.620100.026.01	Menerapkan <i>source code versioning</i>
22	J.620100.033.02	Melaksanakan pengujian unit program
23	J.620100.034.02	Melaksanakan pengujian integrasi program
24	J.620100.040.01	Membuat paket instalasi perangkat lunak
25	J.620100.046.01	Mengimplementasikan <i>future logging</i> aplikasi

020708 SOFTWARE DEVELOPMENT EXPERT

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.001.01	Menganalisis <i>tools</i> .
2	J.620100.002.01	Menganalisis skalabilitas perangkat lunak
3	J.620100.003.01	Melakukan Identifikasi <i>library</i> , komponen atau <i>framework</i> yang diperlukan
4	J.620100.004.02	Menggunakan struktur data
5	J.620100.005.02	Mengimplementasikan <i>user interface</i>
6	J.620100.006.01	Merancang <i>user experience</i>
7	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar entitas
8	J.620100.008.01	Merancang arsitektur aplikasi
9	J.620100.009.01	Menggunakan spesifikasi program
10	J.620100.010.01	Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia
11	J.620100.011.01	Melakukan instalasi <i>software tools</i> pemrograman
12	J.620100.012.01	Melakukan pengaturan <i>software tools</i> pemrograman
13	J.620100.013.01	Menerapkan pemecahan permasalahan menjadi subrutin
14	J.620100.014.01	Menerapkan metode dan praktik penggunaan kembali (<i>reusable</i>) subrutin-subrutin
15	J.620100.015.01	Menyusun fungsi, <i>file</i> atau sumber daya pemrograman yang lain dalam organisasi yang rapi
16	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>
17	J.620100.017.02	Mengimplementasikan pemrograman terstruktur
18	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
19	J.620100.019.02	Menggunakan <i>library</i> atau komponen <i>pre-existing</i>
20	J.620100.020.02	Menggunakan SQL
21	J.620100.021.02	Menerapkan akses basis data
22	J.620100.022.02	Mengimplementasikan algoritma pemrograman
23	J.620100.023.02	Membuat dokumen kode program
24	J.620100.024.02	Melakukan migrasi ke teknologi baru
25	J.620100.025.02	Melakukan <i>debugging</i>
26	J.620100.026.01	Menerapkan <i>source code versioning</i>
27	J.620100.027.01	Mengimplementasikan <i>network programming</i>
28	J.620100.028.02	Menerapkan pemrograman <i>real time</i>
29	J.620100.029.02	Menerapkan pemrograman paralel

30	J.620100.030.02	Menerapkan pemrograman multimedia
31	J.620100.031.01	Melakukan <i>profiling</i> program
32	J.620100.032.01	Menerapkan <i>code review</i>
33	J.620100.033.02	Melaksanakan pengujian unit program
34	J.620100.034.02	Melaksanakan pengujian integrasi program
35	J.620100.035.02	Melaksanakan pengujian program sistem
36	J.620100.036.02	Melaksanakan pengujian kode program secara statis
37	J.620100.037.01	Melaksanakan <i>stress test</i>
38	J.620100.038.01	Melaksanakan pengujian oleh pengguna (UAT)
39	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
40	J.620100.040.01	Membuat paket instalasi perangkat lunak
41	J.620100.041.01	Melaksanakan <i>cutover aplikasi</i>
42	J.620100.042.01	Melaksanakan konfigurasi perangkat lunak sesuai <i>environment (development, staging, production)</i>
43	J.620100.043.01	Menganalisis dampak perubahan terhadap aplikasi
44	J.620100.044.01	Menerapkan <i>alert notification</i> jika aplikasi bermasalah
45	J.620100.045.01	Melakukan pemantauan <i>resource</i> yang digunakan aplikasi
46	J.620100.046.01	Mengimplementasikan fitur <i>logging</i> aplikasi
47	J.620100.047.01	Melakukan pembaharuan perangkat lunak

020709 SITE SOFTWARE/DEVICESERVICESMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	BSBMGT608C	Manage innovation and continuous improvement
2	ICAICT602A	Develop contracts and manage contracted performance
3	ICAICT604A	Identify and implement business innovation
4	ICAICT606A	Develop communities of practice
5	ICAICT608A	Interact with clients on a business level
6	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
7	ICASAD604A	Manage and communicate IT solutions
8	ICASAD605A	Elicit IT requirements
9	ICASAD606A	Analyse stakeholder requirements
10	ICTTEN516	Produce technical solutions from business specifications

020710 SOFTWARE ENGINEERING MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	BSBINN601B	Manage organisational change
2	ICAICT601A	Develop IT strategic and action plans
3	ICAICT608A	Interact with clients on a business level
4	ICAICT610A	Manage copyright, ethics and privacy in an IT environment
5	ICAPMG609A	Plan and direct complex IT projects
6	ICAPRG602A	Manage the development of technical solutions from business specifications
7	ICASAD601A	Perform IT-focused enterprise analysis
8	ICASAD604A	Manage and communicate IT solutions
9	ICASAD605A	Elicit IT requirements
10	ICASAD606A	Analyse stakeholder requirements
11	ICASAD607A	Manage assessment and validation of IT solutions
12	ICASAS601A	Implement change-management processes
13	ICTSUS6233A	Integrate sustainability in ICT planning and design projects

020711 APPLICATION DEVELOPMENT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO046	Enforce departmental operating procedures, applicable security procedures and support/practice needs to insure that the quality of service provided meets customer requirements
2	JANCO061	Identify potential service level and process problems before they occur and implement solutions
3	JANCO101	Participate in the development and implementation of processes that improve efficiency and enhance productivity
4	JANCO136	Review workload and analyze staffing requirements, make recommendations regarding employment, promotions, salary adjustment, and termination. Perform employee counseling and evaluate work performance
5	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI

020712 APPLICATIONS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT603A	Manage the use of appropriate development methodologies
2	ICAICT604A	Identify and implement business innovation
3	ICAPRG602A	Manage the development of technical solutions from business specifications
4	ICASAD601A	Perform IT-focused enterprise analysis
5	ICASAD603A	Plan and monitor business analysis activities in an IT environment
6	ICASAD606A	Analyse stakeholder requirements
7	ICASAD607A	Manage assessment and validation of IT solutions
8	ICTTEN516	Produce technical solutions from business specifications

020713 APPLICATION TECHNOLOGYMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	ICAICT602A	Develop contracts and manage contracted performance
3	ICAICT604A	Identify and implement business innovation
4	ICAICT608A	Interact with clients on a business level
5	ICAPMG601A	Establish IT project governance
6	ICAPMG603A	Manage IT project planning
7	ICAPMG608A	Manage IT project systems implementation
8	ICAPRG601A	Develop advanced mobile multi-touch applications
9	ICASAD601A	Perform IT-focused enterprise analysis
10	ICASAD602A	Conduct knowledge audits
11	ICASAD603A	Plan and monitor business analysis activities in an IT environment
12	ICASAD604A	Manage and communicate IT solutions
13	ICASAD605A	Elicit IT requirements
14	ICASAD606A	Analyse stakeholder requirements
15	ICASAS601A	Implement change-management processes

020714 SYSTEMS SOFTWARE MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
3	ICANWK615A	Design and configure desktop virtualisation
4	ICAPRG601A	Develop advanced mobile multi-touch applications
5	ICASAD603A	Plan and monitor business analysis activities in an IT environment
6	JANCO007	Assists the director in the management and direction setting for the enterprise's application programming group including setting priorities, coordinating, and the reporting of group activities.
7	JANCO043	Drives and is responsible for the daily activities of the members of the enterprise application programming group
8	JANCO126	Provides senior technical leadership to IT and the enterprise including being conversant with the future direction of enterprise systems, how that direction will impact the enterprise, and how future
9	JANCO128	Provides weekly and monthly reports on project status as well as forecasts of utilization
10	JANCO138	Serves as a source of documentation and standards to help direct the activities of IT as a whole
11	JANCO155	Works closely with other groups to coordinate plans and activities including coordination to facilitate specific development projects that involve the enterprise systems, the coordination of software
12	TIK.DG01.007.01	Menyusun dokumentasi lengkap untuk menjaga hak atas kekayaan intelektual terhadap karya yang dihasilkan
13	TIK.DG02.005.01	Mengembangkan dan mengkomunikasikan konsep desain
14	TIK.DG02.011.01	Mengatur tim kerja

020715 SYSTEMS AND PROGRAMMING MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICASAD601A	Perform IT-focused enterprise analysis
2	ICASAD603A	Plan and monitor business analysis activities in an IT environment
3	ICASAD604A	Manage and communicate IT solutions
4	JANCO007	Assists the director in the management and direction setting for the enterprise's application programming group including setting priorities, coordinating, and the reporting of group activities
5	JANCO043	Drives and is responsible for the daily activities of the members of the enterprise application programming group
6	JANCO138	Serves as a source of documentation and standards to help direct the activities of IT as a whole
7	TIK.DG02.005.01	Mengembangkan dan mengkomunikasikan konsep desain
8	TIK.DG02.011.01	Mengatur tim kerja

020716 OFFICE AUTOMATION APPLICATIONS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	ICAICT604A	Identify and implement business innovation
3	ICAICT608A	Interact with clients on a business level
4	ICAICT610A	Manage copyright, ethics and privacy in an IT environment
5	ICTSUS6234A	Establish a business case for sustainability and competitive advantage in ICT projects

020717 APPLICATIONS PROGRAMMING MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	ICAICT603A	Manage the use of appropriate development methodologies
3	ICAICT604A	Identify and implement business innovation
4	ICAICT605A	Implement a knowledge management strategy
5	ICAICT608A	Interact with clients on a business level
6	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
7	ICTSUS6234A	Establish a business case for sustainability and competitive advantage in ICT projects
8	J.620100.015.01	Menyusun fungsi, file atau sumber daya pemrograman yang lain dalam organisasi yang rapi
9	J.620100.030.02	Menerapkan pemrograman multimedia
10	J.620100.031.01	Melakukan <i>profiling</i> program

020718 LEAD SOFTWARE ENGINEER

No	Kode Unit	Nama Unit Kompetensi
7	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
10	ICAPMG607A	Manage and control IT project risks
12	ICAPRG602A	Manage the development of technical solutions from business specifications
15	ICASAD602A	Conduct knowledge audits
16	ICASAD603A	Plan and monitor business analysis activities in an IT environment
17	ICASAD604A	Manage and communicate IT solutions
18	ICASAD606A	Analyse stakeholder requirements

020719 SENIOR SOFTWARE ENGINEER

No	Kode Unit	Nama Unit Kompetensi
1	J.62SAD00.002.1	Melakukan identifikasi sumber kebutuhan
2	J.62SAD00.003.1	Menentukan teknik elisitasi yang sesuai
3	J.62SAD00.004.1	Melakukan klasifikasi dan alokasi kebutuhan perangkat lunak
4	J.62SAD00.005.1	Melakukan negosiasi kebutuhan perangkat lunak
5	J.62SAD00.006.1	Menyusun spesifikasi kebutuhan dokumen sistem
6	J.62SAD00.008.1	Menyusun spesifikasi kebutuhan perangkat lunak
7	J.62SAD00.009.1	Meninjau ulang (<i>review</i>) kebutuhan perangkat lunak melalui spesifikasi dan prototipe
8	J.62SAD00.010.1	Melakukan validasi model dan uji penerimaan pengguna
9	J.62SAD00.011.1	Merancang struktur perangkat lunak
10	J.62SAD00.012.1	Merancang <i>user interface</i> (UI)
11	J.62SAD00.013.1	Merancang <i>user experience</i> (UX)

020601 PEMROGRAM KEPALA (LEAD PROGRAMMER)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.001.01	Menganalisis <i>tools</i>
2	J.620100.002.01	Menganalisis skalabilitas perangkat lunak
3	J.620100.003.01	Melakukan identifikasi library, komponen atau framework yang diperlukan
4	J.620100.006.01	Merancang <i>user experience</i>
5	J.620100.008.01	Merancang arsitektur aplikasi
6	J.620100.024.02	Melakukan migrasi ke teknologi baru
7	J.620100.027.01	Mengimplementasikan <i>Network Programming</i>
8	J.620100.028.02	Menerapkan Pemrograman <i>Real Time</i>
9	J.620100.029.02	Menerapkan Pemrograman Paralel
10	J.620100.030.02	Menerapkan Pemrograman Multimedia
11	J.620100.032.01	Menerapkan <i>Code Review</i>
12	J.620100.036.02	Melaksanakan Pengujian Kode Program Secara Statis
13	J.620100.038.01	Melaksanakan Pengujian Oleh Pengguna (UAT)
14	J.620100.039.02	Memberikan Petunjuk Teknis Kepada Pelanggan
15	J.620100.041.01	Melaksanakan <i>Cutover</i> Aplikasi
16	J.620100.043.01	Menganalisis Dampak Perubahan Terhadap Aplikasi
17	J.620100.044.01	Menerapkan <i>Alert Notification</i> Jika Aplikasi Bermasalah
18	J.620100.045.01	Melakukan Pemantauan <i>Resource</i> yang Digunakan Aplikasi

No	Kode Unit	Nama Unit Kompetensi
19	J.620100.047.01	Melakukan Pembaharuan Perangkat Lunak
20	J.62090.011	Menerapkan Standar-Standar Keamanan Informasi yang Berlaku
21	J.62090.018	Mengelola Risiko Keamanan Informasi

020602 ANALIS PROGRAM (*PROGRAMANALYST*)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.002.01	Menganalisis Skalabilitas Perangkat Lunak
2	J.620100.020.02	Menggunakan SQL
3	J.620100.021.02	Menerapkan Akses Basis Data
4	J.620100.022.02	Mengimplementasikan Algoritma Pemrograman
5	J.620100.023.02	Membuat Dokumen Kode Program
6	J.620100.025.02	Melakukan <i>Debugging</i>
7	J.620100.031.01	Melakukan <i>Profiling</i> Program
8	J.620100.032.01	Menerapkan <i>Code Review</i>
9	J.620100.033.02	Melaksanakan Pengujian Unit Program
10	J.620100.034.02	Melaksanakan Pengujian Integrasi Program

020603 PEMROGRAM OBJEK (*OBJECT PROGRAMMER*)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.003.01	Melakukan Identifikasi <i>Library</i> , Komponen atau <i>Framework</i> yang Diperlukan
2	J.620100.004.02	Menggunakan Struktur Data
3	J.620100.005.02	Mengimplementasikan <i>User Interface</i>
4	J.620100.007.01	Mengimplementasikan Rancangan Entitas dan Keterkaitan Antar Entitas
5	J.620100.013.01	Menerapkan Pemecahan Permasalahan Menjadi Subrutin
6	J.620100.016.01	Menulis Kode dengan Prinsip Sesuai <i>Guidelines</i> dan <i>Best Practices</i>
7	J.620100.023.02	Membuat Dokumen Kode Program
8	J.620100.024.02	Melakukan Migrasi Ke Teknologi Baru
9	J.620100.025.02	Melakukan <i>Debugging</i>
10	J.620100.029.02	Menerapkan Pemrograman Paralel
11	J.620100.036.02	Melaksanakan Pengujian Kode Program Secara Statis
12	J.620100.038.01	Melaksanakan Pengujian Oleh Pengguna (UAT)
13	J.620100.039.02	Memberikan Petunjuk Teknis Kepada Pelanggan
14	J.620100.043.01	Menganalisis Dampak Perubahan Terhadap Aplikasi
15	J.620100.044.01	Menerapkan <i>Alert Notification</i> Jika Aplikasi Bermasalah

020604 PEMROGRAM BASISDATA (DATABASEPROGRAMMER)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.001.01	Menganalisis <i>Tools</i> .
2	J.620100.003.01	Melakukan Identifikasi <i>Library</i> , Komponen atau <i>Framework</i> yang Diperlukan
3	J.620100.004.02	Menggunakan Struktur Data
4	J.620100.007.01	Mengimplementasikan Rancangan Entitas dan Keterkaitan Antar Entitas
5	J.620100.020.02	Menggunakan SQL
6	J.620100.021.02	Menerapkan Akses Basis Data
7	J.620100.022.02	Mengimplementasikan Algoritma Pemrograman
8	J.620100.025.02	Melakukan <i>Debugging</i>
8	J.620100.032.01	Menerapkan <i>Code Review</i>
10	J.620100.042.01	Melaksanakan Konfigurasi Perangkat Lunak Sesuai <i>Environment</i> (<i>Development, Staging, Production</i>)
11	J.620100.043.01	Menganalisis Dampak Perubahan Terhadap Aplikasi
12	J.620100.045.01	Melakukan Pemantauan <i>Resource</i> yang Digunakan Aplikasi
13	J.620100.047.01	Melakukan Pembaharuan Perangkat Lunak
14	J.62090.011	Menerapkan Standar-Standar Keamanan Informasi yang Berlaku

020605 PENGEMBANG WEB (WEBDEVELOPER)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.001.01	Menganalisis <i>Tools</i>
2	J.620100.002.01	Menganalisis Skalabilitas Perangkat Lunak
3	J.620100.003.01	Melakukan Identifikasi <i>Library</i> , Komponen atau <i>Framework</i> yang Diperlukan
4	J.620100.006.01	Merancang <i>User Experience</i>
5	J.620100.017.02	Mengimplementasikan Pemrograman Terstruktur
6	J.620100.018.02	Mengimplementasikan Pemrograman Berorientasi Objek
7	J.620100.020.02	Menggunakan SQL
8	J.620100.021.02	Menerapkan Akses Basis Data
9	J.620100.022.02	Mengimplementasikan Algoritma Pemrograman
10	J.620100.024.02	Melakukan Migrasi Ke Teknologi Baru
11	J.620100.025.02	Melakukan <i>Debugging</i>
12	J.620100.030.02	Menerapkan Pemrograman Multimedia
13	J.620100.032.01	Menerapkan <i>Code Review</i>

No	Kode Unit	Nama Unit Kompetensi
14	J.620100.036.02	Melaksanakan Pengujian Kode Program Secara Statis
15	J.620100.044.01	Menerapkan <i>Alert Notification</i> Jika Aplikasi Bermasalah
16	J.620100.045.01	Melakukan Pemantauan <i>Resource</i> yang Digunakan Aplikasi
17	J.620100.047.01	Melakukan Pembaharuan Perangkat Lunak

020606 SOFTWARE ENGINEER

No	Kode Unit	Nama Unit Kompetensi
1	J.62SAD00.002.1	Melakukan Identifikasi Sumber Kebutuhan
2	J.62SAD00.004.1	Melakukan Klasifikasi dan Alokasi Kebutuhan Perangkat Lunak
3	J.62SAD00.006.1	Menyusun Spesifikasi Kebutuhan Dokumen Sistem
4	J.62SAD00.008.1	Menyusun Spesifikasi Kebutuhan Perangkat Lunak
5	J.62SAD00.011.1	Merancang Struktur Perangkat Lunak
6	J.62SAD00.012.1	Merancang <i>User Interface</i> (UI)

020607 LEAD APPLICATIONPROGRAMMER

No	Kode Unit	Nama Unit Kompetensi
1	BSBSUS501A	<i>Develop Workplace Policy and Procedures for Sustainability</i>
2	BSBWOR502B	<i>Ensure Team Effectiveness</i>
3	ICAPRG515A	<i>Review Developed Software</i>
4	ICAPRG520A	<i>Validate An Application Design Against Specifications</i>
5	ICASAS513A	<i>Develop Detailed Test Plans</i>
6	ICASAS515A	<i>Manage the Testing Process</i>
7	TIK.PR07.001.01	Membuat Perencanaan Pengujian <i>detail</i> (<i>detailed test plan</i>)

020608 SENIOR APPLICATIONPROGRAMMER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT509A	<i>Gather Data to Identify Business Requirements</i>
2	ICAICT510A	<i>Determine Appropriate IT Strategies and Solutions</i>
3	ICAICT511A	<i>Match IT Needs with the Strategic Direction of the Enterprise</i>

020609 SENIOR PROGRAMMER

No	Kode Unit	Nama Unit Kompetensi
1	ICAPRG402A	<i>Apply Query Language</i>
2	ICAPRG403A	<i>Develop Data-driven Applications</i>
3	ICAPRG414A	<i>Apply Introductory Programming Skills in Another Language</i>

4 ICAPRG419A *Analyse Software Requirements*

020610 SENIOR SYSTEMSPROGRAMMER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT507A	<i>Select New Technology Models for Business</i>
2	ICAICT509A	<i>Gather Data to Identify Business Requirements</i>
3	ICAICT510A	<i>Determine Appropriate IT Strategies and Solutions</i>
4	ICAICT511A	<i>Match IT Needs with the Strategic Direction of the Enterprise</i>
5	ICAICT515A	<i>Verify Client Business Requirements</i>

020611 UNIX PROGRAMMERSENIOR

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.011.01	Melakukan Instalasi <i>Software Tools</i> Pemrograman
2	J.620100.012.01	Melakukan Pengaturan <i>Software Tools</i> Pemrograman
3	J.620100.016.01	Menulis Kode dengan Prinsip Sesuai <i>Guidelines</i> dan <i>Best Practices</i>
4	J.620100.025.02	Melakukan <i>Debugging</i>
5	J.620100.023.02	Membuat Dokumen Kode Program
6	J.620100.024.02	Melakukan Migrasi Ke Teknologi Baru
7	J.620100.040.01	Membuat Paket Instalasi Perangkat Lunak

020612 BUSINESS ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT401A	<i>Determine and Confirm Client Business Requirements</i>
2	ICAICT408A	<i>Create Technical Documentation</i>
3	ICAPRG404A	<i>Test Applications</i>
4	ICAPRG419A	<i>Analyse Software Requirements</i>
5	ICAPRG426A	<i>Prepare Software Development Review</i>

020613 BUSINESS SERVICESANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT408A	<i>Create Technical Documentation</i>
2	ICASAS411A	<i>Assist with Policy Development for Client Support Procedures</i>

020501 SUPERVISOR PEMROGRAM DATABASE (DATABASE PROGRAMMER SUPERVISOR)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.001.01	Menganalisis <i>Tools</i>
2	J.620100.003.01	Melakukan Identifikasi <i>Library</i> , Komponen atau <i>Framework</i> yang Diperlukan
3	J.620100.004.02	Menggunakan Struktur Data

No	Kode Unit	Nama Unit Kompetensi
4	J.620100.005.02	Mengimplementasikan <i>User Interface</i>
5	J.620100.006.01	Merancang <i>User Experience</i>
6	J.620100.007.01	Mengimplementasikan Rancangan Entitas dan Keterkaitan Antar Entitas
7	J.620100.013.01	Menerapkan Pemecahan Permasalahan Menjadi Subrutin
8	J.620100.014.01	Menerapkan Metode dan Praktik Penggunaan Kembali (<i>Reusable</i>) Subrutin-Subrutin
9	J.620100.015.01	Menyusun Fungsi, <i>File</i> atau Sumber Daya Pemrograman yang Lain dalam Organisasi yang Rapi
10	J.620100.016.01	Menulis Kode dengan Prinsip Sesuai <i>Guidelines</i> dan <i>Best Practices</i>
11	J.620100.018.02	Mengimplementasikan Pemrograman Berorientasi Objek
12	J.620100.019.02	Menggunakan <i>Library</i> atau Komponen <i>Pre- Existing</i>
13	J.620100.020.02	Menggunakan SQL
14	J.620100.021.02	Menerapkan Akses Basis Data
15	J.620100.022.02	Mengimplementasikan Algoritma Pemrograman
16	J.620100.023.02	Membuat Dokumen Kode Program
17	J.620100.025.02	Melakukan <i>Debugging</i>
18	J.620100.026.01	Menerapkan <i>Source Code Versioning</i>
19	J.620100.031.01	Melakukan <i>Profiling</i> Program
20	J.620100.032.01	Menerapkan <i>Code Review</i>
21	J.620100.034.02	Melaksanakan Pengujian Integrasi Program
22	J.620100.035.02	Melaksanakan Pengujian Program Sistem
23	J.620100.037.01	Melaksanakan <i>Stress Test</i>
24	J.620100.039.02	Memberikan Petunjuk Teknis Kepada Pelanggan
25	J.620100.040.01	Membuat Paket Instalasi Perangkat Lunak
26	J.620100.042.01	Melaksanakan Konfigurasi Perangkat Lunak Sesuai <i>Environment</i> (<i>Development, Staging, Production</i>)
27	J.620100.043.01	Menganalisis Dampak Perubahan Terhadap Aplikasi
28	J.620100.044.01	Menerapkan <i>Alert Notification</i> Jika Aplikasi Bermasalah
29	J.620100.045.01	Melakukan Pemantauan <i>Resource</i> yang Digunakan Aplikasi
30	J.620100.046.01	Mengimplementasikan Fitur <i>Logging</i> Aplikasi

020502 PEMROGRAM MUDA

No	Kode Unit	Nama Unit Kompetensi
1	J.61200.001.01	Menunjukkan <i>Platform Operating System</i> dan Bahasa Pemrograman di dalam Perangkat Lunak
2	J.612000.007	Merancang <i>Mobile Interface</i>

3	J.620100.005.02	Mengimplementasikan <i>User Interface</i>
4	J.620100.007.01	Mengimplementasikan Rancangan Entitas dan Keterkaitan Antar Entitas
5	J.620100.011.01	Melakukan Instalasi <i>Software Tools</i> Pemrograman
6	J.620100.012.01	Melakukan Pengaturan <i>Software Tools</i> Pemrograman
7	J.620100.014.01	Menerapkan Metode dan Praktik Penggunaan Kembali (<i>Reusable</i>) Subrutin-Subrutin
8	J.620100.015.01	Menyusun Fungsi, File atau Sumber Daya Pemrograman yang Lain dalam Organisasi yang Rapi
9	J.620100.018.02	Mengimplementasikan Pemrograman Berorientasi Objek
10	J.620100.019.02	Menggunakan <i>Library</i> atau Komponen <i>Pre- Existing</i>
11	J.620100.020.02	Menggunakan SQL
12	J.620100.021.02	Menerapkan Akses Basis Data
13	J.620100.022.02	Mengimplementasikan Algoritma Pemrograman
14	J.620100.026.01	Menerapkan <i>Source Code Versioning</i>
15	J.620100.034.02	Melaksanakan Pengujian Integrasi Program
16	J.620100.039.02	Memberikan Petunjuk Teknis Kepada Pelanggan
17	J.620100.040.01	Membuat Paket Instalasi Perangkat Lunak
18	J.620100.046.01	Mengimplementasikan Fitur <i>Logging</i> Aplikasi
19	J.62090.011	Menerapkan Standar-Standar Keamanan Informasi yang Berlaku
20	TIK.MM02.029.0	Merancang dan Membuat <i>Interface</i> Multimedia

020503 PEMROGRAM (*PROGRAMMER*)

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.002	Merancang <i>mobile network programming</i>
2	J.612000.007	Merancang <i>mobile interface</i>
3	J.620100.001.01	Menganalisis <i>tools</i>
4	J.620100.003.01	Melakukan identifikasi <i>library</i> , komponen atau <i>framework</i> yang diperlukan
5	J.620100.004.02	Menggunakan struktur data
6	J.620100.005.02	Mengimplementasikan <i>user interface</i>
7	J.620100.006.01	Merancang <i>user experience</i>
8	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar entitas
9	J.620100.013.01	Menerapkan pemecahan permasalahan menjadi subrutin
10	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>

11	J.620100.023.02	Membuat dokumen kode program
12	J.620100.025.02	Melakukan <i>debugging</i>
13	J.620100.031.01	Melakukan <i>profiling program</i>
14	J.620100.032.01	Menerapkan <i>code review</i>
15	J.620100.034.02	Melaksanakan pengujian integrasi program
16	J.620100.035.02	Melaksanakan pengujian program sistem
17	J.620100.037.01	Melaksanakan <i>stress test</i>
18	J.620100.038.01	Melaksanakan pengujian oleh pengguna (UAT)
19	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
20	J.620100.040.01	Membuat paket instalasi perangkat lunak
21	J.620100.042.01	Melaksanakan konfigurasi perangkat lunak sesuai environment (<i>development, staging, production</i>)
22	J.620100.043.01	Menganalisis dampak perubahan terhadap aplikasi
23	J.620100.044.01	Menerapkan <i>alert notification</i> jika aplikasi bermasalah
24	J.620100.045.01	Melakukan pemantauan resource yang digunakan aplikasi
25	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
26	J.62090.018	Mengelola risiko keamanan informasi

020504 PEMROGRAM OBJEK (*OBJECT PROGRAMMER*)

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.002	Merancang <i>mobile network programming</i>
2	J.612000.007	Merancang <i>mobile interface</i>
3	J.620100.001.01	Menganalisis <i>tools</i>
4	J.620100.002.01	Menganalisis skalabilitas perangkat lunak
5	J.620100.003.01	Melakukan identifikasi library, komponen atau framework yang diperlukan
6	J.620100.004.02	Menggunakan struktur data
7	J.620100.005.02	Mengimplementasikan <i>user interface</i>
8	J.620100.006.01	Merancang <i>user experience</i>
9	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar entitas
10	J.620100.008.01	Merancang arsitektur aplikasi
11	J.620100.013.01	Menerapkan pemecahan permasalahan menjadi subrutin
12	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>
13	J.620100.023.02	Membuat dokumen kode program
14	J.620100.024.02	Melakukan migrasi ke teknologi baru

No	Kode Unit	Nama Unit Kompetensi
15	J.620100.025.02	Melakukan <i>debugging</i>
16	J.620100.027.01	Mengimplementasikan <i>network programming</i>
17	J.620100.028.02	Menerapkan pemrograman <i>real time</i>
18	J.620100.029.02	Menerapkan pemrograman paralel
19	J.620100.030.02	Menerapkan pemrograman multimedia
20	J.620100.031.01	Melakukan <i>profiling</i> program
21	J.620100.032.01	Menerapkan <i>code review</i>
22	J.620100.034.02	Melaksanakan pengujian integrasi program
23	J.620100.035.02	Melaksanakan pengujian program sistem
24	J.620100.036.02	Melaksanakan pengujian kode program secara statis
25	J.620100.037.01	Melaksanakan <i>stress test</i>
26	J.620100.038.01	Melaksanakan pengujian oleh pengguna (UAT)
27	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
28	J.620100.040.01	Membuat paket instalasi perangkat lunak
29	J.620100.041.01	Melaksanakan <i>cutover</i> aplikasi
30	J.620100.042.01	Melaksanakan konfigurasi perangkat lunak sesuai <i>environment</i> (<i>development, staging, production</i>)
31	J.620100.043.01	Menganalisis dampak perubahan terhadap aplikasi
32	J.620100.044.01	Menerapkan <i>alert notification</i> jika aplikasi bermasalah
33	J.620100.045.01	Melakukan pemantauan <i>resource</i> yang digunakan aplikasi
34	J.620100.047.01	Melakukan pembaharuan perangkat lunak
35	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
36	J.62090.018	Mengelola risiko keamanan informasi
37	M.702090.001.0	Mengelola proyek secara terintegrasi (<i>project integration management</i>)
38	M.702090.002.0	Mengelola ruang lingkup proyek (<i>project scope management</i>)
39	M.702090.005.0	Mengelola kualitas proyek (<i>project quality management</i>)
40	TIK.SM03.001.01	Menentukan arsitektur perangkat keras
41	TIK.SM03.002.01	Menentukan arsitektur perangkat lunak

020505 JUNIOR WEBPROGRAMMER

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.004.02	Menggunakan struktur data
2	J.620100.005.02	Mengimplementasikan <i>user interface</i>
3	J.620100.011.01	Melakukan instalasi <i>software tools</i> pemrograman
4	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>

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| 5 | J.620100.017.02 | Mengimplementasikan pemrograman terstruktur |
| 6 | J.620100.019.02 | Menggunakan <i>library</i> atau komponen <i>pre-existing</i> |
| 7 | J.620100.023.02 | Membuat dokumen kode program |
| 8 | J.620100.025.02 | Melakukan <i>debugging</i> |

020506 SYSTEMS PROGRAMMER

No	Kode Unit	Nama Unit Kompetensi
1	ICAPRG401A	Maintain open-source code programs
2	ICTICT302	Install and optimise operating system software
3	ICTICT304	Implement system software changes
4	ICTSAS419	Support system software
5	J.62090.030	Melakukan instalasi piranti lunak
6	TIK.SM02.006.01	Mengelola instalasi dan pemeliharaan sistem perangkat lunak

020401 PEMROGRAM OBJEK PRATAMA (*JUNIOR OBJECT PROGRAMMER*)

No	Kode Unit	Nama Unit Kompetensi
1	J.61200.001.01	Menunjukkan <i>Platform Operating System</i> dan Bahasa Pemrograman di dalam Perangkat Lunak
2	J.612000.007	Merancang <i>mobile interface</i>
3	J.620100.005.02	Mengimplementasikan <i>user interface</i>
4	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar entitas
5	J.620100.011.01	Melakukan instalasi <i>software tools</i> pemrograman
6	J.620100.012.01	Melakukan pengaturan <i>software tools</i> pemrograman
7	J.620100.014.01	Menerapkan metode dan praktik penggunaan kembali (<i>reusable</i>) subrutin-subrutin
8	J.620100.015.01	Menyusun fungsi, file atau sumber daya pemrograman yang lain dalam organisasi yang rapi
9	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
10	J.620100.019.02	Menggunakan <i>library</i> atau komponen <i>pre-existing</i>
11	J.620100.020.02	Menggunakan SQL
12	J.620100.021.02	Menerapkan akses basis data
13	J.620100.022.02	Mengimplementasikan algoritma pemrograman

- 14 J.620100.026.01 Menerapkan *source code versioning*
- 15 J.620100.034.02 Melaksanakan pengujian integrasi program
- 16 J.620100.039.02 Memberikan petunjuk teknis kepada pelanggan
- 17 J.620100.040.01 Membuat paket instalasi perangkat lunak
- 18 J.620100.046.01 Mengimplementasikan fitur *logging* aplikasi
- 19 J.62090.011 Menerapkan standar-standar keamanan informasi yang berlaku
- 20 TIK.MM02.029.0 Merancang dan membuat *interface* multimedia

020402 PEMROGRAM PRATAMA (PRIMARY PROGRAMMER)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.004.02	Menggunakan struktur data
2	J.620100.005.02	Mengimplementasikan user interface
3	J.620100.009.01	Menggunakan spesifikasi program
4	J.620100.010.01	Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia
5	J.620100.011.01	Melakukan instalasi <i>software tools</i> pemrograman
6	J.620100.012.01	Melakukan pengaturan <i>software tools</i> pemrograman
7	J.620100.014.01	Menerapkan metode dan praktik penggunaan kembali (<i>reusable</i>) subrutin-subrutin
8	J.620100.015.01	Menyusun fungsi, file atau sumber daya pemrograman yang lain dalam organisasi yang rapi
9	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>
10	J.620100.017.02	Mengimplementasikan pemrograman terstruktur
11	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
12	J.620100.019.02	Menggunakan <i>library</i> atau komponen <i>pre-existing</i>
13	J.620100.020.02	Menggunakan SQL
14	J.620100.021.02	Menerapkan akses basis data
15	J.620100.022.02	Mengimplementasikan algoritma pemrograman
16	J.620100.023.02	Membuat dokumen kode program
17	J.620100.025.02	Melakukan <i>debugging</i>
18	J.620100.026.01	Menerapkan <i>source code versioning</i>
19	J.620100.033.02	Melaksanakan pengujian unit program
20	J.620100.034.02	Melaksanakan pengujian integrasi program
21	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
22	J.620100.040.01	Membuat paket instalasi perangkat lunak
23	J.620100.046.01	Mengimplementasikan fitur <i>logging</i> aplikasi

- 24 J.62090.011 Menerapkan standar-standar keamanan informasi yang berlaku
- 25 TIK.MM02.029.0 Merancang dan membuat *interface* multimedia

020403 PENGEMBANG WEB PRATAMA(JUNIOR WEB DEVELOPER)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.005.02	Mengimplementasikan <i>user interface</i>
2	J.620100.010.01	Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia
3	J.620100.015.01	Menyusun fungsi, file atau sumber daya pemrograman yang lain dalam organisasi yang rapi
4	J.620100.016.01	Menulis Kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>
5	J.620100.017.02	Mengimplementasikan pemrograman terstruktur
6	J.620100.019.02	Menggunakan <i>library</i> atau komponen <i>pre-existing</i>

020404 PEMROGRAM MOBIL PRATAMA (JUNIOR MOBILE PROGRAMMER)

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.001	Menunjukkan platform <i>operating system</i> dan bahasa pemrograman di dalam perangkat lunak
2	J.612000.003	Merancang <i>Database</i> dan <i>Data Persistence</i> pada <i>Mobile Data</i>
3	J.612000.006	Menyusun <i>mobile location based service</i> , GPS dan <i>mobile navigation</i>
4	J.612000.007	Merancang <i>mobile interface</i>
5	J.612000.008	Menjelaskan dasar-dasar <i>mobile security</i>
6	J.612000.022	Menjelaskan <i>mobile sensor</i> dan spesifikasi teknisnya untuk <i>mobile computing</i>
7	J.612000.025	Menentukan <i>mobile seluler network</i>

020405 PEMROGRAM JUNIOR (JUNIOR PROGRAMMER)

No	Kode Unit	Nama Unit Kompetensi
1	J.61200.001.01	Menunjukan <i>platform operating system</i> dan bahasa pemrograman di dalam perangkat lunak
2	J.612000.007	Merancang <i>mobile interface</i>
3	J.620100.001.01	Menganalisis <i>tools</i>
4	J.620100.003.01	Melakukan identifikasi <i>library</i> , komponen atau <i>framework</i> yang diperlukan
5	J.620100.004.02	Menggunakan struktur data
6	J.620100.005.02	Mengimplementasikan <i>user interface</i>
7	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar entitas
8	J.620100.010.01	Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia

No	Kode Unit	Nama Unit Kompetensi
9	J.620100.011.01	Melakukan instalasi <i>software tools</i> pemrograman
10	J.620100.012.01	Melakukan pengaturan <i>software tools</i> pemrograman
11	J.620100.014.01	Menerapkan metode dan praktik penggunaan kembali (<i>reusable</i>) subrutin-subrutin
12	J.620100.015.01	Menyusun fungsi, file atau sumber daya pemrograman yang lain dalam organisasi yang rapi
13	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>
14	J.620100.017.02	Mengimplementasikan pemrograman terstruktur
15	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
16	J.620100.019.02	Menggunakan <i>library</i> atau komponen <i>pre-existing</i>
17	J.620100.020.02	Menggunakan SQL
18	J.620100.021.02	Menerapkan akses basis data
19	J.620100.022.02	Mengimplementasikan algoritma pemrograman
20	J.620100.025.02	Melakukan <i>debugging</i>
21	J.620100.026.01	Menerapkan <i>source code versioning</i>
22	J.620100.033.02	Melaksanakan pengujian unit program
23	J.620100.034.02	Melaksanakan pengujian integrasi program
24	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
25	J.620100.040.01	Membuat paket instalasi perangkat lunak
26	J.620100.046.01	Mengimplementasikan fitur <i>logging</i> aplikasi
27	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
28	TIK.MM02.029.0	Merancang dan membuat <i>interface multimedia</i>

020406 SOFTWARE QUALITY CONTROL TESTER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO006	Assists in the facilitation of team and customer meetings
2	JANCO011	Conforms to the product release process such as test development, product testing, defect training, code archiving, and version and document control
3	JANCO050	Follows software quality control processes and procedures, and works with the software developers to ensure adherence to these standards
4	JANCO102	Participates in the evaluation of software technologies for the enterprise
5	JANCO130	Recognizes and documents issues and develop options for issue resolution
6	JANCO131	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to

	bedeveloped, especially regarding future business expansion
7 JANCO156	Works closely with the programmers, analysts, project leaders, and programming, production, and operations managers to develop and enforce software development standards

020407 SOFTWARE TECHNICIAN

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS401A	Identify physical database requirements
2	ICADBS407A	Monitor physical database implementation
3	ICAICT203A	Operate application software packages
4	ICAICT204A	Operate a digital media technology package
5	ICAICT210A	Operate database applications
6	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi
7	TIK.CS02.028.01	Mengkonfigurasi <i>software</i> aplikasi
8	TIK.CS02.029.01	Menganalisa kebutuhan perawatan
9	TIK.CS02.032.01	Melakukan perawatan CPU
10	TIK.CS02.033.01	Melakukan perawatan <i>Harddisk</i>
11	TIK.CS02.034.01	Melakukan perawatan peralatan jaringan
12	TIK.CS02.035.01	Melakukan perawatan <i>peripheral</i>
13	TIK.CS02.036.01	Melakukan <i>upgrade hardware</i>
14	TIK.CS02.037.01	Melakukan <i>upgrade software</i>
15	TIK.CS02.043.01	Melakukan instalasi <i>software</i> anti Virus
16	TIK.CS02.044.01	Melakukan tindakan ketika virus ditemukan

020301 ASISTEN PEMROGRAM (PROGRAMMER ASSISTANT)

No	Kode Unit	Nama Unit Kompetensi
1	J.61200.001.01	Menunjukkan <i>platform operating system</i> dan bahasa pemrograman di dalam perangkat lunak
2	J.620100.005.02	Mengimplementasikan <i>user interface</i>
3	J.620100.011.01	Melakukan instalasi <i>software tools</i> pemrograman
4	J.620100.012.01	Melakukan pengaturan <i>software tools</i> pemrograman
5	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
6	J.620100.023.02	Membuat dokumen kode program
7	J.620100.026.01	Menerapkan <i>source code versioning</i>
8	J.620100.033.02	Melaksanakan pengujian unit program
9	J.620900.025.02	Melakukan instalasi sistem operasi
10	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi

- 11 TIK.MM01.005.0 Mengidentifikasi komponen multimedia
- 12 TIK.MM01.007.0 Memilih dan memakai *software* dan *hardware* untuk multimedia

020302 ASSISTANT DOCUMENTER

No	Kode Unit	Nama Unit Kompetensi
1	J.61200.001.01	Menunjukkan <i>platform operating system</i> dan bahasa pemrograman di dalam perangkat lunak
2	J.620100.005.02	Mengimplementasikan <i>user interface</i>
3	J.620100.011.01	Melakukan instalasi <i>software tools</i> pemrograman
4	J.620100.012.01	Melakukan pengaturan <i>software tools</i> pemrograman
5	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
6	J.620100.023.02	Membuat dokumen kode program
7	J.620100.026.01	Menerapkan <i>source code versioning</i>
8	J.620100.033.02	Melaksanakan pengujian unit program
9	J.620900.025.02	Melakukan instalasi sistem operasi
10	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi
11	TIK.MM01.005.0	Mengidentifikasi komponen multimedia
12	TIK.MM01.007.0	Memilih dan memakai <i>software</i> dan <i>hardware</i> untuk multimedia

020303 ASISTEN PEMROGRAM ANTARMUKA (INTERFACE PROGRAMMER ASSISTANT)

No	Kode Unit	Nama Unit Kompetensi
1	J.61200.001.01	Menunjukkan <i>platform operating system</i> dan bahasa pemrograman di dalam perangkat lunak
2	J.620100.005.02	Mengimplementasikan <i>user interface</i>
3	J.620100.011.01	Melakukan instalasi <i>software tools</i> pemrograman
4	J.620100.012.01	Melakukan pengaturan <i>software tools</i> pemrograman
5	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
6	J.620100.023.02	Membuat dokumen kode program
7	J.620100.026.01	Menerapkan <i>source code versioning</i>
8	J.620100.033.02	Melaksanakan pengujian unit program
9	J.620900.025.02	Melakukan instalasi sistem operasi
10	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi
11	TIK.MM01.005.0	Mengidentifikasi komponen multimedia
12	TIK.MM01.007.0	Memilih dan memakai <i>software</i> dan <i>hardware</i> untuk multimedia

020304 PENERJEMAH KODE(CODER)

No	Kode Unit	Nama Unit Kompetensi
1	J.61200.001.01	Menunjukkan <i>platform operating system</i> dan bahasa pemrograman di dalam perangkat lunak
2	J.620100.005.02	Mengimplementasikan <i>user interface</i>
3	J.620100.011.01	Melakukan instalasi <i>software tools</i> pemrograman
4	J.620100.012.01	Melakukan pengaturan <i>software tools</i> pemrograman
5	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
6	J.620100.023.02	Membuat dokumen kode program
7	J.620100.026.01	Menerapkan <i>source code versioning</i>
8	J.620100.033.02	Melaksanakan pengujian unit program
9	J.620900.025.02	Melakukan instalasi sistem operasi
10	J.620900.026.02	Melakukan instalasi software aplikasi
11	TIK.MM01.005.0	Mengidentifikasi komponen multimedia
12	TIK.MM01.007.0	Memilih dan memakai <i>software</i> dan <i>hardware</i> untuk multimedia

020305 PROGRAM DOCUMENTER

No	Kode Unit	Nama Unit Kompetensi
1	J.61200.001.01	Menunjukkan <i>platform operating system</i> dan bahasa pemrograman di dalam perangkat lunak
2	J.620100.004.02	Menggunakan struktur data
3	J.620100.009.01	Menggunakan spesifikasi program
4	J.620100.010.01	Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia
5	J.620100.016.01	Menulis kode dengan prinsip sesuai guidelines dan best practices
6	J.620100.017.02	Mengimplementasikan pemrograman terstruktur
7	J.620100.023.02	Membuat dokumen kode program
8	J.620100.025.02	Melakukan <i>debugging</i>
9	J.620100.026.01	Menerapkan <i>source code versioning</i>
10	J.620100.033.02	Melaksanakan pengujian unit program
11	TIK.MM01.005.0	Mengidentifikasi komponen multimedia
12	TIK.MM01.007.0	Memilih dan memakai <i>software</i> dan <i>hardware</i> untuk multimedia

020201 ASSISTANT PROGRAMMER TRAINEE

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.004.02	Menggunakan struktur data
2	J.620100.005.02	Mengimplementasikan <i>user interface</i>

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| 3 | J.620100.009.01 | Menggunakan spesifikasi program |
| 4 | J.620100.010.01 | Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia |
| 5 | J.620100.016.01 | Menulis kode dengan prinsip sesuai guidelines dan best practices |
| 6 | J.620100.017.02 | Mengimplementasikan pemrograman terstruktur |
| 7 | J.620100.025.02 | Melakukan <i>debugging</i> |

020202 CODER TRAINEE

- | No | Kode unit | Nama unit kompetensi |
|----|-----------------|---|
| 1 | J.620100.004.02 | Menggunakan struktur data |
| 2 | J.620100.009.01 | Menggunakan spesifikasi program |
| 3 | J.620100.010.02 | Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia |
| 4 | J.620100.016.01 | Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i> |
| 5 | J.620100.017.02 | Mengimplementasikan pemrograman terstruktur |
| 6 | J.620100.023.02 | Membuat dokumen kode program |
| 7 | J.620100.025.02 | Melakukan <i>debugging</i> |
| 8 | J.620100.033.02 | Melaksanakan pengujian unit program |

020203 ASISTEN PEMROGRAM JUNIOR (*JUNIOR ASSISTANT PROGRAMMER*)

- | No | Kode Unit | Nama Unit Kompetensi |
|----|-----------------|---|
| 1 | J.620100.004.02 | Menggunakan struktur data |
| 2 | J.620100.009.01 | Menggunakan spesifikasi program |
| 3 | J.620100.010.01 | Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia |
| 4 | J.620100.011.01 | Melakukan instalasi <i>software tools</i> pemrograman |
| 5 | J.620100.012.01 | Melakukan pengaturan <i>software tools</i> pemrograman |
| 6 | J.620100.016.01 | Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i> |
| 7 | J.620100.017.02 | Mengimplementasikan pemrograman terstruktur |
| 8 | J.620100.025.02 | Melakukan <i>debugging</i> |

020204 PEMROGRAM JUNIOR (*JUNIOR CODER*)

- | No | Kode Unit | Nama Unit Kompetensi |
|----|-----------------|---|
| 1 | J.620100.004.02 | Menggunakan struktur data |
| 2 | J.620100.009.01 | Menggunakan spesifikasi program |
| 3 | J.620100.010.01 | Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia |

- 4 J.620100.016.01 Menulis kode dengan prinsip sesuai *guidelines* dan *best practices*
- 5 J.620100.017.02 Mengimplementasikan pemrograman terstruktur
- 6 J.620100.023.02 Membuat dokumen kode program
- 7 J.620100.025.02 Melakukan *debugging*
- 8 J.620100.033.02 Melaksanakan pengujian unit program

020205 PEMROGRAM PEMULA (*NOVICE PROGRAMMER*)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.004.02	Menggunakan struktur data
2	J.620100.009.01	Menggunakan spesifikasi program
3	J.620100.010.01	Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia
4	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>
5	J.620100.017.02	Mengimplementasikan pemrograman terstruktur
6	J.620100.025.02	Melakukan <i>debugging</i>
7	J.620900.025.02	Melakukan instalasi sistem operasi
8	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi

020101 SOFTWARE DEVELOPMENT CLERK

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.011.01	Melakukan instalasi <i>software tools</i> pemrograman
2	J.620100.012.01	Melakukan pengaturan <i>software tools</i> pemrograman
3	J.620900.025.02	Melakukan instalasi sistem operasi
4	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi

03 HARDWARE AND DIGITAL PERIPHERALS

030901 TECHNOLOGY DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICTICT801	Lead research into identifying new marketplace opportunities
2	ICTICT802	Direct ICT services
3	ICTICT807	Direct research and business response to new ICT technology
4	ICTICT813	Manage ICT services

