



**Jabatan Pembangunan Kemahiran  
Kementerian Sumber Manusia Malaysia**  
(Department of Skills Development  
Ministry of Human Resource, Malaysia)

## **Daftar Standard Kemahiran Pekerjaan Kebangsaan (SKPK) National Occupational Skills Standard (NOSS) Registry 17 Julai 2012**

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*Electrical & Electronic, Telecommunication & Broadcasting Industry >  
Information & Communication Technology > Machinery & Equipment > Mechanical &  
Electrical Service and Maintenance > Transportation > Materials > Packaging > Printing  
> Chemical > Medical & Pharmaceuticals > Hospitality & Tourism > Souvenir & Small  
Enterprise > Building & Construction > Landscaping & Environmental > Interior Décor  
> Business Management > Textile & Apparel > Agriculture & Agrobased > Resource  
Based > Biotechnology > Educational & Training Services > Oil & Gas > Halal  
Industries > Integrated Logistic Services > Distributive Trade > Industry Defense &  
Security Services > Care & Community Services > Art & Culture > Mining Industry*

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[www.dsd.gov.my](http://www.dsd.gov.my)



Certificate No.KLR 0500058

### 1. National Occupational Skill Standard (NOSS)

NOSS is defined as a specification of competencies expected of a skill worker who is gainfully employed in Malaysia for an occupational area, level and pathway to achieve the competencies.

### 2. Level of Competency

Level	Definition
<b>Diploma Lanjutan Kemahiran Malaysia (DLKM) Tahap 5</b> <i>(Malaysian Skills Advance Diploma) Level 5 - Management Level</i>	Competent in applying a significant range of fundamental principles and complex techniques across a wide and often unpredictable variety of contexts. Very substantial personal autonomy and often significant responsibility for the work of others and for the allocation of substantial resources feature strongly, as do personal accountabilities for analysis and diagnosis, design, planning, execution and evaluation. Specialise of technical skills should be demonstrated.
<b>Diploma Kemahiran Malaysia (DKM) Tahap 4</b> <i>(Malaysian Skills Diploma) Level 4 - Supervisory Level</i>	Competent in performing a broad range of complex technical or professional work activities performed in a wide variety of contexts and with a substantial degree of personal responsibility and autonomy. Responsibility for the work of others and allocation of resources is often present. Higher level of technical skills should be demonstrated.
<b>Sijil Kemahiran Malaysia (SKM) Tahap 3</b> <i>(Malaysian Skills Certificate) Level 3 - Supervisory Level</i>	Competent in performing a broad range of varied work activities, performed in a variety of context, most of which are complex and non-routine. There is considerable responsibility and autonomy and control or guidance of others is often required.
<b>Sijil Kemahiran Malaysia (SKM) Tahap 2</b> <i>(Malaysian Skills Certificate) Level 2 - Operation and Production Level</i>	Competent in performing a significant range of varied work activities, performed in a variety of context. Some of the activities are non-routine and required individual responsibility and autonomy.
<b>Sijil Kemahiran Malaysia (SKM) Tahap 1</b> <i>(Malaysian Skills Certificate) Level 1 - Operation and Production Level</i>	Competent in performing a range of varied work activities, most of which are routine and predictable.

### 3. Petunjuk/Legend :

**A - 010 - 1 = A - 010-** Kod Pekerjaan (*Occupational Code*), 1 Tahap 1  
**A - 010 - 1: 2011** – NOSS Format Baru yang diluluskan pada tahun 2011

(28-04-94) = Tahun NOSS diterbitkan (*Year the NOSS issued*)

@ = Perlu dilengkapi dengan NOSS Penyeliaan (*Should be come with NOSS Supervisory*)

**Untuk pertanyaan sila hubungi / For inquiries please contact :**

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## **SEKTOR 1**

### **EE : ELEKTRIKAL & ELEKTRONIK, TELEKOMUNIKASI & INDUSTRI PENYIARAN / *ELECTRICAL & ELECTRONIC, TELECOMMUNICATION & BROADCASTING INDUSTRY***

<b>Bil./ No.</b>	<b>Sub-Sektor/ Sub-Sector</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
1.1	<i>Elektrik/Electric</i>	C, EE	2	3	3	1	1	12
1.2	<i>Elektronik/Electronics</i>	E, EE	1	12	13	7	8	39
1.3	<i>Telekomunikasi/Telecommunication</i>	D,EE	2	9	12	4	4	31
1.4	<i>Penyiaran/Broadcasting</i>	EE	0	3	3	1	1	8
1.5	<i>Penjanaan Kuasa/Power Generation</i>	EE	0	1	1	1	1	4
1.6	<i>Kawalan Proses/Process Control</i>	CM,S	0	2	2	2	2	8
	<b>Jumlah / Total</b>		5	30	34	16	17	<b>102</b>

### 1.1) SUB SEKTOR: ELEKTRIK (*ELECTRIC*)

	Pencantum Kabel ( <i>Cable Joiner</i> )	Elektrikal ( <i>Electrical</i> )
L5	Belum ada ( <i>Not Available</i> )	<b>EE-320-5:2012</b> Pemasangan & Penyelenggaraan Elektrik Voltan Tinggi <i>High Voltage Electrical Installation &amp; Maintenance</i> (19-12-2002) (05-04-2012)
L4		<b>EE-320-4:2012</b> Pemasangan & Penyelenggaraan Elektrik Voltan Rendah <i>Low Voltage Electrical Installation &amp; Maintenance</i> (19-12-2002) (05-04-2012)
L3	<b>EE-300-3</b> Pencantum Kabel Voltan Tinggi <i>High Voltage Cable Joiner</i> (25-10-10)	<b>EE-320-3:2012</b> Pemasangan & Penyelenggaraan Elektrik-Tiga Fasa <i>Three Phase Electrical Installation &amp; Maintenance</i> (28-11-95) (19-12-2002) (05-04-2012)
L2	<b>EE-300-2</b> Pencantum Kabel Voltan Rendah <i>Low Voltage Cable Joiner</i> (25-10-10)	<b>EE-320-2:2012</b> Pemasangan & Penyelenggaraan Elektrik-Satu Fasa <i>Single Phase Electrical Installation &amp; Maintenance</i> (28-11-95) (19-12-2002) (05-04-2012)
L1	<b>C-030-1</b> Penjaga Jentera Elektrik Voltan Rendah <i>Chargeman-Low Voltage</i> (28-11-95)	Tiada Tahap ( <i>No Level</i> )

	Alat Kebersihan Elektrik ( <i>Electrical Precision Instrument</i> )
L5	Belum ada ( <i>Not Available</i> )
L4	
L3	<b>EE-130-3</b> Juruteknik Kanan Alatan Kebersihan Elektrikal <i>Electrical Precision Instrument Senior Technician</i> (17-12-98) (18-11-08)
L2	<b>EE-130-2</b> Juruteknik Alatan Kebersihan Elektrikal <i>Electrical Precision Instrument Technician</i> (17-12-98) (18-11-08)
L1	<b>EE-130-1</b> Pembantu Juruteknik Alatan Kebersihan Elektrikal <i>Electrical Precision Instrument Assistant Technician</i> (17-12-98) (18-11-08)

## 1.2) SUB SEKTOR: ELEKTRONIK (*ELECTRONICS*)

	<b>Elektronik Industri</b> <b>( Industrial Electronic)</b>	<b>Elektronik Audio Visual</b> <b>(Electronic Audio Visual)</b>
<b>L5</b>	<b>EE-021-5:2012</b> Rekabentuk & Pengurusan Produk Elektronik <i>Electronic Product Design &amp; Management</i> (19-07-2001) (05-04-2012)	<b>EE-010-5</b> Eksekutif Kanan Teknologi Audio Visual Elektronik <i>Electronic Audio Visual Technology Senior Executive</i> (08-01-2008)
<b>L4</b>	<b>EE-021-4:2012</b> Pembangunan Produk Elektronik <i>Electronic Product Development</i> (19-07-2001) (05-04-2012)	<b>EE-010-4</b> Eksekutif Teknologi Audio Visual Elektronik <i>Electronic Audio Visual Technology Executive</i> (08-01-2008)
<b>L3</b>	<b>EE-021-3:2012</b> Troubleshooting, Pembaikpulihan & Penyelenggaraan Peralatan Elektronik <i>Electronic Equipment Troubleshooting, Repair &amp; Maintenance</i> (26-10-93) (19-07-2001) (08-01-2008) (05-04-2012)	
<b>L2</b>	<b>EE-021-2:2012</b> Pemasangan & Troubleshooting Peralatan Elektronik <i>Electronic Equipment and Appliance Installation &amp; Troubleshooting</i> (26-10-93) (19-07-2001) (08-01-2008) (05-04-2012)	
<b>L1</b>	<b>Tiada Tahap</b> <b>(No Level)</b>	

	<b>Pengeluaran Semikonduktor (<i>Semiconductor Production</i>)</b>		
	<b>Fabrikasi Wafer Bahagian Hadapan (<i>Front End Wafer Fabrication</i>)</b>		<b>Proses Bahagian Belakang (<i>Back End Process</i>)</b>
	<b>Proses (<i>Process</i>)</b>	<b>Pembuatan (<i>Manufacturing</i>)</b>	
<b>L5</b>	<b>EE-022-5:2012</b> Operasi Proses Fabrikasi Wafer Bahagian Hadapan <i>Front End Wafer Fabrication Process Operation</i> (17-07-2012)	<b>EE-023-5:2012</b> Operasi Pembuatan Fabrikasi Wafer Bahagian Hadapan <i>Front End Wafer Fabrication Manufacturing Operation</i> (17-07-2012)	<b>EE-020-5</b> Eksekutif Semikonduktor <i>Semiconductor Executive</i> (10-12-10)
<b>L4</b>	<b>EE-022-4:2012</b> Operasi Fabrikasi Wafer Bahagian Hadapan <i>Front End Wafer Fabrication Operation</i> (17-07-2012)		<b>EE-020-4</b> Eksekutif Muda Semikonduktor <i>Semiconductor Junior Executive</i> (10-12-10)
<b>L3</b>	<b>Tiada Tahap</b> <i>(No Level)</i>		<b>EE-020-3</b> Juruteknik Semikonduktor <i>Semiconductor Technician</i> (08-01-2008)
<b>L2</b>	<b>Tiada Tahap</b> <i>(No Level)</i>		<b>EE-020-2</b> Pembantu Juruteknik Semikonduktor <i>Assistant Semiconductor Technician</i> (08-01-2008)
<b>L1</b>	<b>Tiada Tahap</b> <i>(No Level)</i>		<b>EE-020-1</b> Operator Pengeluaran Semikonduktor <i>Semiconductor Production Operator</i> (08-01-2008)