030801 DIGITAL COMPUTER TECHNOLOGY SCIENTIST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT707A	Direct research and business response to new ICT technology
2	ICAICT708A	Direct the development of a knowledge management strategy for a business
3	ICAICT712A	Develop a business intelligence framework

030701 DIGITAL COMPUTER TECHNOLOGY EXPERT

No	Kode Unit	Nama Unit Kompetensi
1	ICTICT610	Manage copyright, ethics and privacy in an ICT environment
2	ICTNWK615	Design and configure desktop virtualisation
3	ICTSAD603	Plan and monitor business analysis activities in an ICT environment
4	ICTSAD604	Manage and communicate ICT solutions
5	ICTSAD605	Elicit ICT requirements

030702 COMPUTER OPERATION MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAPMG602A	Manage IT project initiation
2	ICAPMG603A	Manage IT project planning
3	ICAPMG604A	Manage IT project delivery
4	ICAPMG605A	Manage IT project closure
5	ICAPMG606A	Manage IT project quality
6	ICAPMG607A	Manage and control IT project risks
7	ICASAD604A	Manage and communicate IT solutions

030703 MICROCOMPUTER TECHNOLOGY MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
2	ICASAD604A	Manage and communicate IT solutions
3	ICTTEN5204A	Produce technical solutions from business specifications
4	TIK.JK05.003.01	Menentukan dan menyelesaikan masalah komputasi pada klien
5	TIK.SM01.010.01	Menjamin integritas informasi
6	TIK.SM02.001.01	Mengelola kemampuan dan fungsionalitas dari seluruh komponen TI
7	TIK.SM02.002.01	Meningkatkan aspek ketersediaan dalam layanan TI

030704 CONTROLLER MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	TIK.SM03.008.01	Mengelola aspek keuangan dalam sistem pelayanan teknologi informasi

030705 COMPUTER OPERATIONS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAPMG602A	Manage IT project initiation
2	ICAPMG603A	Manage IT project planning
3	ICAPMG604A	Manage IT project delivery
4	ICAPMG605A	Manage IT project closure
5	ICAPMG606A	Manage IT project quality
6	ICAPMG607A	Manage and control IT project risks
7	ICASAD604A	Manage and communicate IT solutions

030707 METRICS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
2	ICASAD601A	Perform IT-focused enterprise analysis
3	TIK.JK01.007.01	Memberikan petunjuk teknis kepada klien
4	TIK.JK05.003.01	Menentukan dan menyelesaikan masalah komputasi pada klien

030601 DIGITAL COMPUTER TECHNOLOGY ADVISOR

No	Kode Unit	Nama Unit Kompetensi
1	ICTPMG501	Manage ICT projects
2	ICTPRG512	Prepare for the build phase of an ICT system
3	ICTPRG513	Coordinate the build phase of an ICT system

030602 NETWORK CONTROL ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICTNWK504	Design and implement an integrated server solution
2	ICTNWK505	Design, build and test a network server
3	ICTNWK506	Configure, verify and troubleshoot WAN links and IP services in a medium enterprise network
4	ICTNWK507	Install, operate and troubleshoot medium enterprise routers
5	ICTNWK508	Install, operate and troubleshoot medium enterprise switches

030603 NETWORK SECURITY ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	CPPSEC5004A	Prepare security risk management plan
2	CPPSEC5005A	Implement security risk management plan
3	CPPSEC5006A	Determine strategy for the implementation of biometric technology
4	CPPSEC5007A	Assess biometric system
5	ICTNWK509	Design and implement a security perimeter for ICT networks
6	ICTNWK510	Develop, implement and evaluate system and application security
7	ICTNWK511	Manage network security

030604 LAN APPLICATIONS SUPPORT ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICTNWK515	Develop configuration management protocols
2	ICTNWK516	Determine best-fit topology for a local network
3	ICTNWK517	Determine best-fit topology for a wide area network
4	ICTNWK518	Design an enterprise wireless local area network

030501 MICROCOMPUTER SUPPORT SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT501A	Research and review hardware technology options for organisations
2	ICAICT502A	Develop detailed component specifications from project specifications
3	ICAICT514A	Identify and manage the implementation of current industry-specific technologies
4	ICANWK532A	Identify and resolve network problems

030502 COMPUTER MAINTENANCE SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBEBU401	Review and maintain a website
2	ICTICT411	Select and employ software and hardware testing tools
3	ICTICT412	Coordinate and maintain ICT work teams
4	ICTPRG401	Maintain open-source code programs
5	ICTWEB404	Maintain website performance

030503 HARDWARE INSTALLATION SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS501A	Monitor and improve knowledge management system
2	ICAICT501A	Research and review hardware technology options for organisations
3	ICAICT508A	Evaluate vendor products and equipment
4	ICAICT514A	Identify and manage the implementation of current industry-specific technologies
5	ICASAS505A	Review and update disaster recovery and contingency plans

030504 COMMUNICATIONS ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBCRT401	Articulate, present and debate ideas
2	ICTNPL409	Apply knowledge of regulation and legislation for the telecommunications industry
3	ICTNPL410	Plan the telecommunications access network for an estate
4	ICTNPL411	Apply compliance requirements to telecommunications work

030401 HARDWARE INSTALLATION COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBWOR301B	Organise personal work priorities and development
2	ICADBS404A	Identify and resolve common database performance problems
3	ICANWK404A	Install, operate and troubleshoot a small enterprise branch network
4	ICANWK507A	Install, operate and troubleshoot medium enterprise routers
5	ICANWK508A	Install, operate and troubleshoot medium enterprise switches
6	ICAPRG513A	Coordinate the build phase of an IT system
7	J.612000.006.01	Mengkordinasi dan memelihara tim kerja
8	TIK.CS02.014.01	Menguji hasil rakitan secara hardware
9	TIK.CS02.036.01	Melakukan upgrade hardware

030402 POS HARDWARE COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBWOR301B	Organise personal work priorities and development
2	ICADBS407A	Monitor physical database implementation
3	ICAICT210A	Operate database applications
4	ICAPRG512A	Prepare for the build phase of an IT system
5	ICAPRG513A	Coordinate the build phase of an IT system

030403 COMPUTER MAINTENANCE COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICTCBL315	Maintain cable network
2	ICTSAS306	Maintain equipment and software
3	ICTTEN308	Maintain an electronic system

030404 NETWORK SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	ICTCBL316	Install ribbon fibre cable in the FTTX distribution network
2	ICTCBL317	Cut over metallic conductor cable in the access network
3	ICTCBL318	Install and cut over metallic conductor cable to access network cabinet
4	ICTCBL320	Jumper metallic conductor cable in the access network
5	ICTNWK301	Provide network systems administration
6	ICTNWK302	Determine and action network problems
7	ICTNWK303	Configure and administer a network operating system
8	ICTNWK304	Administer network peripherals
9	ICTNWK305	Install and manage network protocols

030405 VOICE COMMUNICATIONS SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	CUSSOU302A	Record and mix a basic music demo
2	ICTRFN304	Construct and test a radio communications device
3	ICTRFN305	Operate and maintain radio communications technical instruments and field equipment

030301 COMPUTER MAINTENANCE STAFF

No	Kode Unit	Nama Unit Kompetensi
1	CUADIG201	Maintain interactive content
2	ICTCBL236	Install, maintain and modify customer premises communications cabling: ACMA Restricted Rule
3	ICTSAS201	Maintain inventories for equipment, software and documentation
4	ICTSAS205	Maintain ICT system integrity
5	ICTSAS208	Maintain ICT equipment and consumables

030302 NETWORK CONTROL ANALYST ASSISTANT

No	Kode Unit	Nama Unit Kompetensi
1	ICTCBL215	Joint metallic conductor cable in access network
2	ICTSAS209	Connect and use a home based local wireless network
3	ICTTCR201	Use rigging practices and systems on telecommunications network structures
4	ICTTEN203	Install and configure a home or small office network
5	ICTTEN204	Install and configure a small to medium business network
6	ICTTEN205	Build and maintain a secure network
7	ICTTEN207	Install and test internet protocol devices in convergence networks

030201 BYOD SUPPORT SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	BSBSUS201A	Participate in environmentally sustainable work practices
2	ICAICT103A	Use, communicate and search securely on the internet
3	ICAICT201A	Use computer operating systems and hardware
4	ICAICT207A	Integrate commercial computing packages
5	ICASAS201A	Maintain inventories for equipment, software and documentation
6	ICASAS202A	Apply problem-solving techniques to routine IT malfunctions

030202 PERSONAL COMPUTERS SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	BSBWOR301B	Organise personal work priorities and development
2	ICADBS401A	Identify physical database requirements
3	ICADBS404A	Identify and resolve common database performance problems
4	ICADBS407A	Monitor physical database implementation
5	ICAPRG512A	Prepare for the build phase of an IT system
6	ICAPRG513A	Coordinate the build phase of an IT system

030101 COMPUTER MAINTENANCE CLERK

No	Kode Unit	Nama Unit Kompetensi
1	HLTAID002	Provide basic emergency life support
2	HLTAID003	Provide first aid
3	ICTSS00082	Fibre splicer skill set
4	ICTSS00083	Underground installations skill set

04 NETWORK AND INFRASTRUCTURE

040901 IT INFRASTRUCTURE DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT713A	Manage IT services
2	ICANWK608A	Configure network devices for a secure network infrastructure
3	ICAPMG501A	Manage IT projects
4	ICAPMG603A	Manage IT project planning
5	ICAPMG606A	Manage IT project quality
6	ICAPMG608A	Manage IT project systems implementation

040902 TELECOMMUNICATION SERVICESDIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBDES401	Generate design solutions
2	ICTDRE304	Design communications wiring systems for customer premises
3	ICTICT205	Design basic organisational documents using computing packages

040903 NETWORKSERVICESDIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICTNPL401	Apply business acumen to network planning
2	ICTNPL403	Evaluate the capability of access networks
3	ICTNPL406	Evaluate core network architectures
4	ICTNPL407	Plan the deployment of core network
5	ICTNPL410	Plan the telecommunications access network for an estate
6	ICTNWK403	Manage network and data integrity

040801 TECHNICAL SERVICESVICEPRESIDENT

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT422A	Participate in IT services
2	ICAICT713A	Manage IT services
3	ICANWK306A	Evaluate characteristics of cloud computing solutions and services
4	ICASAS509A	Provide client IT support services
5	ICASAS512A	Review and manage delivery of maintenance services

040701 MANAJER JARINGAN (NETWORK MANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.002.01	Menganalisis skalabilitas perangkat lunak
2	J.620100.008.01	Merancang arsitektur aplikasi
3	J.620100.024.02	Melakukan migrasi ke teknologi baru
4	J.620100.028.02	Menerapkan pemrograman <i>real time</i>
5	J.620100.029.02	Menerapkan pemrograman paralel
6	J.620100.030.02	Menerapkan pemrograman multimedia
7	J.620100.032.01	Menerapkan <i>code review</i>
8	J.620100.036.02	Melaksanakan pengujian kode program secara statis
9	J.620100.037.01	Melaksanakan <i>stress test</i>
10	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
11	J.620200.002.01	Menetapkan matriks, diagram, dan jenis kebutuhan (<i>requirements</i>) yang diperlukan pada arsitektur bisnis
12	J.620200.007.01	Menentukan metode pemodelan, sudut pandang dan perangkat bantu untuk merancang arsitektur aplikasi
13	J.620200.011.01	Menyusun <i>roadmap</i> dan komponen arsitektur aplikasi
14	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
15	J.62090.018	Mengelola risiko keamanan informasi
16	TIK.SM03.001.01	Menentukan arsitektur perangkat keras
17	TIK.SM03.002.01	Menentukan arsitektur perangkat lunak

040702 AHLI CLOUD COMPUTING (CLOUD COMPUTING EXPERT)

No	Kode Unit	Nama Unit Kompetensi
1	ICTPRG604	Create cloud computing services
2	J.631120.008.01	Mengimplementasikan virtualisasi sesuai dengan kebutuhan organisasi
3	J.631120.009.01	Mengimplementasikan topologi jaringan
4	J.631120.010.01	Melakukan adaptasi untuk <i>deployment</i> di <i>environment cloud</i>
5	J.631120.011.01	Mengembangkan perangkat lunak sesuai dengan <i>deployment environment</i>
6	J.631120.013.01	Menjalankan aktivitas rutin pada IaaS, PaaS, dan SaaS
7	J.631120.015.01	Memberikan dukungan teknis atas masalah <i>user</i> dan <i>report next layer</i>
8	J.631120.016.01	Melakukan penanganan (penanggulangan) gangguan dan ancaman terhadap sistem cloud
9	J.631120.017.01	Mengelola insiden pada sistem cloud yang disebabkan oleh keadaan kahar

040703 NETWORK ADMINISTRATOR UTAMA (ADVANCED NETWORK ADMINISTRATOR)

No	Kode Unit	Nama Unit Kompetensi
1	J.611000.001.01	Mengumpulkan kebutuhan teknis pengguna yang menggunakan jaringan
2	J.611000.002.01	Mengumpulkan data peralatan jaringan dengan teknologi yang sesuai
3	J.611000.005.02	Menentukan spesifikasi perangkat jaringan
4	J.611000.006.01	Merancang keamanan jaringan
5	J.611000.007.02	Merancang pemulihan jaringan
6	J.611000.015.01	Memonitor keamanan dan pengaturan akun pengguna dalam jaringan komputer
7	J.611000.016.02	Mengatasi serangan pada jaringan
8	J.611000.017.01	Mengidentifikasi sumber kerusakan
9	J.611000.018.01	Memperbaiki kerusakan konfigurasi jaringan
10	J.611000.019.01	Mengganti perangkat jaringan yang rusak
11	J.611000.020.01	Mengoptimalkan kinerja sistem jaringan
12	J.611000.021.02	Memelihara jaringan
13	J.611000.022.01	Melakukan <i>backup</i> dan <i>restore</i> konfigurasi perangkat jaringan
14	J.611000.023.01	Mengganti perangkat jaringan sesuai dengan kebutuhan baru
15	J.611000.024.01	Mengevaluasi jaringan komputer untuk pengembangan masa depan

040704 NETWORK ADMINISTRATOR SENIOR (SENIOR NETWORK ADMINISTRATOR)

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.002	Merancang <i>mobile network programming</i>
2	J.612000.007	Merancang <i>mobile interface</i>
3	J.620100.001.01	Menganalisis <i>tools</i>
4	J.620100.003.01	Melakukan identifikasi <i>library</i> , komponen atau framework yang diperlukan
5	J.620100.004.02	Menggunakan struktur data
6	J.620100.005.02	Mengimplementasikan <i>user interface</i>
7	J.620100.006.01	Merancang <i>user experience</i>
8	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar entitas
9	J.620100.013.01	Menerapkan pemecahan permasalahan menjadi subrutin
10	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>guidelines</i> dan <i>best practices</i>
11	J.620100.023.02	Membuat dokumen kode program

No	Kode Unit	Nama Unit Kompetensi
12	J.620100.025.02	Melakukan <i>debugging</i>
13	J.620100.027.01	Mengimplementasikan <i>network programming</i>
14	J.620100.031.01	Melakukan <i>profiling</i> program
15	J.620100.032.01	Menerapkan <i>code review</i>
16	J.620100.034.02	Melaksanakan pengujian integrasi program
17	J.620100.035.02	Melaksanakan pengujian program sistem
18	J.620100.037.01	Melaksanakan <i>stress test</i>
19	J.620100.038.01	Melaksanakan pengujian oleh pengguna (UAT)
20	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
21	J.620100.040.01	Membuat paket instalasi perangkat lunak
22	J.620100.042.01	Melaksanakan konfigurasi perangkat lunak sesuai <i>environment</i> (<i>development, staging, production</i>)
23	J.620100.043.01	Menganalisis dampak perubahan terhadap aplikasi
24	J.620100.044.01	Menerapkan <i>alert notification</i> jika aplikasi bermasalah
25	J.620100.045.01	Melakukan pemantauan <i>resource</i> yang digunakan aplikasi
26	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
27	J.62090.018	Mengelola risiko keamanan informasi

040705 NETWORK AND INFRASTRUCTURE EXPERT

No	Kode Unit	Nama Unit Kompetensi
1	ICTNWK301	Provide network systems administration
2	ICTNWK302	Determine and action network problems
3	ICTNWK403	Manage network and data integrity
4	ICTTCR201	Use rigging practices and systems on telecommunications network structures
5	ICTTEN205	Build and maintain a secure network

040706 CLOUD APPLICATIONS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK613A	Develop plans to manage structured troubleshooting process of enterprise networks
2	ICANWK616A	Manage security, privacy and compliance of cloud service deployment
3	ICAPRG602A	Manage the development of technical solutions from business specifications
4	ICAPRG604A	Create cloud computing services

040707 DATA COMMUNICATIONSMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	BSBINN601B	Manage organisational change
2	ICAICT601A	Develop IT strategic and action plans
3	ICANWK607A	Design and implement wireless network security
4	ICANWK613A	Develop plans to manage structured troubleshooting process of enterprise networks

040708 MANAGER NETWORK AND COMPUTINGSERVICES

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK608A	Configure network devices for a secure network infrastructure
2	ICANWK612A	Plan and manage troubleshooting advanced integrated IP networks
3	ICANWK613A	Develop plans to manage structured troubleshooting process of enterprise networks
4	ICAPRG604A	Create cloud computing services

040709 NETWORK SERVICES MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK608A	Configure network devices for a secure network infrastructure
2	ICANWK612A	Plan and manage troubleshooting advanced integrated IP networks
3	ICANWK613A	Develop plans to manage structured troubleshooting process of enterprise networks
4	ICTTEN6206A	Produce an ICT network architecture design

040710 WIRELESS SYSTEMSMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT608A	Interact with clients on a business level
2	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
3	ICANWK602A	Plan, configure and test advanced server based security
4	ICANWK603A	Plan, configure and test advanced internet network routing solutions
5	ICANWK604A	Plan and configure advanced internet network switching solutions
6	ICANWK605A	Design and configure secure integrated wireless systems
7	ICANWK607A	Design and implement wireless network security
8	ICANWK616A	Manage security, privacy and compliance of cloud service deployment

040711 VOICE AND DATA COMMUNICATIONS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK601A	Design and implement a security system
2	ICANWK602A	Plan, configure and test advanced server based security
3	ICANWK606A	Implement voice applications over secure wireless networks
4	ICANWK614A	Manage IT security

040712 TELECOMMUNICATIONSMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICTCBL213	Construct underground telecommunications infrastructure
2	ICTNPL404	Evaluate the planning requirements for provisioning a telecommunications building facility
3	ICTNPL405	Develop provisioning of telecommunications building works project
4	ICTNPL409	Apply knowledge of regulation and legislation for the telecommunications industry
5	ICTNPL410	Plan the telecommunications access network for an estate
6	ICTNPL411	Apply compliance requirements to telecommunications work
7	ICTWOR201	Work effectively in telecommunications technology

040713 VOICE/WIRELESS COMMUNICATIONSMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT603A	Manage the use of appropriate development methodologies
2	ICAICT608A	Interact with clients on a business level
3	ICANWK605A	Design and configure secure integrated wireless systems
4	ICANWK606A	Implement voice applications over secure wireless networks
5	ICANWK607A	Design and implement wireless network security
6	ICASAD604A	Manage and communicate IT solutions
7	ICTTEN6172A	Design and configure an IP-MPLS network with virtual private network tunnelling

040714 TELEPHONE AND WIRELESS SERVICESMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK605A	Design and configure secure integrated wireless systems
2	ICANWK606A	Implement voice applications over secure wireless networks
3	ICANWK607A	Design and implement wireless network security
4	ICANWK608A	Configure network devices for a secure network infrastructure
5	ICANWK611A	Configure call processing network elements for secure VoIP networks

040715 VOICE COMMUNICATIONSMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT507A	Select new technology models for business
2	ICAICT508A	Evaluate vendor products and equipment
3	ICANWK501A	Plan, implement and test enterprise communication solutions
4	ICTTEN5168A	Design and implement an enterprise voice over internet protocol and a unified communications network

040716 NETWORK ENGINEER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT104A	Use digital devices
2	ICAICT201A	Use computer operating systems and hardware
3	ICAICT303A	Connect internal hardware components
4	ICANWK505A	Design, build and test a network server
5	ICANWK506A	Configure, verify and troubleshoot WAN links and IP services in a medium enterprise network
6	ICANWK507A	Install, operate and troubleshoot medium enterprise routers
7	ICANWK508A	Install, operate and troubleshoot medium enterprise switches
8	ICANWK529A	Install and manage complex ICT networks
9	ICASAS202A	Apply problem-solving techniques to routine IT malfunctions
10	ICASAS203A	Connect hardware peripherals
11	ICASAS204A	Record client support requirements
12	ICASAS207A	Protect and secure information assets
13	ICASAS209A	Connect and use a home-based local wireless network
14	ICAWEB501A	Build a dynamic website
15	ICAWEB502A	Create dynamic web pages
16	ICTCBL2139A	Apply safe technical work practices for cabling registration
17	ICTNWK303	Configure and administer a network operating system
18	J.611000.001.01	Mengumpulkan kebutuhan teknis pengguna yang menggunakan jaringan
19	J.611000.004.01	Merancang pengalamatan jaringan
20	J.611000.005.02	Menentukan spesifikasi perangkat jaringan
21	J.611000.006.01	Merancang keamanan jaringan
22	J.611000.007.02	Merancang pemulihan jaringan
23	J.611000.008.02	Menyiapkan kabel jaringan
24	J.611000.009.02	Memasang kabel jaringan

No	Kode Unit	Nama Unit Kompetensi
25	J.611000.010.02	Memasang jaringan nirkabel
26	J.611000.013.02	Mengkonfigurasi <i>routing</i> pada perangkat jaringan dalam satu <i>autonomous system</i>
27	J.611000.014.02	Mengkonfigurasi <i>routing</i> pada perangkat jaringan antar <i>autonomous system</i>
28	J.611000.015.01	Memonitor keamanan dan pengaturan akun pengguna dalam jaringan komputer
29	J.611000.016.02	Mengatasi serangan pada jaringan
30	J.611000.017.01	Mengidentifikasi sumber kerusakan
31	J.611000.018.01	Memperbaiki kerusakan konfigurasi jaringan
32	J.611000.019.01	Mengganti perangkat jaringan yang rusak
33	TIK.JK01.008.01	Membuat laporan tertulis
34	TIK.JK02.008.01	Menginstall <i>non manageable switch</i> pada jaringan
35	TIK.JK02.009.01	Menginstall dan mengkonfigurasi <i>manageable switch</i> pada jaringan
36	TIK.JK02.011.01	Mengkonfigurasi <i>dynamic routing</i> pada router
37	TIK.JK03.011.01	Mengerjakan dan memenuhi permintaan perubahan sistem
38	TIK.JK04.013.01	Menginstalasi dan mengkonfigurasi DHCP Server
39	TIK.JK04.016.01	Menginstalasi aplikasi SNMP

040717 SYSTEMENGINEER

No	Kode Unit	Nama Unit Kompetensi
1	ICTNWK301	Provide network systems administration
2	ICTNWK511	Manage network security
3	ICTNWK609	Configure and manage intrusion prevention system on network sensors
4	ICTSAS304	Provide basic system administration

040601 NETWORK ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT418A	Contribute to copyright, ethics and privacy in an IT environment
2	ICAICT511A	Match IT needs with the strategic direction of the enterprise
3	ICANWK529A	Install and manage complex ICT networks
4	ICTSUS5187A	Implement server virtualisation for a sustainable ICT system
5	ICTTEN6206A	Produce an ICT network architecture design
6	TIK.JK01.004.01	Melaksanakan dan menjaga etika profesi
7	TIK.JK01.005.01	Mengelola pekerjaan – pekerjaan dalam proyek TI
8	TIK.JK02.002.01	Membuat desain jaringan berbasis luas (WAN)
9	TIK.JK02.004.01	Mendesain sistem keamanan jaringan
10	TIK.JK02.010.01	Menginstall dan mengkonfigurasi <i>static routing</i> pada router

11	TIK.JK02.011.01	Mengkonfigurasi <i>dynamic routing</i> pada <i>router</i>
12	TIK.JK02.014.01	Mengkonfigurasi TCP/IP statis pada workstation yang terhubung pada jaringan
13	TIK.JK02.015.01	Mengkonfigurasi TCP/IP dinamis pada workstation yang terhubung pada jaringan
14	TIK.JK02.017.01	Menginstalasi dan mengkonfigurasi server
15	TIK.JK02.018.01	Menginstalasi dan mengkonfigurasi gateway internet
16	TIK.JK02.023.01	Menyelenggarakan administrasi sistem jaringan
17	TIK.JK05.004.01	Memelihara sistem jaringan agar tetap <i>up to date</i>
18	TIK.JK05.009.01	Merawat Perangkat keras dan perangkat lunak sistem jaringan supaya tetap beroperasi
19	TIK.JK05.011.01	Memonitor dan mengadministrasi keamanan jaringan

040602 SYSTEM ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK504A	Design and implement an integrated server solution
2	ICANWK532A	Identify and resolve network problems
3	ICASAS512A	Review and manage delivery of maintenance services
4	ICASAS517A	Use network tools
5	ICASAS518A	Install and upgrade operating systems
6	ICAWEB509A	Use site server tools for transaction management
7	ICAWEB512A	Administer business websites and servers
8	ICTTEN5201A	Install, configure and test a server
9	JANCO015	Coordinate the activities of the server group with other IT and the enterprise groups
10	JANCO070	Interact with the personnel of the server groups
11	JANCO097	Oversee the activities of the server management and support groups, including scheduling and prioritizing server activities
12	JANCO116	Provide technical server leadership to IT and the enterprise
13	JANCO133	Represent the enterprise when working with vendors on server related issues
14	TIK.JK04.002.01	Menginstall dan mengelola jaringan multi server
15	TIK.JK04.003.01	Mengevaluasi status sistem
16	TIK.JK04.008.01	Menginstalasi dan mengkonfigurasi webserver
17	TIK.JK04.009.01	Menginstalasi dan mengkonfigurasi mailserver
18	TIK.JK04.010.01	Menginstalasi dan mengkonfigurasi proxy server
19	TIK.SM02.013.01	Mengelola konfigurasi sistem

040603 NETWORK DESIGNER

No	Kode Unit	Nama Unit Kompetensi
1	J.611000.001.01	Mengumpulkan kebutuhan teknis pengguna yang menggunakan jaringan
2	J.611000.002.01	Mengumpulkan data peralatan jaringan dengan teknologi yang sesuai
3	J.611000.003.02	Merancang topologi jaringan
4	J.611000.004.01	Merancang pengalamatan jaringan
5	J.611000.006.01	Merancang keamanan jaringan
6	J.611000.007.02	Merancang pemulihan jaringan
7	J.611000.011.02	Memasang perangkat jaringan ke dalam sistem jaringan
8	J.611000.012.02	Mengkonfigurasi switch pada jaringan
9	J.611000.013.02	Mengkonfigurasi routing pada perangkat jaringan dalam satu autonomous system
10	J.611000.014.02	Mengkonfigurasi routing pada perangkat jaringan antar autonomous system
11	J.611000.015.01	Memonitor keamanan dan pengaturan akun pengguna dalam jaringan komputer
12	J.611000.016.02	Mengatasi serangan pada jaringan
13	J.611000.017.01	Mengidentifikasi sumber kerusakan
14	J.611000.018.01	Memperbaiki kerusakan konfigurasi jaringan
15	J.611000.019.01	Mengganti perangkat jaringan yang rusak
16	J.611000.020.01	Mengoptimalkan kinerja sistem jaringan
17	J.611000.021.02	Memelihara jaringan
18	J.611000.022.01	Melakukan backup dan restore konfigurasi perangkat jaringan
19	J.611000.024.01	Mengevaluasi jaringan komputer untuk pengembangan masa depan

040604 NETWORK ADMINISTRATOR MADYA

No	Kode Unit	Nama Unit Kompetensi
1	J.611000.004.01	Merancang pengalamatan jaringan
2	J.611000.006.01	Merancang keamanan jaringan
3	J.611000.007.02	Merancang pemulihan jaringan
4	J.611000.010.02	Memasang jaringan nirkabel
5	J.611000.011.02	Memasang perangkat jaringan ke dalam sistem jaringan
6	J.611000.012.02	Mengkonfigurasi switch pada jaringan
7	J.611000.013.02	Mengkonfigurasi routing pada perangkat jaringan dalam satu autonomous system

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|---|-----------------|--|
| 8 | J.611000.014.02 | Mengkonfigurasi routing pada perangkat jaringan antar <i>autonomous system</i> |
| 9 | J.611000.015.01 | Memonitor keamanan dan pengaturan akun pengguna dalam jaringan komputer |

040605 TEKNIISI MADYA JARINGAN KOMPUTER

No	Kode Unit	Nama Unit Kompetensi
1	J.611000.001.01	Mengumpulkan kebutuhan teknis pengguna yang menggunakan jaringan
2	J.611000.002.01	Mengumpulkan data peralatan jaringan dengan teknologi yang sesuai
3	J.611000.003.02	Merancang topologi jaringan
4	J.611000.004.01	Merancang pengalamatan jaringan
5	J.611000.005.02	Menentukan spesifikasi perangkat jaringan
6	J.611000.009.02	Memasang kabel jaringan
7	J.611000.012.02	Mengkonfigurasi switch pada jaringan

040606 DATA COMMUNICATIONS ASSISTANT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICTDBS409	Monitor and administer a database
2	ICTTEN807	Manage voice, data and internet protocol network solutions
3	J.631100.001.01	Menetapkan kebutuhan pengelolaan pusat data untuk organisasi
4	J.631100.002.01	Menetapkan standar dan acuan praktik terbaik yang berlaku
5	J.631100.003.01	Menetapkan organisasi pusat data
6	J.631100.004.01	Menyusun anggaran pengelolaan pusat data
7	J.631100.005.01	Menyusun rencana pemeliharaan pusat data
8	J.631100.006.01	Menyusun rencana kapasitas pusat data
9	J.631100.007.01	Mengelola organisasi pusat data
10	J.631100.010.01	Mengelola keamanan fisik pusat data
11	J.631100.011.01	Mengelola kegiatan operasi pusat data harian
12	J.631100.012.01	Mengelola kegiatan pembersihan pusat data
13	J.631100.013.01	Mengelola siklus hidup peralatan dan perangkat pusat data
14	J.631100.014.01	Mengelola kegiatan perawatan pusat data
15	J.631100.015.01	Melakukan pengawasan pusat data
16	J.631100.017.01	Melakukan proses audit pusat data

040501 TEKNI SI UTAMA JARINGAN KOMPUTER

No	Kode Unit	Nama Unit Kompetensi
1	J.611000.001.01	Mengumpulkan kebutuhan teknis pengguna yang menggunakan jaringan
2	J.611000.002.01	Mengumpulkan data peralatan jaringan dengan teknologi yang sesuai
3	J.611000.003.02	Merancang topologi jaringan
4	J.611000.004.01	Merancang pengalamatan jaringan
5	J.611000.005.02	Menentukan spesifikasi perangkat jaringan
6	J.611000.009.02	Memasang kabel jaringan
7	J.611000.010.02	Memasang jaringan nirkabel
8	J.611000.012.02	Mengkonfigurasi switch pada jaringan
9	J.611000.013.02	Mengkonfigurasi routing pada perangkat jaringan dalam satu <i>autonomous system</i>
10	J.611000.014.02	Mengkonfigurasi routing pada perangkat jaringan antar <i>autonomous system</i>

040502 CLOUD COMPUTER ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICTNWK306	Evaluate characteristics of cloud computing solutions and services
2	ICTTEN810	Investigate the application of cloud networks in telecommunications switching
3	J.631120.001.01	Mendefinisikan terminologi dan konsep cloud computing
4	J.631120.002.01	Mengidentifikasi teknologi cloud computing
5	J.631120.003.01	Mengidentifikasi berbagai jenis perangkat keras yang dibutuhkan
6	J.631120.004.01	Mengidentifikasi berbagai tipe data center
7	J.631120.005.01	Merancang arsitektur virtualisasi sistem cloud
8	J.631120.006.01	Merancang arsitektur skalabilitas virtualisasi sistem cloud

040503 NETWORK ADMINISTRATOR MUDA (JUNIOR NETWORK ADMINISTRATOR)

No	Kode Unit	Nama Unit Kompetensi
1	J.611000.004.01	Merancang pengalamatan jaringan
2	J.611000.010.02	Memasang jaringan nirkabel
3	J.611000.012.02	Mengkonfigurasi switch pada jaringan
4	J.611000.013.02	Mengkonfigurasi routing pada perangkat jaringan dalam satu <i>autonomous system</i>
5	J.611000.014.02	Mengkonfigurasi routing pada perangkat jaringan antar <i>autonomous system</i>

040504 TEKNISI MUDA JARINGAN KOMPUTER

No	Kode Unit	Nama Unit Kompetensi
1	J.611000.001.01	Mengumpulkan kebutuhan teknis pengguna yang menggunakan jaringan
2	J.611000.002.01	Mengumpulkan data peralatan jaringan dengan teknologi yang sesuai
3	J.611000.003.02	Merancang topologi jaringan
4	J.611000.004.01	Merancang pengalamatan jaringan
5	J.611000.005.02	Menentukan spesifikasi perangkat jaringan
6	J.611000.009.02	Memasang kabel jaringan
7	J.611000.012.02	Mengkonfigurasi switch pada jaringan

040505 NETWORK SERVICES ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT418A	Contribute to copyright, ethics and privacy in an IT environment
2	ICAICT511A	Match IT needs with the strategic direction of the enterprise
3	ICANWK524A	Install and configure network access storage devices
4	ICANWK525B	Configure an enterprise virtual computing environment
5	ICANWK529A	Install and manage complex ICT networks
6	ICTSUS5187A	Implement server virtualization for a sustainable ICT system
7	ICTTEN6206A	Produce an ICT network architecture design
8	TIK.JK01.008.01	Membuat laporan tertulis
9	TIK.JK02.007.01	Memasang jaringan nirkabel
10	TIK.JK02.008.01	Menginstall non manageable switch pada jaringan
11	TIK.JK02.009.01	Menginstall dan mengkonfigurasi manageable switch pada jaringan
12	TIK.JK02.014.01	Mengkonfigurasi TCP/IP statis pada workstation yang terhubung pada jaringan
13	TIK.JK02.015.01	Mengkonfigurasi TCP/IP dinamis pada workstation yang terhubung pada jaringan
14	TIK.JK02.025.01	Mendukung perangkat lunak sistem

040506 NETWORK SPECIALIST SENIOR

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK506A	Configure, verify and troubleshoot WAN links and IP services in a medium enterprise network
2	ICTNWK529	Install and manage complex ICT networks
3	ICTTEN204	Install and configure a small to medium business network
4	ICTTEN205	Build and maintain a secure network
5	ICTTEN513	Install, configure and test a local area network switch

No	Kode Unit	Nama Unit Kompetensi
6	J.611000.006.01	Merancang keamanan jaringan
7	J.611000.009.02	Memasang kabel jaringan
8	J.611000.021.02	Memelihara jaringan
9	J.611000.024.01	Mengevaluasi jaringan komputer untuk pengembangan masa depan

040507 NETWORK SERVICE SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.JK01.005.01	Mengelola pekerjaan – pekerjaan dalam proyek TI
2	TIK.JK04.003.01	Mengevaluasi status sistem
3	TIK.JK04.004.01	Memonitor dan mengadministrasi keamanan sistem
4	TIK.JK05.002.01	Melaksanakan prosedur perawatan
5	TIK.JK05.006.01	Memberi petunjuk atau saran permasalahan jaringan

040401 JUNIOR NETWORK ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	J.61200.001.01	Menunjukkan platform operating system dan bahasa pemrograman di dalam perangkat lunak
2	J.612000.007	Merancang mobile interface
3	J.620100.005.02	Mengimplementasikan user interface
4	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar entitas
5	J.620100.011.01	Melakukan instalasi software tools pemrograman
6	J.620100.012.01	Melakukan pengaturan software tools pemrograman
7	J.620100.014.01	Menerapkan metode dan praktik penggunaan kembali (reusable) subrutin-subrutin
8	J.620100.015.01	Menyusun fungsi, file atau sumber daya pemrograman yang lain dalam organisasi yang rapi
9	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
10	J.620100.019.02	Menggunakan library atau komponen pre-existing
11	J.620100.020.02	Menggunakan SQL
12	J.620100.021.02	Menerapkan akses basis data
13	J.620100.022.02	Mengimplementasikan algoritma pemrograman
14	J.620100.026.01	Menerapkan source code versioning
15	J.620100.034.02	Melaksanakan pengujian integrasi program
16	J.620100.039.02	Memberikan petunjuk teknis kepada pelanggan
17	J.620100.040.01	Membuat paket instalasi perangkat lunak
18	J.620100.046.01	Mengimplementasikan fitur logging aplikasi

No	Kode Unit	Nama Unit Kompetensi
19	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
20	TIK.MM02.029.0	Merancang dan membuat interface multimedia

040402 WIRELESS COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT206A	Install software applications
2	ICASAS208A	Maintain IT equipment and consumables
3	ICTCBL2137A	Install, maintain and modify customer premises communications cabling: ACMA Open Rule
4	TIK.PR03.005.01	Membuat program untuk membangkitkan data dasar

040403 VOICE COMMUNICATIONS COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT203A	Operate application software packages
2	ICAICT204A	Operate a digital media technology package
3	ICAICT210A	Operate database applications

040404 VOICE WIRELESS COMMUNICATIONS COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT203A	Operate application software packages
2	ICTTEN201	Use electrical skills in telecommunications work
3	ICTTEN302	Install telecommunications network equipment
4	TIK.CS02.052.01	Melakukan setting konfigurasi komunikasi wireless

040301 NETWORK TECHNICIAN

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT101A	Operate a personal computer
2	ICAICT107A	Use personal productivity tools
3	ICANWK404A	Install, operate and troubleshoot a small enterprise branch network
4	ICANWK505A	Design, build and test a network server
5	ICANWK507A	Install, operate and troubleshoot medium enterprise routers
6	ICAPRG512A	Prepare for the build phase of an IT system
7	J.611000.008.02	Menyiapkan kabel jaringan
8	J.611000.009.02	Memasang kabel jaringan
9	J.611000.010.02	Memasang jaringan nirkabel
10	J.611000.012.02	Mengkonfigurasi switch pada jaringan

No	Kode Unit	Nama Unit Kompetensi
11	J.611000.013.02	Mengkonfigurasi routing pada perangkat jaringan dalam satu autonomous system
12	J.611000.014.02	Mengkonfigurasi routing pada perangkat jaringan antar autonomous system
13	J.611000.019.01	Mengganti perangkat jaringan yang rusak
14	J.61200.001.01	Menunjukkan platform operating system dan bahasa pemrograman di dalam perangkat lunak
15	J.620100.005.02	Mengimplementasikan user interface
16	J.620100.011.01	Melakukan instalasi software tools pemrograman
17	J.620100.012.01	Melakukan pengaturan software tools pemrograman
18	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek
19	J.620100.023.02	Membuat dokumen kode program
20	J.620100.026.01	Menerapkan source code versioning
21	J.620100.033.02	Melaksanakan pengujian unit program
22	J.620900.025.02	Melakukan instalasi sistem operasi
23	J.620900.026.02	Melakukan instalasi software aplikasi
24	TIK.MM01.005.0	Mengidentifikasi komponen multimedia
25	TIK.MM01.007.0	Memilih dan memakai software dan hardware untuk multimedia

040302 TELECOMMUNICATIONS TECHNICIAN

No	Kode Unit	Nama Unit Kompetensi
1	ICTTEN201	Use electrical skills in telecommunications work
2	ICTTEN202	Use hand and power tools
3	ICTWHS203	Work safely near power infrastructure
4	ICTWHS204	Follow work health and safety and environmental policy and procedures
5	ICTWOR201	Work effectively in telecommunications technology
6	J.591200.006.01	Melakukan instalasi peralatan (video player, computer dan pendukungnya)
7	J.612000.037.01	Melakukan pengukuran trafik telekomunikasi
8	J.612000.041.01	Melakukan monitoring kinerja jaringan telekomunikasi

040201 TECHNICAL SUPPORT

No	Kode Unit	Nama Unit Kompetensi
1	J.620900.001.02	Mengidentifikasi perangkat penyusun komputer
2	J.620900.002.02	Mengidentifikasi spesifikasi perangkat komputer
3	J.620900.003.02	Merumuskan kebutuhan pengguna

No	Kode Unit	Nama Unit Kompetensi
4	J.620900.004.02	Merancang spesifikasi sesuai dengan fungsi dan kebutuhan pengguna
5	J.620900.005.02	Merencanakan perawatan komputer dan perangkat penunjang
6	J.620900.006.01	Melakukan inventarisasi hardware
7	J.620900.007.02	Melakukan inventarisasi software
8	J.620900.008.02	Memasang interface card
9	J.620900.009.02	Memasang hard disk
10	J.620900.010.02	Memasang motherboard
11	J.620900.011.02	Memasang memory
12	J.620900.012.02	Memasang prosesor
13	J.620900.013.02	Memasang optical drive
14	J.620900.014.02	Merawat CPU
15	J.620900.015.02	Merawat hard disk
16	J.620900.016.02	Merawat peripheral
17	J.620900.017.02	Memperbaiki CPU
18	J.620900.018.02	Memperbaiki keyboard
19	J.620900.019.02	Memperbaiki optical drive
20	J.620900.020.02	Memperbaiki monitor
21	J.620900.021.02	Memperbaiki printer
22	J.620900.022.01	Memperbaiki scanner
23	J.620900.023.01	Memperbaiki proyektor
24	J.620900.024.02	Melakukan setting bios
25	J.620900.025.02	Melakukan instalasi sistem operasi
26	J.620900.026.02	Melakukan instalasi software aplikasi
27	J.620900.027.02	Melakukan recovery data
28	J.620900.028.02	Mencegah komputer dari serangan berbagai jenis virus
29	J.620900.029.02	Memperbaiki komputer yang terinfeksi virus
30	J.620900.030.02	Melakukan setting untuk optimasi sistem
31	J.620900.031.02	Merawat sistem operasi
32	J.620900.032.02	Melakukan restore sistem operasi
33	J.620900.033.02	Melakukan backup data dan sistem

040202 TEKNISI PENDUKUNG JARINGAN (NETWORK SUPPORT TECHNICIAN)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.004.02	Menggunakan struktur data
2	J.620100.005.02	Mengimplementasikan user interface
3	J.620100.009.01	Menggunakan spesifikasi program
4	J.620100.010.01	Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia
5	J.620100.011.01	Melakukan instalasi software tools pemrograman
6	J.620100.012.01	Melakukan pengaturan software tools pemrograman
7	J.620100.016.01	Menulis kode dengan prinsip sesuai guidelines dan best practices
8	J.620100.017.02	Mengimplementasikan pemrograman terstruktur
9	J.620100.023.02	Membuat dokumen kode program
10	J.620100.025.02	Melakukan debugging
11	J.620100.033.02	Melaksanakan pengujian unit program
12	J.620900.025.02	Melakukan instalasi sistem operasi
13	J.620900.026.02	Melakukan instalasi software aplikasi

040203 TEKNISI PENDUKUNG OPERASIONAL JARINGAN (OPERATIONAL SUPPORT TECHNICIAN)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.004.02	Menggunakan struktur data
2	J.620100.005.02	Mengimplementasikan user interface
3	J.620100.009.01	Menggunakan spesifikasi program
4	J.620100.010.01	Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia
5	J.620100.011.01	Melakukan instalasi software tools pemrograman
6	J.620100.012.01	Melakukan pengaturan software tools pemrograman
7	J.620100.016.01	Menulis kode dengan prinsip sesuai guidelines dan best practices
8	J.620100.017.02	Mengimplementasikan pemrograman terstruktur
9	J.620100.023.02	Membuat dokumen kode program
10	J.620100.025.02	Melakukan debugging
11	J.620100.033.02	Melaksanakan pengujian unit program
12	J.620900.025.02	Melakukan instalasi sistem operasi
13	J.620900.026.02	Melakukan instalasi software aplikasi

040101 JUNIOR TECHNICALSUPPORT

No	Kode Unit	Nama Unit Kompetensi
1	J.611000.002.01	Mengumpulkan data peralatan jaringan dengan teknologi yang sesuai
2	J.611000.003.02	Merancang topologi jaringan
3	J.611000.004.01	Merancang pengalamatan jaringan
4	J.611000.005.02	Menentukan spesifikasi perangkat jaringan
5	J.611000.009.02	Memasang kabel jaringan

040102 TECHNICALSUPPORTCLERK

No	Kode Unit	Nama Unit Kompetensi
1	ICAPRG511A	Monitor and support data conversion to new IT system
2	ICASAS411A	Assist with policy development for client support procedures
3	ICASAS420A	Provide first-level remote help-desk support
4	ICASAS509A	Provide client IT support services
5	ICTSAS204	Record client support requirements

05 OPERATION AND SYSTEM TOOLS

050901 CHIEF OPERATION OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO538	Implements and monitors compliance with statements of policies and procedures to assure proper documentation and communication of necessary controls.
2	JANCO545	Interacts frequently with all SBU management on internal and external operations that are impacted by the capture, storage, processing and dissemination of information including review and approval of all major contracts for services and equipment.
3	JANCO561	Manages effective working relationships with other departments, groups and personnel with whom work must be coordinated or interfaced.
4	JANCO585	Prepares enterprise objectives and budgets to facilitate the orderly and efficient capture, storage, processing and dissemination of information.
5	JANCO587	Prepares quarterly and annual reports on the operations of the enterprise Information Technology operations of the enterprise.

050801 OPERATION AND TECHNOLOGY DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT701A	Lead research into identifying new marketplace opportunities
2	ICAICT702A	Direct ICT services
3	ICAICT703A	Endorse business plan components for a new initiative
4	ICAICT706A	Direct outsourced ICT services
5	ICASUS702A	Conduct a business case study for integrating sustainability in IT planning and design projects
6	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI

050701 MANAJER OPERASIONAL KOMPUTER (COMPUTER OPERATIONS MANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT410A	Conduct post-implementation IT system reviews
2	ICAICT412A	Coordinate and maintain IT work teams
3	ICAICT511A	Match IT needs with the strategic direction of the enterprise
4	ICASAD606A	Analyse stakeholder requirements
5	ICASAS201A	Maintain inventories for equipment, software and documentation
6	ICASAS202A	Apply problem-solving techniques to routine IT malfunctions
7	ICASAS205A	Maintain IT system integrity
8	ICASAS208A	Maintain IT equipment and consumables
9	TIK.SM03.007.01	Menyediakan manajemen teknis dari operasional teknologi informasi

050702 OPERATION SYSTEM ENGINEER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
2	JANCO104	Performs at or above enterprise performance standards as established within the department
3	JANCO131	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
4	JANCO175	Develops and maintains service level agreements with the various user departments and enterprise business units.
5	JANCO392	Develops, implements, and updates a management reporting system for the data center and production services.
6	JANCO417	Is knowledgeable and complies with mandated security, disaster recovery and business continuity, internal control, and financial reporting requirements including ISO 27031, Sarbanes-Oxley, and HIPAA.
7	JANCO461	Provides capacity planning services to the data center and production services areas within the enterprise.
8	JANCO465	Provides long-range planning for operational areas.
9	JANCO471	Serves as a "futurist" within the department.
10	JANCO475	Strives to learn the job functions of the position's immediate superior as well as peer-level positions with whom the individual interacts. It is the responsibility of the individual to be prepared for temporary re-assignment and/or promotion due to extension
11	JANCO487	Works closely with the Disaster Recovery Coordinator to ensure that the Disaster Recovery Plan is updated to changes in the enterprise's capacity
12	JANCO490	Works to insure quality customer service levels through capacity planning functions.