	<i>Buffer Storage ( Buffer Storage)</i>	<i>Embedded System (Rekabentuk) (Embedded System (Design))</i>	<i>Paparan Elektronik Optikal (Rekabentuk) (Optical Electronic Display (Design))</i>	<i>Electromagnetic Interference/ Electromagnetic Compatibility (EMI/EMC) (Rekabentuk) (Electromagnetic Interference/ Electromagnetic Compatibility (EMI/EMC) (Design))</i>	<i>Pengurusan Kuasa Elektronik Pengguna (Rekabentuk) (Consumer Electronics Power Management (Design))</i>
<b>L5</b>	<b>EE-120-5</b> Spesialis Rekabentuk Elektronik Pengguna <i>Consumer Electronic Design Specialist</i> (18-11-08)				
<b>L4</b>	<b>EE-120-4</b> Penolong Spesialis Rekabentuk Elektronik Pengguna <i>Consumer Electronic Design Assistant Specialist</i> (18-11-08)				
<b>L3</b>	<b>EE-050-3</b> Juruteknik Kanan Buffer Storage <i>Buffer Storage Senior Technician</i> (18-11-08)	<b>EE-060-3</b> Juruteknik Kanan Embedded System (Rekabentuk) <i>Embedded System Senior Technician (Design)</i> (18-11-08)	<b>EE-070-3</b> Juruteknik Kanan Paparan Elektronik Optikal (Rekabentuk) <i>Optical Electronic Display Senior Technician (Design)</i> (18-11-08)	<b>EE-080-3</b> Juruteknik Kanan Interference/Electro magnetic Compatability (EMI/EMC) (Rekabentuk) <i>Electromagnetic Interference / Electromagnetic Compatibility (EMI/EMC) Senior Technician (Design)</i> (18-11-08)	<b>EE-100-3</b> Juruteknik Kanan Pengurusan Kuasa Elektronik Pengguna (Rekabentuk) <i>Consumer Electronic Power Management Senior Technician (Design)</i> (25-10-10)
<b>L2</b>	<b>EE-050-2</b> Juruteknik Buffer Storage <i>Buffer Storage Technician</i> (18-11-08)	<b>EE-060-2</b> Juruteknik Embedded System (Rekabentuk) <i>Embedded System Technician (Design)</i> (18-11-08)	<b>EE-070-2</b> Juruteknik Paparan Elektronik Optikal (Rekabentuk) <i>Optical Electronic Display Technician (Design)</i> (18-11-08)	<b>EE-080-2</b> Juruteknik Interference/Electro magnetic Compatability (EMI/EMC) (Rekabentuk) <i>Electromagnetic Interference / Electromagnetic Compatibility (EMI/EMC) Technician (Design)</i> (18-11-08)	<b>EE-100-2</b> Juruteknik Pengurusan Kuasa Elektronik Pengguna (Rekabentuk) <i>Consumer Electronic Power Management Technician (Design)</i> (25-10-10)
<b>L1</b>	Tiada Tahap (No Level)				

	<b>Rekabentuk Elektronik Pengguna</b> <i>(Consumer Electronics Design)</i>	
	<b>Rekabentuk Pemprosesan Isyarat Digital</b> <i>(Digital Signal Processing Design)</i>	<b>Rekabentuk Rangkaian</b> <i>(Network Design)</i>
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>	
<b>L4</b>		
<b>L3</b>	<b>EE-104-3</b> Juruteknik Kanan Pemprosesan Isyarat Digital (Rekabentuk) <i>Digital Signal Processing Senior Technician (Design)</i> (01-10-09)	<b>EE-105-3</b> Juruteknik Kanan Rangkaian (Rekabentuk) <i>Network Senior Technician (Design)</i> (01-10-09)
<b>L2</b>	<b>EE-104-2</b> Juruteknik Pemprosesan Isyarat Digital (Rekabentuk) <i>Digital Signal Processing Technician</i> (01-10-09)	<b>EE-105-2</b> Juruteknik Rangkaian (Rekabentuk) <i>Network Technician (Design)</i> (18-11-08)
<b>L1</b>	<b>Tiada Tahap</b> <i>(No Level)</i>	

	<b>Rekabentuk Litar Bersepadu</b> <i>(Integrated System Design)</i>	<b>Rekabentuk Sistem Elektronik</b> <i>(Electronics System Design)</i>
<b>L5</b>	<b>EE-113-5</b> Spesialis Kanan Rekabentuk Litar Bersepadu <i>Integrated Circuit Design Senior Specialist</i> (23-06-2009)	<b>EE-112-5</b> Spesialis Kanan Rekabentuk Sistem Elektronik <i>Electronics System Design Senior Specialist</i> (23-06-2009)
<b>L4</b>	<b>EE-113-4</b> Spesialis Rekabentuk Litar Bersepadu <i>Integrated Circuit Design Specialist</i> (23-06-2009)	<b>EE-112-4</b> Spesialis Rekabentuk Sistem Elektronik <i>Electronics System Design Specialist</i> (23-06-2009)
<b>L3</b>	<b>EE-102-3</b> Juruteknik Kanan Teknologi Sensor <i>Sensor Technology Senior Technician</i> (23-06-2009)	<b>EE-103-3</b> Juruteknik Kanan Program Logik <i>Program Logic Senior Technician</i> (23-06-2009)
<b>L2</b>	<b>EE-101-2</b> Juruteknik Rekabentuk Elektronik Pengguna <i>Consumer Electronics Design Technician</i> (23-06-2009)	
<b>L1</b>	<b>Tiada Tahap</b> <i>(No Level)</i>	

	<b>Antara Muka (Rekabentuk)</b> <i>(Interface (Design))</i>	<b>Keselamatan (Rekabentuk)</b> <i>(Security (Design))</i>
<b>L5</b>	<b>EE-120-5</b> Pakar Rekabentuk Elektronik Pengguna <i>Consumer Electronic Design Specialist</i> (18-11-08)	
<b>L4</b>	<b>EE-120-4</b> Penolong Pakar Rekabentuk Elektronik Pengguna <i>Consumer Electronic Design Assistant Specialist</i> (18-11-08)	
<b>L3</b>	<b>EE-090-3</b> Juruteknik Kanan Antara Muka <i>Interface Senior Technician</i> (18-11-08)	<b>EE-110-3</b> Juruteknik Kanan Keselamatan (Rekabentuk) <i>Security Senior Technician (Design)</i> (18-11-08)
<b>L2</b>	<b>EE-090-2</b> Juruteknik Antara Muka <i>Interface Technician</i> (18-11-08)	<b>EE-110-2</b> Juruteknik Keselamatan (Rekabentuk) <i>Security Technician (Design)</i> (18-11-08)
<b>L1</b>	Tiada Tahap <i>(No Level)</i>	

### 1.3) SUB SEKTOR: TELEKOMUNIKASI (TELECOMMUNICATION)

	<b>Rangkaian Perhubungan Pelanggan (Wired Transmission Infrastructure)</b>	<b>Fiber Optik Servis - Telekomunikasi (Fiber Optic Services - Telecommunication)</b>
<b>L5</b>	<b>EE-321-5:2012</b> Pengurusan Infrastruktur Penghantaran <i>Wired Transmission Infrastructure Management</i> (08-07-99) (05-04-2012)	<b>D-400-5</b> Jurutera Fiber Optik <i>Fiber Optic Engineer</i> (24-06-04)
<b>L4</b>	<b>EE-321-4:2012</b> Pengurusan Infrastruktur Penghantaran <i>Wired Transmission Infrastructure Management</i> (08-07-99) (05-04-2012)	<b>D-400-4</b> Eksekutif Teknik Fiber Optik <i>Fiber Optic Executive Technical</i> (24-06-04)
<b>L3</b>	<b>EE-321-3:2012</b> Pemasangan & Penyelenggaraan Infrastruktur Penghantaran <i>Transmission Infrastructure Installation and Maintenance</i> (24-09-98) (05-04-2012)	<b>D-400-3</b> Juruteknik Fiber Optik - Telekomunikasi <i>Fiber Optic Technician - Telecommunication</i> (24-06-04)
<b>L2</b>	<b>Tiada Tahap (No Level)</b>	<b>D-400-2</b> Penolong Juruteknik Fiber Optik - Telekomunikasi <i>Fiber Optic Assistant Technician - Telecommunication</i> (24-06-04)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>	

	<b>Radar (Radar)</b>	<b>Frekuensi Radio Radio Frequency (RF)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>	
<b>L4</b>		
<b>L3</b>	<b>EE-200-3</b> Juruteknik Senggaraan Radar <i>Radar Maintenance Technician</i> (04-04-97) (25-10-10)	<b>EE-040-3</b> Juruteknik Kanan Frekuensi Radio Tanpa Wayar <i>Radio Frequency (RF) Wireless Senior Technician</i> (18-11-08)
<b>L2</b>	<b>EE-200-2</b> Pembantu Juruteknik Senggaraan Radar <i>Radar Maintenance Assistant Technician</i> (04-04-97) (25-10-10)	<b>EE-040-2</b> Juruteknik Frekuensi Radio Tanpa Wayar <i>Radio Frequency (RF) Wireless Technician</i> (18-11-08)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>	

	<b>Teknologi Telekomunikasi (Rangkaian Akses Radio)</b> <i>Telecommunication Technology (Radio Access Network)</i>	<b>Teknologi Rangkaian Frekuensi Radio (Radio Frequency Network)</b>	<b>Teknologi Rangkaian Penghantaran (Transmission Network)</b>
<b>L5</b>	<b>EE-033-5</b> Eksekutif Teknikal Rangkaian Akses Radio <i>Radio Access Network Technical Executive</i> (01-10-09)	<b>Belum ada (Not Available)</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	<b>EE-033-4</b> Pembantu Eksekutif Teknikal Rangkaian Akses Radio <i>Radio Access Network Assistant Technical Executive</i> (01-10-09)		
<b>L3</b>	<b>EE-033-3</b> Juruteknik Kanan Rangkaian Akses Radio <i>Radio Access Network Senior Technician</i> (01-10-09)	<b>EE-036-3</b> Juruteknik Kanan Rangkaian Frekuensi Radio <i>Radio Frequency Network Senior Technician</i> (18-11-11)	<b>EE-035-3</b> Juruteknik Kanan Rangkaian Penghantaran Optik <i>Optical Transmission Network Senior Technician</i> (18-11-11)
<b>L2</b>	<b>EE-033-2</b> Juruteknik Rangkaian Akses Radio <i>Radio Access Network Technician</i> (01-10-09)	<b>EE-036-2</b> Juruteknik Rangkaian Frekuensi Radio <i>Radio Frequency Network Technician</i> (18-11-11)	<b>EE-035-2</b> Juruteknik Rangkaian Penghantaran Optik <i>Optical Transmission Network Technician</i> (18-11-11)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>	<b>EE-034-1</b> Juruteknik Rendah Telekomunikasi Mobil <i>Mobile Telecommunication Junior Technician</i> (18-11-11)	

	<b>Perhubungan Elektronik (Electronic Communication)</b>	<b>Operasi Pengsuisan (Switching Operation)</b>	<b>Sistem Kabel Berstruktur Structured Cabling System (Passive)</b>	<b>Telekomunikasi Tanpa Wayar (Wireless Telecommunication)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>	<b>D-217-5</b> Jurutera Telekomunikasi – Operasi Pengsuisan <i>Telecommunication Engineer – Switching Operation</i> (07-10-99)	<b>Belum Ada (Not Available)</b>	
<b>L4</b>	<b>Belum ada (Not Available)</b>	<b>D-217-4</b> Penolong Jurutera Telekomunikasi – Operasi Pengsuisan <i>Telecommunication Assistant Engineer – Switching Operation</i> (07-10-99)		
<b>L3</b>	<b>D-030-3</b> Personel Perhubungan (Elektronik) <i>Communication (Electronic) Personnel</i> (04-04-97)	<b>D-217-3</b> Juruteknik Telekomunikasi – Operasi Pengsuisan <i>Telecommunication Technician – Switching Operation</i> (07-10-99) (11-04-2002)	<b>D-500-3</b> Juruteknik Sistem Perkabelan Berstruktur <i>Structured Cabling System Technician</i> (25-04-05)	<b>D-200-3</b> Juruteknik Telekomunikasi Tanpa Wayar <i>Wireless Telecommunication Technician</i> (10-08-2006)
<b>L2</b>	<b>D-030-2</b> Operator Perhubungan (Elektronik) <i>Communication (Electronic) Operator</i> (04-04-97)	<b>Tiada Tahap (No Level)</b>	<b>D-500-2</b> Pemasang Sistem Perkabelan Berstruktur <i>Structured Cabling System Installer</i> (25-04-05)	<b>Tiada Tahap (No Level)</b>
<b>L1</b>	<b>D-030-1</b> Operator Perhubungan (Elektronik) <i>Communication (Electronic) Operator</i> (04-04-97)	<b>Tiada Tahap (No Level)</b>		

	<b>Pengsuisan 3G (3G Switching)</b>
<b>L5</b>	<b>Belum Ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>EE-032-3</b> Juruteknik Kanan (Pengsuisan 3G) <i>Senior Technician (3G Switching)</i> (01-10-09)
<b>L2</b>	<b>EE-032-2</b> Juruteknik (Pengsuisan 3G) <i>Technician (3G Switching)</i> (01-10-09)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>

**1.4) SUB SEKTOR: PENYIARAN (BROADCASTING)**

	Penyiaran- Bunyi (Broadcasting –Sound)		Penyiaran - Pencahayaan (Broadcasting – Lighting)
L5	Belum ada (Not Available)		EE-220-5 Gafer Gaffer
L4			EE-220-4 Juruteknik Kanan Penata Cahaya Senior Lighting Technician (23-06-2009)
L3	EE-120-3 Penyelia Bunyi Sound Supervisor (23-06-2009)	EE-121-3 Editor Bunyi-Pasca Produksi Sound Editor-Post Production (23-06-2009)	EE-220-3 Juruteknik Penata Cahaya Lighting Technician (23-06-2009)
L2	EE-120-2 Juruteknik Bunyi-Produksi Sound Technician -Production (23-06-2009)	EE-121-2 Dubbing Mixer-Pasca Produksi Dubbing Mixer – Post Production (23-06-2009)	EE-220-2 Pembantu Penata Cahaya Lighting Assistant (23-06-2009)
L1	Tiada Tahap (No Level)		Tiada Tahap (No Level)

1.5 ) SUB SEKTOR: PENJANAAN KUASA (*POWER GENERATION*)

	<b>Tenaga Solar-Photovoltaic (Solar Energy- Photovoltaic)</b>
<b>L5</b>	<b>EE-210-5</b> Perekabentuk Teknologi Solar <i>Solar Technology Designer</i> (10-12-10)
<b>L4</b>	<b>EE-210-4</b> Penolong Perekabentuk Teknologi Solar <i>Solar Technology Assistant Designer</i> (10-12-10)
<b>L3</b>	<b>EE-210-3</b> Pengamal Pemasangan dan Penyelenggaraan Solar <i>Solar Installation and Maintenance Practitioner</i> (10-12-10)
<b>L2</b>	<b>EE-210-2</b> Pembantu Pengamal Pemasangan dan Penyelenggaraan Solar <i>Solar Installation and Maintenance Assistant Practitioner</i> (10-12-10)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>

1.6) SUB SEKTOR : KAWALAN PROSES (*PROCESS CONTROL*)

	<b>Instrumentasi Perindustrian &amp; Kawalan (Industrial Instrumentation &amp; Control)</b>	<b>Operasi Kawalan Proses (Advance Process Control)</b>
<b>L5</b>	<b>CM-010-5</b> Ahli Teknologi Kanan Instrumentasi Perindustrian & Kawalan <i>Industrial Instrumentation &amp; Control Senior Technologist</i> (23-06-2009)	<b>CM-030-5</b> Ahli Teknologi Kawalan Proses <i>Process Control Technologist</i> (25-10-10)
<b>L4</b>	<b>CM-010-4</b> Ahli Teknologi Instrumentasi Perindustrian & Kawalan <i>Industrial Instrumentation &amp; Control Technologist</i> (23-06-2009)	<b>CM-030-4</b> Pembantu Ahli Teknologi Kawalan Proses <i>Assistant Process Control Technologist</i> (25-10-10)
<b>L3</b>	<b>CM-010-3</b> Juruteknik Kanan Instrumentasi Perindustrian & Kawalan <i>Industrial Instrumentation &amp; Control Senior Technician</i> (07-10-99) (23-06-2009)	<b>S-030-3</b> Penyelia Operasi Kawalan Proses <i>Process Control Operation Supervisor</i> (17-12-2005)
<b>L2</b>	<b>CM-010-2</b> Juruteknik Instrumentasi Perindustrian & Kawalan <i>Industrial Instrumentation &amp; Control Technician</i> (07-10-99) (23-06-2009)	<b>S-030-2</b> Juruteknik Operasi Kawalan Proses <i>Process Control Operation Technician</i> (17-12-2005)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>	

## **SEKTOR 2:**

### **IT : TEKNOLOGI MAKLUMAT & KOMUNIKASI / INFORMATION & COMMUNICATION TECHNOLOGY (ICT)**

<b>Bil./ No</b>	<b>Sub-Sektor / Sub-Sector</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
2.1	Multimedia/ <i>Multimedia</i>	D,IT	0	5	4	4	4	17
2.2	Pusat Data/ <i>Data Center</i>	D,IT	0	2	3	2	2	9
2.3	Penyelenggaraan/Pusat Khidmat/ <i>Maintenance/ Support Center</i> )	IT	0	2	2	2	3	9
2.4	Pembangunan Aplikasi/ <i>Application Development</i>	D,IT	0	1	1	4	1	7
<b>Jumlah / Total</b>			0	10	10	12	10	<b>42</b>

## 2.1) SUB SEKTOR: MULTIMEDIA (*MULTIMEDIA*)

	<b>Penerbitan Multimedia (Multimedia Production)</b>		<b>Digital Kreatif (Digital Creative)</b>
<b>L5</b>	<b>IT-070-5:2011</b> Pembangunan Kandungan Kreatif <i>Creative Content Development</i> (30-09-2000) (20-12-2011)		<b>IT-051-5:2012</b> Produksi Audio <i>Audio Production</i> (30-09-2000) (05-04-2012)
<b>L4</b>	<b>IT-070-4:2011</b> Pembangunan Kandungan Kreatif <i>Creative Content Development</i> (30-09-2000) (20-12-2011)		<b>IT-051-4:2012</b> Produksi Audio <i>Audio Production</i> (30-09-2000) (05-04-2012)
<b>L3</b>	<b>IT-060-3</b> Perekabentuk Multimedia – Animasi & Visual <i>Multimedia Designer – Animation &amp; Visual</i> (30-09-2000) (18-11-08)		<b>IT-051-3:2011</b> Produksi Audio <i>Audio Production</i> (30-09-2000) (20-12-2011)
<b>L2</b>	<b>IT-040-2</b> Artis Multimedia – Animator <i>Multimedia Artist - Animator</i> (30-09-2000) (18-11-08)	<b>IT-050-2</b> Artis Multimedia – Visual <i>Multimedia Artist - Visual</i> (30-09-2000) (18-11-08)	<b>IT-051-2:2011</b> Produksi Audio <i>Audio Production</i> (30-09-2000) (20-12-2011)
<b>L1</b>	Tiada Tahap <i>(No Level)</i>		

	<b>Penerbitan Multimedia (Multimedia Production)</b>	
<b>L5</b>	<b>IT-071-5:2011</b> Video/ Produksi Filem (Penggambaran) <i>Video / Film Production (Shooting)</i> (20-12-2011)	<b>IT-070-5:2011</b> Pembangunan Kandungan Kreatif <i>Creative Content Development</i> (30-09-2000) (20-12-2011)
<b>L4</b>	<b>IT-071-4:2011</b> Video/ Produksi Filem (Penggambaran) <i>Video / Film Production (Shooting)</i> (20-12-2011)	<b>IT-070-4:2011</b> Pembangunan Kandungan Kreatif <i>Creative Content Development</i> (30-09-2000) (20-12-2011)
<b>L3</b>	<b>IT-071-3:2011</b> Video/ Produksi Filem (Penggambaran) <i>Video / Film Production (Shooting)</i> (30-09-2000) (20-12-2011)	<b>IT-070-3</b> Perekabentuk Multimedia - Pengarangan <i>Multimedia Designer - Authoring</i> (30-09-2000) (18-11-08)
<b>L2</b>	<b>IT-071-2:2011</b> Video/ Produksi Filem (Penggambaran) <i>Video / Film Production (Shooting)</i> (30-09-2000) (20-12-2011)	<b>IT-070-2</b> Artis Multimedia – Pengarangan <i>Multimedia Artist - Authoring</i> (30-09-2000) (18-11-08)
<b>L1</b>	Tiada Tahap <i>(No Level)</i>	

## 2.2) SUB SEKTOR: PUSAT DATA (DATA CENTER)

	<b>Sistem Maklumat (Information System)</b>	<b>Sistem Maklumat Geografi Geographical Information System (GIS)</b>
<b>L5</b>	<b>D-060-5</b> Pengurus Sistem Maklumat <i>Information Systems Manager</i> (07-10-99)	<b>IT-081-5</b> Pengurus Geospasial <i>Geospatial Manager</i> (10-12-10)
<b>L4</b>	<b>D-060-4</b> Eksekutif Sistem Maklumat <i>Information Systems Executive</i> (07-10-99)	<b>IT-081-4</b> Eksekutif Geospasial <i>(Geospatial Executive</i> (10-12-10)
<b>L3</b>	<b>IT-080-3</b> Penyelia Pembantu Tadbir Sistem Maklumat <i>Information Systems Administrative Supervisor</i> (07-10-99) (18-11-08)	<b>IT-081-3</b> Juruteknik Geospasial <i>(Geospatial Technician</i> (10-12-10)
<b>L2</b>	<b>IT-080-2</b> Pembantu Tadbir Sistem Maklumat <i>Information Systems Administrative Assistant</i> (07-10-99) (18-11-08)	<b>Tiada Tahap (No Level)</b>
<b>L1</b>	<b>Tiada Tahap (No Level)</b>	

	<b>Pusat Panggilan (Contact Center)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>IT-100-3</b> Penyelia Pusat Panggilan <i>Contact Center Supervisor</i> (10-12-10)
<b>L2</b>	<b>IT-100-2</b> Operator Pusat Panggilan <i>Contact Center Operator</i> (10-12-10)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>