050703 OPERATING SYSTEMS PRODUCTIONMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT412A	Coordinate and maintain IT work teams
2	ICAICT511A	Match IT needs with the strategic direction of the enterprise
3	ICASAD606A	Analyse stakeholder requirements
4	ICASAS201A	Maintain inventories for equipment, software and documentation
5	ICASAS205A	Maintain IT system integrity
6	ICASAS421A	Support users and troubleshoot desktop applications
7	J.620900.031.02	Merawat sistem operasi
8	TIK.SM03.007.01	Menyediakan manajemen teknis dari operasional Teknologi Informasi

050704 IT OPERATIONS SUPPORTMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS602A	Develop a knowledge management strategy
2	ICAICT602A	Develop contracts and manage contracted performance
3	ICAICT603A	Manage the use of appropriate development methodologies
4	JANCO042	Directs, motivates, delegates, and empowers staff in the successful performance of their tasks and responsibilities while encouraging innovation
5	JANCO089	Manages the user support group activities to insure support to site organizations is provided in a timely and courteous manner to effectuate complete customer satisfaction
6	JANCO121	Provides for the process definition, management and improvement of office automation and end-user computing products and utilization at all sites and groups
7	JANCO146	Trains, supervises, assigns projects to, evaluates, and is responsible for hiring/termination of staff to maintain optimum performance of job responsibilities

050705 IT OUTSOURCINGMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	TIK.SM02.001.01	Mengelola kemampuan dan fungsionalitas dari seluruh komponen TI
2	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI
3	TIK.SM02.012.01	Mengelola insiden yang terjadi
4	TIK.SM02.013.01	Mengelola konfigurasi sistem
5	TIK.SM02.014.01	Mengelola perubahan yang terjadi
6	TIK.SM03.001.01	Menentukan arsitektur perangkat keras
7	TIK.SM03.002.01	Menentukan arsitektur perangkat lunak

No	Kode Unit	Nama Unit Kompetensi
8	TIK.SM03.003.01	Menyediakan tim operasional pendukung sistem
9	TIK.SM03.004.01	Menetapkan standar otorisasi akses di dalam organisasi
10	TIK.SM03.005.01	Menetapkan manajemen eskalasi terhadap permasalahan
11	TIK.SM03.007.01	Menyediakan manajemen teknis dari operasional teknologi informasi
12	TIK.SM03.008.01	Mengelola aspek keuangan dalam sistem pelayanan teknologi informasi

050706 ACCOUNTING INFORMATION SYSTEM MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO018	Coordinates the definition and design of accounting/financial functions and systems throughout IT to insure compatibility among systems and maintenance of appropriate internal controls
2	JANCO038	Directs the maintenance and preparation of fair and accurate financial records in conformance with generally accepted accounting principles (GAAP) and governmental regulations
3	JANCO118	Provides all assistance and information required in the preparation of all local, state and federal tax filings
4	JANCO124	Provides management and other appropriate internal organizations with accurate and timely financial information and reports
5	JANCO146	Trains, supervises, assigns projects to, evaluates, and is responsible for hiring/termination of staff to maintain optimum performance of job responsibilities

050707 STORE INFORMATION SYSTEM MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	TIK.SM02.001.01	Mengelola kemampuan dan fungsionalitas dari seluruh komponen TI
2	TIK.SM02.005.01	Mengendalikan aset dan seluruh sumber daya pelayanan TI
3	TIK.SM02.008.01	Menyediakan tim pendukung untuk pemeliharaan aplikasi
4	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI
5	TIK.SM02.015.01	Mengesahkan dan menerapkan layanan kepada pengguna

050708 TRANSACTION PROCESSING MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT608A	Interact with clients on a business level
2	ICASAS205A	Maintain IT system integrity
3	J.620100.004.02	Menggunakan struktur data
4	J.620100.028.02	Menerapkan pemrograman real time
5	J.6202000.012.01	Mengidentifikasi kebutuhan transaksi operasional
6	J.6202000.013.01	Menentukan Sistem ERP Berdasarkan Kebutuhan Transaksi Operasional
7	J.62090.004	Menerapkan Prinsip Keamanan Informasi pada Transaksi Elektronik

050709 ADMINISTRATION AND FACILITIES MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	BSBINN601B	Manage organisational change
2	ICASAD602A	Conduct knowledge audits
3	JANCO010	Conducts compliance audits and adequacy certification of IT related documentation, coordinates all internal and external audit requirements and formalizes corrective action plans and attendant respons
4	JANCO017	Coordinates human resource activities for IT in support of the manager of human resources
5	JANCO027	Develops and maintains effective and cost efficient employee recognition, motivation and suggestion programs
6	JANCO037	Directs the development, analysis, evaluation, coordination, maintenance and distribution of all IT policies, procedures, internal control programs, work instructions, and manuals
7	JANCO041	Directs, develops, coordinates and conducts training plans and programs; compiles and publishes training programs statistics
8	JANCO042	Directs, motivates, delegates, and empowers staff in the successful performance of their tasks and responsibilities while encouraging innovation
9	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
10	JANCO059	Identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding preservation and proper use of enterprise assets and future
11	JANCO064	Insures effective integration of enterprise directives and IT management policies, procedures, work instructions, forms, vital records programs, and customer documentation
12	JANCO067	Insures that command media is in compliance with enterprise, customer and IT established internal control/operating methods, policies and procedures
13	JANCO087	Manages the centralized system for the control of business forms, records retention programs, and vital record functions
14	JANCO146	Trains, supervises, assigns projects to, evaluates, and is responsible for hiring/termination of staff to maintain optimum performance of job responsibilities
15	JANCO157	Plans, documents and coordinates organization facility requests with host groups and third party leasers
16	KOM.PR01.008.0	Menerapkan kepemimpinan (leadership)
17	TIK.DG02.011.01	Mengatur tim kerja
18	TIK.SM02.002.01	Meningkatkan aspek ketersediaan dalam layanan TI
19	TIK.SM02.003.01	Menyediakan layanan berdasarkan tingkat -tingkat tertentu
20	TIK.SM02.009.01	memberikan pelayanan produk-produk teknologi informasi sesuai kebutuhan bisnis
21	TIK.SM03.003.01	Menyediakan tim operasional pendukung sistem

050710 TECHNICAL OPERATIONS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	ICAICT602A	Develop contracts and manage contracted performance
3	JANCO039	Directs the modification of existing and/or creation of new software for specific enterprise needs
4	JANCO110	Plans and organizes the various functions under his control to insure adequate staffing, and develops training/education programs for staff development
5	JANCO120	Provides direction and assistance to the systems programming staff
6	JANCO125	Provides motivation direction and assistance to the systems programming group
7	JANCO132	Reports to the Director Data Processing and directs all activities of the systems programming group

050711 DESKTOP/COMPUTER SUPPORT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	BSBMGT608C	Manage innovation and continuous improvement
2	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
3	ICANWK615A	Design and configure desktop virtualisation
4	JANCO002	Adheres and maintains a positive working relationship with all enterprise departments to optimize working relationships and communication
5	JANCO004	Analyzes the training needs of personal computer users, develops classroom curriculum and provides quality individual and group training programs designed to insure maximum utilization of PC
6	JANCO051	Fulfills department requirements in terms of providing work coverage and administrative notification during periods of personnel illness, vacation or education
7	JANCO058	Identifies and initiates resolutions to user problems and concerns associated with personal computer equipment, hardware and software to the user's satisfaction
8	JANCO078	Maintains current technical expertise in the rapidly changing technology of microcomputers
9	JANCO081	Maintains PC software and hardware registration and inventory to provide upgrades as necessary and insure appropriate security levels are maintained
10	JANCO105	Performs at or above the enterprise's Information Technology performance standard
11	JANCO109	Plans and coordinates the purchase, installation and implementation of personal computer hardware and software according to department standards and procedures

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|----|-----------------|--|
| 12 | JANCO112 | Prepares monthly status reports quantitatively reporting results of personal computer activities |
| 13 | JANCO148 | Upholds the enterprise policy guidelines as well as recommends new and improved guidelines to insure compatibility and better service PC users |
| 14 | JANCO150 | Utilizes state-of-the-art techniques when implementing hardware and software solutions |
| 15 | TIK.DG02.011.01 | Mengatur tim kerja |
| 16 | TIK.JK03.009.01 | Melakukan analisa teknologi baru |
| 17 | TIK.JK05.003.01 | Menentukan dan menyelesaikan masalah komputasi pada klien |
| 18 | TIK.SM02.002.01 | Meningkatkan aspek ketersediaan dalam layanan TI |
| 19 | TIK.SM02.008.01 | Menyediakan tim pendukung untuk pemeliharaan aplikasi |
| 20 | TIK.SM03.003.01 | Menyediakan tim operasional pendukung sistem |
| 21 | TIK.SM03.006.01 | Memantau pelayanan prosedur tingkat layanan |

050712 HELP DESKMANAGER

- | No | Kode Unit | Nama Unit Kompetensi |
|----|-----------------|---|
| 1 | ICAICT609A | Lead the evaluation and implementation of current industry-specific technologies |
| 2 | ICANWK612A | Plan and manage troubleshooting advanced integrated IP networks |
| 3 | ICANWK613A | Develop plans to manage structured troubleshooting process of enterprise networks |
| 4 | JANCO014 | Contribute to the training and development of IT personnel in direct support of IT delivery of services |
| 5 | JANCO023 | Develop IT training programs and curriculum commensurate with needs |
| 6 | JANCO033 | Direct self and the activity of others during the testing, monitoring, and installation of the network software as required |
| 7 | JANCO061 | Identify potential service level and process problems before they occur and implement solutions. |
| 8 | JANCO106 | Plan and coordinate IT hardware and software training and implementation |
| 9 | JANCO129 | Publishes articles describing both the enterprise's activities and assessments of technology |
| 10 | JANCO135 | Resolve problems with client server and IT hardware and software |
| 11 | JANCO137 | Schedule and prioritize work to accommodate corporate and customer needs while minimizing impact on current projects. |
| 12 | JANCO153 | Work with IT users within the enterprise and with external vendors |
| 13 | TIK.DG02.011.01 | Mengatur tim kerja |
| 14 | TIK.JK05.003.01 | Menentukan dan menyelesaikan masalah komputasi pada klien |
| 15 | TIK.SM02.002.01 | Meningkatkan aspek ketersediaan dalam layanan TI |

- 16 TIK.SM02.008.01 Menyediakan tim pendukung untuk pemeliharaan aplikasi
- 17 TIK.SM02.011.01 Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI
- 18 TIK.SM03.003.01 Menyediakan tim operasional pendukung sistem
- 19 TIK.SM03.005.01 Menetapkan manajemen eskalasi terhadap permasalahan
- 20 TIK.SM03.006.01 Memantau pelayanan prosedur tingkat layanan

050713 OPERATION SYSTEM DEVELOPMENT EXPERT

No	Kode Unit	Nama Unit Kompetensi
1	ICASAD606A	Analyse stakeholder requirements
2	ICASAS201A	Maintain inventories for equipment, software and documentation
3	ICASAS205A	Maintain IT system integrity
4	ICASAS421A	Support users and troubleshoot desktop applications
5	J.620900.031.02	Merawat sistem operasi
6	TIK.SM03.007.01	Menyediakan manajemen teknis dari operasional Teknologi Informasi

050601 TEKNISI KOMPUTER SPESIALIS SENIOR (SENIOR COMPUTER TECHNICIAN SPECIALIST)

No	Kode Unit	Nama Unit Kompetensi
1	J.620900.003.02	Merumuskan kebutuhan pengguna
2	J.620900.004.02	Merancang spesifikasi sesuai dengan fungsi dan kebutuhan pengguna
3	J.620900.005.02	Merencanakan perawatan komputer dan perangkat penunjang
4	J.620900.006.01	Melakukan inventarisasi <i>hardware</i>
5	J.620900.007.02	Melakukan inventarisasi <i>software</i>
6	J.620900.014.02	Merawat CPU
7	J.620900.015.02	Merawat hard disk
8	J.620900.016.02	Merawat <i>Peripheral</i>
9	J.620900.017.02	Memperbaiki CPU
10	J.620900.026.02	Melakukan instalasi aplikasi <i>software</i>
11	J.620900.027.02	Melakukan <i>recovery</i> data
12	J.620900.028.02	Mencegah komputer dari serangan berbagai jenis virus
13	J.620900.029.02	Memperbaiki komputer yang terinfeksi virus
14	J.620900.030.02	Melakukan <i>Setting</i> untuk optimasi sistem
15	J.620900.031.02	Merawat sistem operasi
16	J.620900.032.02	Melakukan <i>Restore</i> sistem operasi
17	J.620900.033.02	Melakukan <i>Backup</i> data dan sistem

050602 METRICS MEASUREMENT ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT415A	Provide one-to-one instruction
2	ICAICT416A	Contribute to the development of strategic plans
3	ICASAS403A	Review site environmental factors prior to IT system implementation
4	ICAWEB424A	Evaluate and select a web hosting service
5	JANCO090	Monitor production applications performance.
6	JANCO115	Provide technical leadership to IT staff.
7	JANCO137	Schedule and prioritize work to accommodate corporate and customer needs while minimizing impact on current projects.
8	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasi perkantoran

050603 SENIOR PRODUCTION CONTROL ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	BSBIPR301A	Comply with organisational requirements for protection and use of intellectual property
2	ICAICT401A	Determine and confirm client business requirements
3	ICAICT402A	Determine project specifications and secure client agreement
4	ICAICT410A	Conduct post-implementation IT system reviews
5	ICASAS306A	Maintain equipment and software
6	ICASAS307A	Install, configure and secure a small office home office network
7	ICASAS411A	Assist with policy development for client support procedures
8	J.591200.005.01	Menjalin kerjasama dengan pihak luar/client
9	J.591200.006.01	Melakukan instalasi peralatan (video player, computer dan pendukungnya)
10	KOM.PR02.031.0	Merancang identitas organisasi/institusi
11	TIK.CS02.016.01	Mengkonfigurasi harddisk
12	TIK.JK01.005.01	Mengelola pekerjaan – pekerjaan dalam proyek TI
13	TIK.JK02.023.01	Menyelenggarakan administrasi sistem jaringan
14	TIK.SM01.003.01	Melaksanakan pekerjaan secara mandiri dalam lingkungan organisasi TI

050501 SUPERVISOR TEKNISI KOMPUTER (COMPUTER TECHNICIAN SUPERVISOR)

No	Kode Unit	Nama Unit Kompetensi
1	J.620900.001.02	Mengidentifikasi perangkat penyusun komputer
2	J.620900.002.02	Mengidentifikasi spesifikasi perangkat komputer
3	J.620900.003.02	Merumuskan kebutuhan pengguna
4	J.620900.004.02	Merancang spesifikasi sesuai dengan fungsi dan kebutuhan pengguna
5	J.620900.005.02	Merencanakan perawatan komputer dan perangkat penunjang
6	J.620900.006.01	Melakukan inventarisasi <i>hardware</i>
7	J.620900.007.02	Melakukan inventarisasi <i>software</i>
8	J.620900.008.02	Memasang <i>interface card</i>
9	J.620900.009.02	Memasang <i>hard disk</i>
10	J.620900.010.02	Memasang <i>motherboard</i>
11	J.620900.011.02	Memasang <i>memory</i>
12	J.620900.012.02	Memasang <i>prosesor</i>
13	J.620900.013.02	Memasang <i>optical drive</i>
14	J.620900.014.02	Merawat <i>CPU</i>
15	J.620900.015.02	Merawat <i>hard disk</i>
16	J.620900.016.02	Merawat <i>peripheral</i>
17	J.620900.017.02	Memperbaiki <i>CPU</i>
18	J.620900.018.02	Memperbaiki <i>keyboard</i>
19	J.620900.019.02	Memperbaiki <i>Optical drive</i>
20	J.620900.020.02	Memperbaiki monitor
21	J.620900.024.02	Melakukan <i>setting bios</i>
22	J.620900.025.02	Melakukan instalasi sistem operasi
23	J.620900.026.02	Melakukan instalasi <i>software aplikasi</i>
24	J.620900.027.02	Melakukan <i>recovery data</i>
25	J.620900.028.02	Mencegah komputer dari serangan berbagai jenis virus
26	J.620900.029.02	Memperbaiki komputer yang terinfeksi virus
27	J.620900.031.02	Merawat sistem operasi
28	J.620900.032.02	Melakukan <i>restore</i> sistem operasi
29	J.620900.033.02	Melakukan <i>backup</i> data dan sistem

050502 WORD PROCESSING SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS501A	Monitor and improve knowledge management system
2	ICAICT511A	Match IT needs with the strategic direction of the enterprise
3	JANCO003	Adheres to all established enterprise, division and departmental policies, standards and procedures
4	JANCO063	Insures confidentiality of all word processing
5	JANCO080	Maintains liaison with all client departments to improve service to insure that departmental requirements are met or exceeded
6	JANCO104	Performs at or above enterprise performance standards as established within the department
7	JANCO113	Prepares weekly and monthly statistics which measure production and estimate charge back costs to inform management of word processing activities, workload and staffing
8	JANCO143	Supervises word processing personnel through a combination of work performance standards, and productivity measurement against these standards
9	JANCO145	Trains new employees on equipment and procedures, and trains current employees to update current knowledge of equipment and procedures
10	TIK.JK02.020.01	Menyiapkan dokumen teknis
11	TIK.JK05.010.01	Menjamin privacy (kerahasiaan) pengguna
12	TIK.SM01.008.01	Membuat laporan tertulis

050503 COMPUTER OPERATION SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT416A	Contribute to the development of strategic plans
2	ICANWK403A	Manage network and data integrity
3	ICANWK406A	Install, configure and test network security
4	ICAWEB419A	Develop guidelines for uploading information to a website
5	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasi perkantoran

050504 HELP DESK SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBEBU401A	Review and maintain a website
2	ICAICT411A	Select and employ software and hardware testing tools
3	ICASAS410A	Identify and resolve client IT problems
4	ICASAS418A	Monitor and administer security of an IT system
5	JANCO020	Deploy and support desktop hardware and software, printers, faxes, computer peripherals, PC and telephone moves, etc.
6	JANCO053	Handle a variety of operations/production problems requiring judgment within generally defined policies and procedures.
7	JANCO103	Perform quality checks and distributes reports.
8	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasiperkantoran
9	TIK.OP03.003.01	Membuat halaman web menggunakan bahasa web (HTML) tingkat dasar

050401 SPESIALIS TEKNISI KOMPUTER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT303A	Connect internal hardware components
2	ICASAS202A	Apply problem-solving techniques to routine IT malfunctions
3	ICASAS206A	Detect and protect from spam and destructive software
4	ICASAS420A	Provide first-level remote help-desk support
5	ICASAS421A	Support users and troubleshoot desktop applications
6	J.620900.001.02	Mengidentikasi perangkat penyusun komputer
7	J.620900.006.01	Melakukan inventarisasi <i>hardware</i>
8	J.620900.007.02	Melakukan inventarisasi <i>software</i>
9	J.620900.008.02	Memasang <i>interface card</i>
10	J.620900.009.02	Memasang <i>hard disk</i>
11	J.620900.010.02	Memasang <i>motherboard</i>
12	J.620900.011.02	Memasang <i>memory</i>
13	J.620900.012.02	Memasang <i>processor</i>
14	J.620900.013.02	Memasang <i>optical drive</i>
15	J.620900.014.02	Merawat <i>CPU</i>
16	J.620900.017.02	Memperbaiki <i>CPU</i>
17	J.620900.018.02	Memperbaiki <i>keyboard</i>
18	J.620900.019.02	Memperbaiki <i>optical drive</i>
19	J.620900.020.02	Memperbaiki monitor

- 20 J.620900.024.02 Melakukan *setting bios*
- 21 J.620900.026.02 Melakukan instalasi *software* aplikasi

050402 JUNIOR COMPUTERTECHNICIAN

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT303A	Connect internal hardware components
2	ICASAS202A	Apply problem-solving techniques to routine IT malfunctions
3	ICASAS206A	Detect and protect from spam and destructive software
4	ICASAS420A	Provide first-level remote help-desk support
5	ICASAS421A	Support users and troubleshoot desktop applications
6	J.620900.001.02	Mengidentifikasi perangkat penyusun komputer
7	J.620900.006.01	Melakukan inventarisasi <i>hardware</i>
8	J.620900.007.02	Melakukan inventarisasi <i>software</i>
9	J.620900.008.02	Memasang <i>interface card</i>
10	J.620900.009.02	Memasang <i>hard disk</i>
11	J.620900.010.02	Memasang <i>motherboard</i>
12	J.620900.011.02	Memasang <i>memory</i>
13	J.620900.012.02	Memasang <i>processor</i>
14	J.620900.013.02	Memasang <i>optical drive</i>
15	J.620900.014.02	Merawat <i>CPU</i>
16	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi

050403 DESKTOP/COMPUTER SUPPORTCOORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK506A	Configure, verify and troubleshoot WAN links and IP services in a medium enterprise network
2	ICASAS506A	Update IT system operational procedures
3	ICASAS512A	Review and manage delivery of maintenance services
4	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasi perkantoran

050404 HELP DESK COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT508A	Evaluate vendor products and equipment
2	ICANWK506A	Configure, verify and troubleshoot WAN links and IP services in a medium enterprise network
3	ICANWK532A	Identify and resolve network problems
4	ICASAS512A	Review and manage delivery of maintenance services
5	ICASAS517A	Use network tools
6	ICASAS518A	Install and upgrade operating systems
7	ICTTEN5024A	Provide consultancy and technical support in the customer premises equipment sector
8	JANCO028	Develops and maintains service level agreements with the various user departments and enterprise business units
9	JANCO030	Develops service level agreements with enterprise on-site and remote users
10	JANCO034	Directs corrective action or develops instructions to resolve system problems on production jobs
11	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
12	JANCO060	Identifies reoccurring and potential operation problems. Recommends procedures and controls for problem prevention
13	JANCO073	Investigates alternative methods to expedite problem resolution
14	JANCO077	Maintains and summarizes history records on Information Technology production problems
15	JANCO079	Maintains involvement with users on operational and production problems
16	JANCO094	Organizes all report manuals and determines computer room consumable inventory
17	JANCO099	Oversees complex operations and production problems requiring judgment and latitude for independent action
18	JANCO131	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
19	JANCO140	Supervises problem resolution
20	JANCO141	Supervises problem resolution among a variety of functional areas
21	JANCO142	Supervises the resolution of application and software system problems impacting production
22	JANCO149	Uses summary information to develop plans for future customer service levels.
23	TIK.JK01.007.01	Memberikan petunjuk teknis kepada klien

- 24 TIK.JK02.020.01 Menyiapkan dokumen teknis
- 25 TIK.JK03.003.01 Membuat penawaran pengadaan perangkat kepada vendor
- 26 TIK.JK05.002.01 Melaksanakan prosedur perawatan
- 27 TIK.SM01.008.01 Membuat laporan tertulis
- 28 TIK.SM02.006.01 Mengelola instalasi dan pemeliharaan sistem perangkat lunak
- 29 TIK.SM02.012.01 Mengelola insiden yang terjadi

050405 LEAD COMPUTER OPERATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT203A	Operate application software packages
2	ICAICT204A	Operate a digital media technology package
3	ICAICT208A	Operate accounting applications
4	ICAICT210A	Operate database applications
5	JANCO019	Delegate tasks to junior data center personnel
6	JANCO021	Determine appropriate course of action in problem situations
7	JANCO139	Supervise shift when shift supervisor is absent
8	TIK.OP02.018.01	Mengoperasikan utilitas dasar utk <i>backup, restore, data recovery</i>
9	TIK.OP03.001.01	Menjelaskan konsep dan teknik dasar pemrograman

050406 TECHNICAL SERVICES SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	BSBSUS201A	Participate in environmentally sustainable work practices
2	ICAICT103A	Use, communicate and search securely on the internet
3	ICAICT108A	Use digital literacy skills to access the internet
4	ICAICT209A	Interact with ICT clients
5	ICAICT306A	Migrate to new technology
6	ICAICT307A	Customise packaged software applications for clients
7	ICASAS209A	Connect and use a home-based local wireless network
8	PAR.UJ03.025.01	Merancang dan mengembangkan dokumen, laporan, dan lembaran kerja pada komputer
9	TIK.CS02.001.01	Merumuskan kebutuhan pengguna (<i>user requirement</i>)
10	TIK.CS02.052.01	Melakukan <i>setting</i> konfigurasi komunikasi <i>wireless</i>
11	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian komputer
12	TIK.OP02.006.01	Mengoperasikan penelusur web (<i>web browser</i>)
13	TIK.OP02.010.01	Melakukan instalasi untuk koneksi Internet
14	TIK.PR01.010.01	Menjamin integritas informasi

050407 TECHNICAL SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	BSBSUS201A	Participate in environmentally sustainable work practices
2	ICAICT201A	Use computer operating systems and hardware
3	ICAICT202A	Work and communicate effectively in an IT environment
4	ICAICT205A	Design basic organisational documents using computing packages
5	ICAICT207A	Integrate commercial computing packages
6	ICAICT302A	Install and optimise operating system software
7	ICASAS201A	Maintain inventories for equipment, software and documentation
8	J.591200.006.01	Melakukan instalasi peralatan (video player, computer dan pendukungnya)
9	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi
10	TIK.CS02.028.01	Mengkonfigurasi <i>software</i> aplikasi
11	TIK.CS02.050.01	Melakukan instalasi <i>operating system</i> jaringan
12	TIK.CS03.001.01	Melakukan instalasi, perawatan dan perbaikan menggunakan <i>remote access</i>
13	TIK.DG01.001.01	Menerapkan pengetahuan dasar desain
14	TIK.DG01.002.01	Bekerja dalam konteks organisasi desain

050408 COMPUTER OPERATIONSSPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT404A	Use online learning tools
2	ICAICT405A	Develop detailed technical design
3	ICAICT411A	Select and employ software and hardware testing tools
4	ICASAS418A	Monitor and administer security of an IT system

050409 DESKTOP/COMPUTER SUPPORTSPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT404A	Use online learning tools
2	ICAICT405A	Develop detailed technical design
3	ICAICT411A	Select and employ software and hardware testing tools
4	ICASAS418A	Monitor and administer security of an IT system

050301 OPERATOR KOMPUTER MADYA

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP02.002.01	Mengoperasikan printer
2	TIK.OP02.003.01	Mengoperasikan sistem operasi
3	TIK.OP02.006.01	Mengoperasikan penelusur web (<i>web browser</i>)
4	TIK.OP02.007.01	Mengoperasikan piranti lunak klien e-mail (<i>e-mail client</i>)
5	TIK.OP02.011.01	Mengoperasikan piranti lunak presentasi
6	TIK.OP02.012.01	Mengoperasikan piranti lunak pengolah kata – tingkat maju
7	TIK.OP02.013.01	Mengoperasikan piranti lunak lembar sebar – tingkat maju
8	TIK.OP02.014.01	Mempergunakan piranti lunak anti virus
9	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasi perkantoran

050302 OPERATOR KOMPUTER PENJAMINAN MUTU

No	Kode Unit	Nama Unit Kompetensi
1	C.120000.041.01	Menyusun rencana peningkatan sistem penjaminan mutu
2	ICAICT101A	Operate a personal computer
3	ICAICT201A	Use computer operating systems and hardware
4	ICAICT203A	Operate application software packages
5	TIK.OP02.002.01	Mengoperasikan printer
6	TIK.OP02.006.01	Mengoperasikan penelusur web (<i>web browser</i>)
7	TIK.OP02.007.01	Mengoperasikan piranti lunak klien e-mail (<i>e-mail client</i>)
8	TIK.OP02.008.01	Mengidentifikasi komponen sistem komputer tingkat dasar (<i>PC</i>)
9	TIK.OP02.012.01	Mengoperasikan piranti lunak pengolah kata – tingkat maju
10	TIK.OP02.013.01	Mengoperasikan piranti lunak lembar sebar – tingkat maju
11	TIK.OP02.014.01	Mempergunakan piranti lunak anti virus
12	TIK.OP02.015.01	Mempergunakan perangkat keras dan piranti lunak untuk memindai dokumen gambar

050303 OPERATOR KOMPUTER RANCANG BANGUN

No	Kode Unit	Nama Unit Kompetensi
1	LSPK.OPDRB01.0	Menafsirkan gambar (<i>sketsa brief</i>) teknis
2	LSPK.OPDRB02.0	Mengoperasikan piranti lunak desain rancang bangun CAD
3	LSPK.OPDRB03.0	Menghasilkan gambar desain rancang bangun
4	TIK.OP02.001.01	Mengoperasikan komputer personal yang berdiri sendiri (<i>PC stand alone</i>)
5	TIK.OP02.002.01	Mengoperasikan printer
6	TIK.OP02.003.01	Mengoperasikan sistem operasi

050304 OPERATOR KOMPUTER QUANTITY SURVEYOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT101A	Operate a personal computer
2	ICAICT201A	Use computer operating systems and hardware
3	LSPK.OPDS01.01	Mengidentifikasi data statistik
4	LSPK.OPDS02.01	Mengidentifikasi dan mengolah fungsi pemodelan statistik
5	LSPK.OPDS03.01	Mengoperasikan piranti lunak data statistik
6	TIK.OP02.002.01	Mengoperasikan printer
7	TIK.OP02.006.01	Mengoperasikan penelusur web (<i>web browser</i>)
8	TIK.OP02.007.01	Mengoperasikan piranti lunak klien e-mail (<i>e-mail client</i>)
9	TIK.OP02.008.01	Mengidentifikasi komponen sistem komputer tingkat dasar (<i>PC</i>)
10	TIK.OP02.012.01	Mengoperasikan piranti lunak pengolah kata – tingkat maju
11	TIK.OP02.013.01	Mengoperasikan piranti lunak lembar sebar – tingkat maju
12	TIK.OP02.014.01	Mempergunakan piranti lunak anti virus
13	TIK.OP02.015.01	Mempergunakan perangkat keras dan piranti lunak untuk memindai dokumen gambar

050305 OPERATOR KOMPUTER KEPENDUDUKAN

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT101A	Operate a personal computer
2	ICAICT201A	Use computer operating systems and hardware
3	LSPK.OPDS03.01	Mengoperasikan Piranti Lunak Data Statistik (SK)
4	TIK.OP02.002.01	Mengoperasikan Printer
5	TIK.OP02.006.01	Mengoperasikan Penelusur Web (Web Browser)
6	TIK.OP02.007.01	Mengoperasikan piranti lunak klien e-mail (<i>e-mail client</i>)
7	TIK.OP02.008.01	Mengidentifikasi komponen sistem komputer tingkat dasar (<i>PC</i>)
8	TIK.OP02.012.01	Mengoperasikan piranti lunak pengolah kata – tingkat maju
9	TIK.OP02.013.01	Mengoperasikan piranti lunak lembar sebar – tingkat maju
10	TIK.OP02.014.01	Mempergunakan piranti lunak anti virus
11	TIK.OP02.015.01	Mempergunakan perangkat keras dan piranti lunak untuk memindai dokumen gambar

050306 OPERATOR KOMPUTER OLAH DATA STATISTIK

No	Kode Unit	Nama Unit Kompetensi
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- | | | |
|---|-----------------|--|
| 1 | LSPK.OPDS01.01 | Mengidentifikasi data statistik |
| 2 | LSPK.OPDS02.01 | Mengidentifikasi dan mengolah Fungsi Pemodelan Statistik (SK) |
| 3 | LSPK.OPDS03.01 | Mengoperasikan Perangkat Lunak Data Statistik (SK) |
| 4 | TIK.OP02.001.01 | Mengoperasikan komputer personal yang berdiri sendiri (PC stand alone) |
| 5 | TIK.OP02.003.01 | Mengoperasikan sistem operasi |
| 6 | TIK.OP02.013.01 | Mengoperasikan perangkat lunak lembar sebar – tingkat maju |

050307 ADVANCE OFFICE OPERATOR

No	Kode Unit	Nama Unit Kompetensi
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- | | | |
|---|-----------------|---|
| 1 | TIK.OP02.007.01 | Mengoperasikan perangkat lunak klien e-mail (e-mail client) |
| 2 | TIK.OP02.011.01 | Mengoperasikan perangkat lunak presentasi |
| 3 | TIK.OP02.012.01 | Mengoperasikan perangkat lunak pengolah kata – tingkat maju |
| 4 | TIK.OP02.013.01 | Mengoperasikan perangkat lunak lembar sebar – tingkat maju |
| 5 | TIK.OP02.016.01 | Melakukan konversi data dari berbagai aplikasi perkantoran |
| 6 | TIK.OP03.002.01 | Mengoperasikan dasar-dasar basis data (data base) |

050308 HELP DESK SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
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- | | | |
|----|-----------------|---|
| 1 | ICAICT303A | Connect internal hardware components |
| 2 | ICASAS202A | Apply problem-solving techniques to routine IT malfunctions |
| 3 | ICASAS206A | Detect and protect from spam and destructive software |
| 4 | ICASAS420A | Provide first-level remote help-desk support |
| 5 | ICASAS421A | Support users and troubleshoot desktop applications |
| 6 | J.620900.001.02 | Mengidentifikasi Perangkat Penyusun Komputer |
| 7 | J.620900.006.01 | Melakukan Inventarisasi Hardware |
| 8 | J.620900.007.02 | Melakukan Inventarisasi Software |
| 9 | J.620900.008.02 | Memasang Interface Card |
| 10 | J.620900.026.02 | Melakukan Instalasi Software Aplikasi |

050309 DESKTOP SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT203A	Operate application software packages
2	ICAICT204A	Operate a digital media technology package
3	JANCO024	Develop PC training programs and curriculum commensurate with needs.
4	JANCO107	Plan and coordinate PC hardware and software purchase and implementation.
5	JANCO134	Resolve problems directly with client PC hardware and software.
6	JANCO154	Work with PC users within the enterprise and with external microcomputer vendors.
7	TIK.MM02.043.0	Mengoperasikan clapperboard
8	TIK.OP02.017.01	Melakukan penanganan awal (Troubleshooting) atas masalah pada PC
9	TIK.OP02.019.01	Mengoperasikan Piranti Lunak pengolah gambar vektor

050310 WORD PROCESSING LEAD OPERATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO095	Oversee and Coordinate Word Processing Center Operators
2	JANCO096	Oversee and coordinate word processing center operators.
3	TIK.OP02.003.01	Mengoperasikan sistem operasi
4	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (spreadsheet) – tingkat dasar
5	TIK.TS03.027.01	Mengoperasikan Perangkat Stasiun Bumi

050311 COMPUTER REPAIR TECHNICIAN

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT303A	Connect internal hardware components
2	ICASAS202A	Apply problem-solving techniques to routine IT malfunctions
3	ICASAS419A	Support system software
4	ICASAS421A	Support users and troubleshoot desktop applications
5	J.620900.001.02	Mengidentifikasi Perangkat Penyusun Komputer
6	J.620900.006.01	Melakukan Inventarisasi Hardware
7	J.620900.007.02	Melakukan Inventarisasi Software
8	J.620900.009.02	Memasang Hard Disk
9	J.620900.026.02	Melakukan Instalasi Software Aplikasi

050312 DESKTOP TECHNICIAN

No	Kode Unit	Nama Unit Kompetensi
1	BSBWOR301B	Organise personal work priorities and development
2	ICAICT101A	Operate a personal computer
3	ICAICT107A	Use personal productivity tools
4	ICAICT203A	Operate application software packages
5	ICANWK505A	Design, build and test a network server
6	ICAPRG505A	Build advanced user interface
7	J.620900.026.02	Melakukan Instalasi Software Aplikasi
8	PAR.UJ03.025.01	Merancang dan mengembangkan dokumen, laporan, dan lembaran kerja pada komputer
9	TIK.DG01.004.01	Mengoperasikan perangkat lunak desain grafis
10	TIK.JK02.016.01	Mendesain dan membangun server
11	TIK.OP02.008.01	Mengidentifikasi komponen sistem komputer tingkat dasar (PC)
12	TIK.OP02.009.01	Mengoperasikan PC yang terhubung pada jaringan komputer lokal
13	TIK.SM01.009.01	Memberikan petunjuk teknis kepada pelanggan

050201 OPERATOR KOMPUTER MUDA

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP01.001.01	Mengetik pada papan ketik (<i>keyboard</i>) standar
2	TIK.OP02.001.01	Mengoperasikan komputer personal yang berdiri sendiri (PC <i>stand alone</i>)
3	TIK.OP02.002.01	Mengoperasikan printer
4	TIK.OP02.003.01	Mengoperasikan sistem operasi
5	TIK.OP02.004.01	Mengoperasikan piranti lunak pengolah kata (<i>word processor</i>) – tingkat dasar
6	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (<i>spreadsheet</i>) – tingkat dasar
7	TIK.OP02.011.01	Mengoperasikan piranti lunak presentasi

050202 SENIOR OFFICE OPERATOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP01.002.01	Mengidentifikasi aspek kode etik dan HAKI dibidang TIK
2	TIK.OP01.003.01	Mendeskripsikan kewaspadaan terhadap keamanan informasi
3	TIK.OP01.004.01	Mengidentifikasi sistem dan prosedur pengelolaan infrastruktur komputer
4	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian komputer
5	TIK.OP02.006.01	Mengoperasikan penelusur web (<i>web browser</i>)
6	TIK.OP02.007.01	Mengoperasikan piranti lunak klien <i>e-mail (client e-mail)</i>
7	TIK.OP02.008.01	Mengidentifikasi komponen sistem komputer tingkat dasar (PC)
8	TIK.OP02.009.01	Mengoperasikan PC yang terhubung pada jaringan komputer lokal
9	TIK.OP02.010.01	Melakukan instalasi untuk koneksi internet
10	TIK.OP02.011.01	Mengoperasikan piranti lunak presentasi
11	TIK.OP02.012.01	Mengoperasikan piranti lunak pengolah kata – tingkat maju
12	TIK.OP02.013.01	Mengoperasikan piranti lunak lembar sebar – tingkat maju
13	TIK.OP02.014.01	Mempergunakan piranti lunak anti virus
14	TIK.OP02.015.01	Mempergunakan perangkat keras dan piranti lunak untuk memindai dokumen gambar

050203 HELPDESK

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT303A	Connect internal hardware components
2	ICASAS202A	Apply problem-solving techniques to routine IT malfunctions
3	ICASAS421A	Support users and troubleshoot desktop applications
4	J.620900.001.02	Mengidentifikasi perangkat penyusun komputer
5	J.620900.006.01	Melakukan inventarisasi <i>hardware</i>
6	J.620900.007.02	Melakukan inventarisasi <i>software</i>
7	J.620900.008.02	Memasang <i>interface card</i>
8	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi

050204 WORD PROCESSING OPERATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO044	Edit for correct grammar, spelling and format
2	JANCO147	Type data and text
3	TIK.OP02.003.01	Mengoperasikan sistem operasi
4	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (<i>spreadsheet</i>) – tingkat dasar
5	TIK.OP02.015.01	Mempergunakan perangkat keras dan piranti lunak untuk memindai dokumen gambar

050205 COMPUTER OPERATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO093	Operate computer equipment.
2	TIK.FO02.012.01	Mengoperasikan PC yang terhubung pada jaringan komputer lokal
3	TIK.OP02.003.01	Mengoperasikan sistem operasi
4	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (<i>spreadsheet</i>) – tingkat dasar
5	TIK.OP02.007.01	Mengoperasikan piranti lunak klien e-mail (<i>client e-mail</i>)
6	TIK.OP02.015.01	Mempergunakan perangkat keras dan piranti lunak untuk memindai dokumen gambar
7	TIK.TS03.002.01	<i>Commanding</i> ke Satelit

050101 JUNIOR OFFICE OPERATOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP02.002.01	Mengoperasikan <i>printer</i>
2	TIK.OP02.004.01	Mengoperasikan piranti lunak pengolah kata (<i>word processor</i>) – tingkat dasar
3	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (<i>spreadsheet</i>) – tingkat dasar
4	TIK.OP02.006.01	Mengoperasikan penelusur web (<i>web browser</i>)
5	TIK.OP02.007.01	Mengoperasikan piranti lunak klien e-mail (<i>client e-mail</i>)
6	TIK.OP02.011.01	Mengoperasikan piranti lunak presentasi
7	TIK.OP02.014.01	Mempergunakan piranti lunak anti virus
8	TIK.OP02.015.01	Mempergunakan perangkat keras dan piranti lunak untuk memindai dokumen gambar
9	TIK.OP03.002.01	Mengoperasikan dasar-dasar basis data (<i>database</i>)

050102 BASIC OFFICE OPERATOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP02.004.01	Mengoperasikan piranti lunak pengolah kata (<i>word processor</i>) – tingkat dasar
2	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (<i>spreadsheet</i>) – tingkat dasar
3	TIK.OP02.011.01	Mengoperasikan piranti lunak presentasi

050103 COMPUTER TECHNICIANCLERK

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT101A	Operate a personal computer
2	ICAICT201A	Use computer operating systems and hardware
3	J.620900.002.02	Mengidentifikasi spesifikasi perangkat komputer
4	J.620900.006.01	Melakukan inventarisasi <i>hardware</i>
5	J.620900.007.02	Melakukan inventarisasi <i>software</i>
6	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi

050104 ASISTEN OPERATOR KOMPUTER (COMPUTER OPERATOR ASSISTANT)

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT101A	Operate a personal computer
2	ICAICT201A	Use computer operating systems and hardware
3	TIK.OP01.001.01	Mengetik pada papan ketik (<i>keyboard</i>) standar
4	TIK.OP02.001.01	Mengoperasikan komputer personal yang berdiri sendiri (<i>PC standalone</i>)
5	TIK.OP02.003.01	Mengoperasikan sistem operasi
6	TIK.OP02.004.01	Mengoperasikan piranti lunak pengolah kata (<i>word processor</i>) – tingkat dasar
7	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (<i>spreadsheet</i>) – tingkat dasar
8	TIK.OP02.006.01	Mengoperasikan penelusur web (<i>web browser</i>)
9	TIK.OP02.007.01	Mengoperasikan piranti lunak klien <i>e-mail</i> (<i>client e-mail</i>)

050105 PRINT OPERATOR

No	Kode Unit	Nama Unit Kompetensi
1	C.102210.049.02	Mengoperasionalkan mesin <i>ink jet printer</i>
2	ICAICT101A	Operate a personal computer
3	ICAICT201A	Use computer operating systems and hardware
4	J.620900.016.02	Merawat <i>peripheral</i>
5	TIK.CS02.019.01	Melakukan instalasi <i>driver printer</i>
6	TIK.OP02.002.01	Mengoperasikan <i>printer</i>

06 INFORMATION SYSTEM AND TECHNOLOGY DEVELOPMENT

060901 CHIEF TECHNOLOGY OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	BSBINN801	Lead innovative thinking and practice
2	BSBLDR803	Develop and cultivate collaborative partnerships and relationships
3	ICTICT801	Lead research into identifying new marketplace opportunities
4	ICTICT802	Direct ICT services
5	ICTSUS802	Conduct a business case study for integrating sustainability in ICT planning and design projects
6	ICTSUS804	Use ICT to improve sustainability outcomes
7	ICTSUS805	Manage improvements in ICT sustainability
8	ICTSUS806	Lead applied research in ICT sustainability
9	ICTTEN804	Manage end to end architectural solutions across multiple domains
10	ICTTEN805	Manage solution architecture and impacts in line with organisational processes

060902 INFORMATION SYSTEM DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT702A	Direct ICT services
2	ICAICT704A	Direct ICT in a supply chain
3	ICAICT705A	Direct ICT procurement
4	ICAICT706A	Direct outsourced ICT services

060801 VICE PRESIDENT INFORMATION SERVICES

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT701A	Lead research into identifying new marketplace opportunities
2	ICAICT703A	Endorse business plan components for a new initiative
3	ICAICT707A	Direct research and business response to new ICT technology
4	ICAICT708A	Direct the development of a knowledge management strategy for a business
5	TIK.SM03.003.01	Menyediakan tim operasional pendukung sistem
6	TIK.SM03.004.01	Menetapkan standar otorisasi akses di dalam organisasi
7	TIK.SM03.005.01	Menetapkan manajemen eskalasi terhadap permasalahan
8	TIK.SM03.007.01	Menyediakan manajemen teknis dari operasional teknologi informasi
9	TIK.SM03.008.01	Mengelola aspek keuangan dalam sistem pelayanan teknologi informasi

060701 INFORMATION ARCHITECTURE MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT603A	Manage the use of appropriate development methodologies
2	ICASAD602A	Conduct knowledge audits
3	ICTTEN5201A	Install, configure and test a server
4	ICTTEN5203A	Dimension and design a radio frequency identification system
5	ICTTEN5217A	Plan a wireless mesh network
6	TIK.JK03.012.01	Melakukan audit pre-intalasi untuk instalasi perangkat lunak
7	TIK.JK04.005.01	Meng- <i>install</i> (melakukan pemasangan/instalasi) dan memelihara proses pembuktian keaslian (<i>authentication</i>)
8	TIK.SM01.010.01	Menjamin integritas informasi
9	TIK.SM02.006.01	Mengelola instalasi dan pemeliharaan sistem perangkat lunak
10	TIK.SM03.002.01	Menentukan arsitektur perangkat lunak

060702 BUSINESS DEVELOPMENT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT604A	Identify and implement business innovation
2	ICAICT605A	Implement a knowledge management strategy
3	ICAICT608A	Interact with clients on a business level
4	ICASAD605A	Elicit IT requirements
5	ICASAD606A	Analyse stakeholder requirements
6	KOM.PR01.009.0	Melaksanakan prinsip-prinsip tata kelola organisasi yang baik (good governance)
7	TIK.SM02.003.01	Menyediakan layanan berdasarkan tingkat tertentu

060703 AVAILABILITY/AUTOMATED OPERATIONS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAPMG609A	Plan and direct complex IT projects
2	ICTICT514	Identify and manage the implementation of current industry specific technologies

060704 PRODUCTION SUPPORTMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	BSBMGT608C	Manage innovation and continuous improvement
2	ICAICT602A	Develop contracts and manage contracted performance
3	ICAICT604A	Identify and implement business innovation
4	ICASAS601A	Implement change-management processes
5	KOM.PR02.039.0	Melakukan komunikasi dengan kelompok tertentu
6	KOM.PR03.005.0	Mengelola tim dan staf
7	KOM.PR03.006.0	Memonitor kinerja staf
8	TIK.JK04.005.01	Meng- <i>install</i> (melakukan pemasangan/instalasi) dan memelihara proses pembuktian keaslian (<i>authentication</i>)
9	TIK.SM01.004.01	Melakukan komunikasi di tempat kerja
10	TIK.SM02.009.01	Memberikan pelayanan produk-produk teknologi informasi sesuai kebutuhan bisnis
11	TIK.TS01.003.01	Mengusahakan pencapaian hasil dengan sebaik baiknya (<i>achievement</i>)

060705 PROPERTY MANAGEMENTMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS602A	Develop a knowledge management strategy
2	ICAICT602A	Develop contracts and manage contracted performance
3	TIK.SM02.005.01	Mengendalikan aset dan seluruh sumber daya pelayanan TI

060706 INFORMATION SYSTEMSMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICTNPL404	Evaluate the planning requirements for provisioning a telecommunications building facility
2	ICTOPN401	Install and test a dense wavelength division multiplexing system

060601 IT PLANNING ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
2	JANCO059	Identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding preservation and proper use of enterprise assets and futu
3	JANCO360	Answer questions from customers and the public about products or services
4	JANCO364	Assumes additional responsibilities as assigned by the Director IT Planning
5	JANCO367	Conducts meetings on all levels of management for purposes of

		planning presentations, budget reviews, approvals of recommendations, etc.
6	JANCO389	Develops and maintains operating procedures and standards
7	JANCO394	Directs the activities of the Forms/Graphic Designer and departmental secretarial support in maintaining an effective user-support relationship
8	JANCO459	Provides assistance as required to organizations outside of the enterprise
9	JANCO472	Serves as a consultant to the enterprise in work measurement

060602 SENIOR SYSTEMS ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT403A	Apply software development methodologies
2	ICAICT413A	Relate to clients on a business level
3	ICANWK419A	Identify and use current virtualisation technologies
4	ICASAS414A	Evaluate system status
5	ICAWEB421A	Ensure website content meets technical protocols and standards
6	ICAWEB422A	Ensure website access and useability
7	ICAWEB423A	Ensure dynamic website security
8	TIK.JK03.009.01	Melakukan analisa teknologi baru

060603 INFORMATION SYSTEMS GENERALIST

No	Kode Unit	Nama Unit Kompetensi
1.	J.620900.003.02	Merumuskan kebutuhan pengguna
2.	J.620900.004.02	Merancang spesifikasi sesuai dengan fungsi dan kebutuhan pengguna
3.	J.620900.025.02	Melakukan instalasi sistem operasi
4.	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi
5.	J.620900.008.02	Memasang <i>interface card</i>
6.	J.620900.009.02	Memasang <i>hard disk</i>
7.	J.620900.010.02	Memasang <i>motherboard</i>
8.	J.620900.011.02	Memasang memory
9.	J.620900.012.02	Memasang prosesor
10.	J.620900.013.02	Memasang <i>optical drive</i>
11.	J.620900.014.02	Merawat CPU
12.	J.620900.015.02	Merawat <i>hard disk</i>
13.	J.620900.016.02	Merawat <i>peripheral</i>
14.	J.620900.017.02	Memperbaiki CPU
15.	J.620900.018.02	Memperbaiki <i>keyboard</i>
16.	J.620900.019.02	Memperbaiki <i>optical drive</i>

17. J.620900.020.02 Memperbaiki monitor
18. J.620900.021.02 Memperbaiki *printer*
19. J.620900.022.01 Memperbaiki *scanner*
20. J.620900.023.01 Memperbaiki proyektor
21. J.620900.024.02 Melakukan *setting* BIOS

060604 INFORMATION TECHNOLOGY ASSOCIATE

No	Kode Unit	Nama Unit Kompetensi
1	JANCO003	Adheres to all established enterprise, division and departmental policies, standards and procedures
2	JANCO420	Learn the assigned department's functions, organization and role within Information Technology
3	JANCO440	Managing complex systems and solutions via integration of a broad spectrum of individual hardware and software technologies
4	JANCO445	Participate in team activities to the extent required by the assignment
5	JANCO450	Perform all responsibilities within the guidelines of corporate policies and directives at or above the enterprise's performance and evaluation standards
6	JANCO451	Perform at or above company performance standards as established within the department
7	JANCO452	Performing analysis, planning, accounting, budgeting, reporting, coordinating, software engineering and other business processes
8	JANCO453	Performs all responsibilities within the guidelines of enterprise policies and directives at or above the enterprise's performance and evaluation standard
9	JANCO482	Understanding of the customer functional areas and their relationships with Information Technology for each of the assigned departments
10	JANCO483	Understanding of the various functional activities performed within Information Technology

060605 SYSTEMS ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT410A	Conduct post-implementation IT system reviews
2	ICTSAD401	Develop and present feasibility reports
3	ICTSAD506	Produce a feasibility report
4	BSBPMG522	Undertake project work

060606 PCI-DSS ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO052	Fulfills departmental requirements in terms of providing work coverage

		and administrative notification during periods of personnel
2	JANCO059	Identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding preservation and proper use of enterprise assets and future
3	JANCO104	Performs at or above enterprise performance standards as established within the department
4	JANCO176	Performs enterprise systems PCI-DSS software management and maintenance.
5	JANCO358	Administers and coordinates all PCI-DSS web activities
6	JANCO361	Assessment of advanced enterprise operating systems and new enterprise systems technology
7	JANCO366	Completes PCI-DSS questionnaires
8	JANCO368	Conducts quarterly compliance reviews
9	JANCO381	Creates reports to management on status of compliance and communication compliance violations as soon as they are discovered.
10	JANCO382	Daily reviews PCI-DSS network compliance exceptions
11	JANCO386	develop applications development to support development of PCI-DSS compliance programs which interface with enterprise technical systems
12	JANCO391	Develops custom programs to be used by enterprise systems hardware/software
13	JANCO454	Performs PCI-DSS compliance audits
14	JANCO481	Trains key person in the functions of installed PCI-DSS software

060607 PROCUREMENT ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO003	Adheres to all established enterprise, division and departmental policies, standards and procedures
2	JANCO105	Performs at or above the enterprise's Information Technology performance standard
3	JANCO421	Learns user functions, organization and role in the company to the extent required
4	JANCO442	Negotiates with suppliers for acquisition of computer hardware and software on terms and conditions in the best interest of the enterprise.
5	JANCO444	Oversees maintenance of accurate record keeping and tracking of procurement documents and computer contracts to assure responsive information retrieval to customer status requests
6	JANCO457	Prepares procurement documents and administers the procurement life cycle
7	JANCO466	Provides point of contact for customer's inquiries regarding procurement of computer hardware and software
8	JANCO500	Works with requester to provide contractual technical terms and conditions for inclusion in the Request for Quotation (RFQ) that document the requirements of the requester

060501 INFORMATION SYSTEMS SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO369	Coordinates activities to ensure information management remain compliant with each of the requirements
2	JANCO374	Coordinates operations and integrates service within the work unit and with other departments
3	JANCO396	Ensures system alignment with the information lifecycle.
4	JANCO410	Helps business operations groups utilize information systems to improve their efficiency
5	JANCO418	Keeps computer equipment, hardware, and software updated to meet organizational needs
6	JANCO428	Maintains appropriate quality reviews
7	JANCO438	Manages Individual(s) including but not limited, to hires, trains, assigns work, manages and evaluates performance, conducts professional development plans.
8	JANCO441	may participate in the development of department staffing, revenue and expense budgets and having direct responsibility for adhering to the goals.
9	JANCO464	Provides leadership to other programs as assigned
10	JANCO476	Supervises employees of the information technology department in accordance with organizational policies and goals.