### 2.3) SUB SEKTOR: PENYELENGGARAAN/ PUSAT KHIDMAT (MAINTENANCE/ SUPPORT CENTER)

	Sistem Komputer (Computer System)	Keselamatan Sistem ICT (ICT System Security)	Rangkaian Komputer (Computer Network)
L5	IT-020-5 Eksekutif Sistem Komputer Computer System Executive (23-12-97), (30-09-2000) (18-11-2008)	IT-090-5 Juruteknologi Keselamatan Sistem ICT ICT System Security Technologist (23-06-2009)	D-051-5 Jurutera Rangkaian Network Engineer (23-12-97) (30-09-2000)
L4	IT-020-4 Pembantu Eksekutif Sistem Komputer Computer System Assistant Executive (30-09-97) (30-09-2000) (18-11-2008)	D-051-4 Pembantu Jurutera Rangkaian Assistant Network Engineer (23-12-97) (30-09-2000)	
L3	IT-020-3 Juruteknik Sistem Komputer Computer System Technician (30-09-97) (30-09-2000) (18-11-2008)	IT-030-3 Juruteknik Rangkaian Komputer Computer Network Technician (30-09-97) (30-09-2000) (18-11-08)	
L2	IT-020-2 Pembantu Juruteknik Sistem Komputer Computer System Assistant Technician (30-09-97) (30-09-2000) (18-11-2008)	IT-030-2 Pembantu Juruteknik Rangkaian Komputer Computer Network Junior Technician (30-09-97) (30-09-2000) (18-11-08)	
L1	Tiada Tahap (No Level)		

## 2.4) SUB SEKTOR: PEMBANGUNAN APLIKASI (*APPLICATION DEVELOPMENT*)

	<b>Pembangunan Aplikasi</b> <b>(Application Development)</b>
<b>L5</b>	<b>D-070-5</b> Pembangunan Aplikasi-Juruanalisa Sistem <i>Application Development – System Analysis</i> (06-07-2000)
<b>L4</b>	<b>D-070-4</b> Pembangunan Aplikasi-Pengaturcara Analisis <i>Application Development – Analyst Programmer</i> (06-07-2000)
<b>L3</b>	<b>IT-010-3</b> Pembangunan Aplikasi-Pengaturcara Utama <i>Application Development – Lead Programmer</i> (06-07-2000) (18-11-2008)
<b>L2</b>	<b>IT-010-2</b> Pembangunan Aplikasi-Pengaturcara <i>Application Development – Programmer</i> (06-07-2000) (18-11-2008)
<b>L1</b>	<b>Tiada Tahap</b> <b>(No Level)</b>

	<b>Pembangunan Aplikasi Sistem</b> <b>(Application System Development)</b>		
	<b>Pengaturcaraan Multimedia</b> <b>(Multimedia Programming)</b>	<b>Pengaturcaraan Database</b> <b>(Database Programming)</b>	<b>Pengaturcaraan Server</b> <b>(Server Programming)</b>
<b>L5</b>	<b>IT-120-5:2011</b> Pengaturcaraan Multimedia <i>Multimedia Programming</i> (20-12-2011)	<b>IT-121-5:2011</b> Pengaturcaraan Database <i>Database Programming</i> (20-12-2011)	<b>IT-122-5:2011</b> Pembangunan dan Pengurusan Aplikasi Server <i>Server Application Development and Management</i> (20-12-2011)
<b>L4</b>	<b>IT-120-4:2011</b> Pengaturcaraan Multimedia <i>Multimedia Programming</i> (20-12-2011)	<b>IT-121-4:2011</b> Pengaturcaraan Database <i>Database Programming</i> (20-12-2011)	<b>IT-122-4:2011</b> Pembangunan dan Pengurusan Aplikasi Server <i>Server Application Development and Management</i> (20-12-2011)
<b>L3</b>	<b>IT-010-3</b> Pembangunan Aplikasi-Pengaturcara Utama <i>Application Development – Lead Programmer</i> (06-07-2000) (18-11-2008)		
<b>L2</b>	<b>IT-010-2</b> Pembangunan Aplikasi-Pengaturcara <i>Application Development – Programmer</i> (06-07-2000) (18-11-2008)		
<b>L1</b>	<b>Tiada Tahap</b> <b>(No Level)</b>		

### **SEKTOR 3**

#### **MC : PEMESINAN & PERALATAN / MACHINERY & EQUIPMENT**

<b>BIL/ NO</b>	<b>SUB-SEKTOR/SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
3.1	Alatan Kebersihan Mekanikal/ <i>Mechanical Precision Instrument</i>	MC	1	2	2	1	1	7
3.2	Teknologi Pemesinan Logam/ <i>Metal Machining Technology</i>	H	7	11	11	6	5	40
3.3	Fabrikasi Logam dan Foundry/ <i>Metal Fabrication &amp; Foundry</i>	G MC	2	3	7	2	2	16
3.4	Teknologi Kimpalan & Fabrikasi Logam/ <i>Welding Technology &amp; Metal Fabrication</i>	H	8	12	14	2	2	38
3.5	Automasi Perindustrian & Mekatronik/ <i>Industrial Automation &amp; Mechatronic</i>	H,MC	0	1	1	3	3	8
3.6	Perindustrian Mekanikal/ <i>Industrial Mechanical</i>	H,MC	0	2	2	2	2	8
3.7	Ujian Tanpa Musnah/ <i>Non Destructive Testing (NDT) Services</i>	H	7	9	7	0	0	23
3.8	Lukisan Pelan- Mekanikal/ <i>Mechanical Draughting</i>	MC	0	1	2	0	0	3
	<b>Jumlah / Total</b>		25	41	46	16	15	<b>143</b>

### 3.1) SUB SEKTOR: ALATAN KEPERSISAN MEKANIKAL (*MECHANICAL PRECISION INSTRUMENT*)

	<b>Alat Kebersihan Mekanikal</b> <b>(<i>Mechanical Precision Instrument</i>)</b>	<b>Pembuatan Jam</b> <b>(<i>Watch Making</i>)</b>
<b>L5</b>	<b>MC-010-5</b> Ahli Teknologi Alatan Kebersihan Mekanikal <i>Mechanical Precision Instrument Technologist</i> (25-10-10)	<b>Belum Ada</b> <b>(<i>Not Available</i>)</b>
<b>L4</b>	<b>MC-010-4</b> Penolong Ahli Teknologi Alatan Kebersihan Mekanikal <i>Mechanical Precision Instrument AssistantTechnologist</i> (25-10-10)	
<b>L3</b>	<b>MC-010-3</b> Juruteknik Kanan Alatan Kebersihan Mekanikal <i>Senior Technician -Mechanical Precision Instrument</i> (17-12-98) (24-03-09)	<b>MC-011-3</b> Tukang Jam <i>Watch Maker</i> (01-10-09)
<b>L2</b>	<b>MC-010-2</b> Juruteknik Alatan Kebersihan Mekanikal <i>Technician -Mechanical Precision Instrument</i> (17-12-98) (24-03-09)	<b>MC-011-2</b> Juruteknik Jam <i>Watch Technician</i> (01-10-09)
<b>L1</b>	<b>MC-010-1</b> Pembantu Juruteknik Alatan Kebersihan Mekanikal <i>Assistant Technician-Mechanical Precision Instrument</i> (17-12-98) (24-03-09)	<b>Tiada Tahap</b> <b>(<i>No Level</i>)</b>

### 3.2) SUB SEKTOR: TEKNOLOGI PEMESINAN LOGAM (*METAL MACHINING TECHNOLOGY*)

	<b>Pemesinan Logam (Metal Machining)</b>	
<b>L5</b>	<b>MC-050-5</b> Spesialis Pembuatan (CAD/CAM) <i>Manufacturing Specialist (CAD/CAM)</i> (25-10-10)	
<b>L4</b>	<b>MC-050-4</b> Eksekutif Pembuatan (CAD/CAM) <i>Manufacturing Executive (CAD/CAM)</i> (25-10-10)	
<b>L3</b>	<b>MC-050-3</b> Pemesin Kanan <i>Senior Machinist</i> (26-10-93) (16-12-99) (25-10-10)	<b>MC-032-3</b> Juruteknik Pemesinan CNC <i>Computer Numerical Control (CNC) Machining Technician</i> (19-07-96) (01-10-09)
<b>L2</b>	<b>MC-050-2</b> Pemesin <i>Machinist</i> (26-10-93) (16-12-99) (25-10-10)	<b>MC-032-2</b> Pemesin CNC <i>Computer Numerical Control (CNC) Machinist</i> (19-07-96) (01-10-09)
<b>L1</b>	<b>MC-050-1</b> Pemesin Am <i>General Machinist</i> (26-10-93) (16-12-99) (25-10-10)	

	<b>Pemesinan Logam (Metal Machining)</b>	
<b>L5</b>	<b>MC-031-5</b> Ahli Teknologi Cap Terap Logam <i>Metal Stamping Die Technologist</i> (17-12-98) (17-07-12)	<b>MC-030-5</b> Ahli Teknologi Acuan Suntikan Plastik <i>Plastic Injection Mould Technologist</i> (17-12-98) (17-07-12)
<b>L4</b>	<b>MC-031-4</b> Pembantu Ahli Teknologi Cap Terap Logam <i>Assistant Metal Stamping Die Technologist</i> (17-12-98) (17-07-12)	<b>MC-030-4</b> Pembantu Ahli Teknologi Acuan Suntikan Plastik <i>Assistant Plastic Injection Mould Technologist</i> (17-12-98) (17-07-12)
<b>L3</b>	<b>MC-031-3</b> Pembuat Perkakasan Kanan – Cap Terap Logam <i>Senior Toolmaker – Metal Stamping Die</i> (28-11-95) (30-05-2002) (01-10-09)	<b>MC-030-3</b> Pembuat Perkakasan Kanan – Acuan Suntikan Plastik <i>Senior Toolmaker – Plastic Injection Mould</i> (28-11-95) (30-05-2002) (01-10-09)
<b>L2</b>	<b>MC-031-2</b> Pembuat Perkakasan – Cap Terap Logam <i>Toolmaker – Metal Stamping Die</i> (28-11-95) (30-05-2002) (01-10-09)	<b>MC-030-2</b> Pembuat Perkakasan – Acuan Suntikan Plastik <i>Toolmaker – Plastic Injection Mould</i> (28-11-95) (30-05-2002) (01-10-09)
<b>L1</b>	<b>MC-050-1</b> Pemesin Am <i>General Machinist</i> (26-10-93) (16-12-99)	

	<b>Termoplastik (Thermoplastic)</b>			
<b>L5</b>	<b>PG-070-5</b> Pengurus Pengeluaran Plastik (Termoplastik) <i>Plastic Production Manager (Thermoplastic)</i> (16-12-99) (18-11-08)			
<b>L4</b>	<b>PG-070-4</b> Penolong Pengurus Pengeluaran Plastik (Termoplastik) <i>Plastic Production Assistant Manager (Thermoplastic)</i> (16-12-99) (18-11-08)			
<b>L3</b>	<b>PG-010-3</b> Juruteknik Kanan Pengeluaran Penyemperitan Plastik (Termoplastik) <i>Plastic Extrusion Production Senior Technician (Thermoplastic)</i> (17-12-98) (18-11-08)	<b>PG-020-3</b> Juruteknik Kanan Pengeluaran Pengacuan Putaran Plastik (Termoplastik) <i>Plastic Rotational Moulding Production Senior Technician</i> (17-12-98) (18-11-08)	<b>PG-030-3</b> Juruteknik Kanan Pengeluaran Pengacuan Suntikan Plastik (Termoplastik) <i>Plastic Injection Moulding Production Senior Technician (Thermoplastic)</i> (18-11-08)	<b>PG-040-3</b> Juruteknik Kanan Pengeluaran Pengacuan Tiupan Plastik (Termoplastik) <i>Plastic Blow Moulding Production Senior Technician (Thermoplastic)</i> (30-09-2000) (18-11-08)
<b>L2</b>	<b>PG-010-2</b> Juruteknik Pengeluaran Penyemperitan Plastik (Termoplastik) <i>Plastic Extrusion Production Technician (Thermoplastic)</i> (17-12-98) (18-11-08)	<b>PG-020-2</b> Juruteknik Pengeluaran Pengacuan Putaran Plastik (Termoplastik) <i>Plastic Rotational Moulding Production Technician</i> (17-12-98), (18-11-08)	<b>PG-030-2</b> Juruteknik Pengeluaran Pengacuan Suntikan Plastik (Termoplastik) <i>Plastic Injection Moulding Production Technician (Thermoplastic)</i> (18-11-08)	<b>PG-040-2</b> Juruteknik Pengeluaran Pengacuan Tiupan Plastik (Termoplastik) <i>Plastic Blow Moulding Production Technician (Thermoplastic)</i> (30-09-2000) (18-11-08)
<b>L1</b>	<b>PG-010-1</b> Juruteknik Rendah Pengeluaran Penyemperitan Plastik (Termoplastik) <i>Plastic Extrusion Production Junior Technician (Thermoplastic)</i> (17-12-98) 18-11-08)	<b>PG-020-1</b> Juruteknik Rendah Pengeluaran Pengacuan Putaran Plastik (Termoplastik) <i>Plastic Rotational Moulding Production Junior Technician</i> (17-12-98) (18-11-08)	<b>PG-030-1</b> Juruteknik Rendah Pengeluaran Pengacuan Suntikan Plastik (Termoplastik) <i>Plastic Injection Moulding Production Junior Technician (Thermoplastic)</i> (18-11-08)	<b>PG-040-1</b> Juruteknik Rendah Pengeluaran Pengacuan Tiupan Plastik (Termoplastik) <i>Plastic Blow Moulding Production Junior Technician (Thermoplastic)</i> (30-09-2000) (18-11-08)

	<b>Termoset (Thermoset)</b>	
<b>L5</b>	<b>PG-080-5</b> Pengurus Pengeluaran Plastik (Termoset) <i>Plastic Production Manager (Thermoset)</i> (16-12-99) (18-11-08)	
<b>L4</b>	<b>PG-080-4</b> Penolong Pengurus Pengeluaran Plastik (Termoset) <i>Plastic Production Assistant Manager (Thermoset)</i> (16-12-99) (18-11-08)	
<b>L3</b>	<b>PG-050-3</b> Juruteknik Kanan Pengeluaran Pengacuan Suntikan Plastik (Termoset) <i>Plastic Injection Moulding Senior Technician (Thermoset)</i> (17-12-98) (18-11-08)	<b>PG-060-3</b> Juruteknik Kanan Pengeluaran Pengacuan Mampatan Plastik (Termoset) <i>Plastic Compression Moulding Production Senior Technician (Thermoset)</i> (22-04-99) (18-11-08)
<b>L2</b>	<b>PG-050-2</b> Juruteknik Pengeluaran Pengacuan Suntikan Plastik (Termoset) <i>Plastic Injection Moulding Technician (Thermoset)</i> (17-12-98) (18-11-08)	<b>PG-060-2</b> Juruteknik Pengeluaran Pengacuan Mampatan Plastik (Termoset) <i>Plastic Compression Moulding Production Technician (Thermoset)</i> (22-04-99) (18-11-08)
<b>L1</b>	<b>PG-050-1</b> Juruteknik Rendah Pengeluaran Pengacuan Suntikan Plastik (Termoset) <i>Plastic Injection Moulding Junior Technician (Thermoset)</i> (17-12-98) (18-11-08)	<b>PG-060-1</b> Juruteknik Rendah Pengeluaran Pengacuan Mampatan Plastik (Termoset) <i>Plastic Compression Moulding Production Junior Technician (Thermoset)</i> (22-04-99) (18-11-08)

	<b>Filem OPP (OPP Filem)</b>
<b>L5</b>	Belum Ada <i>(Not Available)</i>
<b>L4</b>	
<b>L3</b>	<b>PG-090-3</b> Penyelia Pengeluaran Plastik – OPP Filem <i>Plastic Production Supervisor – OPP Filem</i> (25-10-10)
<b>L2</b>	<b>PG-090-2</b> Juruteknik Pengeluaran Plastik – OPP Filem <i>Plastic Production Technician – OPP Filem</i> (25-10-10)
<b>L1</b>	Tiada Tahap <i>No Level)</i>

### 3.3) SUB SEKTOR: FABRIKASI LOGAM DAN FOUNDRY (*METAL FABRICATION & FOUNDRY*)

	<b>Industri Rawatan Logam</b> <i>(Metal Treatment Industry)</i>	<b>Foundri</b> <i>(Foundry)</i>
<b>L5</b>	<b>Belum Ada</b> <i>(Not Available)</i>	<b>G-070-5</b> Pengurus Foundri <i>Foundry Manager</i> (25-04-2006)
<b>L4</b>		<b>G-070-4</b> Eksekutif Foundri <i>Foundry Executive</i> (25-04-2006)
<b>L3</b>	<b>MC-071-3</b> Juruteknik Kanan Rawatan Haba <i>Heat Treatment Senior Technician</i> (19-4-2011)	<b>MC-070-3</b> Juruteknik Foundri <i>Foundry Technician</i> (30-09-2000) (25-10-10)
<b>L2</b>	<b>MC-071-2</b> Juruteknik Rawatan Haba <i>Heat Treatment Technician</i> (19-4-2011)	<b>MC-070-2</b> Jurufoundri Kanan <i>Senior Foundry Man</i> (30-09-2000) (25-10-10)
<b>L1</b>	<b>Tiada Tahap</b> <i>(No Level)</i>	<b>MC-070-1</b> Jurufoundri <i>Foundry Man</i> (30-09-2000) (25-10-10)

	<b>Pembuatan Keluli</b> <i>(Steel Making)</i>			
<b>L5</b>	<b>G-110-5</b> Pengurus Pembuatan Keluli <i>Steel Making Manager</i> (25-04-2006)			
<b>L4</b>	<b>G-110-4</b> Eksekutif Pembuatan Keluli <i>Steel Making Executive</i> (25-04-2006)			
<b>L3</b>	<b>G-110-3</b> Juruteknik Pengendalian Bahan (Pembuatan Keluli) <i>Material Handling Technician (Steel Making)</i> (16-08-01)	<b>G-111-3</b> Juruteknik Lebur (Pembuatan Keluli) <i>Melting Technician (Steel Making)</i> (16-08-01)	<b>G-112-3</b> Juruteknik Tuangan (Pembuatan Keluli) <i>Casting Technician (Steel Making)</i> (16-08-01)	<b>G-113-3</b> Juruteknik Gulungan (Pembuatan Keluli) <i>Rolling Technician (Steel Making)</i> (16-08-01)
<b>L2</b>	<b>G-100-2</b> Operator Pengeluaran Kanan (Pembuatan Keluli) <i>Senior Production Operator (Steel Making)</i> (16-08-01)			
<b>L1</b>	<b>G-100-1</b> Operator Pengeluaran (Pembuatan Keluli) <i>Production Operator (Steel Making )</i> (16-08-01)			

	Penempaan Logam ( <i>Metal Forging</i> )	
	Kejuruteraan( <i>Engineering</i> )	Pengeluaran( <i>Production</i> )
L5	Belum ada ( <i>Not Available</i> )	
L4		
L3	MC-072-3:2012 Pengeluaran Penempaan Logam <i>Metal Forging Production</i> (17-07-2012)	
L2	Tiada Tahap ( <i>No Level</i> )	
L1	Tiada Tahap ( <i>No Level</i> )	

**3.4) SUB SEKTOR: TEKNOLOGI KIMPALAN & FABRIKASI LOGAM(WELDING TECHNOLOGY & METAL FABRICATION)**

	<b>Kimpalan Gas (Gas Welding)</b>	<b>Kepingan Logam (Sheet Metal)</b>	<b>Fabrikasi (Fabrication)</b>	<b>Pemeriksaan (Inspection)</b>
<b>L5</b>	<b>H-023-5</b> Jurutera Kimpalan ( Fabrikasi) <i>Welding Engineer (Fabrication)</i> (20-06-97)			
<b>L4</b>	<b>H-023-4</b> Pembantu Jurutera Kimpalan ( Fabrikasi) <i>Assistant Welding Engineer (Fabrication)</i> (20-06-97)			
<b>L3</b>	<b>H-022-3 @</b> Juruteknik Kimpalan Gas <i>Gas Welding Technician</i> (12-04-96)	<b>H-070-3</b> Juruteknik Kepingan Logam <i>Sheet Metal Technician</i> (10-04-95)	<b>H-200-3</b> Juruteknik Fabrikasi & Memasang Struktur Keluli <i>Steel Structure &amp; Fabrication Technician</i> (30-04-97)	<b>H-060-3 @</b> Pemeriksa Kimpalan Kanan <i>Senior Welding Inspector</i> (28-11-95)
<b>L2</b>	<b>H-022-2</b> Jurukimpal Gas <i>Gas Welder</i> (12-04-96)	<b>H-070-2</b> Jurubentuk Kepingan Logam <i>Sheet Metal Fabricator</i> (10-04-95)	<b>H-200-2</b> Fabrikator & Pemasang Struktur Keluli <i>Steel Structure Erector &amp; Fabricator</i> (30-09-97)	<b>H-060-2</b> Pemeriksa Kimpalan <i>Welding Inspector</i> (28-11-95)
<b>L1</b>	<b>H-022-1</b> Jurukimpal Gas <i>Gas Welder</i> (12-04-96)	<b>H-070-1</b> Jurubentuk Kepingan Logam <i>Sheet Metal Fabricator</i> (10-04-95)	<b>H-200-1</b> Fabrikator & Pemasang Struktur Keluli <i>Steel Structure Erector &amp; Fabricator</i> (30-09-97)	<b>H-060-1</b> Pemeriksa Kimpalan <i>Welding Inspector</i> (28-11-95)