060502 INFORMATION MANAGEMENTS SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO356	Conforms to the record management policy
2	JANCO539	Implements the record destruction policy.
3	JANCO551	Maintains a system of labeling removable media which facilitates quick and efficient identification and retrieval.
4	JANCO552	Maintains a system of storing removable media which insures back-up data protection for disaster recovery procedures. The stored media must also ability to be identified and secured quickly and efficiently if needed for reloading
5	JANCO563	Manages the systems that provide the primary inventory of all removable media for the IT function.
6	JANCO569	Mounts, dismounts, labels, and monitors removable media and silo unit operations for the data center.
7	JANCO578	Performs simple periodic maintenance on removable media units, such as cleaning the read/write heads, with appropriate procedures
8	JANCO600	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
9	JANCO601	Reports any malfunctioning removable media unit to the shift supervisor and files appropriate trouble management system (TMS) reports.

060503 SUPERVISOR POS

No	Kode Unit	Nama Unit Kompetensi
1	JANCO362	Assists in determining problems with main office and warehouse computer systems and monitors problems resolution activities
2	JANCO371	Coordinates compliance to the PCI-DSS requirements of all field equipment
3	JANCO377	Coordinates the ongoing maintenance of electric order entry equipment
4	JANCO378	Coordinates the ongoing maintenance of enterprise telecommunication systems
5	JANCO379	Coordinates the ongoing maintenance of POS equipment including vendor interface
6	JANCO385	Determines problems and takes appropriate actions to resolve the problems
7	JANCO486	Validates compliance to the enterprise record management policy

060504 SUPERVISOR POSTRAINING

No	Kode Unit	Nama Unit Kompetensi
1	JANCO059	Identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding preservation and proper use of enterprise assets and future
2	JANCO387	Develop Schedules external training for operations
3	JANCO390	Develops and coordinate technical training seminars to improve overall employee awareness at the enterprise
4	JANCO437	Manages and directs all systems training
5	JANCO460	Provides back-up to the technical support and help desk functions
6	JANCO474	Serves as trainer on any new system roll out
7	JANCO504	Oversees the preparation of an updating of enterprise systems technical and training documentation

060505 PRODUCTION SERVICE SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO028	Develops and maintains service level agreements with the various user departments and enterprise business units
2	JANCO131	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
3	JANCO413	Insures the accuracy and timeliness of information put into the trouble management systems (TMS).
4	JANCO414	Insures the accuracy of all information entered into the production scheduling systems
5	JANCO415	Insures the accuracy of all information put into the report distribution database.
6	JANCO416	Insures the accuracy of batch job documentation prior to implementation into production
7	JANCO477	Supervises the day-to-day activities of the production control specialists and computer print operators
8	JANCO484	Understands the critical processing cycles in detail

060401 RECORD MANAGEMENT COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO359	advises departments on the proper procedures for preserving, storing, retrieving, retaining, and destroying records in accordance with established policies.
2	JANCO363	Assists with daily operations and performs office duties as necessary.
3	JANCO373	Coordinates microfilming of records by vendors and other work related to records maintenance
4	JANCO376	Coordinates the installation, modification and updating of computerized record systems
5	JANCO384	Designs, maintains, and updates storage areas to insure the most effective use of space.
6	JANCO393	Diagnoses and resolves computerized filing system problems through consultation with the appropriate enterprise contacts and outside vendors.
7	JANCO397	Establishes procedures for data entry, for data integrity and for indexing, tracking and retrieving records.
8	JANCO401	Establishes, maintains, and updates complex computerized data base programs and manual filing systems for centralized enterpriserecords
9	JANCO430	Maintains vital records program, and updates and maintains records retention program
10	JANCO443	Operates document imaging equipment, microfilm reader/printers, loadlifters, computers and printers.
11	JANCO462	Provides documents, IT facilities and information to enterprise personnel and the general public, and researches requested information as necessary.
12	JANCO467	Receives, indexes, enters, stores, retrieves, films, and destroys records in keeping with enterprise policies
13	JANCO478	Supervises, trains and works with subordinate staff in maintaining IT facilities, and keeps IT facilities of work performed.
14	JANCO503	Develops procedures and standards for the archiving and retention of historical records and documents

060402 GREEN IT MANAGEMENT COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBSUS201A	Participate in environmentally sustainable work practices
2	BSBSUS401	Implement and monitor environmentally sustainable work practices
3	ICTSUS805	Manage improvements in ICT sustainability

060403 INFORMATION MANAGEMENT COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO424	Maintain effective working relationships with computer center staff
2	JANCO432	Manage input and output of computerized data
3	JANCO433	Manage microcomputers and peripherals and their applications
4	JANCO434	Manage of microcomputer hardware and software in a local area network environment
5	JANCO435	Manage of telecommunication procedures
6	JANCO501	Ability to prepare written materials and reports
7	JANCO502	Ability to train user personnel in the operation and application of new, modified or expanded software applications

060301 INFORMATION MANAGEMENT STAFF

No	Kode Unit	Nama Unit Kompetensi
1	JANCO423	Maintain Document information management
2	JANCO425	Maintain process incoming and outgoing correspondence, assist with electronic conversion of documents
3	JANCO426	Maintain process the archiving and disposal of records in
4	JANCO448	Participate in the development, implementation and review of information management needs and solutions

060201 INFORMATION SYSTEM AND TECHNOLOGY ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO402	Establishing system access and security procedures
2	JANCO431	Manage an organisation's IT systems to ensure they operate effectively and efficiently
3	JANCO436	Manage regular data backups
4	JANCO480	Testing new equipment and training other staff members
5	JANCO485	Updating software and equipment

060101 INFORMATION MANAGEMENT CLERK

No	Kode Unit	Nama Unit Kompetensi
1	JANCO360	Answer questions from customers and the public about products or services
2	JANCO365	Collect and record data from customers, staff, and the public
3	JANCO403	Filing paper or electronic records and information
4	JANCO422	Maintain and update records
5	JANCO456	Prepare routine office correspondence, reports, claims, bills, or orders

07 IT GOVERNANCE AND MANAGEMENT

070901 CHIEF INFORMATION OFFICER(CIO)

No	Kode Unit	Nama Unit Kompetensi
1	ICTICT808	Direct the development of a knowledge management strategy for a business
2	ICTICT810	Synchronize ICT projects
3	ICTICT811	Manage an information architecture project
4	ICTICT812	Develop a business intelligence framework
5	ICTRFN803	Analyze a satellite communications system

070902 CHIEF TECHNOLOGY OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	BSBINN801	Lead innovative thinking and practice
2	BSBLDR803	Develop and cultivate collaborative partnerships and relationships
3	ICTICT801	Lead research into identifying new marketplace opportunities
4	ICTICT802	Direct ICT services
5	ICTSUS802	Conduct a business case study for integrating sustainability in ICT planning and design projects
6	ICTSUS804	Use ICT to improve sustainability outcomes
7	ICTSUS805	Manage improvements in ICT sustainability
8	ICTSUS806	Lead applied research in ICT sustainability
9	ICTTEN804	Manage end to end architectural solutions across multiple domains
10	ICTTEN805	Manage solution architecture and impacts in line with organizational processes

070903 INFORMATION TECHNOLOGYDIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT702A	Direct ICT services
2	ICAICT704A	Direct ICT in a supply chain
3	ICAICT707A	Direct research and business response to new ICT technology
4	ICAICT708A	Direct the development of a knowledge management strategy for a business
5	ICAICT711A	Manage an information architecture project
6	ICAICT712A	Develop a business intelligence framework
7	ICASUS702A	Conduct a business case study for integrating sustainability in IT planning and design projects
8	ICTICT801	Lead research into identifying new marketplace opportunities
9	ICTICT802	Direct ICT services
10	ICTICT807	Direct research and business response to new ICT technology
11	ICTICT813	Manage ICT services
12	ICTSUS7235A	Use ICT to improve sustainability outcomes
13	J.612000.031.01	Mengembangkan Strategi Perencanaan untuk Desain Jaringan Terpadu
14	KOM.PR01.009.0	Melaksanakan prinsip-prinsip tata kelola organisasi yang baik (good governance)
15	KOM.PR02.040.0	Memberikan sosialisasi dan edukasi stakeholders
16	TIK.SM01.006.01	Mengelola Pekerjaan Dalam Proyek TI
17	TIK.SM01.010.01	Menjamin Integritas Informasi
18	TIK.SM02.001.01	Mengelola Kemampuan Dan Fungsionalitas Dari Seluruh Komponen TI
19	TIK.SM02.002.01	Meningkatkan Aspek Ketersediaan Dalam Layanan TI
20	TIK.SM02.004.01	Memberikan Pelayanan TI Sesuai Dengan Bisnis Yang Dijalankan
21	TIK.SM02.011.01	Menetapkan Resolusi Dan Masalah Terhadap Seluruh Aktivitas Seluruh Siklus Hidup TI

070801 VICE PRESIDENT HUMANRESOURCES

No	Kode Unit	Nama Unit Kompetensi
1	ICTSMB402	Operate a contractor business with employees
2	BSBFIM501	Manage budgets and financial plans
3	FNSORG506	Prepare financial forecasts and projections
4	M.702090.006.01	Mengelola Sumberdaya Manusia Proyek (Project Human Resource Managment)
5	JANCO	Directing a variety of projects in addition to an understanding of the ways in which information technology can be applied within the enterprise

070802 IT DEPLOYMENT DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT711A	Manage an information architecture project
2	ICAICT713A	Manage IT services

070803 IT PLANNING DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT702A	Direct ICT services
2	ICAICT704A	Direct ICT in a supply chain
3	ICAICT705A	Direct ICT procurement
4	ICAICT710A	Synchronize IT projects
5	ICASUS701A	Plan and manage virtualisation for IT sustainability
6	ICTICT801	Lead research into identifying new marketplace opportunities
7	ICTSUS805	Manage improvements in ICT sustainability
8	ICTTEN804	Manage end to end architectural solutions across multiple domains
9	ICTTEN805	Manage solution architecture and impacts in line with organisational processes

070701 DISASTER RECOVERYMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS602A	Develop a knowledge management strategy
2	ICANWK601A	Design and implement a security system
3	ICANWK602A	Plan, configure and test advanced server based security
4	ICANWK608A	Configure network devices for a secure network infrastructure
5	ICANWK613A	Develop plans to manage structured troubleshooting process of enterprise networks
6	ICANWK614A	Manage IT security
7	ICAPMG607A	Manage and control IT project risks
8	JANCO468	Requires minimal supervision and guidance.
9	TIK.JK04.003.01	Mengevaluasi status sistem
10	TIK.JK04.004.01	Memonitor dan mengadministrasi keamanan sistem
11	TIK.JK05.007.01	Menyiapkan rencana pemulihan pada saat ada kerusakan fatal
12	TIK.SM02.012.01	Mengelola Insiden Yang Terjadi

070702 DISASTER RECOVERY AND BUSINESS CONTINUITY MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	ICANWK601A	Design and implement a security system
3	ICANWK602A	Plan, configure and test advanced server based security
4	ICANWK603A	Plan, configure and test advanced internetwork routing solutions
5	ICANWK613A	Develop plans to manage structured troubleshooting process of enterprise networks
6	ICANWK614A	Manage IT security
7	ICASAD607A	Manage assessment and validation of IT solutions
8	TIK.JK03.006.01	Mengembangkan dan melakukan uji penerimaan (acceptance test)
9	TIK.JK04.003.01	Mengevaluasi status sistem
10	TIK.JK05.005.01	Melakukan deteksi dan mengatasi masalah di jaringan
11	TIK.JK05.007.01	Menyiapkan rencana pemulihan pada saat ada kerusakan fatal

070703 TRAINING AND DOCUMENTATION MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	ICAPMG602A	Manage IT project initiation
3	ICAPMG603A	Manage IT project planning
4	ICAPMG604A	Manage IT project delivery
5	ICAPMG606A	Manage IT project quality
6	ICAPMG608A	Manage IT project systems implementation

070704 RE-ENGINEERING MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT604A	Identify and implement business innovation
2	ICAICT605A	Implement a knowledge management strategy
3	ICAICT606A	Develop communities of practice
4	ICAICT608A	Interact with clients on a business level
5	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
6	ICANWK601A	Design and implement a security system
7	ICAPMG606A	Manage IT project quality
8	TIK.SM01.005.01	Melaksanakan Dan Menjaga Etika Profesi
9	TIK.SM01.010.01	Menjamin Integritas Informasi

No	Kode Unit	Nama Unit Kompetensi
10	TIK.SM02.004.01	Memberikan Pelayanan TI Sesuai Dengan Bisnis Yang Dijalankan
11	TIK.SM02.007.01	Mengatur Otorisasi Akses Teknologi Informasi
12	TIK.SM03.003.01	Menyediakan Tim Operasional Pendukung Sistem
13	TIK.SM03.004.01	Menetapkan Standar Otorisasi Akses Di Dalam Organisasi
14	TIK.SM03.006.01	Memantau Pelayanan Prosedur Tingkat Layanan

070705 IT HUMAN RESOURCESMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO260	Defines and monitors position descriptions for all IT positions within the enterprise
2	JANCO261	Prepares related objectives and budgets to facilitate the recruitment, retention and re-training of all IT personnel
3	JANCO262	Identifies and provides appropriate information technology staff career paths throughout the organization. These include lateral transfers within and between departments, upward movements within IT (both in the enterprise and SBU IT functions) and appropriate
4	JANCO263	Interacts frequently with all SBU management on internal and external operations including review and approval of all performance reviews and merit increases in both the enterprise and SBU Information Technology groups
5	JANCO264	Prepares quarterly and annual Human Resources reports on the operations of all Information Technology operations of the enterprise
6	JANCO265	Melakukan konversi data dari berbagai aplikasi perkantoran
7	JANCO266	Defines and reviews statements of necessary policies and procedures to assure compliance with enterprise human resources policies
8	JANCO267	Assists in establishing proactive organizational framework that supports both end-user computing and IT professional computing with proper balance to maximize benefits for the enterprise
9	JANCO268	Interfaces with external industrial and academic organizations in order to maintain state-of-the-art knowledge in emerging technology directions and to enhance the enterprise's image as a first-class corporation utilizing the latest thinking in this field

070706 INFORMATION CENTER MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO250	Defines the information center charter, containing the information center mission statements, its goals, directions and the key strategies utilized in attaining those achievements.
2	JANCO251	Directs the activities of information center personnel in establishing and maintaining an effective client-support relationship.
3	JANCO252	Insures that all client requests and problems are being appropriately and adequately resolved in a timely basis.
4	JANCO253	Addresses personal computer issues including standardization, purchasing, evaluations, systems configurations, training and networking.
5	JANCO254	Assists where necessary in the development of micro-computer based systems.
6	JANCO255	Coordinates "ad hoc" reporting capabilities including training, usage policy, usage procedure, and a system to track information available in all reports.
7	JANCO256	Develops in-house training seminars to improve overall Information Technology awareness throughout the enterprise computer environments.
8	JANCO257	Establishes a records management policy, its subsequent program, and direct all efforts in following the established procedures.
9	JANCO258	Establishes and maintains an information resource library to include software, systems documentation, periodicals, records, and report management systems.
10	JANCO259	Markets information center services through such means as the establishment of a monthly newsletter or the development of various user groups.

070601 CONTRACT MANAGEMENT ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
2	JANCO193	Reviews, analyzes, and screens data for incorporation into a proposal and prepares drafts for presentation. Reviews correspondence, contracts, and purchase orders for purposes of extracting pertinent data required for preparation of status reports, sales
3	JANCO194	Performs the general business functions of a major proposal effort, reviews and interprets all customer requests for proposal, develop the proposal ground rules, coordinates all Request for Quotation (RFQ), supervises the development of all cost/price
4	JANCO195	Assesses Information Technology requirements to understand impact; identifies and analyzes all costs, technical requirements and schedule risks recommending solutions which minimize the impact of that risk; verifies that business arrangements are construct

No	Kode Unit	Nama Unit Kompetensi
5	JANCO196	Acts as the point of contact between Information Technology and the users for assigned proposals, represents Information Technology during all fact-finding or audit sessions, and conducts negotiations with the customer as required.
6	JANCO197	Prepares and negotiates other auxiliary agreements which may be required during the performance of a contract, such as Proprietary Data, Associate Contractor, Teaming, License, and Technical Assistance agreements.
7	JANCO198	Prepares and oversees the preparation of contract briefs and/or internal correspondence to coordinate policies and to insure proper interpretation of the contract.
8	JANCO199	Prepares or oversees the preparation of contract sales orders, sales order revisions and monitors budget activity.
9	JANCO200	Administers assigned contracts by maintaining a continuing survey of progress to verify compliance with delivery schedules, design specifications, legal requirements, original cost allocations and other contractual obligations in order to anticipate necessary.
10	JANCO201	Develops an effective working relationship with the functional managers and the vendor representatives.
11	JANCO202	Identifies business issues, recommends alternative solutions and obtains appropriate internal and customer approvals for resolution of those issues.
12	JANCO203	Identifies constructive change, takes appropriate action to coordinate such changes through proper channels, and directs the preparation of proposals for contract changes as required.
13	JANCO204	Serves on high-level inter-disciplinary teams that address such topics as fundamental problems of organization and communication.
14	JANCO205	Performs at or above Information Technology company performance standards as established within the department.
15	JANCO206	Develops and evaluates performance data for the preparation of the department and division budgets.
16	JANCO207	Monitors and controls performance, conducts variance analysis, and provides documentation when actual performance departs from planned performance and goals.
17	JANCO208	Informs management of potential problems before they occur and communicates possible solutions.
18	JANCO210	Performs hiring and termination of assigned co-workers along with preparation and/or approval of all reviews and related performance documentation.
19	JANCO211	Directs, motivates, delegates and empowers staff in the successful performance of their tasks and responsibilities while encouraging innovation.
20	JANCO212	Trains, supervises, assigns projects, and evaluates staff to maintain optimum performance of job duties.
21	JANCO213	Performs all responsibilities within the guidelines of corporate policies and directives at or above the company's performance and evaluation standards.

070602 KEY PERFORMANCE INDICATOR ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO269	Assists management in establishing metrics and standards for the enterprise's IT function including programming, documentation, naming conventions, security, and backup and recovery.
2	JANCO270	Works closely with both IT and the enterprise's operations staff in defining metrics that can be used in the SLA process.
3	JANCO271	Works with the Manager of Outsourcing and Manager of Metrics to define metrics that can be used to measure the effectiveness of any and all outsourcing process (if any).
4	JANCO272	Monitors performance of metrics in development and implementation of production applications.
5	JANCO273	Provides technical leadership to IT staff including being conversant with the future direction of IT tools and how the direction taken by applications will impact the enterprise.
6	JANCO274	Works closely with the programmers, analysts, project leaders, and programming, production, and operations managers to develop and monitor performance.
7	JANCO275	Insures adherence of the application development group to formal processes, standards and total quality practices in all activities.
8	JANCO276	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed.
9	JANCO277	Participates with vendors in the assessment of advanced application systems, application development tools, and database production systems.
10	JANCO278	Performs all responsibilities within the guidelines of enterprise policies and directives at or above the enterprise's performance and evaluation standards.

070603 OPERATIONS ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
2	JANCO104	Performs at or above enterprise performance standards as established within the department
3	JANCO175	Develops and maintains service level agreements with the various user departments and enterprise business units.
4	JANCO279	Investigates and insures resolution of all production processing problems for batch and on-line services.
5	JANCO280	Identifies and resolves production problems involving disk allocation, device assignments, and job streams and run schedules.
6	JANCO281	Coordinates the resolution of application and software systems problems impacting production.

No	Kode Unit	Nama Unit Kompetensi
7	JANCO282	Assists systems and programming personnel as requested.
8	JANCO283	Assists in resolving technical computer operations equipment problems.
9	JANCO284	Initiates corrective action or carry out instructions to resolve system aborts on production jobs.
10	JANCO285	Logs and documents Information Technology production problems, this includes creating trouble managing system (TMS) records.
11	JANCO286	Identifies reoccurring and potential operations problems.
12	JANCO287	Recommends controls for prevention.
13	JANCO288	Investigates alternative methods to expedite problem resolution.
14	JANCO289	Responds to user requests for information and assists in problem resolution.
15	JANCO290	Maintains contact with users on operational and production problems.
16	JANCO291	Monitors and controls direct access storage device (DASD) file to insure effective space utilization.
17	JANCO292	Allocates storage space and deletes obsolete files.
18	JANCO293	Checks and logs space availability during shifts.
19	JANCO294	Insures complete and accurate production turnovers to next shift.
20	JANCO295	Advise shift personnel regarding production status.
21	JANCO296	Prepares operational cost estimates for current and proposed projects; evaluates vendor proposals for purchases of hardware.
22	JANCO297	Advise and consults on organizational, procedural, and workflow plans, methods and procedures analysis.
23	JANCO298	Analyzes the results of monitoring the operating system and recommends changes to improve processing and utilization.
24	JANCO299	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion.
25	JANCO300	Strives to learn the job functions of the position's immediate superior as well as peer-level positions with whom the individual interacts. It is the responsibility of the individual to be prepared for temporary re-assignment and/or promotion due to exten

070604 PLANNING INTEGRATION AND CONTROL ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
2	JANCO211	Directs, motivates, delegates and empowers staff in the successful performance of their tasks and responsibilities while encouraging innovation.

No	Kode Unit	Nama Unit Kompetensi
3	JANCO304	Develops and publishes IT long range strategic and operating plans.
4	JANCO305	Insures the integration and coherence among all IT functional planning and reporting activities.
5	JANCO306	Provides status and visibility on operating plan's objectives and initiatives.
6	JANCO308	Coordinates Information Technology's monthly status report to enterprise office along with directing the administrative activities in the planning group.
7	JANCO309	Acts as a liaison between IT, enterprise office and customer division's planning organizations to integrate the enterprise and customer division's long range and operating plans into IT objectives and strategies.
8	JANCO310	Coordinates the establishment of an integrated project management and performance tracking system to monitor status of all IT operating plan's initiatives.
9	JANCO311	Participates in defining and development of enterprise architecture strategy and initiatives.
10	JANCO312	Supports enterprise architecture systems administrative and PC workstation activities.
11	JANCO314	Performs all responsibilities within the guidelines of enterprise policies and directives at or above the enterprise's performance and evaluation standards.
12	JANCO315	Trains, supervises, assigns projects to, evaluates and is responsible for hiring/termination of staff to maintain optimum performance of job duties.

070605 PRODUCTION CONTROL ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
2	JANCO104	Performs at or above enterprise performance standards as established within the department
3	JANCO316	Screens user requests to insure that all requested information is supplied.
4	JANCO317	Reviews job documentation to insure completeness, accuracy, and clarity. If necessary, corrects any user documentation errors noted working with the individual programmers.
5	JANCO318	Insures the documentation is complete and the proper standards have been followed, that the jobs are installed into production in a timely manner.
6	JANCO319	Builds generation data groups and maintains the tape management database as requested by the programmer.
7	JANCO320	Maintains the report distribution database and assures the accuracy of this file.

No	Kode Unit	Nama Unit Kompetensi
8	JANCO321	Reviews run documentation for all user requests.
9	JANCO322	Checks the accuracy of all the information in the enterprise job scheduling systems.
10	JANCO323	Places new jobs into the scheduling systems using the following information: job name, parameter information, dependency information, scheduling occurrences, report names, and report distribution.
11	JANCO324	Assists Production Control Analysts Senior with any of their responsibilities.
12	JANCO325	Assumes responsibility for other production control functions as job experience and time allows.
13	JANCO326	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion.
14	JANCO327	Strives to learn the job functions of the position's immediate superior as well as peer-level positions with whom the individual interacts. It is the responsibility of the individual to be prepared for temporary re-assignment and/or promotion due to exten

070606 CHANGE CONTROL ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICASAS511A	Prioritize IT change requests
2	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
3	JANCO104	Performs at or above enterprise performance standards as established within the department
4	JANCO131	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
5	JANCO158	Develops and maintains a change system and procedures for the movement of test systems into production.
6	JANCO159	Validates that the change control system complies with IT Service Management (ITSM) and Service-Oriented Architecture (SOA).
7	JANCO160	Complies with Sarbanes-Oxley and ISO 2000 standards and requirements.
8	JANCO161	Develops, maintains and coordinates a change control program covering all production computer operations including policies, procedures and tracking/auditing systems to govern the movement of new/upgraded load modules from the test to the production environment
9	JANCO162	Develops and maintains forms involving change control procedures.
10	JANCO163	Publishes a schedule of planned changes to be turned over to production, and maintains detailed records of the movement of all new/updated load modules.

No	Kode Unit	Nama Unit Kompetensi
11	JANCO164	Screens database administration requests for successful testing and security risks.
12	JANCO165	Maintains the integrity of all CMS (code management system) libraries. This involves development and maintenance of a system of organization for these libraries.
13	JANCO166	Insures that all milestones of a project's life cycle have been met and signed off by the appropriate user.
14	JANCO167	Insures that all IT standards are met prior to moving proposed projects into production.
15	JANCO168	Submits updates to the IT standards manual and briefs other IT personnel on the importance and impact of maintaining stringent controls.
16	JANCO169	Plans and chairs quality review board meetings.
17	JANCO170	Monitors all changes - one-time and permanent - submitted to the computer batch operations schedule.
18	JANCO171	Monitors all changes applied to system software and database software submitted by the technical support group.
19	JANCO173	Strives to learn the job functions of the position's immediate superior as well as peer-level positions with whom the individual interacts. It is the responsibility of the individual to be prepared for temporary re-assignment and/or promotion due to extension.
20	JANCO175	Develops and maintains service level agreements with the various user departments and enterprise business units.

070501 CHANGE CONTROL SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel absence.
2	JANCO131	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion.
3	JANCO160	Complies with Sarbanes-Oxley and ISO 2000 standards and requirements.
4	JANCO175	Develops and maintains service level agreements with the various user departments and enterprise business units.
5	JANCO177	Manages the change control system and procedures for the movement of test systems into production.
6	JANCO178	Validates that the change control system complies with IT Service Management (ITSM) and Service-Oriented Architecture (SOA).
7	JANCO180	Manages and coordinates a change control program covering all production computer operations including policies, procedures and tracking/auditing systems to govern the movement of new/upgraded load modules from the test to the production environment including

No	Kode Unit	Nama Unit Kompetensi
8	JANCO181	Approves forms involving change control procedures.
9	JANCO182	Approves schedule of planned changes to be turned over to production, and provides a final check on detailed records of the movement of all new/updated load modules.
10	JANCO183	Assures the integrity of all CMS (Code Management System) libraries. This involves overseeing a system of organization for these libraries.
11	JANCO184	Approves updates to the IT standards manual and briefs other senior IT personnel on the importance and impact of maintaining stringent controls.
12	JANCO185	Chairs quality review board meetings.
13	JANCO186	Approves all changes - one-time and permanent - submitted to the computer batch operations schedule.
14	JANCO187	Approves all changes applied to system software and database software submitted by the technical support group.
15	JANCO189	Strives to learn the job functions of the position's immediate superior as well as peer-level positions with whom the individual interacts. It is the responsibility of the individual to be prepared for temporary re-assignment and/or promotion due to extension
16	JANCO192	Performs at or above enterprise Information Technology business unit's performance standards.

070502 CAPACITY PLANNING SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	ICASAS505A	Review and update disaster recovery and contingency plans
2	ICTSAS417	Undertake ICT system capacity planning
3	TIK.SM03.006.01	Memantau Pelayanan Prosedur Tingkat Layanan

070503 HUMAN RESOURCES GENERALIST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
2	JANCO104	Performs at or above enterprise performance standards as established within the department
3	JANCO131	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
4	JANCO175	Develops and maintains service level agreements with the various user departments and enterprise business units.
5	JANCO206	Develops and evaluates performance data for the preparation of the department and division budgets.

No	Kode Unit	Nama Unit Kompetensi
6	JANCO214	Responds to routine HR inquiries and interprets policy where clear cut procedures and rules exist.
7	JANCO215	Assists in identifying; evaluating; and resolving personnel problems within the organization.
8	JANCO216	Processes forms/data related to items such as worker's compensation, EEO, SDI, unemployment insurance, change of status, and employment verification.
9	JANCO217	Advises, supports, and provides appropriate HR paperwork/information to co-workers in terms of health insurance coverage, vacations, sick leave, worker's compensation, wage garnishments, etc...
10	JANCO218	Verifies employment applications, administers pre-employment testing, arranges orientations and access, initiates payroll setup, establishes employee's file, and schedules safety training.
11	JANCO219	Completes journal voucher, general ledger, termination, and other period end reports as required.
12	JANCO220	Coordinates local government/agency compliance programs, such as ride sharing, as required.
13	JANCO221	Drafts written instructions and correspondence related to HR issues and policies.
14	JANCO222	Handles sensitive materials, documentation, and situations with complete confidentiality.
15	JANCO223	Suggests and implements innovative processes and procedures to improve department performance while maintaining sound internal controls.
16	JANCO225	Monitors and controls own performance and provides documentation when actual performance departs from planned performance and goals.
17	JANCO226	Informs management of potential problems before they occur and communicates possible solutions.
18	JANCO228	Performs all responsibilities within the guidelines of corporate policies and directives at or above the company's performance and evaluation standards.
19	JANCO230	Strives to learn the job functions of the position's immediate superior as well as peer-level positions with whom the individual interacts. It is the responsibility of the individual to be prepared for temporary re-assignment and/or promotion due to exten.

070401 IT MANAGEMENT COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO363	Assists with daily operations and performs office duties as necessary.
2	JANCO370	Coordinates all activities associated with the IT facilities management processes
3	JANCO372	Coordinates microfilming of IT facilities by vendors and other work related to IT facilities maintenance.
4	JANCO375	Coordinates the installation, modification and updating of computerized IT facilities systems.
5	JANCO384	Designs, maintains, and updates storage areas to insure the most effective use of space.
6	JANCO393	Diagnoses and resolves computerized filing system problems through consultation with the appropriate enterprise contacts and outside vendors.
7	JANCO398	Establishes procedures for recording, tracking and disposal of IT facilities.
8	JANCO400	Establishes, maintains, and updates complex computerized data base programs and manual filing systems for centralized enterprise IT facilities.
9	JANCO429	Maintains vital IT facilities program, and updates and maintains IT facilities retention program.
10	JANCO439	Manages the IT facilities Management System
11	JANCO443	Operates document imaging equipment, microfilm reader/printers, loadlifters, computers and printers.
12	JANCO458	Prioritizes work.
13	JANCO462	Provides documents, IT facilities and information to enterprise personnel and the general public, and researches requested information as necessary.
14	JANCO478	Supervises, trains and works with subordinate staff in maintaining IT facilities, and keeps IT facilities of work performed.
15	JANCO491	Works with and advises departments on the proper procedures for IT facilities management

070402 TH GL SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO104	Performs at or above enterprise performance standards as established within the department
2	JANCO349	Participates in the development of programming standards that will be utilized in the 4th GL and environments.
3	JANCO350	Troubleshoots and resolves hardware and software malfunction for variety of centralized and decentralized processing operations.
4	JANCO351	Assists clients with the definition of technical solutions in order to solve computer business issues.
5	JANCO352	Provides ongoing 4th GL technical support and training to all enterprise clients and personnel.
6	JANCO353	Maintains knowledge of new personal computer hardware and software technological advances and recommends improvements when appropriate.

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| 7 | JANCO354 | Assists the senior 4th GL Specialist in the technical evaluation of new Information Center products or services. |
| 8 | JANCO355 | Provides ad hoc reporting and development support as needed. |

070403 SENIOR TH GL SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
2	JANCO104	Performs at or above enterprise performance standards as established within the department
3	JANCO131	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
4	JANCO330	Assists in 4th GL software installation and tuning, default configuration, 4th GL software upgrades, software and application performance, and reporting "bugs" to development.
5	JANCO331	Develops tools and procedures to support development in any 4th GL used presently or in the future by the enterprise.
6	JANCO332	Supports development activities that require specialized 4th GL programming.
7	JANCO333	Develops programming standards that will be utilized in the 4th GL environment.
8	JANCO334	Provides advanced levels of technical and development support and training to all enterprise clients who utilize 4th GL.
9	JANCO335	Serves as a technical support analyst for the LAN environment.
10	JANCO336	Directs the activities in the Information Center Group in establishing and maintaining an effective client-support relationship.
11	JANCO337	Creates and develops all levels of training classes including the classroom curriculum.
12	JANCO338	Coordinates with other departments within Information Technology to maintain effective communication channels.
13	JANCO340	Upholds the enterprise policy guidelines as well as recommends new and improved guidelines to better service enterprise clients.
14	JANCO341	Maintains the integrity of the applications, and insures the continuity with the current processing applications.
15	JANCO342	Insures that all client requests and problems are being appropriately and adequately resolved in a timely basis.
16	JANCO343	Demonstrates skill in advanced programming techniques and expertise in moving the enterprise operating environment to program specifications.
17	JANCO344	Presents at local and national user groups on 4th GL implementation within the enterprise.
18	JANCO345	Publishes articles describing both the enterprise's activities and assessments of technology regarding 4th GL applications.
19	JANCO346	Participates with 4th GL vendors in the assessment of advanced transaction processing and database productions including beta and field test participation.

070404 HUMAN RESOURCES SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO052	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personnel
2	JANCO206	Develops and evaluates performance data for the preparation of the department and division budgets.
3	JANCO211	Directs, motivates, delegates and empowers staff in the successful performance of their tasks and responsibilities while encouraging innovation.
4	JANCO227	Advises and updates department managers of company policy regarding staffing, compensation, and benefit programs.
5	JANCO235	Plans and carries out activities relating to all areas of employment responsibility including, but not limited to, recruiting, screening, and interviewing.
6	JANCO236	Oversees the preparation and distribution of all payroll checks and related reports ensuring the accuracy and confidentiality of the organization's payroll records.
7	JANCO237	Ensures the proper maintenance of co-worker files to accurately track and report information such as insurance coverage, training programs, profit sharing, emergency notification, employment history, accidents, occurrences, leaves, and vacation.
8	JANCO238	Conducts exit interviews, develops emergency action plans, performs periodic wage surveys, schedules orientations, resolves compliance problems, maintains job descriptions, and counsels co-workers and/or management team members as required.
9	JANCO239	Initiates programs for compliance with unique local or agency requirements such as ridesharing.
10	JANCO240	Works with external auditors, tax advisors, labor organizations, and government agencies, as required.
11	JANCO241	Assist the General Manager as liaison with Corporate Human Resources and Counsel on personnel and labor related requirements.
12	JANCO242	Establishes a working partnership with division management to facilitate the development and implementation of innovative processes and procedures to empower divisional staff while maintaining sound internal controls.
13	JANCO244	Monitors and controls performance, conducts variance analysis, and provides documentation when actual performance departs from planned performance and goals.
14	JANCO245	Informs management of potential problems before they occur and communicates possible solutions.
15	JANCO247	Performs hiring and termination of assigned co-workers along with preparation and/or approval of all reviews and related performance documentation
16	JANCO249	Trains, supervises, assigns projects, and evaluates staff to maintain optimum performance of job duties

070301 IT MANAGEMENT STAFF

No	Kode Unit	Nama Unit Kompetensi
1	JANCO003	Adheres to all established enterprise, division and departmental policies, standards and procedures
2	JANCO395	Displays initiative without requiring external motivation
3	JANCO404	Gain an overall understanding of the various functional activities performed within Information Technology
4	JANCO406	Gain an understanding of the customer functional areas and their relationships with Information Technology for each of the assigned departments
5	JANCO407	Has a working knowledge of all job functions and performs at a high degree of proficiency
6	JANCO408	Has excellent problem solving skills and can resolve problems of moderate complexity and will implement solutions with minimal guidance
7	JANCO409	Has the ability to lead and direct others in assignments of moderate complexity
8	JANCO420	Learn the assigned department's functions, organization and role within Information Technology
9	JANCO447	Participate in team activities to the extent required by the assignment
10	JANCO450	Perform all responsibilities within the guidelines of corporate policies and directives at or above the enterprise's performance and evaluation standards
11	JANCO451	Perform at or above company performance standards as established within the department
12	JANCO469	Requires minimal supervision and guidance
13	JANCO470	Results oriented
14	JANCO479	Support the assigned departments in performing analysis, planning, accounting, budgeting, reporting, coordinating, software engineering and other business processes

070201 IT GOVERNANCE AND MANAGEMENT ADMINISTRATOR

No Kode Unit	Nama Unit Kompetensi
1 JANCO093	Operate computer equipment
2 TIK.FO02.012.01	Mengoperasikan PC yang terhubung pada jaringan komputer lokal.
3 TIK.OP02.003.01	Mengoperasikan sistem operasi
4 TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (<i>spreadsheet</i>) – tingkat dasar.
5 TIK.OP02.007.01	Mengoperasikan piranti lunak klien <i>e-mail</i> (<i>e-mail client</i>)
6 TIK.OP02.015.01	Mempergunakan perangkat keras dan piranti lunak untuk memindai dokumen gambar

070101 IT MANAGEMENT CLERK

No Kode Unit	Nama Unit Kompetensi
1 JANCO003	Adheres to all established enterprise, division and departmental policies, standards and procedures
2 JANCO395	Displays initiative without requiring external motivation
3 JANCO404	Gain an overall understanding of the various functional activities performed within Information Technology
4 JANCO405	Gain an understanding of the customer functional areas and their relationships with Information Technology for each of the assigned departments
5 JANCO407	Has a working knowledge of all job functions and performs at a high degree of proficiency
6 JANCO408	Has excellent problem solving skills and can resolve problems of moderate complexity and will implement solutions with minimal guidance
7 JANCO409	Has the ability to lead and direct others in assignments of moderate complexity
8 JANCO420	Learn the assigned department's functions, organization and role within Information Technology
9 JANCO446	Participate in team activities to the extent required by the assignment
10 JANCO450	Perform all responsibilities within the guidelines of corporate policies and directives at or above the enterprise's performance and evaluation standards
11 JANCO451	Perform at or above company performance standards as established within the department
12 JANCO470	Results oriented
13 JANCO479	Support the assigned departments in performing analysis, planning, accounting, budgeting, reporting, coordinating, software engineering and other business processes

08 IT PROJECT MANAGEMENT

080901 CHIEF IT PROJECTS OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	TIK.2017.010	Membuat keputusan hal-hal seperti pengadaan peralatan IT dari pemasok atau pembuatan sistem baru
2	TIK.2017.013	Memetakan kebutuhan strategi dan kebijaksanaan TIK (jangka pendek, panjang)
3	TIK.2017.038	Mengevaluasi sumber daya yang ada
4	TIK.2017.043	Mengidentifikasi dan mengembangkan sistem baru

080801 PROGRAM MANAGEMENTDIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.2017.019	Menentukan prioritas proyek dan menyesuaikan kecepatan pelaksanaan dengan memaksimalkan sumber daya yang ada
2	TIK.2017.039	Mengelola beberapa proyek terkait untuk peningkatan kinerja organisasi

080802 IT PROJECT PORTFOLIODIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.2017.023	Mengawasi perubahan dan memperkirakan resikonya
	TIK.2017.042	Mengelola penyebaran sumber daya organisasi
3	TIK.2017.045	Mengestimasi biaya dan pengalokasikannya

080701 MANAJER PROYEK TIK (ICT PROJECT MANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	M.702090.001.0	Mengelola proyek secara terintegrasi project <i>integration management</i>
2	M.702090.002.0	Mengelola ruang lingkup proyek (<i>project scope management</i>)
3	M.702090.003.0	Mengelola jadwal waktu proyek (<i>project time management</i>)
4	M.702090.004.0	Mengelola biaya proyek (<i>project cost management</i>)
5	M.702090.005.0	Mengelola kualitas proyek (<i>project quality management</i>)
6	M.702090.006.0	Mengelola sumberdaya manusia proyek (<i>project human resource managment</i>)
7	M.702090.007.0	Mengelola komunikasi proyek (<i>project communication management</i>)
8	M.702090.008.0	Mengelola risiko proyek (<i>project risk management</i>)
9	M.702090.009.0	Mengelola pengadaan-pengadaan proyek (<i>project procurement management</i>)
10	M.702090.010.0	Mengelola <i>stakeholder</i> proyek (<i>project stakeholder management</i>)

080702 POINT OF SALE MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT602A	Develop contracts and manage contracted performance
2	ICAICT604A	Identify and implement business innovation
3	ICAICT610A	Manage copyright, ethics and privacy in an IT environment
4	ICAPMG601A	Establish IT project governance
5	ICAPMG606A	Manage IT project quality

080703 IT CONTRACTS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	TIK.2017.003	Melakukan audit dan analisis status pencatatan dan pengontrolan
2	TIK.2017.022	Mengarahkan dan memotivasi staf dalam bekerja dan berinovasi
3	TIK.2017.025	Mengelola akuntabilitas dan identifikasi semua kontrak TI untuk barang dan jasa
4	TIK.2017.033	Mengelola sistem kontrol untuk melacak kinerja kontrak individual
5	TIK.2017.036	Mengembangkan rencana fasilitas TI jangka pendek dan jangka panjang

080704 SENIOR PROJECT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAPMG501A	Manage IT projects
2	ICAPMG601A	Establish IT project governance
3	ICAPMG602A	Manage IT project initiation
4	ICAPMG603A	Manage IT project planning
5	ICAPMG604A	Manage IT project delivery
6	ICAPMG605A	Manage IT project closure
7	ICAPMG606A	Manage IT project quality
8	ICAPMG607A	Manage and control IT project risks
9	ICAPMG608A	Manage IT project systems implementation
10	ICAPMG609A	Plan and direct complex IT projects
11	ICAPRG502A	Manage a project using software management tools
12	M.702090.001.0	Mengelola proyek secara terintegrasi (<i>project integration management</i>)
13	M.702090.002.0	Mengelola ruang lingkup proyek (<i>project scope management</i>)
14	M.702090.003.0	Mengelola jadwal waktu proyek (<i>project time management</i>)
15	M.702090.004.0	Mengelola biaya proyek (<i>project cost management</i>)
16	M.702090.005.0	Mengelola kualitas proyek (<i>project quality management</i>)

- | | | |
|----|----------------|---|
| 17 | M.702090.006.0 | Mengelola proyek sumberdaya manusia (<i>project human resource managment</i>) |
| 18 | M.702090.007.0 | Mengelola komunikasi proyek (<i>project communication management</i>) |
| 19 | M.702090.008.0 | Mengelola risiko proyek (<i>project risk management</i>) |
| 20 | M.702090.009.0 | Mengelola pengadaan-pengadaan proyek (<i>project procurement management</i>) |
| 21 | M.702090.010.0 | Mengelola stakeholder proyek (<i>project stakeholder management</i>) |

080705 LEAD PROJECT MANAGER

- | No | Kode Unit | Nama Unit Kompetensi |
|----|----------------|---|
| 1 | ICAPMG501A | Manage IT projects |
| 2 | ICAPMG601A | Establish IT project governance |
| 3 | ICAPMG602A | Manage IT project initiation |
| 4 | ICAPMG603A | Manage IT project planning |
| 5 | ICAPMG604A | Manage IT project delivery |
| 6 | ICAPMG605A | Manage IT project closure |
| 7 | ICAPMG606A | Manage IT project quality |
| 8 | ICAPMG607A | Manage and control IT project risks |
| 9 | ICAPMG608A | Manage IT project systems implementation |
| 10 | ICAPMG609A | Plan and direct complex IT projects |
| 11 | ICAPRG502A | Manage a project using software management tools |
| 12 | M.702090.001.0 | Mengelola proyek secara terintegrasi (<i>project integration management</i>) |
| 13 | M.702090.002.0 | Mengelola ruang lingkup proyek (<i>project scope management</i>) |
| 14 | M.702090.003.0 | Mengelola jadwal waktu proyek (<i>project time management</i>) |
| 15 | M.702090.004.0 | Mengelola biaya proyek (<i>project cost management</i>) |
| 16 | M.702090.005.0 | Mengelola kualitas proyek (<i>project quality management</i>) |
| 17 | M.702090.006.0 | Mengelola proyek sumberdaya manusia (<i>project human resource managment</i>) |
| 18 | M.702090.007.0 | Mengelola komunikasi proyek (<i>project communication management</i>) |
| 19 | M.702090.008.0 | Mengelola risiko proyek (<i>project risk management</i>) |
| 20 | M.702090.009.0 | Mengelola pengadaan-pengadaan proyek (<i>project procurement management</i>) |
| 21 | M.702090.010.0 | Mengelola stakeholder proyek (<i>project stakeholder management</i>) |

080706 PROJECT MANAGER APPLICATIONS

No	Kode Unit	Nama Unit Kompetensi
1	ICAGAM504A	Manage interactive media production
2	ICAGAM519A	Manage technical art and rigging in 3-D animation
3	ICAICT508A	Evaluate vendor products and equipment
4	ICAICT512A	Plan process re-engineering strategies for business
5	ICANWK501A	Plan, implement and test enterprise communication solutions
6	ICAPRG520A	Validate an application design against specifications
7	ICTTEN5024A	Provide consultancy and technical support in the customer premises equipment sector

080707 PROJECT MANAGER DISTRIBUTED SYSTEMS

No	Kode Unit	Nama Unit Kompetensi
1	BSBOHS509A	Ensure a safe workplace
2	ICADBS501A	Monitor and improve knowledge management system
3	ICANWK511A	Manage network security
4	ICAPRG518A	Monitor the system pilot
5	ICASAD503A	Minimise risk of new technologies to business solutions
6	ICASAS512A	Review and manage delivery of maintenance services
7	ICASAS515A	Manage the testing process

080708 PROJECT MANAGER ENTERPRISE ARCHITECTURE

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS501A	Monitor and improve knowledge management system
2	ICAGAM504A	Manage interactive media production
3	ICANWK513A	Manage system security
4	ICANWK527B	Manage an enterprise virtual computing environment
5	ICAPRG502A	Manage a project using software management tools
6	ICAPRG526A	Maintain functionality of legacy code programs
7	ICASAS512A	Review and manage delivery of maintenance services

080709 PROJECT MANAGER --- IMPLEMENTATION/DEPLOYMENT

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT509A	Gather data to identify business requirements
2	ICAICT515A	Verify client business requirements
3	ICASAS505A	Review and update disaster recovery and contingency plans
4	ICASAS510A	Review and develop IT maintenance strategy
5	M.702090.002.0	Mengelola ruang lingkup proyek (<i>project scope management</i>)
6	M.702090.004.0	Mengelola biaya proyek (<i>project cost management</i>)
7	TIK.JK03.012.01	Melakukan audit pre-intalasi untuk instalasi perangkat lunak