	Kimpalan Arka (Arc Welding)				
L5	H-023-5 Jurutera Kimpalan ( Fabrikasi) Welding Engineer (Fabrication) (20-06-97)				
L4	H-023-4 Pembantu Jurutera Kimpalan ( Fabrikasi) Assistant Welding Engineer (Fabrication) (20-06-97)				
L3	H-024-3 Juruteknik Kimpalan Arka Logam Berperisai(Keluli Karbon & Keluli Tahan Karat) Shielded Metal Arc Welding Technician (Carbon Steel & Stainless Steel) (16-07-98)	H-026-3 Juruteknik Kimpalan Arka Tungsten Gas & Arka Logam Berperisai(Keluli Karbon & Keluli Tahan Karat) Gas Tungsten Arc & Shielded Metal Arc Welding Technician (Carbon Steel & Stainless Steel) (16-07-98)	H-025-3 Juruteknik Kimpalan Arka Tungsten Gas (Keluli Karbon & Keluli Tahan Karat & Aluminium) Shielded Metal Arc Welding Technician (Carbon Steel & Stainless Steel & Aluminium (16-07-98)	H-021-3 @ Juruteknik Kimpalan Logam Tanpa Ferus Non Ferrous Metal Welding Technician (10-04-95)	
L2	H-024-2 Jurukimpal Arka Logam Berperisai (Keluli Karbon & Keluli Tahan Karat) Shielded Metal Arc Welder (Carbon Steel & Stainless Steel) (16-07-98)		H-025-2 Jurukimpal Arka Tungsten Gas(Keluli Karbon & Keluli Tahan Karat) Gas Tungsten Arc Welder (Carbon Steel & Stainless Steel) (16-07-98)		H-021-2 Jurukimpal Logam Tanpa Ferus Non Ferrous Metal Welder (10-04-95)
L1	H-024-1 Jurukimpal Arka Logam Berperisai (Keluli Karbon) Shielded Metal Arc Welder (Carbon Steel) (16-07-98)				

	<b>Kimpalan Arka (Arc Welding)</b>		
<b>L5</b>	<b>H-023-5</b> Jurutera Kimpalan ( Fabrikasi) <i>Welding Engineer (Fabrication)</i> (20-06-97)		
<b>L4</b>	<b>H-023-4</b> Pembantu Jurutera Kimpalan ( Fabrikasi) <i>Assistant Welding Engineer (Fabrication)</i> (20-06-97)		
<b>L3</b>	<b>H-027-3</b> Juruteknik Kimpalan Arka Logam Gas (Kululi Karbon, Keluli Tahan Karat & Aluminium) <i>Gas Metal Arc Welding Technician (Carbon Steel, Stainless Steel &amp; Aluminium))</i> (08-07-99)	<b>H-028-3</b> Juruteknik Kimpalan Arka Berteraskan Fluks (Keluli Karbon) <i>Flux Cored Arc Welding Technician (Carbon Steel)</i> (08-07-99)	<b>H-029-3</b> Juruteknik Kimpalan Arka Terbenam (Keluli Karbon) <i>Submerged Arc Welding Technician (Carbon Steel)</i> (08-07-99)
<b>L2</b>	<b>H-027-2</b> Jurukimpal Arka Logam Gas (Kululi Karbon, Keluli Tahan Karat & Aluminium) <i>Gas Metal Arc Welder (Carbon Steel, Stainless Steel &amp; Aluminium)</i> (08-07-99)		<b>H-029-2</b> Operator Kimpalan Arka Terbenam (Keluli Karbon) <i>Submerged Arc Welding Operator (Carbon Steel)</i> (08-07-99)
<b>L1</b>	<b>H-024-1</b> Jurukimpal Arka Logam Berperisai (Keluli Karbon) <i>Shielded Metal Arc Welder (Carbon Steel)</i> (16-07-98)		

	<b>Fabrikasi (SME)</b> <i>[Fabrication (SME)]</i>	<b>Fabrikasi Struktur</b> <i>( Structural Fabrication)</i>	<b>Peralatan Tekanan</b> <i>(Pressurized Equipment)</i>
<b>L5</b>	Belum ada <i>(Not Available)</i>	Belum ada <i>(Not Available)</i>	<b>MC-075-5:2012</b> Pembuatan Peralatan Tekanan <i>Pressurized Equipment Manufacturing</i> (17-07-2012)
<b>L4</b>	Belum ada <i>(Not Available)</i>	Belum ada <i>(Not Available)</i>	<b>MC-075-4:2012</b> Pembuatan Peralatan Tekanan <i>Pressurized Equipment Manufacturing</i> (17-07-2012)
<b>L3</b>	<b>MC-073-3</b> Penyelia Fabrikasi (SME) <i>Fabrication Quality Controller(SME)</i> (17-07-2012)	<b>MC-074-3</b> Penyelia Fabrikasi (Struktur) <i>Fabrication Supervisor(Structure)</i> (17-07-2012)	<b>MC-075-3</b> Penyelia Fabrikasi (Peralatan Tekanan) <i>Fabrication Supervisor</i> <i>(Pressurized Equipment)</i> (17-07-2012)
<b>L2</b>	<b>MC-073-2</b> Penyelia Fabrikasi (SME) <i>Fabrication Supervisor (SME)</i> (17-07-2012)	<b>MC-074-2</b> Fabrikator (Struktur) <i>Fabricator (Structure)</i> (17-07-2012)	<b>MC-075-2</b> Fabrikator (Peralatan Tekanan) <i>Fabricator (Pressurized Equipment)</i> (17-07-2012)
<b>L1</b>	<b>MC-073-1</b> Pembantu Fabrikator (SME) <i>Assistant Fabricator (SME)</i> (17-07-2012)	<b>MC-074-1</b> Pembantu Fabrikator (Struktur) <i>Assistant Fabricator (Structure)</i> (17-07-2012)	<b>MC-075-1</b> Pembantu Fabrikator (Peralatan Tekanan) <i>Assistant Fabricator (Pressurized Equipment)</i> (17-07-2012)

### 3.5) SUB SEKTOR: AUTOMASI PERINDUSTRIAN & MEKATRONIK (*INDUSTRIAL AUTOMATION & MECHATRONIC*)

	<b>Mekatronik (<i>Mechatronic</i>)</b>	<b>Automasi Perindustrian (<i>Industrial Automation</i>)</b>	<b>Teknologi Robotik (<i>Robotic Technology</i>)</b>
<b>L5</b>	<b>MC-090-5</b> Ahli Teknologi Mekatronik <i>Mechatronic Technologist</i> (17-12-98) (10-12-10)	<b>MC-091-5:2011</b> Kejuruteraan Automasi Industri <i>Industrial Automation Engineering</i> (06-07-2000) (20-12-2011)	<b>MC-020-5</b> Ahli Teknologi Kanan Robotik <i>Robotic Senior Technologist</i> (23-06-2009)
<b>L4</b>	<b>MC-090-4</b> Pembantu Ahli Teknologi Mekatronik <i>Assistant Mechatronic Technologist</i> (17-12-98) (10-12-10)	<b>MC-091-4:2011</b> Kejuruteraan Automasi Industri <i>Industrial Automation Engineering</i> (06-07-2000) (20-12-2011)	<b>MC-020-4</b> Ahli Teknologi Robotik <i>Robotic Technologist</i> (23-06-2009)
<b>L3</b>	<b>H-176-3</b> Juruteknik Automasi Senior <i>(Senior Automation Technician)</i> (6-3-2007)		
<b>L2</b>	<b>H-176-2</b> Juruteknik Automasi <i>(Automation Technician)</i> (6-3-2007)		
<b>L1</b>	<b>Tiada Tahap (No Level)</b>		

### 3.6) SUB SEKTOR: PERINDUSTRIAN MEKANIKAL (*INDUSTRIAL MECHANICAL*)

	<b>Jaminan Kualiti Industri (<i>Industrial Quality Assurance</i>)</b>	<b>Produk Industri (<i>Industrial Product</i>)</b>
<b>L5</b>	<b>MC-041-5:2012</b> Jaminan Kualiti Industri <i>Industrial Quality Assurance</i> (18-07-2002) (05-04-2012)	<b>MC-040-5</b> Pereka Produk Industri <i>Industrial Product Designer</i> (01-10-09)
<b>L4</b>	<b>MC-041-4:2012</b> Jaminan Kualiti Industri <i>Industrial Quality Assurance</i> (18-07-2002) (05-04-2012)	<b>MC-040-4</b> Penolong Pereka Produk Industri <i>Assistant Industrial Product Designer</i> (01-10-09)
<b>L3</b>	<b>MC-041-3:2012</b> Jaminan Kualiti Industri (Pembuatan) <i>Industrial Quality Assurance (Manufacturing)</i> (19-07-01) (05-04-2012)	<b>H-312-3</b> Juruteknik Kanan Rekabentuk Produk Industri <i>Industrial Product Design Senior Technician</i> (19-07-01) (30-10-07)
<b>L2</b>	<b>MC-041-2:2012</b> Kawalan Kualiti Industri <i>Industrial Quality Control</i> (19-07-01) (05-04-2012)	<b>H-312-2</b> Juruteknik Rekabentuk Produk Industri <i>Industrial Product Design Technician</i> (19-07-01) (30-10-07)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>	<b>Tiada Tahap (No Level)</b>

### 3.7) SUB SEKTOR: UJIAN TANPA MUSNAH (NON-DESTRUCTIVE TESTING SERVICES)

Perkhidmatan NDT(NDT Services)				
	Pengujian Radiograf (Radiographer Testing)	Pengujian Arus Pusar (Eddy Current Testing)	Pengujian Penembus Cecair (Liquid Penetrant Tester)	Pengujian Ultrasonic (Ultrasonic Testing)
L5	Belum Ada (Not Available)			
L4				
L3	<b>MC-110-3</b> Pengamal NDT (Pengujian Radiografi Industri) L3 NDT Practitioner (Industrial Radiography Testing) L3 (13-04-2000) (19-4-2011)	<b>MC-111-3</b> Pengamal NDT (Eddy Current Testing) L3 NDT Practitioner (Eddy Current Testing)L3 (30-07-95) (03-03-2005) (19-4-2011)	<b>MC-112-3</b> Pengamal NDT (Pengujian Penembusan) L3 NDT Practitioner (Penetrant Testing)L3 (01-07-90) (19-4-2011)	<b>MC-113-3</b> Pengamal NDT (Pengujian Ultrasonik) L3 NDT Practitioner (Ultrasonic Testing)L3 (13-04-2000) (19-4-2011)
L2	<b>MC-110-2</b> Pengamal NDT (Pengujian Radiografi Industri) L2 NDT Practitioner (Industrial Radiography Testing) L2 (13-04-2000) (19-4-2011)	<b>MC-111-2</b> Pengamal NDT (Eddy Current Testing) L2 NDT Practitioner (Eddy Current Testing)L2 (30-07-95) (03-03-2005) (19-4-2011)	<b>MC-112-2</b> Pengamal NDT (Pengujian Penembusan) L2 NDT Practitioner (Penetrant Testing)L2 (01-07-90) (19-4-2011)	<b>MC-113-2</b> Pengamal NDT (Pengujian Ultrasonik) L2 NDT Practitioner (Ultrasonic Testing)L2 (13-04-2000) (19-4-2011)
L1	<b>MC-110-1</b> Pengamal NDT (Pengujian Radiografi Industri) L1 NDT Practitioner (Industrial Radiography Testing)L1 (13-04-2000) (19-4-2011)	<b>MC-111-1</b> Pengamal NDT (Eddy Current Testing) L1 NDT Practitioner (Eddy Current Testing)L1 (30-07-95) (03-03-2005) (19-4-2011)	<b>MC-112-1</b> Pengamal NDT (Pengujian Penembusan) L1 NDT Practitioner (Penetrant Testing)L1 (01-07-90) (19-4-2011)	<b>MC-113-1</b> Pengamal NDT (Pengujian Ultrasonik) L1 NDT Practitioner (Ultrasonic Testing)L1 (13-04-2000) (19-4-2011)