080710 PROJECT MANAGER NETWORK TECHNICAL SERVICES

No	Kode Unit	Nama Unit Kompetensi
1	ICAPMG501A	Manage IT projects
2	ICAPMG601A	Establish IT project governance
3	ICAPMG602A	Manage IT project initiation
4	ICAPMG603A	Manage IT project planning
5	ICAPMG604A	Manage IT project delivery
6	ICAPMG605A	Manage IT project closure
7	ICAPMG606A	Manage IT project quality
8	ICAPMG607A	Manage and control IT project risks
9	ICAPMG608A	Manage IT project systems implementation
10	ICAPMG609A	Plan and direct complex IT projects
11	ICAPRG502A	Manage a project using software management tools
12	M.702090.001.0	Mengelola proyek secara terintegrasi (<i>project integration management</i>)
13	M.702090.002.0	Mengelola ruang lingkup proyek (<i>project scope management</i>)
14	M.702090.003.0	Mengelola jadwal waktu proyek (<i>project time management</i>)
15	M.702090.004.0	Mengelola biaya proyek (<i>project cost management</i>)
16	M.702090.005.0	Mengelola kualitas proyek (<i>project quality management</i>)
17	M.702090.006.0	Mengelola proyek sumberdaya manusia (<i>project human resource management</i>)
18	M.702090.007.0	Mengelola komunikasi proyek (<i>project communication management</i>)
19	M.702090.008.0	Mengelola risiko proyek (<i>project risk management</i>)
20	M.702090.009.0	Mengelola pengadaan-pengadaan proyek (<i>project procurement management</i>)
21	M.702090.010.0	Mengelola stakeholder proyek (<i>project stakeholder management</i>)

080711 SYSTEMS PROJECT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	TIK.2017.012	Memecahkan masalah-masalah bisnis dalam pengembangan, implementasi dan pemeliharaan
2	TIK.2017.017	Mendefinisikan dan merumuskan kebutuhan sistem
3	TIK.2017.027	Mengelola beberapa proyek
4	TIK.2017.028	Mengelola beberapa sistem yang berjalan yang ada kaitanya

080712 IT TRAINING PROJECTMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	TIK.2017.001	Manajer proyek TI mengembangkan dan mengelola anggaran, dan pembaruan anggaran berikutnya, untuk proyek teknologi
2	TIK.2017.002	Melaksanakan proyek teknologi sesuai jadwal dan sesuai anggaran
3	TIK.2017.009	Membangun dan mengembangkan hubungan bisnis yang penting bagi keberhasilan proyek
4	TIK.2017.020	Menganalisa & meringkas kinerja dan tren untuk membuat laporan status proyek
5	TIK.2017.035	Mengembangkan dan mengelola struktur rincian pekerjaan
6	TIK.2017.037	Mengembangkan rencana proyek yang mencakup analisis biaya --- manfaat atau pengembalian investasi (ROI)
7	TIK.2017.047	Mengkoordinasikan perekrutan personil proyek dan menetapkan tugas, tanggung jawab dan rentang kewenangan
8	TIK.2017.049	Menyelesaikan proyek teknologi sesuai jadwal dan sesuai anggaran
9	TIK.2017.053	Merencanakan proyek teknologi sesuai jadwal dan sesuai anggaran

080713 CUSTOMER ACCOUNT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	TIK.2017.016	Menciptakan <i>service level agreement</i> antara pelanggan dan IT
2	TIK.2017.029	Mengelola komunikasi pelanggan, resolusi konflik, dan kepatuhan terhadap kiriman pelanggan
3	TIK.2017.052	Menyiapkan laporan metrik hubungan pelanggan

080601 ICTPM DEPUTY MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	M.702090.001.0	Mengelola proyek secara terintegrasi (<i>project integration management</i>)
2	M.702090.002.0	Mengelola ruang lingkup proyek (<i>project scope management</i>)
3	M.702090.003.0	Mengelola jadwal waktu proyek (<i>project time management</i>)
4	M.702090.004.0	Mengelola biaya proyek (<i>project cost management</i>)

5	M.702090.005.0	Mengelola kualitas proyek (<i>project quality management</i>)
6	M.702090.006.0	Mengelola proyek sumberdaya manusia (<i>project human resource managment</i>)
7	M.702090.007.0	Mengelola komunikasi proyek (<i>project communication management</i>)
8	M.702090.008.0	Mengelola risiko proyek (<i>project risk management</i>)
9	M.702090.009.0	Mengelola pengadaan-pengadaan proyek (<i>project procurement management</i>)
10	M.702090.010.0	Mengelola stakeholder proyek (<i>project stakeholder management</i>)

080602 DEPUTY MANAGER ICT PROJECTMANAGEMENT

No	Kode Unit	Nama Unit Kompetensi
1	M.702090.001.0	Mengelola proyek secara terintegrasi (<i>project integration management</i>)
2	M.702090.002.0	Mengelola ruang lingkup proyek (<i>project scope management</i>)
3	M.702090.003.0	Mengelola jadwal waktu proyek (<i>project time management</i>)
4	M.702090.004.0	Mengelola biaya proyek (<i>project cost management</i>)
5	M.702090.005.0	Mengelola kualitas proyek (<i>project quality management</i>)
6	M.702090.006.0	Mengelola proyek sumberdaya manusia (<i>project human resource managment</i>)
7	M.702090.007.0	Mengelola komunikasi proyek (<i>project communication management</i>)

080603 IT MAINTENANCE CONTRACTADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.2017.004	Melakukan kontrak administrasi perawatan komputerdalam perusahaan
2	TIK.2017.005	Melakukan negosiasi kontrak pemeliharaan perangkat keras dan perangkat lunak komputer
3	TIK.2017.007	Memantau pelaksanaan kontrak perawatan komputer
4	TIK.2017.015	Memonitor kinerja pemasok yang berkaitan dengan syarat dan kondisi kewajiban kontrak pemeliharaan komputer
5	TIK.2017.051	Menyiapkan korespondensi yang berkaitan dengan kontrak perawatan komputer dengan subkontraktor dan penyedia layanan

080501 IT PROJECT SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	M.702090.003.0	Mengelola jadwal waktu proyek (<i>project time management</i>)
2	M.702090.005.0	Mengelola kualitas proyek (<i>project quality management</i>)
3	M.702090.006.0	Mengelola proyek sumberdaya manusia (<i>project human resource managment</i>)
4	M.702090.007.0	Mengelola komunikasi proyek (<i>project communication management</i>)

080401 IT PROJECT COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.2017.032	Mengelola setiap informasi kemajuan proyek
2	TIK.2017.034	Mengelola sistem penyediaan kebutuhan pengguna
3	TIK.2017.048	Mengkoordinasikan proyek dalam bidang TI

080301 IT PROJECT MANAGEMENTSTAFF

No	Kode Unit	Nama Unit Kompetensi
1	M.702090.007.0	Mengelola komunikasi proyek (<i>project communication management</i>)
2	TIK.2017.011	Membuat laporan administratif
3	TIK.2017.030	Mengelola penjadwalan dan manajemen risiko
4	TIK.2017.031	Mengelola rencana, proses dan dokumen proyek

080201 IT PROJECT MANAGEMENTADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	M.702090.005.0	Mengelola kualitas proyek (<i>project quality management</i>)
2	TIK.2017.006	Melaporkan kemajuan secara keseluruhan
3	TIK.2017.008	Memantau pemanfaatan sumber daya
4	TIK.2017.026	Mengelola anggaran proyek
5	TIK.2017.044	Mengintegrasikan rencana proyek

080101 IT PROJECT CLERK

No	Kode Unit	Nama Unit Kompetensi
1	TIK.2017.024	Mengelola administrasi proyek
2	TIK.2017.040	Mengelola instalasi (s/w , h/w), peralatan dan dukungan harian dalam proyek
3	TIK.2017.041	Mengelola korespondensi ke pihak luar dalam mendukung proyek
4	TIK.2017.050	Menyiapkan data/informasi yang dibutuhkan untuk pembuatan laporan proyek

09 IT ENTERPRISE ARCHITECTURE

090901 CHIEF ENTERPRISE ARCHITECTURE

No	Kode Unit	Nama Unit Kompetensi
1	BSBINN801	Lead innovative thinking and practice
2	BSBLDR803	Develop and cultivate collaborative partnerships and relationships
3	ICTICT801	Lead research into identifying new marketplace opportunities
4	ICTICT802	Direct ICT services
5	ICTSUS802	Conduct a business case study for integrating sustainability in ICT planning and design projects
6	ICTSUS804	Use ICT to improve sustainability outcomes
7	ICTSUS805	Manage improvements in ICT sustainability
8	ICTSUS806	Lead applied research in ICT sustainability
9	ICTTEN804	Manage end to end architectural solutions across multiple domains
10	ICTTEN805	Manage solution architecture and impacts in line with organisational processes

090801 VICE PRESIDENT STRATEGY AND ARCHITECTURE

No	Kode Unit	Nama Unit Kompetensi
1	ICTPMG8143A	Manage a telecommunications project
2	ICTPMG8149A	Evaluate and use telecommunications management networks
3	ICTSUS8238A	Conduct and manage a life cycle assessment for sustainability
4	TIK.DG02.010.01	Merekomendasikan argumen-argumen yang meyakinkan terhadap hasil karya desain kepada klien
5	TIK.DG03.002.01	Mengintegrasikan pengetahuan dasar branding dan komunikasi pemasaran dengan desain grafis
6	TIK.SM02.005.01	Mengendalikan aset dan seluruh sumber daya pelayanan TI

090701 MANAJER ARSITEKTUR PERANGKAT LUNAK (SOFTWARE ARCHITECTURE MANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	JANCO642	Responsible for detail analysis of information related to competitive analysis as it relates to the enterprise
2	JANCO643	Working with the senior management, product development, and marketing teams, to meet the objectives for intelligence gathering, and operate within a reasonable schedule for the collection and analysis of data
3	JANCO644	Collect and analyze information
4	JANCO645	Ensure that all enterprises intelligence and information-gathering activities are undertaken using ethical and legal techniques
5	JANCO646	Ensure the CI group resources are used effectively
6	JANCO647	Communicate with other departments to ensure an effective flow of information to and from the CI group. While the CI group is primarily responsible for analyzing competitive information, data should come from the entire company
7	JANCO648	Ensure that the analyst acquires and maintains appropriate skills and are able to develop professionally
8	JANCO649	Make regular presentations of findings to other members of the CI group and company management
9	JANCO650	Maintain a secure information environment and to limit disclosure of detail information, summary finding, and reports to those individuals within the enterprise on a "need-to-know basis"
10	JANCO651	Assist in all of the activities of the business intelligence and coordination with the data warehouse programming group including system management, system programming, and troubleshooting
11	JANCO652	Assist other personnel of the business intelligence and data warehouse programming group
12	JANCO653	Assist with the activities of the business intelligence and data warehouse programming group and with other IT and enterprise organizations where necessary
13	JANCO654	Provide technical guidance to IT and the enterprise, especially on issues relating to future data warehouse and business intelligence modernization and/or expansion

090702 ENTERPRISE ARCHITECTURE MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT603A	Manage the use of appropriate development methodologies
2	ICAPRG602A	Manage the development of technical solutions from business specifications
3	ICASAD607A	Manage assessment and validation of IT solutions

090703 COMPETITIVE INTELLIGENCE MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK613A	Develop plans to manage structured troubleshooting process of enterprise networks
2	ICTSUS6234A	Establish a business case for sustainability and competitive advantage in ICT projects

090601 ENTERPRISE ARCHITECT

No	Kode Unit	Nama Unit Kompetensi
1	J.620200.001.01	Menentukan metode pemodelan arsitektur bisnis dan <i>business building block</i> yang Diperlukan
2	J.620200.002.01	Menetapkan matriks, diagram, dan jenis kebutuhan (<i>requirements</i>) yang diperlukan pada arsitektur bisnis
3	J.620200.003.01	Menetapkan <i>baseline</i> dan target arsitektur bisnis, serta Kesenjangan antara <i>baseline</i> dan target arsitektur bisnis
4	J.620200.004.01	Menyusun <i>roadmap</i> arsitektur bisnis
5	J.620200.005.01	Mengevaluasi artefak arsitektur dalam <i>architecture landscape</i> yang terkait dengan arsitektur bisnis
6	J.620200.006.01	Memfinalisasikan arsitektur bisnis
7	J.620200.007.01	Menentukan metode pemodelan, sudut pandang dan perangkat bantu untuk merancang arsitektur aplikasi
8	J.620200.008.01	Menyusun <i>roadmap</i> dan komponen arsitektur data
9	J.620200.009.01	Memfinalisasikan arsitektur data
10	J.620200.010.01	Menentukan metode pemodelan, sudut pandang dan perangkat bantu untuk merancang arsitektur aplikasi
11	J.620200.011.01	Menyusun <i>roadmap</i> dan komponen arsitektur aplikasi
12	J.620200.012.01	Memfinalisasikan arsitektur aplikasi
13	J.620200.013.01	Menentukan metode pemodelan arsitektur teknologi dan <i>technology building block</i> yang diperlukan
14	J.620200.014.01	Menyusun <i>roadmap</i> dan komponen arsitektur teknologi
15	J.620200.015.01	Memfinalisasikan arsitektur teknologi

090602 ENTERPRISE RESOURCE MANAGEMENT BUSINESS ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO383	Designs, develops and implements plans to translate enterprise information system objectives into functional business systems.
2	JANCO388	Develop, maintain and update the enterprise data/information model and information flows
3	JANCO411	Identifies gaps in the enterprise data/information model and addresses them actively in collaboration with the enterprise business support teams.
4	JANCO412	Identifies implementation risks; analyzes potential impact to enterprise and scheduled objectives; develops, submits and maintains enterprise critical path schedules; and initiates action to correct any deviations from this schedule.
5	JANCO449	Participates in the analysis, evaluation and development of enterprise long range strategic plans and operating plans to insure that the enterprise architecture objectives are consistent with long term business objectives

090603 COMPETITIVE INTELLIGENCE ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO642	Responsible for detail analysis of information related to competitive analysis as it relates to the enterprise.
2	JANCO643	Working with the senior management, product development, and marketing teams, to meet the objectives for intelligence gathering, and operate within a reasonable schedule for the collection and analysis of data.
3	JANCO644	Collect and analyze information.
4	JANCO645	Ensure that all enterprises intelligence and information-gathering activities are undertaken using ethical and legal techniques.
5	JANCO646	Ensure the CI group resources are used effectively.
6	JANCO647	Communicate with other departments to ensure an effective flow of information to and from the CI group. While the CI group is primarily responsible for analyzing competitive information, data should come from the entire company.
7	JANCO648	Ensure that the analyst acquires and maintains appropriate skills and are able to develop professionally.
8	JANCO649	Make regular presentations of findings to other members of the CI group and company management
9	JANCO650	Maintain a secure information environment and to limit disclosure of detail information, summary finding, and reports to those individuals within the enterprise on a "need-to-know basis."
10	JANCO651	Assist in all of the activities of the business intelligence and coordination with the data warehouse programming group including system management, system programming, and troubleshooting.

11	JANCO652	Assist other personnel of the business intelligence and data warehouse programming group.
12	JANCO653	Assist with the activities of the business intelligence and data warehouse programming group and with other IT and enterprise organizations where necessary.
13	JANCO654	Provide technical guidance to IT and the enterprise, especially on issues relating to future data warehouse and business intelligence modernization and/or expansion

090501 DESKTOP BYOD SUPPORT SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.SM02.002.01	Meningkatkan Aspek Ketersediaan Dalam Layanan TI
2	TIK.SM02.003.01	Menyediakan Layanan Berdasarkan Tingkat Tingkat tertentu
3	TIK.SM02.006.01	Mengelola Instalasi Dan Pemeliharaan Sistem Perangkat Lunak
4	TIK.SM02.007.01	Mengatur Otorisasi Akses Teknologi Informasi
5	TIK.SM02.008.01	Menyediakan Tim Pendukung Untuk Pemeliharaan Aplikasi
6	TIK.SM02.010.01	Mengendalikan Peralatan Jaringan Teknologi Informasi
7	TIK.SM02.011.01	Menetapkan Resolusi Dan Masalah Terhadap Seluruh Aktivitas Seluruh Siklus Hidup TI
8	TIK.SM02.012.01	Mengelola Insiden Yang Terjadi
9	TIK.SM02.013.01	Mengelola Konfigurasi Sistem
10	TIK.SM02.014.01	Mengelola Perubahan Yang Terjadi
11	TIK.SM03.006.01	Memantau Pelayanan Prosedur Tingkat Layanan

090502 DISASTER RECOVERY/SPECIAL PROJECTS SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO496	Coordinates and manages all activities during the disaster recovery process
2	JANCO497	Coordinates and supervises all special projects relating to disaster recovery process and capacity.
3	JANCO525	Establishes procedures and priorities for the disaster recovery process.
4	JANCO546	Is knowledgeable and complies with mandated security, disaster recovery and business continuity, internal control, and financial reporting requirements including ISO 27031, Sarbanes-Oxley, and HIPAA.
5	JANCO581	Plans and charts the direction for the disaster recovery process
6	JANCO600	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion

- | | | |
|---|----------|---|
| 7 | JANCO604 | Reviews all insurance coverage in the event of a disaster and coordinating with the insurance claim department as necessary. A review of relevant coverage amounts should be performed at 3 month intervals to insure optimal coverage in the event of a disaster |
| 8 | JANCO614 | Strives to learn the job functions of the position's immediate superior as well as peer level positions with whom the individual interacts. It is the responsibility of the individual to be prepared for temporary re-assignment and/or promotion due to extension |

090503 APPLICATION ARCHITECTURE MAPPER

No	Kode Unit	Nama Unit Kompetensi
1	J.620200.002.01	Menetapkan Matriks, Diagram, dan Jenis Kebutuhan (Requirements) yang Diperlukan pada Arsitektur Bisnis
2	J.620200.004.01	Menyusun Roadmap Arsitektur Bisnis
3	J.620200.008.01	Menyusun Roadmap dan Komponen Arsitektur Data
4	J.620200.011.01	Menyusun Roadmap dan Komponen Arsitektur Aplikasi

090401 IT ENTERPRISE DESIGN COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO357	Coordinates information/data changes that occur as part of system life cycle to ensure consistency with the enterprise data/information model.
2	JANCO380	Coordinates with development teams and DBAs to ensure creation of physical database and an optimal implementation of the data models/database design.
3	JANCO489	Works in collaboration with project data modelers who are responsible for developing data models that support transaction processing (structured data) and/or information management and delivery (semi-structured and unstructured).

090301 IT ARCHITECTURE STAFF

No	Kode Unit	Nama Unit Kompetensi
1	JANCO399	Establishes procedures to enable tracking and enforcement of information standards.
2	JANCO449	Participates in the analysis, evaluation and development of enterprise long range strategic plans and operating plans to insure that the enterprise architecture objectives are consistent with long term business objectives

090201 IT ENTERPRISE ARCHITECTURE ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO419	Leads the development and maintenance of information management standards and conventions (e.g., naming standards, information architecture gates in the IT development projects, etc).
2	JANCO427	Maintains a library of the enterprise information models (i.e., information models, information flows, data dictionaries, etc) and develops/enforces the change control process for the Enterprise Information Architecture artifacts
3	JANCO463	Provides information administration guidelines and standards for business requirements analysis and enterprise modeling

090101 IT ENTERPRISE MANAGEMENT CLERK

No	Kode Unit	Nama Unit Kompetensi
1	JANCO396	Ensures system alignment with the information lifecycle.
2	JANCO453	Performs all responsibilities within the guidelines of enterprise policies and directives at or above the enterprise's performance and evaluation standard
3	JANCO473	Serves as a key member of the Enterprise Architecture Team.

10 IT SECURITY AND COMPLIANCE

100901 CHIEF CYBER SECURITY OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.002	Menyelaraskan penerapan prinsip perlindungan informasi dengan misi dan tujuan organisasi
2	J.62090.007	Mengelola siklus informasi (klasifikasi, kategorisasi, penanggung-jawab)
3	J.62090.008	Melaksanakan ketentuan hukum yang berlaku tentang keamanan informasi
4	J.62090.009	Mengelola prosedur keamanan informasi
5	J.62090.013	Mengelola proses sertifikasi dan akreditasi untuk keamanan informasi
6	J.62090.014	Melaksanakan alokasi pemisahan tugas---tugas
7	J.62090.015	Melaksanakan koordinasi dan pengarahan pelaksanaan tugas-tugas keamanan informasi
8	J.62090.016	Mengelola SDM yang terkait dengan tugas-tugas keamanan informasi
9	J.62090.017	Mengelola program peningkatan kepedulian dan pelatihan terkait dengan keamanan informasi
10	J.62090.018	Mengelola risiko keamanan informasi
11	J.62090.025	Mengelola sistem pertahanan dan perlindungan keamanan informasi
12	J.62090.031	Mengelola aspek keamanan sistem informasi pada setiap kegiatan <i>upgrade</i> /peremajaan sistem informasi
13	J.62090.038	Melaksanakan evaluasi kelemahan (<i>vulnerabilitas</i>) keamanan
14	J.62090.039	Mengimplementasikan koreksi atas kerentanan keamanan informasi
15	J.62090.043	Mengimplementasikan manajemen perbaikan/respon yang terkait dengan keamanan informasi
16	J.62090.045	Mengelola integritas informasi
17	J.62090.046	Mengelola penggunaan media penyimpanan sementara (<i>removable media</i>)
18	J.62090.047	Merancang dan mengelola sistem <i>backup</i>

100902 CHIEF COMPLIANCE OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	BSBMGT608C	Manage innovation and continuous improvement
2	ICADBS602A	Develop a knowledge management strategy
3	ICAICT605A	Implement a knowledge management strategy
4	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
5	ICANWK601A	Design and implement a security system
6	ICANWK616A	Manage security, privacy and compliance of cloud service deployment
7	ICAPMG607A	Manage and control IT project risks
8	ICASAD602A	Conduct knowledge audits
9	ICASAD607A	Manage assessment and validation of IT solutions
10	ICASAS601A	Implement change-management processes
11	ICTSUS6233A	Integrate sustainability in ICT planning and design projects
12	ICTSUS6234A	Establish a business case for sustainability and competitive advantage in ICT projects
13	ICTTEN5204A	Produce technical solutions from business specifications
14	ICTTEN6206A	Produce an ICT network architecture design
15	J.612000.029.01	Mengorganisasi dan mengatur proyek perencanaan jaringan terpadu
16	TIK.SM02.015.01	Mengesahkan dan menerapkan layanan kepada pengguna

100903 CHIEF SECURITY OFFICER(CSO)

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.002	Menyelaraskan penerapan prinsip perlindungan informasi dengan misi dan tujuan organisasi
2	J.62090.007	Mengelola siklus informasi (klasifikasi, kategorisasi, penanggung-jawab)
3	J.62090.008	Melaksanakan ketentuan hukum yang berlaku tentang keamanan informasi
4	J.62090.009	Mengelola prosedur keamanan informasi
5	J.62090.013	Mengelola proses sertifikasi dan akreditasi untuk keamanan informasi
6	J.62090.014	Melaksanakan alokasi pemisahan tugas-tugas
7	J.62090.015	Melaksanakan koordinasi dan pengarahan pelaksanaan tugas-tugas keamanan informasi
8	J.62090.016	Mengelola SDM yang terkait dengan tugas-tugas keamanan informasi
9	J.62090.017	Mengelola program peningkatan kepedulian dan pelatihan terkait dengan keamanan informasi

10	J.62090.018	Mengelola risiko keamanan informasi
11	J.62090.025	Mengelola sistem pertahanan dan perlindungan keamanan informasi
12	J.62090.031	Mengelola aspek keamanan sistem informasi pada setiap kegiatan <i>upgrade</i> /peremajaan sistem informasi
13	J.62090.038	Melaksanakan evaluasi kelemahan (<i>vulnerabilitas</i>) keamanan
14	J.62090.039	Mengimplementasikan koreksi atas kerentanan keamanan informasi
15	J.62090.043	Mengimplementasikan manajemen perbaikan/respon yang terkait dengan keamanan informasi
16	J.62090.045	Mengelola integritas informasi
17	J.62090.046	Mengelola penggunaan media penyimpanan sementara (<i>removable media</i>)
18	J.62090.047	Merancang dan mengelola sistem <i>backup</i>

100801 SAFETY AND SECURITY PROGRAM DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT701A	Lead research into identifying new marketplace opportunities
2	ICAICT702A	Direct ICT services
3	ICAICT703A	Endorse business plan components for a new initiative
4	ICAICT706A	Direct outsourced ICT services
5	ICAICT709A	Facilitate business analysis
6	ICAICT710A	Synchronise IT projects
7	ICAICT713A	Manage IT services
8	ICASUS702A	Conduct a business case study for integrating sustainability in IT planning and design projects
9	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI
10	TIK.SM02.015.01	Mengesahkan dan menerapkan layanan kepada pengguna
11	TIK.SM03.004.01	Menetapkan standar otorisasi akses di dalam organisasi
12	TIK.SM03.005.01	Menetapkan manajemen eskalasi terhadap permasalahan

100802 SARBANES-OXLEY COMPLIANCE DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBINN601B	Manage organisational change
2	BSBMGT608C	Manage innovation and continuous improvement
3	ICADBS602A	Develop a knowledge management strategy
4	ICAICT601A	Develop IT strategic and action plans
5	ICAICT602A	Develop contracts and manage contracted performance
6	ICAICT604A	Identify and implement business innovation

No	Kode Unit	Nama Unit Kompetensi
7	ICAICT605A	Implement a knowledge management strategy
8	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
9	ICANWK601A	Design and implement a security system
10	ICANWK613A	Develop plans to manage structured troubleshooting process of enterprise networks
11	ICAPMG609A	Plan and direct complex IT projects
12	ICASAD601A	Perform IT-focused enterprise analysis
13	ICASAD602A	Conduct knowledge audits
14	ICASAD603A	Plan and monitor business analysis activities in an IT environment
15	ICASAD605A	Elicit IT requirements
16	ICASAD606A	Analyse stakeholder requirements
17	ICASAD607A	Manage assessment and validation of IT solutions
18	ICASAS601A	Implement change-management processes
19	ICTSUS6233A	Integrate sustainability in ICT planning and design projects
20	ICTSUS6234A	Establish a business case for sustainability and competitive advantage in ICT projects
21	ICTTEN5204A	Produce technical solutions from business specifications
22	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI
23	TIK.SM02.015.01	Mengesahkan dan menerapkan layanan kepada pengguna
24	TIK.SM03.004.01	Menetapkan standar otorisasi akses di dalam organisasi
25	TIK.SM03.005.01	Menetapkan manajemen eskalasi terhadap permasalahan

100803 SYSTEMS DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBREL701A	Develop and cultivate collaborative partnerships and relationships
2	ICAICT701A	Lead research into identifying new marketplace opportunities
3	ICAICT702A	Direct ICT services
4	ICAICT703A	Endorse business plan components for a new initiative
5	ICAICT704A	Direct ICT in a supply chain
6	ICAICT705A	Direct ICT procurement
7	ICAICT706A	Direct outsourced ICT services
8	ICAICT708A	Direct the development of a knowledge management strategy for a business
9	ICAICT709A	Facilitate business analysis

No	Kode Unit	Nama Unit Kompetensi
10	ICAICT710A	Synchronise IT projects
11	ICAICT711A	Manage an information architecture project
12	ICAICT712A	Develop a business intelligence framework
13	ICAICT713A	Manage IT services
14	ICASUS701A	Plan and manage virtualisation for IT sustainability
15	ICASUS702A	Conduct a business case study for integrating sustainability in IT planning and design projects
16	ICASUS703A	Research strategies using SAP solutions for sustainable economic and environmental outcomes
17	ICTSUS7235A	Use ICT to improve sustainability outcomes
18	ICTSUS7236A	Manage improvements in ICT sustainability

100804 INFORMATION SECURITY DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	ICAICT605A	Implement a knowledge management strategy
3	ICANWK403A	Manage network and data integrity
4	ICANWK509A	Design and implement a security perimeter for ICT networks
5	ICANWK510A	Develop, implement and evaluate system and application security
6	ICANWK511A	Manage network security
7	ICANWK513A	Manage system security
8	ICAPMG606A	Manage IT project quality
9	ICAPMG607A	Manage and control IT project risks
10	ICASAS507A	Implement and evaluate systems for regulatory and stan compliance

100701 AUDITOR KEAMANAN JARINGAN(NETWORK SECURITY AUDITOR)

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.002	Menyelaraskan penerapan prinsip perlindungan informasi dengan misi dan tujuan organisasi
2	J.62090.008	Melaksanakan ketentuan hukum yang berlaku tentang keamanan informasi
3	J.62090.013	Mengelola proses sertifikasi dan akreditasi untuk keamanan informasi
4	J.62090.019	Melakukan kajian keamanan informasi
5	J.62090.021	Mengelola audit keamanan informasi
6	J.62090.022	Melakukan evaluasi kinerja keamanan informasi

No	Kode Unit	Nama Unit Kompetensi
7	J.62090.034	Mengkaji efektivitas penerapan kontrol akses
8	J.62090.036	Melaksanakan uji coba sistem pertahanan keamanan informasi
9	J.62090.037	Mendeteksi ekrentanan (<i>vulnerabilitas</i>) keamanan dan potensi pelanggaran
10	J.62090.038	Melaksanakan evaluasi kelemahan (<i>vulnerabilitas</i>) keamanan

100702 MANAJER KEAMANAN JARINGAN (NETWORK SECURITY MANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.001	Menerapkan prinsip perlindungan informasi
2	J.62090.002	Menyelaraskan penerapan prinsip perlindungan informasi dengan misi dan tujuan organisasi
3	J.62090.005	Menyusun dokumen kebijakan keamanan informasi
4	J.62090.007	Mengelola siklus informasi (klasifikasi, kategorisasi, penanggung-jawab)
5	J.62090.008	Melaksanakan ketentuan hukum yang berlaku tentang keamanan informasi
6	J.62090.009	Mengelola prosedur keamanan informasi
7	J.62090.013	Mengelola proses sertifikasi dan akreditasi untuk keamanan informasi
8	J.62090.016	Mengelola SDM yang terkait dengan tugas---tugas keamanan informasi
9	J.62090.017	Mengelola program peningkatan kepedulian dan pelatihan terkait dengan keamanan informasi
10	J.62090.018	Mengelola risiko keamanan informasi
11	J.62090.019	Melakukan kajian keamanan informasi
12	J.62090.021	Mengelola audit keamanan informasi
13	J.62090.022	Melakukan evaluasi kinerja keamanan informasi
14	J.62090.025	Mengelola sistem pertahanan dan perlindungan keamanan informasi
15	J.62090.028	Mengelola <i>script</i> keamanan informasi
16	J.62090.031	Mengelola aspek keamanan sistem informasi pada setiap kegiatan <i>upgrade</i> /peremajaan sistem informasi
17	J.62090.034	Mengkaji efektivitas penerapan kontrol akses
18	J.62090.035	Mengelola siklus pemberian akses
19	J.62090.038	Melaksanakan evaluasi kelemahan (<i>vulnerabilitas</i>) keamanan
20	J.62090.040	Mengelola insiden keamanan informasi
21	J.62090.042	Melakukan aktifitas penghapusan hak akses
22	J.62090.045	Mengelola integritas informasi
23	J.62090.047	Merancang dan mengelola sistem <i>backup</i>

24	M.702000.001.0	Menganalisis risiko audit teknologi informasi
25	M.702000.002.0	Menyusun rencana prosedur audit teknologi informasi
26	M.702000.010.0	Mengawasi kelayakan pelaksanaan prosedur audit teknologi informasi
27	M.702000.011.0	Mengawasi kelayakan dokumentasi hasil pelaksanaan prosedur audit teknologi informasi
28	M.702000.014.0	Mengidentifikasi tindak lanjut audit teknologi informasi
29	M.702000.015.0	Memverifikasi kelayakan tindak lanjut audit teknologi informasi
30	TIK.JK01.001.01	Melakukan komunikasi di tempat kerja
31	TIK.JK01.002.01	Melaksanakan pekerjaan secara individu dalam lingkungan organisasi TI
32	TIK.JK01.003.01	Melaksanakan pekerjaan secara tim
33	TIK.JK01.004.01	Melaksanakan dan menjaga etika profesi
34	TIK.JK03.005.01	Mengelola proses pengujian
35	TIK.JK03.009.01	Melakukan analisa teknologi baru
36	TIK.JK05.007.01	Menyiapkan rencana pemulihan pada saat ada kerusakan fatal
37	TIK.JK05.008.01	Mengelola keamanan sistem
38	TIK.JK05.010.01	Menjamin <i>privacy</i> (kerahasiaan) pengguna
39	TIK.JK05.012.01	Mengelola keamanan sistem jaringan

100703 MANAGER AUDIT TEKNOLOGI INFORMASI (INFORMATION TECHNOLOGY AUDIT MANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	M.702000.001.0	Menganalisis risiko audit teknologi informasi
2	M.702000.002.0	Menyusun rencana prosedur audit teknologi informasi
3	M.702000.003.0	Mengalokasikan sumber daya audit teknologi informasi
4	M.702000.010.0	Mengawasi kelayakan pelaksanaan prosedur audit teknologi informasi
5	M.702000.011.0	Mengawasi kelayakan dokumentasi hasil pelaksanaan prosedur audit teknologi informasi
6	M.702000.012.0	Menyusun hasil audit teknologi informasi
7	M.702000.013.0	Menyusun rekomendasi audit teknologi informasi
8	M.702000.014.0	Mengidentifikasi tindak lanjut audit teknologi informasi
9	M.702000.015.0	Memverifikasi kelayakan tindak lanjut audit teknologi informasi

100704 MANAGER CYBER SECURITY (CYBER SECURITYMANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.008	Melaksanakan ketentuan hukum yang berlaku tentang keamanan informasi
2	J.62090.010	Mengimplementasikan prosedur keamanan informasi dalam kegiatan pengadaan
3	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
4	J.62090.012	Mengaplikasikan ketentuan/persyaratan keamanan informasi
5	J.62090.014	Melaksanakan alokasi pemisahan tugas-tugas
6	J.62090.019	Melakukan kajian keamanan informasi
7	J.62090.025	Mengelola sistem pertahanan dan perlindungan keamanan informasi
8	J.62090.027	Mengimplementasikan konfigurasi keamanan informasi
9	J.62090.031	Mengelola aspek keamanan sistem informasi pada setiap kegiatan <i>upgrade</i> /peremajaan sistem informasi
10	J.62090.034	Mengkaji efektivitas penerapan kontrol akses
11	J.62090.035	Mengelola siklus pemberian akses
12	J.62090.036	Melaksanakan uji coba sistem pertahanan keamanan informasi
13	J.62090.037	Mendeteksi kerentanan (<i>vulnerabilitas</i>) keamanan dan potensi pelanggaran
14	J.62090.041	Menyediakan dukungan keamanan untuk permasalahan perangkat keras dan piranti lunak
15	J.62090.042	Melakukan aktifitas penghapusan hak akses
16	J.62090.044	Mengaplikasikan <i>patch</i> keamanan
17	J.62090.048	Melaksanakan kegiatan pemulihan data

100705 PENJAMIN KUALITAS TI (IT QUALITY ASSURANCE)

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.025.02	Melakukan <i>debugging</i>
2	J.620100.031.01	Melakukan <i>profiling</i> program
3	J.620100.033.02	Melaksanakan pengujian unit program
4	J.620100.034.02	Melaksanakan pengujian integrasi program
5	J.620100.035.02	Melaksanakan pengujian program sistem
6	J.620100.037.01	Melaksanakan <i>stress test</i>
7	M.702000.008.0	Melaksanakan prosedur audit atas aplikasi teknologi informasi
8	M.702000.009.0	Melaksanakan prosedur audit atas infrastruktur teknologi informasi
9	M.702000.012.0	Menyusun hasil audit teknologi informasi
10	M.702000.013.0	Menyusun rekomendasi audit teknologi informasi

- 11 TIK.SM02.011.01 Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI
- 12 TIK.SM03.006.01 Memantau pelayanan prosedur tingkat layanan

100706 AUDITOR AHLI TEKNOLOGI INFORMASI (INFORMATION TECHNOLOGY EXPERT AUDITOR)

No	Kode Unit	Nama Unit Kompetensi
1	M.702000.001.0	Menganalisis risiko audit teknologi informasi
2	M.702000.002.0	Menyusun rencana prosedur audit teknologi informasi
3	M.702000.010.0	Mengawasi kelayakan pelaksanaan prosedur audit teknologi informasi
4	M.702000.011.0	Mengawasi kelayakan dokumentasi hasil pelaksanaan prosedur audit teknologi informasi
5	M.702000.012.0	Menyusun hasil audit teknologi informasi
6	M.702000.013.0	Menyusun rekomendasi audit teknologi informasi

100707 SENIOR CYBER SECURITY ENGINEER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO227	Advises and updates department managers of company policy regarding staffing, compensation, and benefit programs.
2	JANCO241	Assist the General Manager as liaison with Corporate Human Resources and Counsel on personnel and labor related requirements.
3	JANCO339	Conducts exit interviews, develops emergency action plans, performs periodic wage surveys, schedules orientations, resolves compliance problems, maintains job descriptions, and counsels co-workers and/or management team members as required.
4	JANCO510	Develops and evaluates performance data for the preparation of the department and division budgets.
5	JANCO517	Directs, motivates, delegates, and empowers staff in the successful performance of tasks and responsibilities while encouraging innovation and teamwork.
6	JANCO521	Ensures the proper maintenance of co-worker files to accurately track and report information such as insurance coverage, training programs, profit sharing, emergency notification, employment history, accidents, occurrences, leaves, and vacation.
7	JANCO524	Establishes a working partnership with division management to facilitate the development and implementation of innovative processes and procedures to empower divisional staff while maintaining sound internal controls.
8	JANCO532	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personal illness, vacation or education.
9	JANCO541	Informs management of potential problems before they occur and communicates possible solutions.

10	JANCO543	Initiates programs for compliance with unique local or agency requirements such as ridesharing.
11	JANCO566	Monitors and controls performance, conducts variance analysis, and provides documentation when actual performance departs from planned performance and goals.
12	JANCO572	Oversees the preparation and distribution of all payroll checks and related reports ensuring the accuracy and confidentiality of the organization's payroll records.
13	JANCO573	Performs all responsibilities within the guidelines of corporate policies and directives at or above the company's performance and evaluation standards.
14	JANCO577	Performs hiring and termination of assigned co-workers along with preparation and/or approval of all reviews and related performance documentation.
15	JANCO580	Plans and carries out activities relating to all areas of employment responsibility including, but not limited to, recruiting, screening, and interviewing.
16	JANCO621	Trains, supervises, assigns projects, and evaluates staff to maintain optimum performance of job duties.
17	JANCO626	Aligning of IT sustainability strategy with core corporate sustainability goals.
18	JANCO626	Works with external auditors, tax advisors, labor organizations, and government agencies, as required.

100708 DATA SECURITY MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	ICAICT610A	Manage copyright, ethics and privacy in an IT environment
3	ICANWK605A	Design and configure secure integrated wireless systems
4	ICAPMG607A	Manage and control IT project risks
5	ICASAD604A	Manage and communicate IT solutions

100709 IT QUALITY CONTROL MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO008	Budgetary --- Has responsible for oversight and review of staffing, projects and performance of all computer and communications functions of the organization
2	JANCO012	Contract Review --- All contracts for computer and communication technology hardware, software and services will be subject to a review by the incumbent.
3	JANCO054	Has the authority to engage external consultants as necessary to assist in large Information Technology projects (within the guidelines established by the enterprise and IT).
4	JANCO055	Has the authority to recommend the purchase of equipment necessary

for the computer and communication technology operations (within the guidelines established by the enterprise and IT).

- 5 JANCO056 Hiring --- Will hire/terminate direct reports, as well as approve staff reporting to the direct reports. Included in this responsibility is the discipline, promotion, salary adjustment, etc., of staff including providing guidelines for all Information Techn

100710 SECURITY AND WORKSTATIONS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	BSBMGT608C	Manage innovation and continuous improvement
2	ICAICT603A	Manage the use of appropriate development methodologies
3	ICAICT604A	Identify and implement business innovation
4	ICAICT605A	Implement a knowledge management strategy
5	ICAICT608A	Interact with clients on a business level
6	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
7	ICAICT610A	Manage copyright, ethics and privacy in an IT environment
8	ICANWK601A	Design and implement a security system
9	ICANWK602A	Plan, configure and test advanced server based security
10	ICANWK606A	Implement voice applications over secure wireless networks
11	ICANWK607A	Design and implement wireless network security
12	ICANWK614A	Manage IT security
13	ICANWK616A	Manage security, privacy and compliance of cloud service deployment
14	ICASAD604A	Manage and communicate IT solutions
15	ICASAD606A	Analyse stakeholder requirements
16	ICASAS601A	Implement change-management processes
17	ICTTEN5204A	Produce technical solutions from business specifications
18	TIK.JK03.004.01	Mengevaluasi dan menegosiasi penawaran vendor
19	TIK.JK03.009.01	Melakukan analisa teknologi baru
20	TIK.JK05.003.01	Menentukan dan menyelesaikan masalah komputasi pada klien
21	TIK.SM01.006.01	Mengelola pekerjaan dalam proyek TI
22	TIK.SM01.010.01	Menjamin integritas informasi
23	TIK.SM02.002.01	Meningkatkan aspek ketersediaan dalam layanan TI
24	TIK.SM02.007.01	Mengatur otorisasi akses teknologi informasi
25	TIK.SM03.001.01	Menentukan arsitektur perangkat keras
26	TIK.SM03.002.01	Menentukan arsitektur perangkat lunak
27	TIK.SM03.007.01	Menyediakan manajemen teknis dari operasional teknologi informasi

100711 IT STANDARD IMPLEMENTATION MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.002	Menyelaraskan penerapan prinsip perlindungan informasi dengan misi dan tujuan organisasi
2	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
3	J.62090.012	Mengaplikasikan ketentuan/persyaratan keamanan informasi
4	J.62090.013	Mengelola proses sertifikasi dan akreditasi untuk keamanan informasi
5	J.62090.016	Mengelola SDM yang terkait dengan tugas-tugas keamanan informasi
6	M.702000.001.0	Menganalisis risiko audit teknologi informasi
7	M.702000.002.0	Menyusun rencana prosedur audit teknologi informasi
8	M.702000.010.0	Mengawasi kelayakan pelaksanaan prosedur audit teknologi informasi
9	M.702000.011.0	Mengawasi kelayakan dokumentasi hasil pelaksanaan prosedur audit teknologi informasi
10	TIK.JK01.001.01	Melakukan komunikasi ditempat kerja
11	TIK.JK01.002.01	Melaksanakan pekerjaan secara individu dalam lingkungan organisasi TI
12	TIK.JK01.003.01	Melaksanakan pekerjaan secara tim
13	TIK.JK01.004.01	Melaksanakan dan menjaga etika profesi
14	TIK.JK03.009.01	Melakukan analisa teknologi baru
15	TIK.JK05.008.01	Mengelola keamanan sistem
16	TIK.JK05.010.01	Menjamin privacy (kerahasiaan) pengguna
17	TIK.JK05.012.01	Mengelola keamanan sistem jaringan

100712 SAFETY AND SECURITY PROGRAM MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK616A	Manage security, privacy and compliance of cloud service deployment
2	ICAPMG607A	Manage and control IT project risks
3	ICASAD602A	Conduct knowledge audits
4	ICASAD607A	Manage assessment and validation of IT solutions
5	ICTSUS6233A	Integrate sustainability in ICT planning and design projects
6	ICTSUS6234A	Establish a business case for sustainability and competitive advantage in ICT projects
7	J.612000.033.01	Melakukan analisa kinerja jaringan terpadu
8	M.702000.001.0	Menganalisis risiko audit teknologi informasi
9	M.702000.014.0	Mengidentifikasi tindak lanjut audit teknologi informasi
10	TIK.JK03.004.01	Mengevaluasi dan menegosiasi penawaran vendor
11	TIK.JK03.009.01	Melakukan analisa teknologi baru

- 12 TIK.JK05.003.01 Menentukan dan menyelesaikan masalah komputasi pada klien
- 13 TIK.SM01.002.01 Menerapkan prosedur kesehatan, keselamatan dan keamanan kerja (K3)
- 14 TIK.SM01.005.01 Melaksanakan dan menjaga etika profesi
- 15 TIK.SM01.006.01 Mengelola pekerjaan dalam proyek TI
- 16 TIK.SM01.010.01 Menjamin integritas informasi
- 17 TIK.SM02.001.01 Mengelola kemampuan dan fungsionalitas dari seluruh komponen TI
- 18 TIK.SM02.002.01 Meningkatkan aspek ketersediaan dalam layanan TI
- 19 TIK.SM02.005.01 Mengendalikan aset dan seluruh sumber daya pelayanan TI
- 20 TIK.SM02.007.01 Mengatur otorisasi akses teknologi informasi
- 21 TIK.SM03.001.01 Menentukan arsitektur perangkat keras
- 22 TIK.SM03.002.01 Menentukan arsitektur perangkat lunak
- 23 TIK.SM03.003.01 Menyediakan tim operasional pendukung sistem
- 24 TIK.SM03.006.01 Memantau pelayanan prosedur tingkat layanan

100713 CHANGE CONTROL MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO005	Approve change management control procedures.
2	JANCO086	Manages change management control personnel.

100714 SARBANES-OXLEY COMPLIANCE MANGER

No	Kode Unit	Nama Unit Kompetensi
1	BSBINN601B	Manage organisational change
2	BSBMGT608C	Manage innovation and continuous improvement
3	ICADBS602A	Develop a knowledge management strategy
4	ICAICT601A	Develop IT strategic and action plans
5	ICAICT602A	Develop contracts and manage contracted performance
6	ICAICT604A	Identify and implement business innovation
7	ICAICT605A	Implement a knowledge management strategy
8	ICANWK601A	Design and implement a security system
9	ICANWK613A	Develop plans to manage structured troubleshooting process of enterprise networks
10	ICAPMG609A	Plan and direct complex IT projects
11	ICASAD601A	Perform IT-focused enterprise analysis
12	ICASAD602A	Conduct knowledge audits
13	ICASAD603A	Plan and monitor business analysis activities in an IT environment

14	ICASAD605A	Elicit IT requirements
15	ICASAD606A	Analyse stakeholder requirements
16	ICASAD607A	Manage assessment and validation of IT solutions
17	ICASAS601A	Implement change-management processes
18	ICTSUS6233A	Integrate sustainability in ICT planning and design projects
19	ICTSUS6234A	Establish a business case for sustainability and competitive advantage in ICT projects
20	ICTTEN5204A	Produce technical solutions from business specifications
21	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI
22	TIK.SM02.015.01	Mengesahkan dan menerapkan layanan kepada pengguna
23	TIK.SM03.004.01	Menetapkan standar otorisasi akses di dalam organisasi
24	TIK.SM03.005.01	Menetapkan manajemen eskalasi terhadap permasalahan

100715 QUALITY ASSURANCEMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.025.02	Melakukan <i>debugging</i>
2	J.620100.031.01	Melakukan <i>profiling</i> program
3	J.620100.033.02	Melaksanakan pengujian unit program
4	J.620100.034.02	Melaksanakan pengujian integrasi program
5	J.620100.035.02	Melaksanakan pengujian program sistem
6	J.620100.037.01	Melaksanakan <i>stress test</i>
7	M.702000.008.0	Melaksanakan prosedur audit atas aplikasi teknologi informasi
8	M.702000.009.0	Melaksanakan prosedur audit atas infrastruktur teknologi informasi
9	M.702000.012.0	Menyusun hasil audit teknologi informasi
10	M.702000.013.0	Menyusun rekomendasi audit teknologi informasi
11	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI
12	TIK.SM03.006.01	Memantau pelayanan prosedur tingkat layanan

100716 INFORMATION SECURITYMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	ICAICT605A	Implement a knowledge management strategy
3	ICAPMG606A	Manage IT project quality
4	ICAPMG607A	Manage and control IT project risks

100717 ADVANCE NETWORK SECURITY ENGINEER

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.001	Menerapkan prinsip perlindungan informasi
2	J.62090.002	Menyelaraskan penerapan prinsip perlindungan informasi dengan misi dan tujuan organisasi
3	J.62090.005	Menyusun dokumen kebijakan keamanan informasi
4	J.62090.007	Mengelola siklus informasi (klasifikasi, kategorisasi, penanggung-jawab)
5	J.62090.008	Melaksanakan ketentuan hukum yang berlaku tentang keamanan informasi
6	J.62090.009	Mengelola prosedur keamanan informasi
7	J.62090.013	Mengelola proses sertifikasi dan akreditasi untuk keamanan informasi
8	J.62090.016	Mengelola SDM yang terkait dengan tugas---tugas keamanan informasi
9	J.62090.017	Mengelola program peningkatan kepedulian dan pelatihan terkait dengan keamanan informasi
10	J.62090.018	Mengelola risiko keamanan informasi
11	J.62090.019	Melakukan kajian keamanan informasi
12	J.62090.021	Mengelola audit keamanan informasi
13	J.62090.022	Melakukan evaluasi kinerja keamanan informasi
14	J.62090.025	Mengelola sistem pertahanan dan perlindungan keamanan informasi
15	J.62090.028	Mengelola <i>script</i> keamanan informasi
16	J.62090.031	Mengelola aspek keamanan sistem informasi pada setiap kegiatan <i>upgrade</i> /peremajaan sistem informasi
17	J.62090.034	Mengkaji efektivitas penerapan kontrol akses
18	J.62090.035	Mengelola siklus pemberian akses
19	J.62090.038	Melaksanakan evaluasi kelemahan (<i>vulnerabilitas</i>) keamanan
20	J.62090.040	Mengelola insiden keamanan informasi
21	J.62090.042	Melakukan aktifitas penghapusan hak akses
22	J.62090.045	Mengelola integritas informasi
23	J.62090.047	Merancang dan mengelola sistem <i>backup</i>
24	M.702000.001.0	Menganalisis risiko audit teknologi informasi
25	M.702000.002.0	Menyusun rencana prosedur audit teknologi informasi
26	M.702000.010.0	Mengawasi kelayakan pelaksanaan prosedur audit teknologi informasi
27	M.702000.011.0	Mengawasi kelayakan dokumentasi hasil pelaksanaan prosedur audit teknologi informasi
28	M.702000.014.0	Mengidentifikasi tindak lanjut audit teknologi informasi

No	Kode Unit	Nama Unit Kompetensi
29	M.702000.015.0	Memverifikasi kelayakan tindak lanjut audit teknologi informasi
30	TIK.JK01.001.01	Melakukan komunikasi ditempat kerja
31	TIK.JK01.002.01	Melaksanakan pekerjaan secara individu dalam lingkungan organisasi TI
32	TIK.JK01.003.01	Melaksanakan pekerjaan secara tim
33	TIK.JK01.004.01	Melaksanakan dan menjaga etika profesi
34	TIK.JK03.005.01	Mengelola proses pengujian
35	TIK.JK03.009.01	Melakukan analisa teknologi baru
36	TIK.JK05.007.01	Menyiapkan rencana pemulihan pada saat ada kerusakan fatal
37	TIK.JK05.008.01	Mengelola keamanan sistem
38	TIK.JK05.010.01	Menjamin <i>privacy</i> (kerahasiaan) pengguna
39	TIK.JK05.012.01	Mengelola keamanan sistem jaringan

100718 CYBER SECURITY ENGINEER

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.001	Menerapkan prinsip perlindungan informasi
2	J.62090.002	Menyelaraskan penerapan prinsip perlindungan informasi dengan misi dan tujuan organisasi
3	J.62090.006	Melaksanakan kebijakan keamanan informasi
4	J.62090.007	Mengelola siklus informasi (klasifikasi, kategorisasi, penanggung-jawab)
5	J.62090.008	Melaksanakan ketentuan hukum yang berlaku tentang keamanan informasi
6	J.62090.010	Mengimplementasikan prosedur keamanan informasi dalam kegiatan pengadaan
7	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
8	J.62090.012	Mengaplikasikan ketentuan/persyaratan keamanan informasi
9	J.62090.013	Mengelola proses sertifikasi dan akreditasi untuk keamanan informasi
10	J.62090.016	Mengelola SDM yang terkait dengan tugas-tugas keamanan informasi
11	J.62090.020	Mengelola <i>log</i>
12	J.62090.023	Mengelola keamanan fisik
13	J.62090.025	Mengelola sistem pertahanan dan perlindungan keamanan informasi
14	J.62090.026	Menyediakan dukungan keamanan bagi pengguna
15	J.62090.028	Mengelola <i>script</i> keamanan informasi
16	J.62090.031	Mengelola aspek keamanan sistem informasi pada setiap kegiatan upgrade/peremajaan sistem informasi
17	J.62090.032	Menerapkan kontrol akses berdasarkan konsep/metodologi yang telah ditetapkan

No	Kode Unit	Nama Unit Kompetensi
18	J.62090.033	Mengidentifikasi serangan-serangan terhadap kontrol akses
19	J.62090.036	Melaksanakan uji coba sistem pertahanan keamanan informasi
20	J.62090.037	Mendeteksi kerentanan (<i>Vulnerabilitas</i>) keamanan dan potensi pelanggaran
21	J.62090.039	Mengimplementasikan koreksi atas kerentanan keamanan informasi
22	J.62090.040	Mengelola insiden keamanan informasi
23	J.62090.041	Menyediakan dukungan keamanan untuk permasalahan perangkat keras dan piranti lunak
24	J.62090.043	Mengimplementasikan manajemen perbaikan/respon yang terkait dengan keamanan informasi
25	J.62090.044	Mengaplikasikan <i>patch</i> keamanan
26	J.62090.046	Mengelola penggunaan media penyimpanan sementara (<i>removable media</i>)
27	J.62090.047	Merancang dan mengelola sistem <i>backup</i>
28	J.62090.048	Melaksanakan kegiatan pemulihan data
29	TIK.JK01.001.01	Melakukan komunikasi ditempat kerja
30	TIK.JK01.002.01	Melaksanakan pekerjaan secara individu dalam lingkungan organisasi TI
31	TIK.JK01.003.01	Melaksanakan pekerjaan secara tim
32	TIK.JK01.004.01	Melaksanakan dan menjaga etika profesi
33	TIK.JK03.005.01	Mengelola proses pengujian
34	TIK.JK03.010.01	Melakukan migrasi ke teknologi baru
35	TIK.JK05.008.01	Mengelola keamanan sistem
36	TIK.JK05.010.01	Menjamin <i>privacy</i> (kerahasiaan) pengguna
37	TIK.JK05.012.01	Mengelola keamanan sistem jaringan

100719 JUNIOR NETWORK SECURITY ENGINEER

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.001	Menerapkan prinsip perlindungan informasi
2	J.62090.002	Menyelaraskan penerapan prinsip perlindungan informasi dengan misi dan tujuan organisasi
3	J.62090.003	Menerapkan prinsip keamanan informasi untuk penggunaan jaringan internet
4	J.62090.004	Menerapkan prinsip keamanan informasi pada transaksi elektronik
5	J.62090.006	Melaksanakan kebijakan keamanan informasi
6	J.62090.007	Mengelola siklus informasi (klasifikasi, kategorisasi, penanggung-jawab)
7	J.62090.008	Melaksanakan Ketentuan Hukum yang Berlaku tentang Keamanan Informasi

No	Kode Unit	Nama Unit Kompetensi
8	J.62090.009	Mengelola prosedur keamanan informasi
9	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
10	J.62090.012	Mengaplikasikan ketentuan/persyaratan keamanan informasi
11	J.62090.014	Melaksanakan alokasi pemisahan tugas-tugas
12	J.62090.015	Melaksanakan Koordinasi dan Pengarahan Pelaksanaan Tugas-Tugas Keamanan Informasi
13	J.62090.020	Mengelola log
14	J.62090.023	Mengelola keamanan fisik
15	J.62090.026	Menyediakan dukungan keamanan bagi pengguna
16	J.62090.027	Mengimplementasikan konfigurasi keamanan informasi
17	J.62090.028	Mengelola <i>script</i> keamanan informasi
18	J.62090.031	Mengelola Aspek Keamanan Sistem Informasi pada Setiap Kegiatan Upgrade/Peremajaan Sistem Informasi
19	J.62090.032	Menerapkan kontrol akses berdasarkan konsep/metodologi yang telah ditetapkan
20	J.62090.033	Mengidentifikasi serangan-serangan terhadap kontrol akses
21	J.62090.036	Melaksanakan uji coba sistem pertahanan keamanan informasi
22	J.62090.037	Mendeteksi kerentanan (vulnerabilitas) keamanan dan potensi pelanggaran
23	J.62090.039	Mengimplementasikan koreksi atas kerentanan keamanan informasi
24	J.62090.040	Mengelola insiden keamanan informasi
25	J.62090.041	Menyediakan dukungan keamanan untuk permasalahan perangkat keras dan piranti lunak
26	J.62090.043	Mengimplementasikan manajemen perbaikan/respon yang terkait dengan keamanan informasi
27	J.62090.044	Mengaplikasikan <i>patch</i> keamanan
28	J.62090.046	Mengelola penggunaan media penyimpanan sementara (<i>removable media</i>)
29	J.62090.047	Merancang dan mengelola sistem backup
30	J.62090.048	Melaksanakan kegiatan pemulihan data
31	TIK.JK01.001.01	Melakukan komunikasi ditempat kerja
32	TIK.JK01.002.01	Melaksanakan pekerjaan secara individu dalam lingkungan organisasi TI
33	TIK.JK01.003.01	Melaksanakan pekerjaan secara tim
34	TIK.JK01.004.01	Melaksanakan dan menjaga etika profesi
35	TIK.JK03.005.01	Mengelola proses pengujian
36	TIK.JK03.010.01	Melakukan migrasi ke teknologi baru
37	TIK.JK05.008.01	Mengelola keamanan sistem

No	Kode Unit	Nama Unit Kompetensi
38	TIK.JK05.010.01	Menjamin <i>privacy</i> (kerahasiaan) pengguna
39	TIK.JK05.012.01	Mengelola Keamanan Sistem Jaringan

100601 CYBER SECURITY ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.001	Menerapkan prinsip perlindungan informasi
2	J.62090.003	Menerapkan prinsip keamanan informasi untuk penggunaan jaringan internet
3	J.62090.004	Menerapkan prinsip keamanan informasi pada transaksi elektronik
4	J.62090.005	Menyusun dokumen kebijakan keamanan informasi
5	J.62090.006	Melaksanakan kebijakan keamanan informasi
6	J.62090.012	Mengaplikasikan ketentuan/persyaratan keamanan informasi
7	J.62090.020	Mengelola log
8	J.62090.024	Melaksanakan pencatatan asset
9	J.62090.032	Menerapkan kontrol akses berdasarkan konsep/metodologi yang telah ditetapkan
10	J.62090.033	Mengidentifikasi Serangan-Serangan Terhadap Kontrol Akses
11	J.620900.026.02	Melakukan instalasi software aplikasi

100602 IT AUDITOR

No	Kode Unit	Nama Unit Kompetensi
1	ICASAD602A	Conduct knowledge audits
2	ICASAD603A	Plan and monitor business analysis activities in an IT environment
3	ICASAD607A	Manage assessment and validation of IT solutions
4	M.702000.001.0	Menganalisis risiko Audit Teknologi Informasi
5	M.702000.001.0	Menyusun rencana prosedur Audit Teknologi Informasi
6	M.702000.001.0	Mengalokasikan sumberdaya audit Teknologi Informasi
7	M.702000.001.0	Melaksanakan prosedur audit atas perencanaan Audit Teknologi Informasi
8	M.702000.001.0	Melaksanakan prosedur audit atas pengembangan Audit Teknologi Informasi
9	M.702000.002.0	Menyusun rencana prosedur Audit Teknologi Informasi
10	M.702000.003.0	Mengalokasikan sumber daya Audit Teknologi Informasi
11	M.702000.004.0	Melaksanakan prosedur audit atas perencanaan Teknologi Informasi
12	M.702000.005.0	Melaksanakan prosedur audit atas pengembangan Teknologi Informasi
13	M.702000.006.0	Melaksanakan prosedur audit atas operasional Teknologi Informasi

No	Kode Unit	Nama Unit Kompetensi
14	M.702000.007.0	Melaksanakan prosedur audit atas pemantauan Teknologi Informasi
15	M.702000.008.0	Melaksanakan prosedur audit atas aplikasi Teknologi Informasi
16	M.702000.009.0	Melaksanakan prosedur audit atas infrastruktur Teknologi Informasi
17	M.702000.010.0	Mengawasi kelayakan pelaksanaan prosedur Audit Teknologi Informasi
18	M.702000.011.0	Mengawasi kelayakan dokumentasi hasil pelaksanaan prosedur Audit Teknologi Informasi
19	M.702000.012.0	Menyusun hasil Audit Teknologi Informasi
20	M.702000.013.0	Menyusun rekomendasi Audit Teknologi Informasi
21	M.702000.014.0	Mengidentifikasi tindak lanjut Audit Teknologi Informasi
22	M.702000.015.0	Memverifikasi kelayakan tindak lanjut Audit Teknologi Informasi

100603 AUDITOR MADYA TEKNOLOGI INFORMASI

No	Kode Unit	Nama Unit Kompetensi
1	M.702000.004.0	Melaksanakan prosedur audit atas perencanaan Teknologi Informasi
2	M.702000.005.0	Melaksanakan prosedur audit atas pengembangan Teknologi Informasi
3	M.702000.006.0	Melaksanakan prosedur audit atas operasional Teknologi Informasi
4	M.702000.007.0	Melaksanakan prosedur audit atas pemantauan Teknologi Informasi
5	M.702000.008.0	Melaksanakan prosedur audit atas aplikasi Teknologi Informasi
6	M.702000.009.0	Melaksanakan prosedur audit atas infrastruktur Teknologi Informasi
7	M.702000.010.0	Mengawasi kelayakan pelaksanaan prosedur Audit Teknologi Informasi
8	M.702000.011.0	Mengawasi kelayakan dokumentasi hasil pelaksanaan prosedur Audit Teknologi Informasi
9	M.702000.014.0	Mengidentifikasi tindak lanjut Audit Teknologi Informasi
10	M.702000.015.0	Memverifikasi kelayakan tindak lanjut Audit Teknologi Informasi

100604 IT QUALITY MEASUREMENT ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	CMU/SEI-2004-T	Automated tools and manual forms associated with artifact inspections and testing
2	CMU/SEI-2004-T	Facilitated work sessions
3	CMU/SEI-2004-T	Formatted results with interpretation and recommendations
4	CMU/SEI-2004-T	Inspection database or test results database
5	CMU/SEI-2004-T	Literature review, elicitation
6	CMU/SEI-2004-T	Procedure /process mapping (and potentially design if a current void)
7	CMU/SEI-2004-T	See Requirements Engineering; also elicitation practice area
8	CMU/SEI-2004-T	Specified in Step 4

100501 JUNIOR CYBERSECURITY (CYBERSECURITY JUNIOR)

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.001	Menerapkan prinsip perlindungan informasi
2	J.62090.003	Menerapkan Prinsip Keamanan Informasi untuk Penggunaan Jaringan Internet
3	J.62090.004	Menerapkan prinsip keamanan informasi pada transaksi elektronik
4	J.62090.006	Melaksanakan kebijakan keamanan informasi
5	J.62090.012	Mengaplikasikan ketentuan/persyaratan keamanan informasi
6	J.62090.020	Mengelola log
7	J.62090.032	Menerapkan kontrol akses berdasarkan konsep/metodologi yang telah ditetapkan

100502 DATA SECURITY ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT405A	Develop detailed technical design
2	ICAICT410A	Conduct post-implementation IT system reviews
3	ICANWK301A	Provide network systems administration
4	ICANWK302A	Identify and resolve network problems
5	ICANWK601A	Design and implement a security system
6	ICANWK602A	Plan, configure and test advanced server based security
7	ICANWK605A	Design and configure secure integrated wireless systems
8	ICANWK614A	Manage IT security
9	ICASAS301A	Run standard diagnostic tests
10	ICASAS304A	Provide basic system administration
11	ICASAS306A	Maintain equipment and software
12	TIK.JK02.004.01	Mendesain sistem keamanan jaringan
13	TIK.JK05.008.01	Mengelola keamanan sistem
14	TIK.JK05.011.01	Memonitor dan mengadministrasi keamanan jaringan
15	TIK.PR04.002.01	Menerapkan keamanan web
16	TIK.SM01.002.01	Menerapkan prosedur Kesehatan, Keselamatan dan Keamanan Kerja (K3)

100503 INFORMATION SECURITY ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBSUS301A	Implement and monitor environmentally sustainable work practices
2	BSBWHS304A	Participate effectively in WHS communication and consultation processes
3	ICAICT401A	Determine and confirm client business requirements
4	ICAICT402A	Determine project specifications and secure client agreement
5	ICASAS306A	Maintain equipment and software

100504 SAFETY AND SECURITY PROGRAMS SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO013	Contribute to the on-going recruitment, training, and development of accounting personnel in direct support of Information Technology's goals
2	JANCO061	Identify potential service level and process problems before they occur and implement solutions
3	JANCO074	Lead and/or contribute to projects/committees that establish guidelines, set procedures and standards, and monitor for compliance therewith
4	JANCO114	Provide support to corporate and divisional accounting personnel in the appropriate recording of corporate and divisional transactions and preparation of consolidated financial and managerial reports
5	JANCO137	Schedule and prioritize work to accommodate corporate and customer needs while minimizing impact on current projects
6	JANCO151	Work with all departments to ensure that appropriate policies, procedures, and controls are in place and maintained. Immediately notify senior management of any malfeasance by Information Technology's personnel

100505 INFORMATION SECURITY SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBSUS301A	Implement and monitor environmentally sustainable work practices
2	BSBWHS304A	Participate effectively in WHS communication and consultation processes
3	ICAICT401A	Determine and confirm client business requirements
4	ICAICT402A	Determine project specifications and secure client agreement
5	ICASAS306A	Maintain equipment and software

100506 IT SECURITY MANagementsUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.001	Menerapkan prinsip perlindungan informasi
2	J.62090.003	Menerapkan prinsip keamanan informasi untuk penggunaan jaringan internet
3	J.62090.004	Menerapkan prinsip keamanan informasi pada transaksi elektronik
4	J.62090.005	Menyusun dokumen kebijakan keamanan informasi
5	J.62090.006	Melaksanakan kebijakan keamanan informasi
6	J.62090.007	Mengelola siklus informasi (klasifikasi, kategorisasi, penanggung-jawab)
7	J.62090.009	Mengelola prosedur keamanan informasi
8	J.62090.010	Mengimplementasikan prosedur keamanan informasi dalam kegiatan pengadaan
9	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
10	J.62090.012	Mengaplikasikan ketentuan/persyaratan keamanan informasi
11	J.62090.014	Melaksanakan alokasi pemisahan tugas-tugas
12	J.62090.015	Melaksanakan koordinasi dan pengarahan pelaksanaan tugas-tugas keamanan informasi
13	J.62090.020	Mengelola log
14	J.62090.023	Mengelola keamanan fisik
15	J.62090.024	Melaksanakan pencatatan asset
16	J.62090.025	Mengelola sistem pertahanan dan perlindungan keamanan informasi
17	J.62090.026	Menyediakan dukungan keamanan bagi pengguna
18	J.62090.027	Mengimplementasikan konfigurasi keamanan informasi
19	J.62090.028	Mengelola <i>script</i> keamanan informasi
20	J.62090.029	Mengelola perimeter keamanan
21	J.62090.030	Melakukan instalasi piranti lunak
22	J.62090.031	Mengelola aspek keamanan sistem informasi pada setiap kegiatan upgrade/peremajaan sistem informasi
23	J.62090.032	Menerapkan kontrol akses berdasarkan konsep/metodologi yang telah ditetapkan
24	J.62090.033	Mengidentifikasi serangan-serangan terhadap kontrol akses
25	J.62090.035	Mengelola siklus pemberian akses
26	J.62090.036	Melaksanakan uji coba sistem pertahanan keamanan informasi
27	J.62090.037	Mendeteksi kerentanan (vulnerabilitas) keamanan dan potensi pelanggaran
28	J.62090.038	Melaksanakan evaluasi kelemahan (vulnerabilitas) keamanan
29	J.62090.039	Mengimplementasikan koreksi atas kerentanan keamanan informasi
30	J.62090.041	Menyediakan dukungan keamanan untuk permasalahan perangkat keras dan piranti lunak
31	J.62090.042	Melakukan aktifitas penghapusan hak akses
32	J.62090.043	Mengimplementasikan manajemen perbaikan/respon yang terkait dengan keamanan informasi
33	J.62090.044	Mengaplikasikan <i>patch</i> keamanan
34	J.62090.045	Mengelola integritas informasi
35	J.62090.046	Mengelola penggunaan media penyimpanan sementara (<i>removable media</i>)
36	J.62090.048	Melaksanakan kegiatan pemulihan data

100507 SOFTWARE QUALITY ASSURANCE TESTER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT509A	Gather data to identify business requirements
2	ICAICT510A	Determine appropriate IT strategies and solutions
3	ICANWK515A	Develop configuration management protocols
4	ICANWK534A	Monitor and troubleshoot virtual computing environments

100401 IT SECURITY MANAGEMENT COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.001	Menerapkan prinsip perlindungan informasi
2	J.62090.003	Menerapkan prinsip keamanan informasi untuk penggunaan jaringan internet
3	J.62090.004	Menerapkan prinsip keamanan informasi pada transaksi elektronik
4	J.62090.006	Melaksanakan kebijakan keamanan informasi
5	J.62090.010	Mengimplementasikan prosedur keamanan informasi dalam kegiatan pengadaan
6	J.62090.011	Menerapkan Standar-Standar Keamanan Informasi yang Berlaku
7	J.62090.012	Mengaplikasikan ketentuan/persyaratan keamanan informasi
8	J.62090.014	Melaksanakan alokasi pemisahan tugas-tugas
9	J.62090.015	Melaksanakan koordinasi dan pengarahan pelaksanaan tugas-tugas keamanan informasi
10	J.62090.020	Mengelola log
11	J.62090.023	Mengelola keamanan fisik
12	J.62090.024	Melaksanakan pencatatan asset
13	J.62090.025	Mengelola sistem pertahanan dan perlindungan keamanan informasi
14	J.62090.026	Menyediakan dukungan keamanan bagi pengguna
15	J.62090.027	Mengimplementasikan konfigurasi keamanan informasi
16	J.62090.028	Mengelola script keamanan informasi
17	J.62090.029	Mengelola perimeter keamanan
18	J.62090.030	Melakukan instalasi piranti lunak
19	J.62090.031	Mengelola aspek keamanan sistem informasi pada setiap kegiatan upgrade/peremajaan sistem informasi
20	J.62090.032	Menerapkan kontrol akses berdasarkan konsep/metodologi yang telah ditetapkan
21	J.62090.035	Mengelola siklus pemberian akses
22	J.62090.036	Melaksanakan uji coba sistem pertahanan keamanan informasi
23	J.62090.039	Mengimplementasikan koreksi atas kerentanan keamanan informasi

24	J.62090.041	Menyediakan dukungan keamanan untuk permasalahan perangkat keras dan piranti lunak
25	J.62090.042	Melakukan aktifitas penghapusan hak akses
26	J.62090.044	Mengaplikasikan patch keamanan
27	J.62090.045	Mengelola integritas informasi

100402 QUALITY ASSURANCESPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	ICAPMG501A	Manage IT projects
2	ICAPRG502A	Manage a project using software management tools
3	ICAPRG516A	Develop integration blueprint for IT systems
4	ICAPRG529A	Apply testing techniques for software development

100403 INFORMATION SYSTEMSPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	CUFPOS402A	Manage media assets
2	ICADBS501A	Monitor and improve knowledge management system
3	ICADBS503B	Create a data warehouse
4	ICAICT503A	Validate quality and completeness of system design specifications
5	ICAICT507A	Select new technology models for business
6	ICASAS507A	Implement and evaluate systems for regulatory and standards compliance

100404 CYBER SECURITYSPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS501A	Monitor and improve knowledge management system
2	ICAICT501A	Research and review hardware technology options for organizations
3	ICAICT503A	Validate quality and completeness of system design specifications
4	ICAICT511A	Match IT needs with the strategic direction of the enterprise
5	ICTSUS4183A	Install and test renewable energy system for ICT networks
6	ICTTEN4198A	Install, configure and test an internet protocol network
7	ICTTEN4213A	Configure and troubleshoot advanced network switching

100301 IT SECURITY MANAGEMENT STAFF

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.001	Menerapkan prinsip perlindungan informasi
2	J.62090.003	Menerapkan prinsip keamanan informasi untuk penggunaan jaringan internet

3	J.62090.004	Menerapkan prinsip keamanan informasi pada transaksi elektronik
4	J.62090.006	Melaksanakan kebijakan keamanan informasi
5	J.62090.011	Menerapkan Standar-Standar Keamanan Informasi yang Berlaku
6	J.62090.012	Mengaplikasikan ketentuan/persyaratan keamanan informasi
7	J.62090.023	Mengelola keamanan fisik
8	J.62090.024	Melaksanakan pencatatan asset
9	J.62090.026	Menyediakan dukungan keamanan bagi pengguna
10	J.62090.028	Mengelola script keamanan informasi
11	J.62090.030	Melakukan instalasi piranti lunak
12	J.62090.032	Menerapkan kontrol akses berdasarkan konsep/metodologi yang telah ditetapkan
13	J.62090.042	Melakukan aktifitas penghapusan hak akses

100201 IT SECURITY MANAGEMENT ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.001	Menerapkan prinsip perlindungan informasi
2	J.62090.003	Menerapkan prinsip keamanan informasi untuk penggunaan jaringan internet
3	J.62090.004	Menerapkan prinsip keamanan informasi pada transaksi elektronik
4	J.62090.006	Melaksanakan kebijakan keamanan informasi
5	J.62090.011	Menerapkan standar-standar keamanan informasi yang berlaku
6	J.62090.012	Mengaplikasikan ketentuan/persyaratan keamanan informasi
7	J.62090.023	Mengelola keamanan fisik
8	J.62090.024	Melaksanakan pencatatan asset
9	J.62090.026	Menyediakan dukungan keamanan bagi pengguna

100101 IT SECURITY MANAGEMENT CLERK

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.001	Menerapkan prinsip perlindungan informasi
2	J.62090.003	Menerapkan prinsip keamanan informasi untuk penggunaan jaringan internet
3	J.62090.004	Menerapkan prinsip keamanan informasi pada transaksi elektronik
4	J.62090.006	Melaksanakan kebijakan keamanan informasi
5	J.62090.012	Mengaplikasikan ketentuan/persyaratan keamanan informasi
6	J.62090.023	Mengelola keamanan fisik

11 IT SERVICES MANAGEMENT SYSTEM

110901 CHIEF IT SERVICES OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO538	Implements and monitors compliance with statements of policies and procedures to assure proper documentation and communication of necessary controls
2	JANCO545	Interacts frequently with all SBU management on internal and external operations that are impacted by the capture, storage, processing and dissemination of information including review and approval of all major contracts for services and equipment in both the enterprise and SBUs Information Technology groups
3	JANCO561	Manages effective working relationships with other departments, groups and personnel with whom work must be coordinated or interfaced
4	JANCO585	Prepares enterprise objectives and budgets to facilitate the orderly and efficient capture, storage, processing and dissemination of information
5	JANCO587	Prepares quarterly and annual reports on the operations of the enterprise Information Technology operations of the enterprise

110801 VICE PRESIDENT CONSULTING SERVICES

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT701A	Lead research into identifying new marketplace opportunities
2	ICAICT702A	Direct ICT services
3	JANCO029	Develops long range information architecture and strategy.
4	JANCO119	Provides consulting support to enterprise customers (both internal and external) to maximize revenue and margin for the enterprise.
5	JANCO122	Provides leadership role in design and implementation of application architecture. Provides support to SBUs and external groups in the use of enterprise systems.
6	JANCO144	Supports growth of firm, both internally generated and externally created or acquired. Reviews the status of all major development projects which are undertaken by any IT function within the enterprise

110802 PRODUCTION SERVICES/DATA CENTER DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT701A	Lead research into identifying new marketplace opportunities
2	ICAICT702A	Direct ICT services
3	ICAICT703A	Endorse business plan components for a new initiative
4	ICAICT708A	Direct the development of a knowledge management strategy for a business
5	JANCO066	Insures that batch production scheduling and report distribution are accurate and timely.
6	JANCO068	Insures that the availability and responsiveness of the enterprise communications network meets the goals and requirements of the organization.
7	JANCO069	Insures the timely collection and reporting of SBU data.
8	JANCO084	Make management decisions affecting availability and responsiveness of the enterprise computing and communications network.

110803 DISASTER RECOVERY AND BUSINESS CONTINUITY DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT702A	Direct ICT services
2	ICAICT708A	Direct the development of a knowledge management strategy for a business
3	JANCO009	Complies with mandated disaster recovery, business continuity, and security requirements
4	JANCO016	Coordinates and supervises all special projects relating to disaster recovery process and capacity
5	JANCO026	Develops and maintains disaster recovery procedures and business continuity processes within the performance standards
6	JANCO049	Establishes procedures and priorities for the disaster recovery process and business continuity processes
7	JANCO071	Interacts at a senior level with all user departments within the enterprise
8	JANCO085	Manages all activities during the disaster recovery process, and during semi-annual disaster recovery and business continuity processes testing
9	JANCO108	Plans and charts the direction for the disaster recovery and business continuity processes

110804 TECHNICAL SERVICESDIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT701A	Lead research into identifying new marketplace opportunities
2	ICAICT702A	Direct ICT services
3	ICAICT706A	Direct outsourced ICT services
4	JANCO025	Develops and implements the technical services department charter which defines the technical services department mission statement, goals, directions and strategies for maintaining high customer service level as well as providing for future service expansion
5	JANCO035	Directs the activities of technical services department managers to maintain maximum efficiency of enterprise capital and human resources including hardware, software, and personnel
6	JANCO045	efficient manner including overseeing disaster recovery operations and involved personnel
7	JANCO048	Establishes and maintains a technical services resource library containing software, system documentation, relevant periodicals, records and a report management system.
8	JANCO065	Insures that all hardware, software, and database problems are resolved in a timely and efficient manner including overseeing disaster recovery operations and involved personnel
9	JANCO076	Maintains a close working relationship with technical services department managers.

110701 MANAJER PENGELOLA LAYANAN IT (ITSM MANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	TIK.SM02.001.01	Mengelola kemampuan dan fungsionalitas dari seluruh komponen TI
2	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI
3	TIK.SM02.012.01	Mengelola insiden yang terjadi
4	TIK.SM02.013.01	Mengelola konfigurasi sistem
5	TIK.SM02.014.01	Mengelola perubahan yang terjadi
6	TIK.SM03.001.01	Menentukan arsitektur perangkat keras
7	TIK.SM03.002.01	Menentukan arsitektur perangkat lunak
8	TIK.SM03.003.01	Menyediakan tim operasional pendukung sistem
9	TIK.SM03.004.01	Menetapkan standar otorisasi akses di dalam organisasi
10	TIK.SM03.005.01	Menetapkan manajemen eskalasi terhadap permasalahan
11	TIK.SM03.007.01	Menyediakan manajemen teknis dari operasional teknologi informasi
12	TIK.SM03.008.01	Mengelola aspek keuangan dalam sistem pelayanan teknologi informasi

110702 IT SERVICE MANAGEMENT EXPERT

No	Kode Unit	Nama Unit Kompetensi
1	JANCO633	Defines which software and hardware policies or procedures are recommended or required by the information function of enterprise
2	JANCO634	ensure that they are properly managed in order to fulfill all set requirements (e.g., contractual obligations towards the customers). In real life, that means to deliver services as agreed in the SLA (Service Level Agreement)
3	JANCO635	Ensures that service requirements are identified, documented, and fulfilled (once the service is in the live environment). And, they will dictate what and how the IT organization is doing
4	JANCO640	Supports the Chief Information Officer (CIO) in the CIO's role as a member of the systems resource board
5	JANCO641	To know how the IT organization is performing

110703 CUSTOMER SERVICE CENTER MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO031	Develops the operating and long range plans annually which reflect forecasts of service levels, expenditures, and resources for all CSC environments
2	JANCO032	Develops, coordinates, and/or directs the implementation of standardized Customer Service Center (CSC) strategies and processes throughout IT
3	JANCO036	Directs the CSC to insure service levels are adhered to, by meeting and exceeding first and second level problem resolution, and utilizing network management tools to detect and diagnose problems
4	JANCO062	Insures adequate shift hours by scheduling vacation, holidays and overtime. Covers or calls in staff when shortage situation arises
5	JANCO092	Monitors the processing of jobs, prioritizing the critical path jobs in order to meet service level requirements. Oversees, monitors, and verifies the output of the work unit
6	JANCO146	Trains, supervises, assigns projects to, evaluates, and is responsible for hiring/termination of staff to maintain optimum performance of job responsibilities

110704 CUSTOMER SITE SUPPORT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO630	Manages the customer site support group activities to insure that support from the site organizations to the customer is provided in a timely and courteous manner and meets customers' requirements with complete customer satisfaction
2	JANCO631	Complies with the enterprise's record management process & Complies with mandated security and record retention policies
3	JANCO632	Coordinates and manages the acquisition, placement, installation and relocation of all radios, alarms, cellular phones and pagers at customer site
4	JANCO636	Identifies, responds to, and initiates resolutions to customers' problems and concerns in coordination with on-site support organizations regarding all aspects of end-user computing, telecommunications, radios, alarms, cellular phones and pagers
5	JANCO637	Manages the problem determination and repair for all radios, alarms, cellular phones and pagers utilized at IT customer sites
6	JANCO638	Provides advice to on-site support organization in the installation, relocation, repair and problem determination of PCs, workstations, terminals, voice equipment, data communication equipment, and network wiring and equipment
7	JANCO639	Provides for the process definition, management and improvement of end-user computing, telecommunication, radio, alarm, cellular phone and pager products and utilization

110705 USER SUPPORT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS602A	Develop a knowledge management strategy
2	ICAICT602A	Develop contracts and manage contracted performance
3	ICAICT603A	Manage the use of appropriate development methodologies
4	JANCO042	Directs, motivates, delegates, and empowers staff in the successful performance of their tasks and responsibilities while encouraging innovation
5	JANCO089	Manages the user support group activities to insure support to site organizations is provided in a timely and courteous manner to effectuate complete customer satisfaction.
6	JANCO121	Provides for the process definition, management and improvement of office automation and end-user computing products and utilization at all sites and groups.
7	JANCO146	Trains, supervises, assigns projects to, evaluates, and is responsible for hiring/termination of staff to maintain optimum performance of job responsibilities

110706 TECHNICAL SERVICESMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT601A	Develop IT strategic and action plans
2	ICAICT602A	Develop contracts and manage contracted performance
3	JANCO039	Directs the modification of existing and/or creation of new software for specific enterprise needs
4	JANCO110	Plans and organizes the various functions under his control to insure adequate staffing, and develops training/education programs for staff development
5	JANCO120	Provides direction and assistance to the systems programming staff
6	JANCO125	Provides motivation direction and assistance to the systems programming group
7	JANCO132	Reports to the Director Data Processing and directs all activities of the systems programming group

110707 SERVICE LEVEL REPORTINGMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO209	Administers the service level agreements as negotiated by IT management to insure compliance and satisfaction of all agreed upon commitments
2	JANCO248	Assist business unit manager in developing and implementing policies and procedures where SLAs are concerned.
3	JANCO506	Determine scope and objectives for all SLAs; deliver techniques, practices, and procedures for SLA formation and administration in a manner that best protects company interests
4	JANCO509	Develops an in-depth knowledge of the business problems which are inherent to the functional area being serviced
5	JANCO540	In collaboration with business leaders, senior management, and stakeholders, plan and establish SLAs that support business goals for the entire IT services portfolio throughout the enterprise
6	JANCO608	Reviews the metrics that are in place on an ongoing basis to determine how and when metrics should be changed to reflect changes in the enterprise's operating environment

110708 ACCOUNTING FOR INFORMATION TECHNOLOGYMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO018	Coordinates the definition and design of accounting/financial functions and systems throughout IT to insure compatibility among systems and maintenance of appropriate internal controls
2	JANCO038	Directs the maintenance and preparation of fair and accurate financial records in conformance with generally accepted accounting principles (GAAP) and governmental regulations
3	JANCO118	Provides all assistance and information required in the preparation of all local, state and federal tax filings
4	JANCO124	Provides management and other appropriate internal organizations with accurate and timely financial information and reports
5	JANCO146	Trains, supervises, assigns projects to, evaluates, and is responsible for hiring/termination of staff to maintain optimum performance of job responsibilities

110709 PLANNING AND INTEGRATION SERVICESMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO348	Conducts monthly operational reviews of IT performance
2	JANCO514	Directs the development, assessment and review of all projected statements of work (SOW) and proposals
3	JANCO515	Directs the identification, technical evaluation, testing, validation strategic planning and implementation of new and existing products and emerging technologies to meet existing and expanding enterprise business requirements
4	JANCO516	Directs, motivates, delegates and empowers staff in the successful performance of their tasks and responsibilities while encouraging innovation
5	JANCO516	Directs, motivates, delegates and empowers staff in the successful performance of their tasks and responsibilities while encouraging innovation
6	JANCO526	Establishes product, direction, platform and networking standards and designs for the corporation
7	JANCO532	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personal illness, vacation or education
8	JANCO547	Leads the development and support of wide area networks (WAN); plans and manages the primary network which supports IT traffic; and plans, manages and insures the systems integrity of hardware and software which supports IT telephone systems (excluding phones) that facilitate the enterprise computing and communications requirements
9	JANCO548	Leads the preparation of components of IT long range strategic plans, operating plans, and business and capacity plans

10	JANCO568	Monitors mandated requirements for security, sensitive information, and business continuity planning
11	JANCO573	Performs all responsibilities within the guidelines of corporate policies and directives at or above the company's performance and evaluation standards
12	JANCO592	Provides coordination with other IT departments for hardware and software budgeting, acquisition, maintenance and control
13	JANCO594	Provides proposal preparation and coordination for all IT business proposals and external contracts
14	JANCO599	Provides video and graphics systems design and support
15	JANCO620	Trains, supervises, assigns projects to, evaluates and is responsible for hiring/termination of staff to maintain optimum performance of job duties

110710 PERSONAL COMPUTING AND OFFICE AUTOMATION SUPPORT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO004	Analyzes the training needs of personal computer users, develops classroom curriculum and provides quality individual and group training programs designed to insure maximum utilization of PC
2	JANCO493	Contribute to the training and development of IT personnel in direct support of IT delivery of services
3	JANCO507	Develop PC training programs and curriculum commensurate with needs.
4	JANCO512	Direct self and the activity of others during the testing, monitoring and installation of the network software as required
5	JANCO532	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personal illness, vacation or education
6	JANCO537	Identify potential service level problems before they occur and implements solutions
7	JANCO556	Maintains current technical expertise in the rapidly changing technology and utilizes state-of-the-art techniques when implementing personal computing solutions
8	JANCO558	Maintains PC software and hardware registration and inventory to provide upgrades as necessary and insure appropriate security levels are maintained
9	JANCO576	Performs at or above the enterprise's Information Technology evaluation standards
10	JANCO579	Plan and coordinate PC hardware and software purchase and implementation.
11	JANCO582	Plans and coordinates the purchase, installation and implementation of personal computer hardware and software according to department standards and procedures
12	JANCO586	Prepares monthly status reports quantitatively reporting results of personal computer activities

No	Kode Unit	Nama Unit Kompetensi
13	JANCO600	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
14	JANCO602	Resolve problems with client PC hardware and software
15	JANCO609	Schedule and prioritize work to accommodate enterprise and customer needs while minimizing impact on current projects
16	JANCO620	Trains, supervises, assigns projects to, evaluates and is responsible for hiring/termination of staff to maintain optimum performance of job duties
17	JANCO623	Upholds the enterprise policy guidelines as well as recommends new and improved guidelines to insure compatibility and better service for PC users
18	JANCO625	Work with PC users within the enterprise and with external microcomputer vendors

110711 SITE/SHIFT OPERATIONS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO229	Advises senior management as to operational conditions affecting on-line availability and other commitments
2	JANCO231	Analyzes hardware and software reliability reports to insure that equipment is properly utilized and maintained, and that hardware and software problems are observed, reported and resolved in a timely manner
3	JANCO492	Consults with support personnel and related Information Technology work units to resolve operational problems referred by staff, and coordinates activities between organizational units to resolve conflicts
4	JANCO516	Directs, motivates, delegates and empowers staff in the successful performance of their tasks and responsibilities while encouraging innovation
5	JANCO516	Directs, motivates, delegates and empowers staff in the successful performance of their tasks and responsibilities while encouraging innovation.
6	JANCO527	Establishes work schedules to insure optimum utilization of staffing to meet workload requirements and negotiated levels of on-line system availability
7	JANCO532	Fulfills departmental requirements in terms of providing work coverage and administrative notification during periods of personal illness, vacation or education
8	JANCO562	Manages the activities of the operations staff insuring that tasks are completed on a timely basis and in compliance with established operational and security methods, procedures and standards
9	JANCO567	Monitors and directs the work flow and coordinates the flow of work between shifts to insure continuity, twenty-four hours a day, seven days a week
10	JANCO573	Performs all responsibilities within the guidelines of corporate policies and directives at or above the company's performance and evaluation standards

No	Kode Unit	Nama Unit Kompetensi
11	JANCO597	Provides technical guidance to staff in performing daily duties, solving problems, and locating and overcoming error conditions
12	JANCO605	Reviews and evaluates operating practices and procedures. Initiates or recommends action to improve operational effectiveness and makes decisions as needed to maximize on-line availability and expedite processing
13	JANCO620	Trains, supervises, assigns projects to, evaluates and is responsible for hiring/termination of staff to maintain optimum performance of job duties

110712 BYODSUPPORTMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO057	Identifies and initiates resolutions to user problems and concerns associated with mobile devices (including BYOD), hardware and software to the user's satisfaction
2	JANCO072	Interfaces with all of the various functions within IT and the enterprise to assure that the personal devices are utilized in a fashion that is consistent with the overall enterprise technology and bu
3	JANCO083	Maintains software and hardware registration and inventory to provide upgrades as necessary and insure appropriate security levels are maintained
4	JANCO111	Prepares monthly status reports quantitatively reporting results of activities

110713 IT PRODUCTIONSERVICESMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO499	Coordinates the schedules for software updates, special program runs, or any other change to normal production
2	JANCO513	Directs the activities of the production services department to include timely and effective reporting, tracking, follow-up, and communication of problems with the user community
3	JANCO519	Drafts and maintains service level agreements with the various user departments within the enterprise
4	JANCO530	Examines problems occurring during production Information Technology and initiates corrective action.
5	JANCO531	Fulfills departmental requirements by providing work coverage and administrative notification during periods of personnel illness, vacation or education
6	JANCO535	Identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
7	JANCO560	Maintains version control over the problem management system, report distribution, and job scheduling systems to insure that they are fully tested and correctly implemented prior to operational use

No	Kode Unit	Nama Unit Kompetensi
8	JANCO571	Oversees the activities of the Production Services Supervisor and the Disaster Recovery Coordinator
9	JANCO575	Performs at or above Information Technology evaluation guidelines
10	JANCO584	Prepares and monitors budgets for each area of functional responsibility
11	JANCO606	Reviews new and modified production jobs for compliance with operations documentation standards
12	JANCO607	Reviews production procedures and develops for improved methods
13	JANCO622	Understands the critical Information Technology cycles in detail such as accounting month-end, inventory month-end, and any other relevant processing cycles

110714 COMPUTER OPERATIONS SHIFTMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK613A	Develop plans to manage structured troubleshooting process of enterprise networks
2	ICAPRG602A	Manage the development of technical solutions from business specifications
3	ICASAD603A	Plan and monitor business analysis activities in an IT environment
4	ICASAD604A	Manage and communicate IT solutions
5	ICASAD605A	Elicit IT requirements
6	ICASAS601A	Implement change-management processes
7	TIK.SM03.003.01	Menyediakan tim operasional pendukung sistem

110715 COMPUTER OPERATIONS ASSISTANTMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICASAS512A	Review and manage delivery of maintenance services
2	TIK.SM01.004.01	Melakukan komunikasi di tempat kerja

110601 ACCOUNTING INFORMATION SYSTEMANALYST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO495	Coordinate Information Technology's Financial Systems support to all corporate and division accounting staff. Develop, establish, and implement educational programs and processes and procedures to empower divisional staff while maintaining sound internal
2	JANCO508	Develop, re-engineer, and implement innovative processes to enhance accounting, reporting, and payables functions to ensure the preservation and proper use of Information Technology's assets
3	JANCO511	Direct Information Technology's input in the accurate and timely preparation, maintenance, and filing of all local, state, and federal tax filings, and any other governmental forms as well

No	Kode Unit	Nama Unit Kompetensi
4	JANCO520	Ensure all required Information Technology insurance binders are maintained, inventoried, and filed as required
5	JANCO523	Establish and maintain sound internal controls to ensure that transactions are recorded in accordance with management's general or specific authorization and consistent with GAAP
6	JANCO588	Provide management and other appropriate internal organizations with accurate and timely financial information and reports
7	JANCO615	Support the maintenance and preparation of financial records, timely and fairly presented and in conformance with Generally Accepted Accounting Principles (GAAP) and governmental regulations including Sarbanes-Oxley
8	TIK.SM01.004.01	Melakukan komunikasi di tempat kerja

110602 HELP DESKANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICASAS304A	Provide basic system administration
2	ICASAS305A	Provide IT advice to clients
3	ICASAS306A	Maintain equipment and software
4	TIK.JK02.025.01	Mendukung perangkat lunak system
5	TIK.MM01.003.0	Memeriksa, merawat dan memperbaiki peralatan
6	TIK.TS01.002.01	Melakukan komunikasi yang baik di tempat kerja (<i>Communication Capability</i>)

110501 SUPEVISOUR PENGELOLA LAYANAN IT (ITSM SUPERVISOR)

No	Kode Unit	Nama Unit Kompetensi
1	TIK.SM02.002.01	Meningkatkan aspek ketersediaan dalam layanan TI
2	TIK.SM02.003.01	Menyediakan layanan berdasarkan tingkat tertentu
3	TIK.SM02.006.01	Mengelola instalasi dan pemeliharaan sistem perangkat lunak
4	TIK.SM02.007.01	Mengatur otorisasi akses teknologi informasi
5	TIK.SM02.008.01	Menyediakan tim pendukung untuk pemeliharaan aplikasi
6	TIK.SM02.010.01	Mengendalikan peralatan jaringan teknologi informasi
7	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI
8	TIK.SM02.012.01	Mengelola insiden yang terjadi
9	TIK.SM02.013.01	Mengelola konfigurasi sistem
10	TIK.SM02.014.01	Mengelola perubahan yang terjadi
11	TIK.SM03.006.01	Memantau pelayanan prosedur tingkat layanan

110502 INFORMATION LIBRARIAN

No	Kode Unit	Nama Unit Kompetensi
1	JANCO356	Conforms to the record management policy
2	JANCO539	Implements the record destruction policy
3	JANCO551	Maintains a system of labeling removable media which facilitates quick and efficient identification and retrieval
4	JANCO552	Maintains a system of storing removable media which insures back-up data protection for disaster recovery procedures. The stored media must also ability to be identified and secured quickly and efficiently if needed for reloading
5	JANCO563	Manages the systems that provide the primary inventory of all removable media for the IT function
6	JANCO569	Mounts, dismounts, labels, and monitors removable media and silo unit operations for the data center
7	JANCO578	Performs simple periodic maintenance on removable media units, such as cleaning the read/write heads, with appropriate procedures
8	JANCO600	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
9	JANCO601	Reports any malfunctioning removable media unit to the shift supervisor and files appropriate trouble management system (TMS) reports

110503 IT EXECUTIVE SECRETARY

No	Kode Unit	Nama Unit Kompetensi
1	JANCO179	Accept and complete operational and financially related tasks and special projects, as assigned
2	JANCO243	Apprise the executive of any relevant issues pertaining to the enterprise or its personnel
3	JANCO246	Arrange meetings and travel plans, keep a current calendar, and screen phone calls
4	JANCO329	Comply with the record management policies of the enterprise
5	JANCO494	Coordinate and prioritize the schedule of the executive to make the most effective use of time
6	JANCO550	Maintain office supplies, environment, and equipment. Coordinate with outside contractors to provide services, as necessary
7	JANCO589	Provide secretarial support to the executive direct reports—answer phones (finalize call if possible), receive and route mail (paper and electronic), coordinate presentations, word-process, and communicate/correspond on behalf of the executive when direct
8	JANCO624	Use discretion when dealing with confidential information

110504 IT ACCOUNT REPRESENTATIVE

No	Kode Unit	Nama Unit Kompetensi
1	JANCO557	Maintains external links to other companies in the industry to gain competitive assessments and share information, where appropriate
2	JANCO596	Provides support to enterprise's and external groups in the use of enterprise computer and communications environment
3	JANCO610	Serves as an internal consultant to other IT departments when needed

110505 COMPUTER OPERATIONS SHIFTSUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO022	Determines and implements appropriate course of action in emergencies
2	JANCO082	Maintains records and statistics on Information Technology productivity, evaluates performance of operations functions, establishes and implements systems and procedures, and analyzes existing methods
3	JANCO091	Monitors and analyzes trends in computer operations and prepares recommendations for operational improvements
4	JANCO098	Oversees and participates in the diagnosis and resolution of hardware and production problems
5	JANCO100	Oversees the operation and maintenance of central-site computer and peripheral equipment
6	JANCO131	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion

110506 CUSTOMER SERVICESUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO030	Develops service level agreements with enterprise on-site and remote users
2	JANCO040	Directs user requests for information, and supervises problem resolution.
3	JANCO060	Identifies reoccurring and potential operation problems. Recommends procedures and controls for problem prevention
4	JANCO077	Maintains and summarizes history records on Information Technology production problems
5	JANCO131	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion

110507 COMPUTER OPERATIONS ASSISTANTSUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO555	Maintains current knowledge of technical innovations in mainframe, minicomputer, LAN, WAN and personal computing, and develops plans to utilize appropriate technologies in support of future enterprise business expansion
2	JANCO598	Provides technical leadership in all aspects of data, voice and video communications, such as the integration of voice and data, distributed processing, standards such as ITDN, ATM and TI, carrier tariffs and regulations, and communication switching equip

110508 HELP DESKTECHNICIAN

No	Kode Unit	Nama Unit Kompetensi
1	JANCO233	Analyzes the training needs of users, develops classroom curriculum and provides quality individual and group training programs designed to insure maximum utilization of Information Technology
2	JANCO534	Identifies and initiates resolutions to user problems and concerns associated with all IT applications, computer equipment, hardware and software to the user's satisfaction
3	JANCO556	Maintains current technical expertise in the rapidly changing technology and utilizes state-of-the-art techniques when implementing personal computing solutions
4	JANCO559	Maintains software and hardware versions, maintenance levels, registration and inventory to provide upgrades as necessary and insure appropriate security levels are maintained
5	JANCO576	Performs at or above the enterprise's Information Technology evaluation standards
6	JANCO600	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion

110509 SENIOR SYSTEMS SUPPORT SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	BSBOHS302B	Participate effectively in OHS communication and consultative processes
2	ICANWK302A	Identify and resolve network problems
3	ICANWK303A	Configure and administer a network operating system
4	ICANWK306A	Evaluate characteristics of cloud computing solutions and services
5	ICANWK403A	Manage network and data integrity
6	TIK.JK02.023.01	Menyelenggarakan administrasi sistem jaringan
7	TIK.JK02.025.01	Mendukung perangkat lunak sistem
8	TIK.JK03.005.01	Mengelola proses pengujian
9	TIK.JK03.011.01	Mengerjakan dan memenuhi permintaan perubahan sistem

110401 OPERATIONS TRAINING COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS401A	Identify physical database requirements
2	ICADBS404A	Identify and resolve common database performance problems
3	ICANWK505A	Design, build and test a network server
4	ICANWK610A	Design and build integrated VoIP networks
5	ICAPRG513A	Coordinate the build phase of an IT system
6	TIK.CS02.001.01	Merumuskan kebutuhan pengguna (<i>user requirement</i>)
7	TIK.MM02.060.0	Bekerja sama dengan editor untuk finalisasi produksi
8	TIK.OP01.002.01	Mengidentifikasi aspek kode etik dan HAKI di bidang TIK
9	TIK.OP01.004.01	Mengidentifikasi sistem dan prosedur pengelolaan infrastruktur komputer

110402 POSCOORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT203A	Operate application software packages
2	ICAICT204A	Operate a digital media technology package
3	ICAICT208A	Operate accounting applications
4	ICAICT210A	Operate database applications
5	TIK.CS01.006.01	Mengidentifikasi spesifikasi perangkat komputer
6	TIK.CS02.043.01	Melakukan instalasi <i>software</i> anti Virus
7	TIK.CS02.048.01	Menyiapkan perangkat jaringan Komputer
8	TIK.CS02.050.01	Melakukan instalasi <i>Operating System</i> Jaringan

No	Kode Unit	Nama Unit Kompetensi
9	TIK.CS03.003.01	Melakukan Perawatan <i>Operating System</i>
10	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian computer
11	TIK.OP03.002.01	Mengoperasikan dasar-dasar basis data (<i>data base</i>)

110403 POS SENIOR COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBWOR301B	Organise personal work priorities and development
2	ICAICT203A	Operate application software packages
3	ICAICT208A	Operate accounting applications
4	ICAICT210A	Operate database applications
5	ICANWK404A	Install, operate and troubleshoot a small enterprise branch network
6	J.620900.004.02	Merancang Spesifikasi Sesuai dengan Fungsi dan Kebutuhan Pengguna
7	J.620900.026.02	Melakukan Instalasi <i>Software Aplikasi</i>
8	TIK.CS01.010.01	Membuat laporan kerja perakitan, perawatan dan perbaikan
9	TIK.CS02.017.01	Melakukan instalasi <i>Operating System</i>
10	TIK.CS02.020.01	Melakukan instalasi <i>Driver VGA Card</i>
11	TIK.CS02.032.01	Melakukan perawatan CPU
12	TIK.FO01.009.01	Membuat laporan tertulis

110404 LEAD CUSTOMER SERVICE AND SUPPORT COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO303	Assists in resolving technical computer operations equipment problems
2	JANCO328	Checks quality and distributes reports requested by users for on-site and remote users
3	JANCO498	Coordinates the resolution of applications and software system problems impacting production. Assists systems and programming personnel, as requested
4	JANCO536	Identifies reoccurring and potential operation problems; recommends procedures and controls for prevention; and investigates alternative methods to expedite problem resolution
5	JANCO542	Initiates corrective action or carries out instructions to resolve system problems on production jobs
6	JANCO544	Insures smooth operations between the Information Technology staff and enterprise users (i.e., handling concerns of the aforementioned in an efficient and courteous manner)
7	JANCO549	Logs documents and maintains history records on Information Technology production problems

No	Kode Unit	Nama Unit Kompetensi
8	JANCO600	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
9	JANCO603	Responds to user requests for information and assists in problem resolution. Maintains contact with users on operational and production problems

110405 CUSTOMER SERVICE AND SUPPORT COORDINATOR

1	JANCO302	Assists in coordinating the resolution of applications/software systems problems impacting production & Assists systems and programming personnel, as requested
2	JANCO303	Assists in resolving technical computer operations equipment problem
3	JANCO328	Checks quality and distributes reports requested by users for on-site and remote users
4	JANCO549	Logs documents and maintains history records on Information Technology production problems
5	JANCO554	Maintains contact with users on operational and production problems
6	JANCO603	Responds to user requests for information and assists in problem resolution. Maintains contact with users on operational and production problems

110406 DISASTER RECOVERY COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO496	Coordinates and manages all activities during the disaster recovery process
2	JANCO497	Coordinates and supervises all special projects relating to disaster recovery process and capacity
3	JANCO525	Establishes procedures and priorities for the disaster recovery process
4	JANCO546	Is knowledgeable and complies with mandated security, disaster recovery and business continuity, internal control, and financial reporting requirements including ISO 27031, Sarbanes-Oxley, and HIPAA
5	JANCO581	Plans and charts the direction for the disaster recovery process
6	JANCO600	Recognizes and identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
7	JANCO604	Reviews all insurance coverage in the event of a disaster and coordinating with the insurance claim department as necessary. A review of relevant coverage amounts should be performed at 3 month intervals to insure optimal coverage in the event of a disaster
8	JANCO614	Strives to learn the job functions of the position's immediate superior as well as peer level positions with whom the individual interacts. It is the responsibility of the individual to be prepared for temporary re-assignment and/or promotion due to exten

110407 IT PRODUCTION CONTROLSPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	JANCO518	Documentation procedures for different types of systems
2	JANCO522	Enterprise data dictionary with clear definitions for when elements must be included
3	JANCO529	Examination procedure for systems developed as independent islands to insure that they do not conflict with enterprise needs and that any necessary interfaces are constructed
4	JANCO533	Identification of file maintenance standards and procedures.
5	JANCO564	Mandatory telecommunications standards
6	JANCO611	Standard languages for classes of acquired equipment

110408 SYSTEMS SUPPORTSPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT201A	Use computer operating systems and hardware
2	ICAICT205A	Design basic organisational documents using computing packages
3	ICAICT206A	Install software applications
4	ICAICT211A	Identify and use basic current industry-specific technologies
5	ICAICT212A	Incorporate Indigenous needs and perspectives into IT environment
6	ICASAS201A	Maintain inventories for equipment, software and documentation
7	ICASAS204A	Record client support requirements
8	TIK.CS02.016.01	Mengkonfigurasi <i>harddisk</i>
9	TIK.CS02.040.01	Memperbaiki <i>Invalid Partition Table</i>
10	TIK.CS02.046.01	Membuat <i>Rescue Disk</i>
11	TIK.MM01.012.0	Mengikuti prosedur kesehatan, keselamatan, dan keamanan kerja
12	TIK.MM02.026.0	Menggunakan peralatan yang sesuai untuk membuat sekuen interaktif
13	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasi perkantoran
14	TIK.TS03.024.01	Melaksanakan <i>Fungsi Help Desk</i>

110409 IT PROCUREMENTCOORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	JANCO190	Adheres to established company, division and departmental policies, standards, and procedures
2	JANCO570	Oversees maintenance of accurate record keeping and tracking of procurement documents and contracts to assure responsive information retrieval to customer status requests
3	JANCO593	Provides point of contact for customers' inquiries regarding status of procurements in process
4	JANCO595	Provides support for procurement and contract processing functions as required, including obtaining signature approvals, document tracking and data entry to procurement and property systems
5	JANCO613	Strives to learn procurement and contract processing functions to progress into the Purchasing and Accounting departments
6	JANCO617	Supports the Purchasing and Accounting departments in the preparation and routing of documentation relating to the procurement process

110301 STAF OPERASI LAYANAN IT

No	Kode Unit	Nama Unit Kompetensi
1	TIK.SM01.001.01	Melaksanakan pekerjaan secara tim
2	TIK.SM01.003.01	Melaksanakan pekerjaan secara mandiri dalam lingkungan organisasi TI
3	TIK.SM01.004.01	Melakukan komunikasi di tempat kerja
4	TIK.SM01.005.01	Melaksanakan dan menjaga etika profesi
5	TIK.SM01.007.01	Melakukan survei kebutuhan pelanggan
6	TIK.SM01.008.01	Membuat laporan tertulis
7	TIK.SM01.009.01	Memberikan petunjuk teknis kepada pelanggan
8	TIK.SM01.010.01	Menjamin integritas informasi
9	TIK.SM02.004.01	Memberikan pelayanan TI sesuai dengan bisnis yang dijalankan
10	TIK.SM02.009.01	Memberikan pelayanan produk-produk teknologi informasi sesuai kebutuhan bisnis

110302 IT PROCUREMENT ASSISTANT

No	Kode Unit	Nama Unit Kompetensi
1	JANCO191	Adheres to established enterprise, division and departmental policies, standards, and procedures
2	JANCO313	Assists in the accurate record keeping and tracking of procurement documents and computer contracts to assure responsive information retrieval to customer status requests
3	JANCO574	Performs at or above company performance standards as established within the department
4	JANCO591	Provides clerical support for procurement and contract processing, including logging, filing, sorting, document tracking and data entry functions
5	JANCO612	Strives to learn procurement and contract processing functions to progress into the entry level Procurement Coordinator position
6	JANCO616	Supports the Procurement Coordinators, Procurement Administrators and Computer Contract Administrators in the preparation and routing of documentation relating to the procurement process

110201 IT ASSISTANT CONTROLLER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO356	Conforms to the record management policy
2	JANCO528	Evaluates vendor/supplier financial stability and provides recommendations pertaining to impact on IT financial objectives
3	JANCO535	Identifies potential areas where existing policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion
4	JANCO553	Maintains an accurate and timely summary of the capital asset plan budget line items, associated expenditures, and dollar balances to insure conformance of information between IT, enterprise finance and groups
5	JANCO565	Monitors and controls divisional performance and conducts variance analysis when actual performance departs from planned performance, providing narrative statements within financial reports as to the basis of such departure
6	JANCO583	Plans, develops, monitors and controls financial performance and analysis for all cash flow forecasts, ROI and lease/buy analysis

110101 IT SERVICE MANAGEMENT CLERK

No	Kode Unit	Nama Unit Kompetensi
1	JANCO590	Provide service-related input, review and disposition of service change requests, and resolve service-related issues
2	JANCO618	The Service Manager has overall accountability for defining the service, ensuring services are delivered in accordance with agreed business requirements, and managing the service lifecycle – often in conjunction with a Service Team
3	JANCO619	This typically includes customer representatives, service providers, service support representatives, and subject matter experts

12 IT AND COMPUTING FACILITIES MANAGEMENT

120901 CHIEF IT FACILITIES OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	ICTICT813	Manage ICT services
2	ICTNPL404	Evaluate the planning requirements for provisioning a telecommunications building facility
3	ICTSAS417	Undertake ICT system capacity planning
4	ICTSAS509	Provide client ICT support services

120801 ELECTRONIC COMMERCE DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT701A	Lead research into identifying new marketplace opportunities
2	ICAICT711A	Manage an information architecture project
3	ICTSUS8238A	Conduct and manage a life cycle assessment for sustainability
4	J.612000.031.01	Mengembangkan strategi perencanaan untuk desain jaringan terpadu
5	TIK.DG02.010.01	Merekomendasikan argumen-argumen yang meyakinkan terhadap hasil karya desain kepada klien
6	TIK.DG03.002.01	Mengintegrasikan pengetahuan dasar branding dan komunikasi pemasaran dengan desain grafis
7	TIK.SM03.007.01	Menyediakan manajemen teknis dari operasional teknologi informasi

120802 IT MANAGEMENT AND CONTROL DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT702A	Direct ICT services
2	ICAICT703A	Endorse business plan components for a new initiative
3	ICAICT709A	Facilitate business analysis
4	ICAICT712A	Develop a business intelligence framework

120701 MANAJER PUSAT DATA (DATA CENTERMANAGER)

No	Kode Unit	Nama Unit Kompetensi
1	J.631100.001.01	Menetapkan kebutuhan pengelolaan pusat data untuk organisasi
2	J.631100.002.01	Menetapkan standar dan acuan praktik terbaik yang berlaku
3	J.631100.003.01	Menetapkan organisasi pusat data
4	J.631100.004.01	Menyusun anggaran pengelolaan pusat data
5	J.631100.005.01	Menyusun rencana pemeliharaan pusat data
6	J.631100.006.01	Menyusun rencana kapasitas pusat data
7	J.631100.007.01	Mengelola organisasi pusat data
8	J.631100.008.01	Mengelola pemasok
9	J.631100.015.01	Melakukan pengawasan pusat data
10	J.631100.016.01	Menyusun dan mengelola dokumentasi
11	J.631100.017.01	Melakukan proses audit pusat data

120702 FACILITY AND EQUIPMENT SUPPORTMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT604A	Identify and implement business innovation
2	ICAICT605A	Implement a knowledge management strategy
3	ICAICT606A	Develop communities of practice
4	TIK.JK03.004.01	Mengevaluasi dan menegosiasi penawaran <i>vendor</i>
5	TIK.JK03.009.01	Melakukan analisa teknologi baru

120703 VENDOR MANAGEMENTMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT508A	Evaluate vendor products and equipment
2	ICAICT608A	Interact with clients on a business level
3	TIK.JK03.004.01	Mengevaluasi dan menegosiasi penawaran vendor

120704 TELECOMMUNICATIONS INSTALLATION AND MAINTENANCE MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK611A	Configure call processing network elements for secure VoIP networks
2	ICTTEN5024A	Provide consultancy and technical support in the customer premises equipment sector
3	ICTTEN5168A	Design and implement an enterprise voice over internet protocol and a unified communications network
4	ICTTEN5200A	Install, configure and test a local area network switch
5	ICTTEN5203A	Dimension and design a radio frequency identification system

120705 SITE MANAGEMENT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	BSBOHS509A	Ensure a safe workplace
2	BSBSUS501A	Develop workplace policy and procedures for sustainability
3	ICAICT608A	Interact with clients on a business level
4	KOM.PR02.043.0	Melakukan komunikasi dalam situasi kritis
5	TIK.DG01.009.01	Menerapkan teori dasar komunikasi
6	TIK.JK01.007.01	Memberikan petunjuk teknis kepada klien
7	TIK.JK03.004.01	Mengevaluasi dan menegosiasi penawaran vendor
8	TIK.SM01.004.01	Melakukan komunikasi di tempat kerja
9	TIK.SM02.014.01	Mengelola perubahan yang terjadi

120706 GREEN IT MANAGEMENT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO626	Aligning of IT sustainability strategy with core corporate sustainability goals
2	JANCO626	Works with external auditors, tax advisors, labor organizations, and government agencies, as required
3	JANCO627	Process Management: adjusting of IT & business processes to reinforce sustainable principles & practices in everyday actions & decision-making
4	JANCO628	People & culture: encouraging a sustainable culture with creative involvement & innovation from all employees
5	JANCO629	Governance: establishing consistent policies to support the sustainable IT strategy to meet current & future sustainability objectives

120707 OUTPUT PROCESSINGMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	BSBWHS501A	Ensure a safe workplace
2	BSBWOR301B	Organise personal work priorities and development
3	BSBWOR404B	Develop work priorities
4	BSBWOR502B	Ensure team effectiveness
5	ICAICT408A	Create technical documentation
6	J.620900.003.02	Merumuskan kebutuhan pengguna
7	J.620900.004.02	Merancang spesifikasi sesuai dengan fungsi dan kebutuhan pengguna

120708 IT FACILITIES MANAGEMENT AND DATA CENTER EXPERT

No	Kode Unit	Nama Unit Kompetensi
1	BSBWOR301B	Organise personal work priorities and development
2	BSBWOR502B	Ensure team effectiveness
3	ICANWK404A	Install, operate and troubleshoot a small enterprise branch network
4	ICANWK503A	Install and maintain valid authentication processes
5	ICANWK505A	Design, build and test a network server
6	TIK.SM02.005.01	Mengendalikan aset dan seluruh sumber daya pelayanan TI
7	TIK.SM02.006.01	Mengelola instalasi dan pemeliharaan sistem perangkat lunak
8	TIK.SM03.003.01	Menyediakan tim operasional pendukung sistem
9	TIK.SM03.004.01	Menetapkan standar otorisasi akses di dalam organisasi
10	TIK.SM03.005.01	Menetapkan manajemen eskalasi terhadap permasalahan
11	TIK.SM03.006.01	Memantau pelayanan prosedur tingkat layanan

120601 TEKNISI PUSAT DATA MADYA

No	Kode Unit	Nama Unit Kompetensi
1	J.631100.004.01	Menyusun anggaran pengelolaan pusat data
2	J.631100.005.01	Menyusun rencana pemeliharaan pusat data
3	J.631100.009.01	Mengelola keselamatan kerja
4	J.631100.010.01	Mengelola keamanan fisik pusat data
5	J.631100.011.01	Mengelola kegiatan operasi pusat data harian
6	J.631100.012.01	Mengelola kegiatan pembersihan pusat data
7	J.631100.013.01	Mengelola siklus hidup peralatan dan perangkat pusat data
8	J.631100.014.01	Mengelola kegiatan perawatan pusat data
9	J.631100.015.01	Melakukan pengawasan pusat data
10	J.631100.016.01	Menyusun dan mengelola dokumentasi
11	J.631100.017.01	Melakukan proses audit pusat data

120602 DATA CENTER FACILITY ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT412A	Coordinate and maintain IT work teams
2	ICAICT413A	Relate to clients on a business level
3	ICAICT421A	Connect, maintain and configure hardware components
4	KOM.PR01.007.0	Melaksanakan koordinasi lintas fungsi dalam organisasi
5	TIK.MM01.003.0	Memeriksa, merawat dan memperbaiki peralatan
6	TIK.TS01.002.01	Melakukan komunikasi yang baik ditempat kerja (<i>communication capability</i>)

120501 TEKNISI LAYANAN FASILITAS KOMPUTER (COMPUTER FACILITIES SERVICE TECHNICIAN)

No	Kode Unit	Nama Unit Kompetensi
1	J.620900.001.02	Mengidentifikasi perangkat penyusun komputer
2	J.620900.002.02	Mengidentifikasi spesifikasi perangkat komputer
3	J.620900.003.02	Merumuskan kebutuhan pengguna
4	J.620900.004.02	Merancang spesifikasi sesuai dengan fungsi dan kebutuhan pengguna
5	J.620900.005.02	Merencanakan perawatan komputer dan perangkat penunjang
6	J.620900.006.01	Melakukan inventarisasi <i>hardware</i>
7	J.620900.007.02	Melakukan inventarisasi <i>software</i>
8	J.620900.008.02	Memasang <i>interface card</i>
9	J.620900.009.02	Memasang <i>hard disk</i>
10	J.620900.010.02	Memasang <i>motherboard</i>
11	J.620900.011.02	Memasang <i>memory</i>
12	J.620900.012.02	Memasang prosesor
13	J.620900.013.02	Memasang <i>optical drive</i>
14	J.620900.014.02	Merawat CPU
15	J.620900.015.02	Merawat <i>hard disk</i>
16	J.620900.016.02	Merawat <i>peripheral</i>
17	J.620900.017.02	Memperbaiki CPU
18	J.620900.018.02	Memperbaiki <i>keyboard</i>
19	J.620900.019.02	Memperbaiki <i>optical drive</i>
20	J.620900.020.02	Memperbaiki monitor
21	J.620900.024.02	Melakukan <i>setting BIOS</i>
22	J.620900.025.02	Melakukan instalasi sistem operasi
23	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi
24	J.620900.027.02	Melakukan <i>recovery</i> data
25	J.620900.028.02	Mencegah komputer dari serangan berbagai jenis virus
26	J.620900.029.02	Memperbaiki komputer yang terinfeksi virus
27	J.620900.031.02	Merawat sistem operasi
28	J.620900.032.02	Melakukan <i>restore</i> sistem operasi
29	J.620900.033.02	Melakukan <i>backup</i> data dan sistem

120502 TEKNISI PUSAT DATAMUDA (JUNIOR DATACENTER TECHNICIAN)

No	Kode Unit	Nama Unit Kompetensi
1	J.631100.009.01	Mengelola keselamatan kerja
2	J.631100.010.01	Mengelola keamanan fisik pusat data
3	J.631100.011.01	Mengelola kegiatan operasi pusat data harian
4	J.631100.012.01	Mengelola kegiatan pembersihan pusat data
5	J.631100.013.01	Mengelola siklus hidup peralatan dan perangkat pusat data
6	J.631100.014.01	Mengelola kegiatan perawatan pusat data

120503 SUPEVISOUR PUSAT DATA (DATA CENTER SUPERVISOR)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.001.02	Mengaplikasikan prinsip dasar desain
2	M.74100.002.02	Menerapkan prinsip dasar komunikasi
3	M.74100.005.02	Menerapkan <i>design brief</i>
4	M.74100.007.01	Menetapkan strategi desain
5	M.74100.008.02	Menetapkan konsep desain
6	M.74100.009.02	Mengoperasikan perangkat lunak desain
7	M.74100.010.01	Menciptakan karya desain
8	M.74100.012.02	Mempresentasikan karya desain

120504 TEKNISI KOMPUTER MUDA (JUNIOR COMPUTERTECHNICIAN)

No	Kode Unit	Nama Unit Kompetensi
1	J.620900.001.02	Mengidentifikasi perangkat penyusun komputer
2	J.620900.002.02	Mengidentifikasi spesifikasi perangkat komputer
3	J.620900.014.02	Merawat CPU
4	J.620900.024.02	Melakukan <i>setting</i> BIOS
5	J.620900.025.02	Melakukan instalasi sistem operasi

120401 IT FACILITIES MANAGEMENT COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICTSAS405	Identify and evaluate ICT industry vendor technologies
2	ICTWOR303	Schedule resources
3	ICTWOR402	Schedule equipment maintenance
4	TIK.CS02.029.01	Menganalisa kebutuhan perawatan
5	TIK.CS02.031.01	Membuat jadwal kegiatan perawatan

120402 SENIOR TECHNICAL SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT412A	Coordinate and maintain IT work teams
2	ICASAS425A	Configure and troubleshoot operating system software
3	ICASAS426A	Locate and troubleshoot IT equipment, system and software faults

120403 GREEN IT MANAGEMENT COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBSUS201A	Participate in environmentally sustainable work practices
2	BSBSUS401	Implement and monitor environmentally sustainable work practices
3	ICTSUS805	Manage improvements in ICT sustainability

120301 STAF OPERASI PUSAT DATA (DATA CENTER OPERATIONS STAFF)

No	Kode Unit	Nama Unit Kompetensi
1	J.631100.009.01	Mengelola keselamatan kerja
2	J.631100.010.01	Mengelola keamanan fisik pusat data
3	J.631100.011.01	Mengelola kegiatan operasi pusat data harian
4	J.631100.012.01	Mengelola kegiatan pembersihan pusat data
5	J.631100.013.01	Mengelola siklus hidup peralatan dan perangkat pusat data
6	J.631100.014.01	Mengelola kegiatan perawatan pusat data

120302 JUNIOR TECHNICAL SUPPORT PUSAT DATA (DATA CENTER TECHNICAL SUPPORT JUNIOR)

No	Kode Unit	Nama Unit Kompetensi
1	J.620900.001.02	Mengidentifikasi perangkat penyusun komputer
2	J.620900.006.01	Melakukan inventarisasi <i>hardware</i>
3	J.620900.007.02	Melakukan inventarisasi <i>software</i>
4	J.620900.017.02	Memperbaiki CPU
5	J.620900.024.02	Melakukan <i>setting</i> BIOS
6	J.620900.025.02	Melakukan instalasi sistem operasi
7	J.620900.026.02	Melakukan instalasi <i>software</i> aplikasi
8	J.620900.031.02	Merawat sistem operasi
9	J.620900.032.02	Melakukan <i>restore</i> sistem operasi
10	J.620900.033.02	Melakukan <i>backup</i> data dan sistem

120303 IT ADMINISTRATIVE ASSISTANT

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP01.005.01	Mengimplementasikan sistem keamanan dan keselamatan pada pengoperasian komputer
2	TIK.OP02.001.01	Mengoperasikan komputer personal yang berdiri sendiri (<i>PC stand alone</i>)
3	TIK.OP02.002.01	Mengoperasikan printer
4	TIK.OP02.004.01	Mengoperasikan piranti lunak pengolah kata (<i>word processor</i>) – tingkat dasar
5	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (<i>spreadsheet</i>) – tingkat dasar
6	TIK.OP02.007.01	Mengoperasikan piranti lunak klien e-mail (<i>e-mail client</i>)
7	TIK.OP02.017.01	Melakukan penanganan awal (<i>troubleshooting</i>) atas masalah pada PC

120201 IT FACILITIES MANAGEMENT ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.2017.004	Melakukan kontrak administrasi perawatan komputer dalam perusahaan
2	TIK.2017.007	Memantau pelaksanaan kontrak perawatan komputer.
3	TIK.2017.051	Menyiapkan korespondensi yang berkaitan dengan kontrak perawatan komputer dengan subkontraktor dan penyedia layanan.
4	TIK.CS01.010.01	Membuat laporan kerja perakitan, perawatan dan perbaikan

120101 IT FACILITIES MANAGEMENT CLERK

No	Kode Unit	Nama Unit Kompetensi
1	J.62090.024	Melaksanakan pencatatan asset
2	J.620900.006.01	Melakukan inventarisasi hardware
3	J.620900.007.02	Melakukan inventarisasi software
4	TIK.CS01.004.01	Menggunakan alat ukur atau alat bantu untuk proses perawatan dan perbaikan
5	TIK.JK05.002.01	Melaksanakan prosedur perawatan

13 IT MULTEMEDIA

130901 CHIEF MULTIMEDIA OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	J. 590000.002.02	Menyusun anggaran proyek multimedia
2	J. 590000.003.02	Mengevaluasi efektifitas proyek Multimedia
3	J. 590000.004.02	Mengikuti prosedur kesehatan, keselamatan, dan keamanan kerja dalam produksi multimedia
4	J.590000.001.02	Mengelola sumberdaya manusia sesuai kebutuhan project multimedia
5	M.692000.018.0	Menyiapkan anggaran perusahaan
6	M.701001.006.0	Menetapkan kebutuhan pekerja bertalenta
7	M.701001.040.0	Mengembangkan strategi manajemen bertalenta
8	M.701001.042.0	Menentukan pekerja bertalenta
9	M.701001.043.0	Mengembangkan pekerja bertalenta
10	M.702090.002.0	Mengelola ruang lingkup proyek (<i>project scope management</i>)
11	M.702090.010.0	Mengelola stakeholder proyek (<i>project stakeholder management</i>)
12	S.941000.034.02	Mengelola proyek secara terintegrasi (<i>project integration management</i>)
13	TAN.SY02.040.01	Mengembangkan perencanaan bisnis

130801 EDITOR PRODUK MULTIMEDIA (MULTIMEDIA PRODUCT EDITOR)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.002.02	Menerapkan prinsip dasar komunikasi
2	TIK.MM01.008.0	Menerapkan prinsip – prinsip rancangan visual
3	TIK.MM01.009.0	Menerapkan prinsip --- prinsip rancangan instruksional
4	TIK.MM02.031.0	Menggabung, merancang, dan menyunting video digital
5	TIK.MM02.053.0	Membuat dan memanipulasi gambar-gambar digital
6	TIK.MM02.062.0	Menyiapkan bahan dan dokumen untuk editing
7	TIK.MM02.063.0	Mengoperasikan peralatan <i>editing</i> video
8	TIK.MM02.064.0	Menjalankan <i>system editing</i> non-linear
9	TIK.MM02.066.0	Menyunting suara dan bunyi
10	TIK.MM02.076.0	Menguji produk multimedia

130802 DESAINER GRAFIS SENIOR (SENIOR GRAPHICDESIGNER)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.004.02	Menerapkan <i>project brief</i>
2	M.74100.005.02	Menerapkan <i>design brief</i>
3	M.74100.006.01	Mengorganisasi informasi terkait proyek desain
4	M.74100.008.02	Menetapkan konsep desain
5	M.74100.009.02	Mengoperasikan perangkat lunak desain
6	M.74100.010.01	Menciptakan karya desain
7	M.74100.011.02	Mengevaluasi hasil karya desain
8	M.74100.012.02	Mempresentasikan karya desain
9	M.74100.013.02	Membuat materi siap produksi
10	M.74100.014.01	Mengelola proses produksi
11	M.74100.015.01	Mengelola proses desain
12	M.74100.016.02	Menerapkan perlindungan hak kekayaan intelektual
13	M.74100.017.01	Memimpin organisasi desain
14	M.74100.018.01	Mencipta desain secara inter-disiplin

130803 DIRECTOR MEDIACOMMUNICATIONS

No	Kode Unit	Nama Unit Kompetensi
1	BSBLDR803	Develop and cultivate collaborative partnerships and relationships
2	ICTNWK501	Plan, implement and test enterprise communication solutions

130804 MULTIMEDIA DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	TIK.DG02.008.01	Mempresentasikan hasil karya desain kepadaklien
2	TIK.DG02.009.01	Mengevaluasi hasil karyadesain
3	TIK.DG02.010.01	Merekomendasikan argumen-argumen yang meyakinkan terhadap hasil karya desain kepada klien
4	TIK.DG03.002.01	Mengintegrasikan pengetahuan dasar branding dan komunikasi pemasaran dengan desain grafis

130701 AHLI DESAIN GRAFIS (GRAPHIC DESIGNER/EXPERT)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.001.02	Mengaplikasikan prinsip dasar desain
2	M.74100.002.02	Menerapkan prinsip dasar komunikasi
3	M.74100.003.02	Menerapkan pengetahuan produksi desain
4	M.74100.004.02	Menerapkan <i>project brief</i>
5	M.74100.005.02	Menerapkan <i>design brief</i>
6	M.74100.006.01	Mengorganisasi informasi terkait proyek desain
7	M.74100.007.01	Menetapkan strategi desain
8	M.74100.008.02	Menetapkan konsep desain
9	M.74100.009.02	Mengoperasikan perangkat lunak desain
10	M.74100.010.01	Menciptakan karya desain
11	M.74100.011.02	Mengevaluasi hasil karya desain
12	M.74100.012.02	Mempresentasikan karya desain
13	M.74100.013.02	Membuat materi siap produksi

130702 MEDIA LIBRARY SUPPORT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICADBS602A	Develop a knowledge management strategy
2	ICAICT609A	Lead the evaluation and implementation of current industry-specific technologies
3	ICAICT610A	Manage copyright, ethics and privacy in an IT environment
4	ICANWK601A	Design and implement a security system
5	ICASAD603A	Plan and monitor business analysis activities in an IT environment
6	ICASAD605A	Elicit IT requirements
7	TIK.DG01.007.01	Menyusun dokumentasi lengkap untuk menjaga hak atas kekayaan intelektual terhadap karya yang dihasilkan
8	TIK.SM01.010.01	Menjamin Integritas Informasi
9	TIK.SM02.003.01	Menyediakan layanan berdasarkan tingkat tertentu
10	TIK.SM03.006.01	Memantau pelayanan prosedur tingkat layanan

130703 MULTIMEDIASPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	ICAPRG602A	Manage the development of technical solutions from business specifications
2	TIK.DG01.010.01	Menghasilkan <i>creative brief</i> untuk pengembangan karya desain
3	TIK.DG02.003.01	Mengerjakan <i>final artwork</i>
4	TIK.DG02.004.01	Menerjemahkan <i>client brief</i>
5	TIK.DG02.005.01	Mengembangkan dan mengkomunikasikan konsep desain
6	TIK.DG02.006.01	Mendesain karya berdasarkan brief
7	TIK.DG02.007.01	Menentukan material karya desain

130601 EDITOR VIDEO (VIDEO EDITOR)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.002.02	Menerapkan prinsip dasar komunikasi
2	TIK.MM01.008.0	Menerapkan prinsip – prinsip rancangan visual
3	TIK.MM01.009.0	Menerapkan prinsip --- prinsip rancangan instruksional
4	TIK.MM02.031.0	Menggabung, merancang, dan menyunting video digital
5	TIK.MM02.053.0	Membuat dan memanipulasi gambar-gambar digital
6	TIK.MM02.062.0	Menyiapkan bahan dan dokumen untuk editing
7	TIK.MM02.063.0	Mengoperasikan peralatan editing video
8	TIK.MM02.064.0	Menjalankan system editing non-linear
9	TIK.MM02.066.0	Menyunting suara dan bunyi
10	TIK.MM02.076.0	Menguji produk multimedia

130602 DESAINER GRAFIS MADYA (INTERMEDIATE GRAPHIC DESIGNER)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.001.02	Mengaplikasikan prinsip dasar desain
2	M.74100.002.02	Menerapkan prinsip dasar komunikasi
3	M.74100.005.02	Menerapkan <i>design brief</i>
4	M.74100.007.01	Menetapkan strategi desain
5	M.74100.008.02	Menetapkan konsep desain
6	M.74100.009.02	Mengoperasikan perangkat lunak desain
7	M.74100.010.01	Menciptakan karya desain
8	M.74100.012.02	Mempresentasikan karya desain

130603 ANIMATOR UTAMA (ADVANCE ANIMATOR)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.002.02	Menerapkan prinsip dasar komunikasi
2	TIK.MM01.008.0	Menerapkan prinsip – prinsip rancangan visual
3	TIK.MM01.009.0	Menerapkan prinsip --- prinsip rancangan instruksional
4	TIK.MM02.011.0	Membuat storyboard untuk animasi
5	TIK.MM02.012.0	Membuat tata – letak gambar untuk animasi
6	TIK.MM02.045.0	Merancang dan membuat animasi
7	TIK.MM02.046.0	Mengkoordinir produksi animasi
8	TIK.MM02.047.0	Membuat gambar kunci untuk animasi
9	TIK.MM02.060.0	Bekerja sama dengan editor untuk finalisasi produksi
10	TIK.MM02.061.0	Membuat keputusan teknis dan kreatif untuk editing (penyuntingan)

130604 DESAINER MULTIMEDIA UTAMA (ADVANCE MULTIMEDIA DESIGNER)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.002.02	Menerapkan prinsip dasar komunikasi
2	TIK.MM01.008.0	Menerapkan prinsip – prinsip rancangan visual
3	TIK.MM01.009.0	Menerapkan prinsip --- prinsip rancangan instruksional
4	TIK.MM02.003.0	Merancang sebuah produk multimedia
5	TIK.MM02.029.0	Merancang dan membuat interface multimedia
6	TIK.MM02.030.0	Merancang navigasi pada sebuah produk multimedia
7	TIK.MM02.031.0	Menggabung, merancang, dan menyunting video digital
8	TIK.MM02.053.0	Membuat dan memanipulasi gambar-gambar digital
9	TIK.MM02.060.0	Bekerja sama dengan editor untuk finalisasi produksi
10	TIK.MM02.061.0	Membuat keputusan teknis dan kreatif untuk editing (penyuntingan)
11	TIK.MM02.062.0	Menyiapkan bahan dan dokumen untuk editing
12	TIK.MM02.063.0	Mengoperasikan peralatan editing video
13	TIK.MM02.064.0	Menjalankan system editing non-linear
14	TIK.MM02.065.0	Menyiapkan daftar keputusan edit
15	TIK.MM02.066.0	Menyunting suara dan bunyi
16	TIK.MM02.076.0	Menguji produk multimedia

130501 DESAINER GRAFIS MUDA (JUNIOR GRAPHICDESIGNER)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.001.02	Mengaplikasikan prinsip dasar desain
2	M.74100.002.02	Menerapkan prinsip dasar komunikasi
3	M.74100.005.02	Menerapkan <i>design brief</i>
4	M.74100.009.02	Mengoperasikan perangkat lunak desain
5	M.74100.010.01	Menciptakan karya desain

130502 MULTIMEDIA SPECIALISTEFFECT

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.002.02	Menerapkan prinsip dasar komunikasi
2	TIK.MM03.001.0	Mengkoordinir pembuatan efek khusus
3	TIK.MM03.002.0	Membuat efek khusus untuk layar
4	TIK.MM03.003.0	Merakit dan merawat item-item efek khusus selama produksi
5	TIK.MM03.004.0	Melakukan efek khusus dengan aman
6	TIK.MM03.005.0	Merancang dan membuat efek khusus untuk layar
7	TIK.MM03.006.0	Memperbaiki, merawat, dan mengubah efek khusus
8	TIK.MM03.007.0	Melakukan sulih suara pada video untuk transmisi TV

130503 AUDIO VISUALSUPERVISOR

1	CUVPHI519A	Investigate and exploit innovative imaging options
2	ICADMT501A	Incorporate and edit digital video
3	ICASAS509A	Provide client IT support services
4	ICTTEN5024A	Provide consultancy and technical support in the customerpremises equipment sector
5	KOM.PR02.020.0	Membuat perencanaan program kehumasan
6	KOM.PR02.039.0	Melakukan komunikasi dengan kelompok tertentu
7	TIK.JK04.005.01	Menginstall dan memelihara proses pembuktian keaslian (authentication)
8	TIK.JK05.002.01	Melaksanakan prosedur perawatan
9	TIK.MM03.001.0	Mengkoordinir pembuatan efek khusus
10	TIK.MM03.002.0	Membuat efek khusus untuk layar

130504 MEDIALIBRARIAN

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT408A	Create technical documentation
2	ICAICT423A	Select cloud storage strategies

130505 TAPELIBRARIAN

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.003.01	Membuat dokumentasi teknis
2	KOM.PR01.001.0	Membuat dan mengakses dokumen di komputer
3	TIK.CS02.011.01	Memasang memory
4	TIK.CS02.041.01	Mengembalikan file pada harddisk yang terhapus atau data hilang
5	TIK.CS03.006.01	Melakukan <i>restore operating system</i>
6	TIK.CS03.007.01	Melakukan <i>back up</i> data dan sistem
7	TIK.CS03.010.01	Memperbaiki floppy disk drive
8	TIK.CS03.011.01	Memperbaiki CD RW
9	TIK.MM02.058.0	Mengelola aset multimedia
10	TIK.MM02.059.0	Memperbarui isi halaman web
11	TIK.OP02.018.01	Mengoperasikan utilitas dasar utk <i>backup, restore, data recovery</i>
12	TIK.OP03.002.01	Mengoperasikan dasar-dasar basis data (data base)

130401 DESAINER MULTIMEDIA MADYA (INTERMEDIATE MULTIMEDIA DESIGNER)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.002.02	Menerapkan prinsip dasar komunikasi
2	TIK.MM01.004.0	Memperagakan pengetahuan dan syarat – syarat multimedia
3	TIK.MM01.005.0	Mengidentifikasi komponen multimedia
4	TIK.MM01.007.0	Memilih dan memakai <i>software</i> dan <i>hardware</i> untuk multimedia
5	TIK.MM01.008.0	Menerapkan prinsip --- prinsip rancangan visual
6	TIK.MM01.009.0	Menerapkan prinsip --- prinsip rancangan instruksional
7	TIK.MM02.027.0	Membuat sebuah produk multimedia
8	TIK.MM02.031.0	Menggabung, merancang, dan menyunting video digital
9	TIK.MM02.062.0	Menyiapkan bahan dan dokumen untuk editing
10	TIK.MM02.071.0	Menggabungkan fotografi digital kedalam sajian multimedia
11	TIK.MM02.073.0	Menggabungkan animasi kedalam sajian multimedia
12	TIK.MM02.076.0	Menguji produk multimedia

130402 ANIMATOR MADYA (INTERMEDIATE ANIMATOR)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.002.02	Menerapkan prinsip dasar komunikasi
2	TIK.MM01.008.0	Menerapkan prinsip – prinsip rancangan visual
3	TIK.MM01.009.0	Menerapkan prinsip --- prinsip rancangan instruksional
4	TIK.MM01.011.0	Menjual produk dan jasa
5	TIK.MM02.012.0	Membuat tata – letak gambar untuk animasi
6	TIK.MM02.050.0	Membuat animasi stop-motion (bidang datar)
7	TIK.MM02.051.0	Membuat animasi stop- motion (modeling)
8	TIK.MM02.052.0	Membuat rekaman gambar berurutan untuk animasi
9	TIK.MM02.055.0	Membuat animasi digital 3D

130403 FORMS AND GRAPHICS DESIGNER

No	Kode Unit	Nama Unit Kompetensi
1	TIK.MM02.027.0	Membuat sebuah produk multimedia
2	TIK.MM02.028.0	Menerapkan rancangan permainan (game) pada sebuah produk Multimedia
3	TIK.MM02.030.0	Merancang navigasi pada sebuah produk multimedia
4	TIK.MM02.032.0	Membuat, memanipulasi, dan menggabung gambar 2D
5	TIK.OP02.019.01	Mengoperasikan piranti lunak pengolah gambar vektor

130404 AUDIO VISUAL TECHNICIAN

No	Kode Unit	Nama Unit Kompetensi
1	CUFANM402A	Create digital visual effects
2	ICADMT401A	Create visual design components for digital media
3	ICADMT403A	Produce and edit digital images
4	ICAGAM416A	Prepare and complete image rendering processes
5	R.900030.005.01	Menyusun komposisi dalam pengoperasian kamera
6	TIK.MM01.007.0	Memilih dan memakai software dan hardware untuk multimedia
7	TIK.MM02.040.0	Menggabung bidikan kamera dan mengoperasikan sebuah kamera
8	TIK.MM02.063.0	Mengoperasikan peralatan editing video
9	TIK.MM02.064.0	Menjalankan system editing non-linear
10	TIK.MM03.004.0	Melakukan efek khusus dengan aman
11	TIK.MM03.005.0	Merancang dan membuat efek khusus untuk layar
12	TIK.MM03.006.0	Memperbaiki, merawat, dan mengubah efek khusus
13	TIK.MM03.007.0	Melakukan sulih suara pada video untuk transmisi TV
14	TIK.OP02.004.01	Mengoperasikan piranti lunak pengolah kata (word processor) – tingkat dasar
15	TIK.SM01.004.01	Melakukan komunikasi di tempat kerja

130301 DIGITAL ARTIST JUNIOR (JUNIOR DIGITAL ARTIST)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.001.02	Mengaplikasikan prinsip dasar desain
2	M.74100.002.02	Menerapkan prinsip dasar komunikasi
3	M.74100.010.01	Menciptakan karya desain
4	TIK.MM01.005.0	Mengidentifikasi komponen multimedia
5	TIK.MM02.007.0	Merawat daya <i>battery</i> dan stok video untuk sebuah shooting
6	TIK.MM02.008.0	Mengkoordinir dan mengisi stok film
7	TIK.MM02.053.0	Membuat dan memanipulasi gambar-gambar digital
8	TIK.OP02.019.01	Mengoperasikan piranti lunak pengolah gambar vektor

130302 DIGITAL IMAGING

No	Kode Unit	Nama Unit Kompetensi
1	J.LSPK.MM003.0	Mentransfer file multimedia kedalam sistem komputer (SK)
2	M.74100.002.02	Menerapkan prinsip dasar komunikasi
3	M.74100.010.01	Menciptakan karya desain
4	TIK.MM01.008.0	Menerapkan prinsip – prinsip rancangan visual
5	TIK.MM02.010.0	Men-set-up sebuah kamera
6	TIK.MM02.053.0	Membuat dan memanipulasi gambar-gambar digital
7	TIK.OP02.002.01	Mengoperasikan printer
8	TIK.OP02.015.01	Mempergunakan perangkat keras dan piranti lunak untuk memindai dokumen gambar
9	TIK.OP02.019.01	Mengoperasikan piranti lunak pengolah gambar vektor

130303 TEKNIS AUDIOVISUAL (AUDIOVISUAL TECHNICIAN)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.002.02	Menerapkan prinsip dasar komunikasi
2	TIK.AVT1.01.2016	Mengoperasikan LCD proyektor
3	TIK.AVT2.01.2016	Mengoperasikan <i>sound mixer</i>
4	TIK.AVT3.01.2016	Mentransfer aset multimedia kedalam sistem komputer
5	TIK.MM01.004.0	Memperagakan pengetahuan dan syarat – syarat multimedia
6	TIK.MM01.005.0	Mengidentifikasi komponen multimedia
7	TIK.MM02.010.0	Men-set-up sebuah kamera
8	TIK.MM02.017.0	Membuat dan merealisasikan rancangan pencahayaan
9	TIK.MM02.039.0	Men-set-up dan mengoperasikan kamera video dasar
10	TIK.MM02.058.0	Mengelola aset multimedia
11	TIK.OP02.001.01	Mengoperasikan komputer personal yang berdiri sendiri (<i>PC stand alone</i>)

130201 DESAINER MULTIMEDIA MUDA (JUNIOR MULTIMEDIA DESIGNER)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.002.02	Menerapkan prinsip dasar komunikasi
2	TIK.MM01.004.0	Memperagakan pengetahuan dan syarat – syarat multimedia
3	TIK.MM01.005.0	Mengidentifikasi komponen multimedia
4	TIK.MM01.007.0	Memilih dan memakai <i>software</i> dan <i>hardware</i> untuk multimedia
5	TIK.MM01.008.0	Menerapkan prinsip – prinsip rancangan visual
6	TIK.MM01.009.0	Menerapkan prinsip --- prinsip rancangan instruksional
7	TIK.MM02.027.0	Membuat sebuah produk multimedia
8	TIK.MM02.069.0	Menggabungkan teks kedalam sajian multimedia
9	TIK.MM02.070.0	Menggabungkan gambar 2D kedalam sajian multimedia
10	TIK.MM02.072.0	Menggabungkan audio ke dalam sajian multimedia

130202 ANIMATOR MUDA (JUNIOR ANIMATOR)

No	Kode Unit	Nama Unit Kompetensi
1	M.74100.002.02	Menerapkan prinsip dasar komunikasi
2	TIK.MM01.008.0	Menerapkan prinsip --- prinsip rancangan visual
3	TIK.MM01.009.0	Menerapkan prinsip --- prinsip rancangan instruksional
4	TIK.MM02.011.0	Membuat storyboard untuk animasi
5	TIK.MM02.012.0	Membuat tata --- letak gambar untuk animasi
6	TIK.MM02.032.0	Membuat, memanipulasi, dan menggabung gambar 2D
7	TIK.MM02.054.0	Membuat animasi digital 2D

130101 MULTIMEDIA MANAGEMENT CLERK

No	Kode Unit	Nama Unit Kompetensi
1	J. 590000.017.02	Membuat aset visual berdasarkan langkah kerja yang telah ditetapkan
2	K.64.0000.003.01	Bekerja sebagai anggota kelompok/tim
3	K.640000.004.01	Berkomunikasi di tempat kerja
4	M.74100.009.01	Mengoperasikan perangkat lunak desain

14 IT MOBILITY AND INTERNET OF THINGS

140901 CHIEF MOBILITY OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT713A	Manage IT services
2	ICASUS702A	Conduct a business case study for integrating sustainability in IT planning and design projects
3	J.612000.011	Merancang <i>mobile security measurement</i>
4	J.612000.015	Membuat <i>mobile unified communication</i>
5	J.612000.016	Mengembangkan <i>mobile financial</i>
6	J.612000.026	Merancang spesifikasi teknis <i>smart phone/ tablet</i> sesuai kebutuhan pengguna
7	J.62090.002	Menyelaraskan penerapan prinsip perlindungan informasi dengan misi dan tujuan organisasi
8	J.631120.003.01	Mengidentifikasi berbagai jenis perangkat keras yang dibutuhkan
9	J.631120.014.01	Memantau sarana dan prasarana agar bisa digunakan oleh <i>user</i> sesuai dengan SLA
10	TIK.SM02.011.01	Menetapkan resolusi dan masalah terhadap seluruh aktivitas seluruh siklus hidup TI

140801 MOBILE AND IOT DIRECTOR

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.014	Melaksanakan <i>mobile forensic</i>
2	J.612000.025	Menentukan <i>mobile seluler network</i>
3	J.612000.027	Menunjukkan penguasaan konsep dan teknis <i>mobile sensor</i> untuk <i>mobile computing</i> .
4	J.612000.028	Menjelaskan tentang sensor pada WPAN
5	J.612000.029	Merancang spesifikasi teknis <i>wearable computing</i>
6	J.612000.030	Mengidentifikasi tentang <i>wireless technology</i>
7	J.612000.031	Mengidentifikasi Layanan <i>geolocation</i> dan <i>geofencing</i>
8	J.612000.035	Menunjukkan internet of things (IoT) dan <i>smart city technology</i>

140701 ARSITEK CLOUD COMPUTING (CLOUD COMPUTING ARCHITECT)

No	Kode Unit	Nama Unit Kompetensi
1	J.631120.001.01	Mendefinisikan terminologi dan konsep <i>Cloud Computing</i> .
2	J.631120.002.01	Mengidentifikasi teknologi <i>Cloud Computing</i> .
3	J.631120.003.01	Mengidentifikasi berbagai jenis perangkat keras yang dibutuhkan.
4	J.631120.004.01	Mengidentifikasi berbagai tipe <i>Data Center</i> .
5	J.631120.005.01	Merancang arsitektur virtualisasi sistem <i>Cloud</i> .
6	J.631120.006.01	Merancang arsitektur skalabilitas virtualisasi sistem <i>Cloud</i> .
7	J.631120.007.01	Menentukan alur proses jenis layanan pada <i>Cloud Computing</i> .
8	J.631120.012.01	Memetakan kebutuhan aplikasi dari user ke solusi <i>Cloud</i> .