	Pengujian Zarah Magnet ( <i>Magnetic Particle Tester</i> )	Pentafsir Radiograf ( <i>Radiograph Interpreter</i> )	
L5	Belum ada ( <i>Not Available</i> )		
L4			
L3	MC-114-3 Pengamal NDT (Pengujian Partikel Magnetik) L3 <i>NDT Practitioner</i> <i>Magnetic Particle Testing L3</i> (01-01-93) (19-4-2011)	Belum ada ( <i>Not Available</i> )	
L2	MC-114-2 Pengamal NDT (Pengujian Partikel Magnetik) L2 <i>NDT Practitioner</i> <i>Magnetic Particle Testing L2</i> (01-01-93) (19-4-2011)	MC-115-2 Pentafsir Radiograf-Binaan Berkimpalan <i>Radiograph Interpreter-Welded Construction L2</i> (01-01-93)	H-042-2 Pentafsir Radiograf-Tuangan dan Tempaan <i>Radiograph Interpreter-Casting and Forging</i> (01-01-93)
L1	MC-114-1 Pengamal NDT (Pengujian Partikel Magnetik) L1 <i>NDT Practitioner</i> <i>Magnetic Particle Testing L1</i> (01-01-93) (19-4-2011)	Tiada Tahap ( <i>No Level</i> )	

	Dalam Air- Ujian Tanpa Musnah (NDT) (Underwater Non-Destructive Testing (NDT))	Aeroangkasa- Ujian Tanpa Musnah (NDT) Aerospace Non-Destructive Testing (NDT)
L5	Belum ada (Not Available)	
L4		
L3	<b>MC-061-3</b> Penguji Ultrasonik Dalam Air <i>Underwater Ultrasonic Tester (UWUT)</i> (25-10-10)	<b>MC-062-3</b> Penguji Ultrasonik Aeroangkasa <i>Aerospace Ultrasonic Tester (UT)</i> (25-10-10)
L2	<b>MC-061-2</b> Penguji Ultrasonik Dalam Air <i>Underwater Ultrasonic Tester (UWUT)</i> (25-10-10)	<b>MC-062-2</b> Penguji Ultrasonik Aeroangkasa <i>Aerospace Ultrasonic Tester (UT)</i> (25-10-10)
L1	<b>MC-061-1</b> Penguji Ultrasonik Dalam Air <i>Underwater Ultrasonic Tester (UWUT)</i> (25-10-10)	<b>MC-062-1</b> Penguji Ultrasonik Aeroangkasa <i>Aerospace Ultrasonic Tester (UT)</i> (25-10-10)

### 3.8) SUB SEKTOR: LUKISAN PELAN – MEKANIKAL (*MECHANICAL DRAUGHTING*)

	<b>Pelukis Pelan Mekanikal</b> <b>(Mechanical Draughting)</b>	
<b>L5</b>	<b>Belum ada</b> <b>(Not Available)</b>	
<b>L4</b>		
<b>L3</b>	<b>MC-081-3</b> Pelukis Pelan Kanan Kejuruteraan Mekanikal <i>Senior Mechanical Engineering Draughtsman-</i> <i>Manufacturing</i> (19-12-94) (25-10-10)	<b>MC-082-3</b> Pelukis Pelan Kanan Kejuruteraan Mekanikal- Minyak & Gas <i>Senior Mechanical Engineering Draughtsman-Oil &amp;</i> <i>Gas</i> (12-12-95) (25-10-10)
<b>L2</b>	<b>MC-080-2</b> Pelukis Pelan Kejuruteraan Mekanikal <i>Mechanical Engineering Draughtsman</i> (19-12-94) (25-10-10)	
<b>L1</b>	<b>Tiada Tahap</b> <b>(No Level)</b>	

#### **SEKTOR 4:**

#### **ME : PERKHIDMATAN & PENYELENGGARAAN MEKANIKAL & ELEKTRIKAL / *MECHANICAL & ELECTRICAL SERVICE AND MAINTENANCE***

<b>BIL/ NO</b>	<b>SUB-SEKTOR/SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
4.1	Penyejuk Bekuan & Penyaman Udara/ <i>Refrigeration &amp; Air Conditioning</i>	C	0	2	1	1	1	5
4.2	Penyelenggaraan Mesin & Peralatan/ <i>Machine &amp; Equipment Maintenance</i>	H FPE	2	3	3	1	1	10
4.3	Penyelenggaraan Bangunan/ <i>Buidling Maintenance</i>	BOM	1	1	1	0	0	3
4.4	Perlindungan Kebakaran/ <i>Fire Protection</i>	FPP	4	4	3	0	0	11
	<b>Jumlah / Total</b>		7	10	8	2	2	<b>29</b>

**4.1) SUB SEKTOR: PENYEJUK BEKUAN & PENYAMANAN UDARA (REFRIGERATION & AIR CONDITIONING)**

	<b>Pemanasan, Pengalihan Udara, Penyamanan Udara (HVAC) Penyejukbekuan (Heating, Ventilation, Air Conditioning (HVAC) &amp; Refrigeration)</b>	
	<b>Domestik / Domestic</b>	<b>Komersial / Commercial</b>
<b>L5</b>	<b>ME-020-5:2012</b> Pengurusan Rekabentuk, Pemasangan & Penyelenggaraan HVAC <i>HVAC Design, Installation and Maintenance Management</i> (30-05-2002) (05-04-2012)	
<b>L4</b>	<b>ME-020-4:2012</b> Pengurusan Rekabentuk, Pemasangan & Penyelenggaraan HVAC <i>HVAC Design, Installation and Maintenance Management</i> (30-05-2002) (05-04-2012)	
<b>L3</b>	<b>ME-020-3:2012</b> Penyeliaan Pemasangan & Penyelenggaraan HVAC <i>HVAC Installation and Maintenance Supervision</i> (07-07-93) / (28-11-95) (05-04-2012)	
<b>L2</b>	<b>ME-020-2:2012</b> Peralatan Penyamanan Udara HVAC -Satu Fasa (Pemasangan, Servicing, Troubleshooting & Pembaikpulihan) <i>HVAC Single Phase Air-Conditioning Equipment (Installation, Servicing, Troubleshooting &amp; Repair)</i> (07-07-93) (05-04-2012)	<b>ME-021-2:2012</b> Peralatan Penyamanan Udara HVAC -Tiga Fasa (Servicing, Troubleshooting & Pembaikpulihan) <i>HVAC Three Phase Air-Conditioning Equipment (Servicing, Troubleshooting &amp; Repair)</i> (28-11-95) (05-04-2012)
<b>L1</b>	Tiada Tahap (No Level)	

**4.2) SUB SEKTOR: PENYELENGGARAAN MESIN & PERALATAN (MACHINE & EQUIPMENT MAINTENANCE)**

	<b>Penyenggaraan Industri (Industrial Maintenance)</b>	<b>Penyenggaraan Industri bagi Industri Berat (Industrial Maintenance For Heavy Industry)</b>	<b>Penyelenggaraan Dandang (Boiler Maintenance)</b>
<b>L5</b>	<b>H-100-5</b> Jurutera Pembinaan dan Penyelenggaraan Mesin <i>Machine Building and Maintenance Engineer</i> (30-09-2000)	<b>Belum Ada (Not Available)</b>	
<b>L4</b>	<b>H-100-4</b> Pembantu Jurutera Pembinaan dan Penyelenggaraan Mesin <i>Assistant Machine Building and Maintenance Engineer</i> (30-09-2000)		
<b>L3</b>	<b>ME-010-3</b> Penyelia Penyelenggaraan Elektromekanikal <i>Electromechanical Maintenance Supervisor</i> (28-11-95) (10-12-10)	<b>H-160-3</b> Juruteknik Penyelenggaraan Industri Berat <i>Heavy Industry Maintenance Technician</i> (19-12-2002)	<b>H-210-3</b> Penyelia Penyelenggara Dandang <i>Boiler Maintenance Supervisor</i> (25-04-2006)
<b>L2</b>	<b>ME-010-2</b> Juruteknik Penyelenggaraan Elektromekanikal <i>Electromechanical Maintenance Technician</i> (28-11-95) (10-12-10)	<b>H-160-2</b> Pembantu Juruteknik Penyelenggaraan Industri Berat <i>Heavy Industry Assistant Maintenance Technician</i> (19-12-2002)	<b>H-210-2</b> Penyelenggara Dandang Jurugegas II <i>Boiler Maintenance Fitter II</i> (25-04-2006)
<b>L1</b>	<b>ME-010-1</b> Juruteknik Muda Penyelenggaraan Elektromekanikal <i>Electromechanical Maintenance Junior Technician</i> (28-11-95) (10-12-10)	<b>Tiada Tahap (No Level)</b>	<b>H-210-1</b> Penyelenggara Dandang Jurugegas I <i>(Boiler Maintenance Fitter I</i> (25-04-2006)

#### 4.3) SUB SEKTOR: PENYELENGGARAAN BANGUNAN (*BUILDING MAINTENANCE*)

	Operasi & Penyelenggaraan Bangunan ( <i>Building Operation &amp; Maintenance</i> )*
L5	Belum ada ( <i>Not Available</i> )
L4	
L3	<b>BOM3</b> Penyelia Operasi & Penyelenggaraan Bangunan <i>Building Operation &amp; Maintenance Supervisor</i> (03-03-2005)
L2	<b>BOM2</b> Juruteknik Operasi & Penyelenggaraan Bangunan <i>Building Operation &amp; Maintenance Technician</i> (03-03-2005)
L1	<b>BOM1</b> Penolong Juruteknik Operasi & Penyelenggaraan Bangunan <i>Building Operation &amp; Maintenance Assistant Technician</i> (03-03-2005)

#### 4.4) SUB SEKTOR: PERLINDUNGAN KEBAKARAN (*FIRE PROTECTION*)

	Perlindungan Kebakaran( <i>Fire Protection</i> )*			Penyelenggaraan Perlindungan Kebakaran ( <i>Fire Protection Maintenance</i> )*
L5	Belum ada ( <i>Not Available</i> )			
L4				
L3	<b>FPA3</b> Eksekutif Perlindungan Kebakaran <i>Fire Protection Active Supervisor</i> (2003)		<b>FPP3</b> Penyelia Perlindungan Kebakaran (Pasif) <i>Fire Protection Passive Supervisor</i> (2003)	<b>FPS3</b> Penyelia Penyelenggaraan Perlindungan Kebakaran <i>Fire Protection Maintenance Supervisor</i> (2003)
L2	<b>FPE2</b> Pemasang Perlindungan Kebakaran (Elektrikal) <i>Fire Protection Installer (Electrical)</i> (2003)	<b>FPM2</b> Pemasang Perlindungan Kebakaran (Mekanikal) <i>Fire Protection Installer (Mechanical)</i> (2003)	<b>FPP2</b> Applikator Perlindungan Kebakaran (Pasif) <i>Fire Protection Passive Applicator</i> (2003)	<b>FPS2</b> Pembantu Penyelenggaraan Perlindungan Kebakaran <i>Fire Protection Maintenance Assistant</i> (2003)
L1	<b>FPE1</b> Pemasang Perlindungan Kebakaran (Elektrikal) <i>Fire Protection Installer (Electrical)</i> (2003)	<b>FPM1</b> Pemasang Perlindungan Kebakaran (Mekanikal) <i>Fire Protection Installer (Mechanical)</i> (2003)	<b>FPP1</b> Applikator Perlindungan Kebakaran (Pasif) <i>Fire Protection Passive Applicator</i> (2003)	<b>FPS1</b> Pembantu Penyelenggaraan Perlindungan Kebakaran <i>Fire Protection Maintenance Assistant</i> (2003)