140702 MOBILE COMPUTING SENIOR (SENIOR MOBILE COMPUTING)

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.010	Mengatasi <i>Mobile Security Threats</i> .
2	J.612000.011	Merancang <i>Mobile Security Measurement</i> .
3	J.612000.012	Mengembangkan <i>Smart Client Security</i> .
4	J.612000.013	Merancang tentang <i>Wireless Security Protocol</i> .
5	J.612000.016	Mengembangkan <i>Mobile Financial</i> .
6	J.612000.019	Merancang <i>Mobile Cloud Computing</i> .
7	J.612000.021	Mengembangkan <i>Mobile Sensor</i> pada <i>Mobile Computing Environment</i> .
8	J.612000.033	Merancang tentang <i>Mobile network Management</i> .
9	J.612000.034	Merancang <i>Wireless Sensor Network (WSN)</i> .

140703 INSINYUR CLOUD COMPUTING (CLOUD COMPUTING ENGINEER)

No	Kode Unit	Nama Unit Kompetensi
1	J.631120.001.01	Mendefinisikan terminologi dan konsep <i>Cloud Computing</i> .
2	J.631120.002.01	Mengidentifikasi teknologi <i>Cloud Computing</i> .
3	J.631120.003.01	Mengidentifikasi berbagai jenis perangkat keras yang dibutuhkan
4	J.631120.013.01	Menjalankan aktivitas rutin pada IaaS, PaaS, dan SaaS.
5	J.631120.014.01	Memantau sarana dan prasarana agar bisa digunakan oleh User Sesuai dengan SLA
6	J.631120.015.01	Memberikan dukungan teknis atas masalah user dan <i>Report Next Layer</i>

140704 KEAMANAN CLOUD COMPUTING (CLOUD COMPUTING SECURITY)

No	Kode Unit	Nama Unit Kompetensi
1	J.631120.001.01	Mendefinisikan terminologi dan konsep <i>Cloud Computing</i> .
2	J.631120.002.01	Mengidentifikasi teknologi <i>Cloud Computing</i> .
3	J.631120.007.01	Menentukan alur proses jenis layanan pada <i>Cloud Computing</i> .
4	J.631120.008.01	Mengimplementasikan virtualisasi sesuai dengan kebutuhan organisasi.
5	J.631120.009.01	Mengimplementasikan topologi jaringan.
6	J.631120.010.01	Melakukan adaptasi untuk <i>Deployment</i> di <i>Environment Cloud</i> .
7	J.631120.011.01	Mengembangkan perangkat lunak sesuai dengan <i>Deployment Environment</i> .
8	J.631120.012.01	Memetakan kebutuhan aplikasi dari <i>User</i> ke solusi <i>Cloud</i> .

140705 INTERNET --- INTRANET ACTIVITIESMANAGER

No	Kode Unit	Nama Unit Kompetensi
1	BSBWOR502B	<i>Ensure team effectiveness.</i>
2	ICAICT412A	<i>Coordinate and maintain IT work teams.</i>
3	TIK.JK02.001.01	Membuat desain jaringan lokal (<i>LAN</i>).
4	TIK.JK04.002.01	Menginstall dan mengelola jaringan <i>Multi Server</i> .
5	TIK.JK04.008.01	Menginstalasi dan mengkonfigurasi <i>Web Server</i> .
6	TIK.PR04.001.01	Menerapkan keamanan <i>Website</i> dinamis.
7	TIK.PR04.008.01	Memelihara unjuk kerja situs <i>Web</i> .

140706 INTERNET SYSTEMS MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK605A	<i>Design and configure secure integrated wireless systems.</i>
2	ICANWK606A	<i>Implement voice applications over secure wireless networks.</i>
3	ICAPRG604A	<i>Create cloud computing services.</i>
4	ICTTEN6172A	<i>Design and configure an IP-MPLS network with virtual private network tunneling.</i>
5	J.612000.027.01	Melakukan perencanaan jaringan IP-MPLS.
6	J.612000.042.01	Melakukan <i>Dimensioning</i> untuk jaringan multi-layanan berbasis IP.
7	TIK.DG02.005.01	Mengembangkan dan mengkomunikasikan konsep desain.
8	TIK.JK02.001.01	Membuat desain jaringan lokal (<i>LAN</i>).
9	TIK.JK02.002.01	Membuat desain jaringan berbasis luas (<i>WAN</i>).
10	TIK.JK04.002.01	Menginstall dan Mengelola jaringan <i>Multi Server</i> .
11	TIK.JK04.003.01	Mengevaluasi status sistem.

No	Kode Unit	Nama Unit Kompetensi
12	TIK.JK04.004.01	Memonitor dan mengadministrasi keamanan sistem.
13	TIK.JK04.005.01	Menginstall dan memelihara proses pembuktian keaslian (<i>authentication</i>).
14	TIK.JK04.008.01	Menginstalasi dan mengkonfigurasi <i>Web Server</i> .
15	TIK.JK04.011.01	Menginstalasi dan mengkonfigurasi <i>DNS Server</i> .
16	TIK.JK04.012.01	Menginstalasi dan mengkonfigurasi <i>File</i> dan <i>Print Server</i> .
17	TIK.JK04.014.01	Menginstalasi dan mengkonfigurasi <i>FTP Server</i> .
18	TIK.JK04.015.01	Menginstalasi dan mengkonfigurasi <i>Database Server</i> .
19	TIK.JK04.016.01	Menginstalasi Aplikasi SNMP.
20	TIK.JK04.017.01	Menginstalasi dan mengkonfigurasi <i>Firewall</i> pada <i>server</i> .
21	TIK.JK05.001.01	Menentukan strategi perawatan.
22	TIK.JK05.008.01	Mengelola keamanan sistem.
23	TIK.JK05.010.01	Menjamin <i>privacy</i> (kerahasiaan) pengguna.
24	TIK.JK05.011.01	Memonitor dan mengadministrasi keamanan jaringan.
25	TIK.OP03.003.01	Membuat halaman web menggunakan bahasa web (HTML) tingkat dasar.
26	TIK.SM01.001.01	Melaksanakan Pekerjaan Secara Tim.

140707 WEB CONTENT MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICAPRG601A	<i>Develop advanced mobile multi-touch applications.</i>
2	ICASAD607A	<i>Manage assessment and validation of IT solutions.</i>
3	J.591100.014.01	Menangani evaluasi hasil kegiatan siaran.
4	J.611000.005.02	Menentukan spesifikasi perangkat jaringan.
5	KOM.PR01.008.0	Menerapkan kepemimpinan (<i>leadership</i>).
6	TIK.JK04.008.01	Menginstalasi dan mengkonfigurasi <i>Web Server</i> .
7	TIK.JK04.009.01	Menginstalasi dan mengkonfigurasi <i>Mail Server</i> .
8	TIK.JK04.010.01	Menginstalasi dan mengkonfigurasi <i>Proxy Server</i> .

140708 MANAGER VIDEO AND WEBSITECONTENT

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT604A	<i>Identify and implement business innovation.</i>
2	ICAICT606A	<i>Develop communities of practice.</i>
3	ICANWK615A	<i>Design and configure desktop virtualization.</i>
4	ICTTEN6172A	<i>Design and configure an IP-MPLS network with virtual private network tunnelling.</i>

No	Kode Unit	Nama Unit Kompetensi
5	KOM.PR02.048.0	Menyelenggarakan <i>cyber public relations</i> .
6	KOM.PR02.053.0	Melaksanakan analisis isi (<i>content analysis</i>).
7	M.702090.001.0	Mengelola proyek secara terintegrasi (<i>Project Integration Management</i>).
8	M.702090.002.0	Mengelola ruang lingkup proyek (<i>Project Scope Management</i>).
9	TIK.DG01.010.01	Menghasilkan <i>creative brief</i> untuk pengembangan karya desain.
10	TIK.DG02.004.01	Menerjemahkan <i>client brief</i> .
11	TIK.DG02.005.01	Mengembangkan dan mengkomunikasikan konsep desain.
12	TIK.DG02.009.01	Mengevaluasi hasil karya desain.
13	TIK.MM02.076.0	Menguji produk multimedia.
14	TIK.PR04.002.01	Menerapkan keamanan web.

140601 PENGEMBANG CLOUD COMPUTING (CLOUDCOMPUTING DEVELOPER)

No	Kode Unit	Nama Unit Kompetensi
1	J.631120.001.01	Mendefinisikan terminologi dan konsep <i>Cloud Computing</i> .
2	J.631120.002.01	Mengidentifikasi teknologi <i>Cloud Computing</i> .
3	J.631120.006.01	Merancang arsitektur skalabilitas virtualisasi sistem <i>Cloud</i> .
4	J.631120.007.01	Menentukan alur proses jenis layanan pada <i>Cloud Computing</i> .
5	J.631120.008.01	Mengimplementasikan virtualisasi sesuai dengan kebutuhan organisasi.
6	J.631120.014.01	Memantau sarana dan prasarana agar bisa digunakan oleh user sesuai dengan SLA.

140602 MOBILE COMPUTING UTAMA (ADVANCE MOBILE COMPUTING)

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.011	Merancang <i>Mobile Security Measurement</i> .
2	J.612000.012	Mengembangkan <i>Smart Client Security</i> .
3	J.612000.013	Merancang tentang <i>Wireless Security Protocol</i> .
4	J.612000.014	Melaksanakan <i>Mobile Forensic</i> .
5	J.612000.015	Membuat <i>Mobile Unified Communication</i> .
6	J.612000.016	Mengembangkan <i>Mobile Financial</i> .
7	J.612000.019	Merancang <i>Mobile Cloud Computing</i> .
8	J.612000.021	Mengembangkan <i>Mobile Sensor</i> pada <i>Mobile Computing Environment</i> .
9	J.612000.026	Merancang spesifikasi teknis <i>Smart phone/ Tablet</i> sesuai kebutuhan pengguna.
10	J.612000.034	Merancang <i>Wireless Sensor Network (WSN)</i> .
11	J.612000.035	Menunjukkan <i>Internet of Things (IoT)</i> dan <i>Smart City Technology</i> .

140603 WEBMASTER

No	Kode Unit	Nama Unit Kompetensi
1	ICTWEB413	<i>Optimise search engines.</i>
2	ICTWEB424	<i>Evaluate and select a web hosting service.</i>
3	ICTWEB512	<i>Administer business websites and servers.</i>
4	ICTWEB515	<i>Implement and use web services.</i>
5	ICTWEB516	<i>Research and apply emerging web technology trends.</i>
6	J.620100.001.01	Menganalisis <i>Tools</i> .
7	J.620100.002.01	Menganalisis skalabilitas perangkat lunak.
8	J.620100.013.01	Menerapkan pemecahan permasalahan menjadi subrutin.
9	J.620100.014.01	Menerapkan metode dan praktik penggunaan kembali (<i>reusable</i>) subrutin-subrutin.
10	J.620100.015.01	Menyusun fungsi, file atau sumber daya pemrograman yang lain dalam organisasi yang rapi.
11	J.620100.023.02	Membuat dokumen kode program.
12	J.620100.024.02	Melakukan migrasi ke teknologi baru.
13	J.620100.025.02	Melakukan <i>Debugging</i> .
14	J.620100.026.01	Menerapkan <i>Source Code Versioning</i> .
15	J.620100.027.01	Mengimplementasikan <i>Network Programming</i> .
16	J.620100.040.01	Membuat paket instalasi perangkat lunak.
17	J.620100.043.01	Menganalisis dampak perubahan terhadap aplikasi.
18	J.620100.046.01	Mengimplementasikan fitur <i>Logging Aplikasi</i> .
19	J.620100.047.01	Melakukan pembaharuan perangkat lunak.
20	TIK.JK04.008.01	Menginstalasi dan mengkonfigurasi <i>Web Server</i> .
21	TIK.JK04.017.01	Menginstalasi dan mengkonfigurasi <i>Firewall</i> pada <i>server</i> .

140604 WEB ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	J.620100.001.01	Menganalisis <i>Tools</i> .
2	J.620100.002.01	Menganalisis skalabilitas perangkat lunak.
3	J.620100.004.02	Menggunakan struktur data.
4	J.620100.007.01	Mengimplementasikan rancangan entitas dan keterkaitan antar entitas.
5	J.620100.008.01	Merancang arsitektur aplikasi.
6	J.620100.032.01	Menerapkan <i>Code Review</i> .
7	J.620100.033.02	Melaksanakan pengujian unit program.
8	J.620100.034.02	Melaksanakan pengujian integrasi program.
9	J.620100.035.02	Melaksanakan pengujian program sistem.
12	J.620100.036.02	Melaksanakan pengujian kode program secara statis.
13	J.620100.037.01	Melaksanakan <i>Stress Test</i> .
14	J.620100.038.01	Melaksanakan pengujian oleh pengguna (UAT)

140605 ON-LINE TRANSACTION PROCESSING ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT403A	<i>Apply software development methodologies.</i>
2	ICAICT413A	<i>Relate to clients on a business level.</i>
3	ICANWK419A	<i>Identify and use current virtualisation technologies.</i>
4	ICASAS414A	<i>Evaluate system status.</i>
5	ICAWEB421A	<i>Ensure website content meets technical protocols and standards.</i>
6	ICAWEB422A	<i>Ensure website access and useability.</i>
7	ICAWEB423A	<i>Ensure dynamic website security.</i>
8	TIK.JK03.009.01	Melakukan analisa teknologi baru.

140606 WEB ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICTWEB404	<i>Maintain website performance.</i>
2	ICTWEB422	<i>Ensure website access and useability.</i>
3	ICTWEB423	<i>Ensure dynamic website security.</i>
4	J.620100.001.01	Menganalisis <i>Tools</i> .
5	J.620100.002.01	Menganalisis skalabilitas perangkat lunak.
6	J.620100.009.01	Menggunakan spesifikasi program.
7	J.620100.031.01	Melakukan profiling program.

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| 8 | J.620100.039.02 | Memberikan petunjuk teknis kepada pelanggan. |
| 9 | J.620100.044.01 | Menerapkan <i>Alert Notification</i> jika aplikasi bermasalah. |
| 10 | J.620100.045.01 | Melakukan pemantauan <i>Resource</i> yang digunakan aplikasi. |

140607 INTERNET/INTRANETADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICANWK401A	<i>Install and manage a server.</i>
2	ICTNWK406	<i>Install, configure and test network security.</i>
3	TIK.JK02.015.01	Mengkonfigurasi TCP/IP dinamis pada <i>workstation</i> yang terhubung pada jaringan.
4	TIK.JK04.002.01	Menginstall dan mengelola jaringan multi server.
5	TIK.JK04.017.01	Menginstalasi dan mengkonfigurasi <i>Firewall</i> pada server
6	TIK.OP03.003.01	Membuat halaman web menggunakan bahasa web (HTML) tingkat dasar.

140501 MOBILE COMPUTING MUDA (JUNIOR MOBILE COMPUTING)

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.011	Merancang <i>Mobile Security Measurement</i> .
2	J.612000.012	Mengembangkan <i>Smart Client Security</i> .
3	J.612000.013	Merancang tentang <i>Wireless Security Protocol</i> .
4	J.612000.014	Melaksanakan <i>Mobile Forensic</i> .
5	J.612000.015	Membuat <i>Mobile Unified Communication</i> .
6	J.612000.016	Mengembangkan <i>Mobile Financial</i> .
7	J.612000.019	Merancang <i>Mobile Cloud Computing</i> .
8	J.612000.021	Mengembangkan <i>Mobile Sensor</i> pada <i>Mobile Computing Environment</i> .
9	J.612000.026	Merancang spesifikasi teknis <i>Smart phone/ Tablet</i> sesuai kebutuhan pengguna.
10	J.612000.034	Merancang <i>Wireless Sensor Network (WSN)</i> .
11	J.612000.035	Menunjukkan <i>Internet of Things (IoT)</i> dan <i>Smart City Technology</i> .

140502 INTERNET DEVELOPER

No	Kode Unit	Nama Unit Kompetensi
1	ICAWEB419A	<i>Develop guidelines for uploading information to a website</i>
2	ICTWEB511	<i>Implement quality assurance process for websites</i>
3	ICTWEB516	<i>Research and apply emerging web technology trends</i>
4	J.620100.047.01	Melakukan pembaharuan perangkat lunak.
5	TIK.JK03.012.01	Melakukan audit pre-intalasi untuk instalasi perangkat lunak.

No	Kode Unit	Nama Unit Kompetensi
.6	TIK.JK04.004.01	Memonitor dan mengadministrasi keamanan sistem.
7	TIK.JK04.008.01	Menginstalasi dan mengkonfigurasi <i>Web Server</i> .
8	TIK.PR02.005.01	Mengembangkan <i>user interface</i> .
9	TIK.PR02.012.01	Membuat dokumen kode program.
10	TIK.PR04.004.01	Menerapkan <i>Web Hosting</i> .
11	TIK.PR04.005.01	Menerapkan konten <i>Website</i> memenuhi protokol standar.
12	TIK.PR04.006.01	Mempersiapkan basis data untuk sebuah situs web.
13	TIK.PR05.002.01	Mengoperasikan aplikasi multimedia untuk playback web.

140503 WEB SITEDESIGNER

No	Kode Unit	Nama Unit Kompetensi
1	ICTWEB414	<i>Design simple web page layouts</i>
2	ICTWEB501	<i>Build a dynamic website</i>
3	J.620100.001.01	Menganalisis <i>Tools</i> .
4	J.620100.002.01	Menganalisis skalabilitas perangkat lunak.
5	J.620100.003.01	Melakukan identifikasi <i>Library</i> , Komponen atau <i>Framework</i> yang diperlukan.
6	J.620100.010.01	Menerapkan perintah eksekusi bahasa pemrograman berbasis teks, grafik, dan multimedia.
7	J.620100.011.01	Melakukan instalasi <i>Software Tools</i> pemrograman
8	J.620100.016.01	Menulis kode dengan prinsip sesuai <i>Guidelines</i> dan <i>Best Practices</i>
9	J.620100.017.02	Mengimplementasikan pemrograman terstruktur.
10	J.620100.018.02	Mengimplementasikan pemrograman berorientasi objek.
11	J.620100.019.02	Menggunakan <i>Library</i> atau Komponen <i>Pre-Existing</i> .
12	J.620100.020.02	Menggunakan SQL.
13	J.620100.021.02	Menerapkan akses basis data.
14	J.620100.022.02	Mengimplementasikan algoritma pemrograman.
15	J.620100.030.02	Menerapkan pemrograman multimedia.
16	J.620100.031.01	Melakukan <i>Profiling Program</i> .
17	J.620100.032.01	Menerapkan <i>Code Review</i> .
18	J.620100.033.02	Melaksanakan pengujian unit program.
19	J.620100.037.01	Melaksanakan <i>Stress Test</i> .
20	J.620100.041.01	Melaksanakan <i>Cutover</i> aplikasi.

140401 SENIOR MOBILE COMPUTING (MOBILE COMPUTING SENIOR)

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.002	Merancang <i>Mobile Network Programming</i> .
2	J.612000.003	Merancang Database dan <i>Data Persistence</i> pada <i>Mobile Data</i> .
3	J.612000.004	Membuat multimedia <i>Messaging Application</i> pada <i>Mobile Computing</i> .
4	J.612000.005	Merancang Pemrograman pada <i>Mobile Network Element</i> .
5	J.612000.006	Menyusun <i>Mobile location Based Service</i> , GPS dan <i>Mobile Navigation</i> .
6	J.612000.007	Merancang <i>Mobile Interface</i> .
7	J.612000.017	Membuat <i>Mobile Digital Media</i> .
8	J.612000.018	Merancang penggunaan dan pengembangan <i>Mobile API</i> .
9	J.612000.029	Merancang spesifikasi teknis <i>Wearable Computing</i> .

140402 E-COMMERCE SPECIALIST

No	Kode Unit	Nama Unit Kompetensi
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140301 JUNIOR MOBILE COMPUTING (MOBILE COMPUTING JUNIOR)

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.001	Menunjukkan <i>Platform Operating System</i> dan bahasa pemrograman di dalam perangkat lunak.
2	J.612000.003	Merancang Database dan <i>Data Persistence</i> pada <i>Mobile Data</i> .
3	J.612000.006	Menyusun <i>Mobile location Based Service</i> , GPS dan <i>Mobile Navigation</i> .
4	J.612000.007	Merancang <i>Mobile Interface</i> .
5	J.612000.008	Menjelaskan dasar-dasar <i>Mobile Security</i> .
6	J.612000.022	Menjelaskan <i>Mobile Sensor</i> dan Spesifikasi Teknisnya untuk <i>Mobile Computing</i> .
7	J.612000.025	Menentukan <i>Mobile Seluler Network</i> .

140201 IOT OPERATOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBSUS201A	<i>Participate in environmentally sustainable work practices.</i>
2	ICAICT103A	<i>Use, communicate and search securely on the internet.</i>
3	ICAICT201A	<i>Use computer operating systems and hardware.</i>
4	ICAICT207A	<i>Integrate commercial computing packages.</i>
5	ICASAS201A	<i>Maintain inventories for equipment, software and documentation.</i>
6	ICASAS202A	<i>Apply problem-solving techniques to routine IT malfunctions.</i>

140101 MOBILE PROGRAMMINGCLERK

No	Kode Unit	Nama Unit Kompetensi
1	J.612000.001	Menunjukkan <i>Platform Operating System</i> dan Bahasa Pemrogramandi dalam perangkat lunak.
2	J.612000.002	Merancang <i>Mobile Network Programming</i> .
3	J.612000.003	Merancang Database dan <i>Data Persistence</i> pada <i>Mobile Data</i> .
4	J.612000.004	Membuat Multimedia <i>Messaging Application</i> pada <i>Mobile Computing</i> .
5	J.612000.007	Merancang <i>Mobile Interface</i> .
6	J.612000.015	Membuat <i>Mobile Unified Communication</i>
7	J.612000.017	Membuat <i>Mobile Digital Media</i>
8	J.612000.018	Merancang penggunaan dan pengembangan <i>Mobile API</i>
9	J.612000.023	Menentukan cara kerja <i>Integrated Mobile Features</i>
10	J.612000.024	Menunjukkan cara kerja kartu cerdas

15 INTEGRATION APPLICATION SYSTEM

150901 CHIEF SYSTEM OFFICER

No	Kode Unit	Nama Unit Kompetensi
1	BSBINN801	<i>Lead innovative thinking and practice.</i>
2	BSBLDR803	<i>Develop and cultivate collaborative partnerships and relationships.</i>
3	ICTICT801	<i>Lead research into identifying new marketplace opportunities.</i>
4	ICTICT802	<i>Direct ICT services.</i>
5	ICTSUS802	<i>Conduct a business case study for integrating sustainability in ICT planning and design projects.</i>
6	ICTSUS804	<i>Use ICT to improve sustainability outcomes.</i>
7	ICTSUS805	<i>Manage improvements in ICT sustainability.</i>
8	ICTSUS806	<i>Lead applied research in ICT sustainability.</i>
9	ICTTEN804	<i>Manage end to end architectural solutions across multiple domains.</i>
10	ICTTEN805	<i>Manage solution architecture and impacts in line with organisational processes.</i>

150801 APPLICATION SYSTEMDIRECTOR

1	ICAICT701A	<i>Lead research into identifying new marketplace opportunities.</i>
2	ICAICT702A	<i>Direct ICT services.</i>
3	ICAICT707A	<i>Direct research and business response to new ICT technology.</i>
4	JANCO001	<i>Acquire and maintain a comprehensive knowledge of all enterprise business operations, applications, systems, problems and enhancement requests.</i>
5	JANCO047	<i>Ensure high level of customer service on a global scale and manage cost effective and highly reliable service. Establish and measure service level agreements to ensure service levels are met or exceed.</i>
6	JANCO075	<i>Lead, manage and coordinate the day-to-day operational and tactical activities of a team of project managers, business analysts, database analysts, information center specialists and business systems.</i>
7	JANCO117	<i>Provide vision, planning, leadership and problem solving for all aspects of business applications and systems.</i>
8	JANCO152	<i>Work with IT Management team in the definition, implementation and enforcement of all IT Best Practices and Methodologies.</i>
9	TIK.DG02.010.01	<i>Merekomendasikan argumen-argumen yang meyakinkan terhadap hasil karya desain kepada klien.</i>
10	TIK.SM02.005.01	<i>Mengendalikan aset dan seluruh sumber daya pelayanan TI.</i>

150701 ERPSPECIALIST

No	Kode Unit	Nama Unit Kompetensi
1	J.6202000.001.01	Menyusun kebutuhan proses bisnis yang berjalan.
2	J.6202000.003.01	Menyusun kriteria dan ukuran proses bisnis yang sesuai kebutuhan.
3	J.6202000.004.01	Menghasilkan proses bisnis yang sesuai dengan kebutuhan.
4	J.6202000.005.01	Menyusun proses bisnis yang sesuai kebutuhan dalam bentuk dokumen.
5	J.6202000.006.01	Membandingkan proses bisnis yang berjalan dengan proses bisnis yang sesuai kebutuhan.
6	J.6202000.008.01	Mengevaluasi hasil analisis gap.
7	J.6202000.009.01	Membuat dokumen rencana perpindahan sistem.
8	J.6202000.011.01	Mengevaluasi kriteria Sistem ERP yang sesuai kebutuhan.
9	J.6202000.012.01	Mengidentifikasi kebutuhan transaksi operasional.
10	J.6202000.013.01	Menentukan sistem ERP berdasarkan kebutuhan transaksi operasional.
11	J.6202000.018.01	Menganalisis <i>Alternate Flow</i> dari proses bisnis.
12	J.6202000.019.01	Menyusun dokumen pengujian (<i>Test Case</i>).
13	J.6202000.020.01	Melakukan pengujian sistem ERP sesuai kebutuhan pengguna (<i>User Acceptance Test/UAT</i>).
14	J.6202000.030.01	Merancang rencana pemulihan dari bencana (<i>Disaster Recovery Plan</i>)

150702 PROJECT MANAGER ENTERPRISE RESOURCE PLANNING (ERP)

No	Kode Unit	Nama Unit Kompetensi
1	ICAPMG501A	<i>Manage IT projects.</i>
2	ICAPMG601A	<i>Establish IT project governance.</i>
3	ICAPMG602A	<i>Manage IT project initiation.</i>
4	ICAPMG603A	<i>Manage IT project planning.</i>
5	ICAPMG604A	<i>Manage IT project delivery.</i>
6	ICAPMG605A	<i>Manage IT project closure.</i>
7	ICAPMG606A	<i>Manage IT project quality.</i>
8	ICAPMG607A	<i>Manage and control IT project risks.</i>
9	ICAPMG608A	<i>Manage IT project systems implementation.</i>
10	ICAPMG609A	<i>Plan and direct complex IT projects.</i>
11	ICAPRG502A	<i>Manage a project using software management tools.</i>
12	M.702090.001.0	Mengelola proyek secara terintegrasi (<i>Project Integration Management</i>).
13	M.702090.002.0	Mengelola ruang lingkup proyek (<i>Project Scope Management</i>).
14	M.702090.003.0	Mengelola jadwal waktu proyek (<i>Project Time Management</i>).
15	M.702090.004.0	Mengelola biaya proyek (<i>Project Cost Management</i>).
16	M.702090.005.0	Mengelola kualitas proyek (<i>Project Quality Management</i>).
17	M.702090.006.0	Mengelola sumberdaya manusia proyek (<i>Project Human Resource Management</i>).
18	M.702090.007.0	Mengelola komunikasi proyek (<i>Project Communication Management</i>).
19	M.702090.008.0	Mengelola risiko proyek (<i>Project Risk Management</i>).
20	M.702090.009.0	Mengelola pengadaan-pengadaan proyek (<i>Project Procurement Management</i>).
21	M.702090.010.0	Mengelola <i>Stakeholder</i> proyek (<i>Project Stakeholder Management</i>).

150601 ERP ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	J.6202000.002.01	Menganalisis Proses Bisnis yang Berjalan
2	J.6202000.006.01	Membandingkan Proses Bisnis yang Berjalan dengan Proses Bisnis yang Sesuai Kebutuhan
3	J.6202000.007.01	Membuat Dokumen Hasil Analisis Gap
4	J.6202000.008.01	Mengevaluasi Hasil Analisis Gap
5	J.6202000.009.01	Membuat Dokumen Rencana Perpindahan Sistem
6	J.6202000.010.01	Menentukan Kriteria Sistem ERP
7	J.6202000.011.01	Mengevaluasi Kriteria Sistem ERP yang Sesuai Kebutuhan
8	J.6202000.012.01	Mengidentifikasi Kebutuhan Transaksi Operasional
9	J.6202000.013.01	Menentukan Sistem ERP Berdasarkan Kebutuhan Transaksi Operasional
10	J.6202000.018.01	Menganalisis Alternate Flow dari Proses Bisnis
11	J.6202000.019.01	Menyusun Dokumen Pengujian (Test Case)
12	J.6202000.020.01	Melakukan Pengujian Sistem ERP Sesuai Kebutuhan Pengguna (User Acceptance Test/UAT)

150602 ENTERPRISE RESOURCE PLANNING SECURITYANALYST

No	Kode Unit	Nama Unit Kompetensi
1	J.6202000.029.01	Mengimplementasikan Keamanan Sistem ERP
2	J.62090.003	Menerapkan Prinsip Keamanan Informasi untuk Penggunaan Jaringan Internet
3	J.62090.004	Menerapkan Prinsip Keamanan Informasi pada Transaksi Elektronik
4	J.62090.009	Mengelola Prosedur Keamanan Informasi
5	J.62090.011	Menerapkan Standar-Standar Keamanan Informasi yang Berlaku

150603 ENTERPRISE RESOURCE MANAGEMENT SUBJECT MATTER EXPERT

No	Kode Unit	Nama Unit Kompetensi
1	J.6202000.001.01	Menyusun Kebutuhan Proses Bisnis yang Berjalan
2	J.6202000.003.01	Menyusun Kriteria dan Ukuran Proses Bisnis yang Sesuai Kebutuhan
3	J.6202000.008.01	Mengevaluasi Hasil Analisis Gap
4	J.6202000.010.01	Menentukan Kriteria Sistem ERP
5	J.6202000.012.01	Mengidentifikasi Kebutuhan Transaksi Operasional
6	J.6202000.013.01	Menentukan Sistem ERP Berdasarkan Kebutuhan Transaksi Operasional
7	J.6202000.018.01	Menganalisis Alternate Flow dari Proses Bisnis
8	J.6202000.020.01	Melakukan Pengujian Sistem ERP Sesuai Kebutuhan Pengguna (User Acceptance Test/UAT)

150604 ENTERPRISE RESOURCE PLANNING DATAARCHITECT

No	Kode Unit	Nama Unit Kompetensi
1	J.6202000.009.01	Membuat Dokumen Rencana Perpindahan Sistem
2	J.6202000.017.01	Melakukan Migrasi Data
3	J.6202000.019.01	Menyusun Dokumen Pengujian (Test Case)
4	J.6202000.021.01	Melakukan Update Data Master
5	J.6202000.028.01	Melakukan Backup Sistem ERP

150605 ENTERPRISE RESOURCE PLANNING (ERP) INFRASTRUCTURE ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	J.6202000.014.01	Melakukan Instalasi Perangkat Keras dan Jaringan Komputer
2	J.6202000.015.01	Melakukan Instalasi <i>Application</i> server dan Database Sistem ERP
3	J.6202000.016.01	Melakukan Instalasi dan Konfigurasi Perangkat Lunak ERP
4	J.6202000.023.01	Mengaplikasikan Patch Baru
5	J.6202000.026.01	Melakukan Upgrade Versi Perangkat Lunak ERP Termasuk Sistem Pendukungnya
6	J.6202000.027.01	Mengoptimalkan Kinerja Sistem ERP
7	J.6202000.029.01	Mengimplementasikan Keamanan Sistem ERP
8	J.6202000.030.01	Merancang Rencana Pemulihan dari Bencana (Disaster Recovery Plan)

150606 LEAD ENTERPRISE RESOURCE PLANNING (ERP) FUNCTIONAL

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT202A	Work and communicate effectively in an IT environment
2	ICAICT205A	Design basic organisational documents using computing packages
3	ICAICT209A	Interact with ICT clients
4	ICAICT211A	Identify and use basic current industry-specific technologies
5	ICAICT212A	Incorporate Indigenous needs and perspectives into IT environment
6	ICASAS204A	Record client support requirements
7	J.620900.004.02	Merancang Spesifikasi Sesuai dengan Fungsi dan Kebutuhan Pengguna
8	TIK.CS02.001.01	Merumuskan kebutuhan pengguna (user requirement)
9	TIK.FO01.009.01	Membuat laporan tertulis

150607 ENTERPRISE RESOURCE MANAGEMENT (ERP)DECISION SUPPORT ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT509A	Gather data to identify business requirements
2	ICAICT608A	Interact with clients on a business level
3	ICAICT712A	Develop a business intelligence framework
4	JANCO069	Insures the timely collection and reporting of SBU data.

150608 ENTERPRISE RESOURCE PLANNING MASTER DATA ANALYST

No	Kode Unit	Nama Unit Kompetensi
1	J.6202000.017.01	Melakukan Migrasi Data
2	J.6202000.021.01	Melakukan Update Data Master
3	J.6202000.024.01	Melakukan Troubleshooting terhadap Sistem ERP
4	J.6202000.030.01	Merancang Rencana Pemulihan dari Bencana (Disaster Recovery Plan)

150609 ENTERPRISE RESOURCE PLANNINGARCHITECT

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT401A	Determine and confirm client business requirements
2	ICASUS702A	Conduct a business case study for integrating sustainability in IT planning and design projects
3	J.6202000.010.01	Menentukan Kriteria Sistem ERP
4	J.6202000.011.01	Mengevaluasi Kriteria Sistem ERP yang Sesuai Kebutuhan
5	J.6202000.012.01	Mengidentifikasi Kebutuhan Transaksi Operasional
6	J.6202000.013.01	Menentukan Sistem ERP Berdasarkan Kebutuhan Transaksi Operasional

150501 ENTERPRISE RESOURCE PLANNING (ERP)TRAINER

No	Kode Unit	Nama Unit Kompetensi
1	JANCO023	Develop IT training programs and curriculum commensurate with needs
2	JANCO041	Directs, develops, coordinates and conducts training plansand programs; compiles and publishes training programs statistics

150502 ENTERPRISE RESOURCE PLANNING (ERP) --- DEVELOPER

No	Kode Unit	Nama Unit Kompetensi
1	BSBWOR301B	Organise personal work priorities and development
2	ICAGAM301A	Apply simple modelling techniques
3	ICAICT301A	Create user documentation

No	Kode Unit	Nama Unit Kompetensi
4	ICAICT304A	Implement system software changes
5	ICAICT306A	Migrate to new technology
6	ICAICT307A	Customise packaged software applications for clients
7	ICAICT308A	Use advanced features of computer applications
8	ICAPRG301A	Apply introductory programming techniques
9	ICASAS301A	Run standard diagnostic tests
10	ICASAS304A	Provide basic system administration
11	ICASAS305A	Provide IT advice to clients
12	ICAWEB302A	Build simple websites using commercial programs
13	J.620100.009.01	Menggunakan Spesifikasi Program
14	J.620100.019.02	Menggunakan Library atau Komponen Pre- Existing
15	TIK.CS02.030.01	Menentukan ruang lingkup kegiatan perawatan
16	TIK.CS02.031.01	Membuat jadwal kegiatan perawatan
17	TIK.DG01.005.01	Mendokumentasikan kemajuan kerja
18	TIK.OP03.003.01	Membuat halaman web menggunakan bahasa web (HTML) tingkat dasar
19	TIK.PR01.009.01	Memberikan petunjuk teknis kepada pelanggan
20	TIK.PR02.004.01	Menulis program
21	TIK.PR02.005.01	Mengembangkan user interface
22	TIK.PR02.012.01	Membuat dokumen kode program
23	TIK.PR03.002.01	Menerapkan sistem informasi manajemen
24	TIK.PR03.005.01	Membuat program untuk membangkitkan data dasar
25	TIK.PR04.004.01	Menerapkan web Hosting
26	TIK.PR04.005.01	Menerapkan konten web site memenuhi protokol standar
27	TIK.PR04.006.01	Mempersiapkan basis data untuk sebuah situs web
28	TIK.PR06.003.01	Menjelaskan sistem microprosesor
29	TIK.PR06.004.01	Menjelaskan sistem peripheral
30	TIK.PR06.005.01	Mengoperasikan bahasa pemrograman tingkat mesin
31	TIK.SM01.001.01	Melaksanakan Pekerjaan Secara Tim
32	TIK.SM01.004.01	Melakukan Komunikasi Di Tempat Kerja
33	TIK.SM01.007.01	Melakukan Survei Kebutuhan Pelanggan
34	TIK.TS01.001.01	Memberi pelayanan yang sebaik baiknya, baik kepada Pelanggan maupun kepada Unit-Unit Internal yang harus dilayani/Next process (Customer Orientation)

150503 ENTERPRISE RESOURCE PLANNING PROCESS OWNER

No	Kode Unit	Nama Unit Kompetensi
1	J.6202000.001.01	Menyusun Kebutuhan Proses Bisnis yang Berjalan
2	J.6202000.003.01	Menyusun Kriteria dan Ukuran Proses Bisnis yang Sesuai Kebutuhan
3	J.6202000.008.01	Mengevaluasi Hasil Analisis Gap
4	J.6202000.010.01	Menentukan Kriteria Sistem ERP
5	J.6202000.012.01	Mengidentifikasi Kebutuhan Transaksi Operasional
6	J.6202000.013.01	Menentukan Sistem ERP Berdasarkan Kebutuhan Transaksi Operasional
7	J.6202000.018.01	Menganalisis Alternate Flow dari Proses Bisnis
8	J.6202000.020.01	Melakukan Pengujian Sistem ERP Sesuai Kebutuhan Pengguna (User Acceptance Test/UAT)

150504 LEAD ENTERPRISE RESOURCE PLANNINGTEAM

No	Kode Unit	Nama Unit Kompetensi
1	J.6202000.001.01	Menyusun Kebutuhan Proses Bisnis yang Berjalan
2	J.6202000.002.01	Menganalisis Proses Bisnis yang Berjalan
3	J.6202000.003.01	Menyusun Kriteria dan Ukuran Proses Bisnis yang Sesuai Kebutuhan
4	J.6202000.008.01	Mengevaluasi Hasil Analisis Gap
5	J.6202000.010.01	Menentukan Kriteria Sistem ERP
6	J.6202000.012.01	Mengidentifikasi Kebutuhan Transaksi Operasional
7	J.6202000.013.01	Menentukan Sistem ERP Berdasarkan Kebutuhan Transaksi Operasional
8	J.6202000.018.01	Menganalisis Alternate Flow dari Proses Bisnis
9	J.6202000.020.01	Melakukan Pengujian Sistem ERP Sesuai Kebutuhan Pengguna (User Acceptance Test/UAT)

150505 LEAD ENTERPRISE RESOURCE PLANNINGTECHNICAL

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT412A	Coordinate and maintain IT work teams
2	J.6202000.002	Menganalisa proses bisnis yang berjalan
3	J.6202000.013.01	Menentukan Sistem ERP Berdasarkan Kebutuhan Transaksi Operasional
4	J.6202000.017.01	Melakukan Migrasi Data
5	J.6202000.020.01	Melakukan Pengujian Sistem ERP Sesuai Kebutuhan Pengguna (User Acceptance Test/UAT)
6	J.6202000.024.01	Melakukan Troubleshooting terhadap Sistem ERP

150506 APPLICATION MANAGEMENTSUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT416A	Contribute to the development of strategic plans
2	ICANWK403A	Manage network and data integrity
3	ICANWK406A	Install, configure and test network security
4	ICAWEB419A	Develop guidelines for uploading information to a website
5	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasi perkantoran

150401 APPLICATIONMANAGEMENTCOORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT404A	Use online learning tools
2	ICAICT405A	Develop detailed technical design
3	ICAICT411A	Select and employ software and hardware testing tools
4	ICASAS418A	Monitor and administer security of an IT system

150301 APPLICATIONMANAGEMENTSTAFF

No	Kode Unit	Nama Unit Kompetensi
1	TIK.OP02.002.01	Mengoperasikan Printer
2	TIK.OP02.003.01	Mengoperasikan sistem operasi
3	TIK.OP02.006.01	Mengoperasikan Penelusur Web (Web Browser)
4	TIK.OP02.007.01	Mengoperasikan piranti lunak klien e-mail (e-mail client)
5	TIK.OP02.011.01	Mengoperasikan piranti lunak presentasi
6	TIK.OP02.012.01	Mengoperasikan piranti lunak pengolah kata – tingkat maju
7	TIK.OP02.013.01	Mengoperasikan piranti lunak lembar sebar – tingkat maju
8	TIK.OP02.014.01	Mempergunakan Piranti Lunak Anti virus
9	TIK.OP02.016.01	Melakukan konversi data dari berbagai aplikasi perkantoran

150201 APPLICATION MANAGEMENT CLERK

No	Kode Unit	Nama Unit Kompetensi
1	JANCO093	Operate computer equipment.
2	TIK.FO02.012.01	Mengoperasikan PC yang terhubung Pada Jaringan Komputer Lokal
3	TIK.OP02.003.01	Mengoperasikan sistem operasi
4	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (spreadsheet) – tingkat dasar
5	TIK.OP02.007.01	Mengoperasikan piranti lunak klien e-mail (e-mail client)
6	TIK.OP02.015.01	Mempergunakan perangkat keras dan piranti lunak untuk memindai dokumen gambar

150101 SYSTEM INTEGRATION CLERK

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT101A	Operate a personal computer
2	ICAICT201A	Use computer operating systems and hardware
3	TIK.OP01.001.01	Mengetik pada papan ketik (keyboard) standar
4	TIK.OP02.001.01	Mengoperasikan komputer personal yang berdiri sendiri (PC standalone)
5	TIK.OP02.003.01	Mengoperasikan sistem operasi
6	TIK.OP02.004.01	Mengoperasikan piranti lunak pengolah kata (word processor) – tingkat dasar
7	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (spreadsheet) – tingkat dasar
8	TIK.OP02.006.01	Mengoperasikan Penelusur Web (Web Browser)
9	TIK.OP02.007.01	Mengoperasikan piranti lunak klien e-mail (e-mail client)

16 IT CONSULTANCY AND ADVISORY

160901 PRINCIPAL IT ADVISOR

No	Kode Unit	Nama Unit Kompetensi
1	ICTICT802	Direct ICT services
2	ICTICT810	Synchronise ICT projects
3	ICTICT811	Manage an information architecture project
4	ICTICT812	Develop a business intelligence framework
5	ICTICT813	Manage ICT services
6	ICTICT815	Manage automated ICT system applications using enterprise wide operating system
7	ICTSUS805	Manage improvements in ICT sustainability
8	ICTSUS806	Lead applied research in ICT sustainability

160801 SENIOR IT ADVISOR

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT702A	Direct ICT services
2	ICAICT704A	Direct ICT in a supply chain
3	ICAICT705A	Direct ICT procurement
4	ICAICT706A	Direct outsourced ICT services

160802 SENIOR IT CONSULTANT

No	Kode Unit	Nama Unit Kompetensi
1	ICAICT703A	Endorse business plan components for a new initiative
2	ICAICT707A	Direct research and business response to new ICT technology
3	ICAICT708A	Direct the development of a knowledge management strategy for a business
4	ICAICT709A	Facilitate business analysis

160701 DIGITAL ENTREPRENEUR MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICTDBS602	Develop a knowledge management strategy
2	M.741000.005.0	Menentukan jenis produk yang akan diusahakan
3	M.741000.006.0	Menghitung biaya investasi
4	M.741000.007.0	Menentukan jumlah dan keahlian tenaga kerja yang dibutuhkan
5	M.741000.008.0	Melakukan pengurusan perijinan usaha industri
6	M.741000.011.0	Menyusun struktur organisasi
7	M.741000.015.0	Melakukan pengawasan kinerja tenaga kerja
8	M.741000.016.0	Menyusun rencana produksi
9	M.741000.026.0	Menjalin hubungan dengan pelanggan
10	TIK.OP02.001.01	Mengoperasikan komputer personal yang berdiri sendiri (PC stand alone)
11	TIK.OP02.002.01	Mengoperasikan Printer
12	TIK.OP02.004.01	Mengoperasikan piranti lunak pengolah kata (word processor) – tingkat dasar
13	TIK.OP02.005.01	Mengoperasikan piranti lunak lembar sebar (spreadsheet) – tingkat dasar
14	TIK.OP02.011.01	Mengoperasikan piranti lunak presentasi

160702 IT CONSULTANT

No	Kode Unit	Nama Unit Kompetensi
1	ICTICT601	Develop ICT strategic and action plans
2	ICTICT602	Develop contracts and manage contracted performance
3	ICTICT603	Manage the use of appropriate development methodologies
4	ICTICT604	Identify and implement business innovation
5	ICTICT610	Manage copyright, ethics and privacy in an ICT environment

160601 DIGITAL ENTREPRENEUR DEPUTY MANAGER

No	Kode Unit	Nama Unit Kompetensi
1	ICTICT510	Determine appropriate ICT strategies and solutions
2	ICTICT511	Match ICT needs with the strategic direction of the enterprise
3	ICTPMG501	Manage ICT projects
4	ICTPMG502	Develop customer premises equipment installation project plans

160602 JUNIOR IT CONSULTANT

No	Kode Unit	Nama Unit Kompetensi
1	ICTPMG503	Prepare a project brief
2	ICTPMG504	Prepare project specifications
3	ICTPRG511	Monitor and support data conversion to new ICT system
4	ICTPRG512	Prepare for the build phase of an ICT system
5	ICTPRG513	Coordinate the build phase of an ICT system
6	ICTPRG516	Develop integration blueprint for ICT systems
7	TIK.OP02.017.01	Melakukan penanganan awal (Troubleshooting) atas masalah pada PC

160501 DIGITAL ENTREPRENEUR SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	BSBDES403	Develop and extend design skills and practice
2	BSBSMB405	Monitor and manage small business operations
3	BSBSMB407	Manage a small team
4	ICTICT412	Coordinate and maintain ICT work teams
5	ICTICT413	Relate to clients on a business level
6	ICTSAS409	Manage risks involving ICT systems and technology
7	ICTSAS410	Identify and resolve client ICT problems

160502 IT CONSULTANCY SUPERVISOR

No	Kode Unit	Nama Unit Kompetensi
1	ICTPMG401	Support small scale ICT projects
2	ICTPRG415	Apply skills in object-oriented design
3	ICTPRG416	Manage a software component re-use library
4	ICTPRG419	Analyse software requirements
5	ICTPRG426	Prepare software development review
6	ICTTEN426	Design network projects
7	ICTWEB416	Customise content management system
8	J.612000.033	Merancang tentang <i>Mobile network Management</i>

160401 IT CONSULTANCY COORDINATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICTICT301	Create user documentation
2	ICTSAS305	Provide ICT advice to clients
3	ICTSAS306	Maintain equipment and software

160301 IT CONSULTANCY STAFF

No	Kode Unit	Nama Unit Kompetensi
1	ICTICT202	Work and communicate effectively in an ICT environment
2	ICTICT204	Operate a digital media technology package
3	ICTICT205	Design basic organisational documents using computing packages
4	ICTICT209	Interact with ICT clients

160201 IT ADMINISTRATOR

No	Kode Unit	Nama Unit Kompetensi
1	ICTICT101	Operate a personal computer
2	ICTICT102	Operate word-processing applications
3	ICTICT103	Use, communicate and search securely on the internet
4	ICTICT104	Use digital devices
5	ICTICT105	Operate spreadsheet applications
6	ICTICT106	Operate presentation packages
7	ICTICT107	Use personal productivity tools
8	ICTICT108	Use digital literacy skills to access the internet

160101 IT CONSULTANCY CLERK

No	Kode Unit	Nama Unit Kompetensi
1	ICTICT101	Operate a personal computer
2	ICTICT104	Use digital devices
3	ICTSS00083	Underground Installations Skill Set

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Peraturan Menteri Ketenagakerjaan Nomor 2 tahun 2016, tentang Sistem Standardisasi Kompetensi Kerja Nasional.

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