**Nota :**

\*NOSS boleh juga didapati di CIDB – No. Tel: 03-26170200 (\* NOSS also available from CIDB – Tel No: 03-26170200)

## **SEKTOR 5:**

### **TP : PENGANGKUTAN / TRANSPORTATION**

<b>BIL. /NO.</b>	<b>SUB-SEKTOR/SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
5.1	Penerbangan/ <i>Aviation</i>	TP, Q	2	2	5	2	6	17
5.2	Maritim/ <i>Maritime</i>	TP,R	7	9	9	2	2	29
5.3	Jentera dan Pengangkutan Darat / <i>Machinery &amp; Land Transportation</i>	P,TP, AT,AF	7	14	21	7	4	53
5.4	Pemasangan Kenderaan Bermotor/ <i>Motor Vehicle Assembly</i>	TP,P	6	7	6	1	1	21
5.5	Pemasangan Motosikal/ <i>Motorcycle Assembly</i>	P	5	6	6	0	0	17
5.6	Jentera dan Pengangkutan Darat / <i>Machinery &amp; Land Transportation</i>	W	0	1	2	0	0	3
5.7	Angkasa Lepas/ <i>Aerospace</i>	TP	0	0	0	0	0	0
5.8	Industri Keretapi/ <i>Train Industry</i>	RW	8	11	11	4	4	38
	<b>Jumlah / Total</b>		35	50	60	16	17	<b>178</b>

### 5.1) SUB SEKTOR: PENERBANGAN (AVIATION)

	Pesawat (Mekanikal) (Aircraft (Mechanical))				Pesawat (Avionik) (Aircraft (Avionics))	
L5	TP-061-5 Jurutera Penyelenggaraan Pesawat (Kapal Terbang 1) Aircraft Maintenance Engineer (Aeroplane 1) (25-10-10)	TP-062-5 Jurutera Penyelenggaraan Pesawat (Kapal Terbang 11) Aircraft Maintenance Engineer (Aeroplane 11) (25-10-10)	TP-063-5 Jurutera Penyelenggaraan Pesawat (Enjin- Prop & Turbin) Aircraft Maintenance Engineer (Engine - Prop & Turbine) (25-10-10)	TP-064-5 Jurutera Penyelenggaraan Pesawat (Enjin- Piston) Aircraft Maintenance Engineer (Engine - Piston) (25-10-10)	TP-071-5 Jurutera Penyelenggaraan Pesawat Avionik (Elektrikal) Aircraft Maintenance Engineer Avionics (Electrical) (25-10-10)	TP-072-5 Jurutera Penyelenggaraan Pesawat Avionik (Instrumen) Aircraft Maintenance Engineer Avionics (Instrument) (25-10-10)
L4	TP-060-4 Juruteknik Penyelenggaraan Pesawat (Pesawat) Aircraft Maintenance Technician (Mechanical) (25-10-10)				TP-070-4 Juruteknik Penyelenggaraan Pesawat (Avionik) Aircraft Maintenance Technician (Avionics) (25-10-10)	
L3	Tiada Tahap (No Level)					
L2						
L1						

	Pesawat- Kerangka (Aircraft - Body Frame)	Turbin Helikopter (Helicopter Turbine)
L5	<b>Belum ada (Not Available)</b>	
L4		
L3	<b>Q-060-3</b> Mekanik Pesawat : Pembaikan Struktur Logam <i>Aircraft Mechanic: Metal Structural Repair (24-09-98)</i>	<b>Q-070-3</b> Mekanik Pesawat (Mekanikal)- Helikopter Turbin <i>Aircraft Mechanic (Mechanical) - Helicopter Turbine (07-10-99)</i>
L2	<b>Tiada Tahap (No Level)</b>	
L1		

	<b>Penyelenggaraan Pesawat (Air Craft Maintenance)</b>	<b>Peralatan Sokongan Darat Pesawat (Aircraft Ground Support Equipment)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>	
<b>L4</b>		
<b>L3</b>	<b>TP-040-3</b> Juruteknik Kanan Penyelenggaraan Dalam Pesawat <i>Senior Air Craft Interior Maintenance Technician</i> (23-06-2009)	<b>TP-051-3</b> Juruteknik Peralatan Sokongan Darat Pesawat <i>Aircraft Ground Support Equipment Technician</i> (7-10-99) (25-10-10)
<b>L2</b>	<b>TP-040-2</b> Juruteknik Penyelenggaraan Dalam Pesawat <i>Air Craft Interior Maintenance Technician</i> (23-06-2009)	<b>Tiada Tahap (No Level)</b>
<b>L1</b>	<b>TP-040-1</b> Juruteknik Rendah Penyelenggaraan Dalam Pesawat <i>Junior Air Craft Interior Maintenance Technician</i> (23-06-2009)	

	<b>Pengendalian Bumi(Ground Handling)</b>			
	<b>Servis Tanjakan (Ramp Services)</b>	<b>Servis Hangar (Hangar services)</b>	<b>Perkhidmatan Tiket (Ticketing Services)</b>	<b>Pengurusan Pelepasan (Departure Handling)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>			
<b>L4</b>				
<b>L3</b>	<b>TP-800-3:2011</b> Pengendalian Bumi-Servis Tanjakan <i>Ground Handling- Ramp Services</i> (18-11-11)	<b>Belum ada (Not Available)</b>	<b>Belum ada (Not Available)</b>	<b>Belum ada (Not Available)</b>
<b>L2</b>	<b>TP-800-2:2011</b> Pengendalian Bumi-Servis Tanjakan <i>Ground Handling- Ramp Services</i> (18-11-11)			
<b>L1</b>	<b>TP-800-1:2011</b> Pengendalian Bumi-Servis Tanjakan <i>Ground Handling- Ramp Services</i> (18-11-11)			

## 5.2) SUB SEKTOR: MARITIM (MARITIME)

	Mekanikal (Mechanical)	Elektrik (Electrical)	Elektronik (Electronic)	Serimala (Hull)	Pembuatan Bot (Gentian Kaca) (Boat Making (Fiber Glass))
L5	Belum ada (Not Available)				
L4					
L3	<b>TP-021-3</b> Juruteknik Marin (Mekanikal) <i>Marine Technician</i> (04-04-97) (24-03-09)	<b>TP-020-3</b> Juruelektrik Kanan Marin <i>Marine Senior Electrician</i> (23-12-97) (18-11-08)	<b>TP-023-3</b> Juruteknik Kanan Elektronik Marin <i>Marine Electronic Senior Technician</i> (02-04-98) (01-10-09)	<b>TP-024-3</b> Juruteknik Kanan Serimala Marin <i>Marine Hull Senior Technician</i> (16-07-98) (01-10-09)	<b>TP-022-3</b> Penyelia Pembuat Superstruktur dan Serimala Gentian Kaca <i>Fiberglass Hull and Superstructure Builder Supervisor</i> (25-04-05) (24-03-09)
L2	<b>TP-021-2</b> Mekanik Marin (Mekanikal) <i>Marine Mechanic</i> (04-04-97) (24-03-09)	<b>TP-020-2</b> Juruelektrik Marin <i>Marine Electrician</i> (23-12-97) (18-11-08)	<b>TP-023-2</b> Juruteknik Elektronik Marin <i>Marine Electronic Technician</i> (02-04-98) (01-10-09)	<b>TP-024-2</b> Juruteknik Serimala Marin <i>Marine Hull Technician</i> (16-07-98) (01-10-09)	<b>TP-022-2</b> Pembuat Kanan Superstruktur dan Serimala Gentian Kaca <i>Senior Fiberglass Hull and Superstructure Builder</i> (25-04-05) (24-03-09)
L1	<b>TP-021-1</b> Mekanik Muda Marin(Mekanikal) <i>Marine Junior Mechanic</i> (04-04-97) (24-03-09)	<b>R-010-1</b> Mekanik Marin <i>Marine Mechanic</i> (19-07-96)			<b>TP-022-1</b> Pembuat Superstruktur dan Serimala Gentian Kaca <i>Fiberglass Hull and Superstructure Builder</i> (25-04-05) (24-03-09)

	Pembuatan Bot Tradisional (Duyung Traditional Boat Maker)
L5	Belum ada (Not Available)
L4	
L3	<b>TP-080-3</b> Penyelia Pembuatan Bot Tradisional Duyung <i>Duyung Traditional Boat Maker Supervisor</i> (25-10-10)
L2	<b>TP-080-2</b> Pembuat Bot Tradisional Duyung Kanan <i>Senior Duyung Traditional Boat Maker</i> (25-10-10)
L1	<b>TP-080-1</b> Pembuat Bot Tradisional Duyung <i>Duyung Traditional Boat Maker</i> (25-10-10)

	Bahagian Enjin (Engine Department)		
	Antara 750kW dan 3000kW berdekatan pantai (Between 750kW & 3,000kW Near Costal)	3000kW atau lebih berdekatan pantai (3,000kW or More Near Costal)	Tiada Had(Unlimited)
L5	Belum ada (Not Available)	TP-090-5 Second Engineer Officer of 3000kw Or More On Near Coastal Trade Voyage Second Engineer Officer of 3000kw Or More On Near Coastal Trade Voyage (25-10-10)	Belum ada (Not Available)
L4	TP-090-4 Watch Keeping Engineer of 750kw or More on Near Coastal Trade Voyage Watch Keeping Engineer of 750kw or More on Near Coastal Trade Voyage (25-10-10)		
L3	TP-090-3 Able Seafarer Engine Able Seafarer Engine (25-10-10)		
L2	TP-090-2 Watch Keeping Watch Keeping (25-10-10)		
L1	TP-090-1 Engine Rating Engine Rating (25-10-10)		

	Geladak (Deck)		
	Kurang dari 500 GT (Less Than 500 GT)	500 – 3000 GT (500 – 3000 GT)	Lebih dari 3000 GT (More Than 3000 GT)
L5	Belum ada (Not Available)	TP-025-5:2012 Navigational & Operasi Shipboard Navigational and Shipboard Operation (05-04-2012)	
L4	TP-025-4:2012 Navigational Watchkeeping & Operasi Kargo Navigational Watchkeeping and Cargo Operation (05-04-2012)		
L3	TP-025-3:2012 Navigational Watchkeeping & Operasi Geladak Navigational Watchkeeping and Deck Operation (05-04-2012)		
L2	TP-025-2:2012 Navigational Lookout & Operasi Geladak Navigational Lookout and Deck Operation (05-04-2012)		
L1	TP-025-1:2012 Operasi Geladak Deck Operation (05-04-2012)		

	<b>Operasi Pelabuhan (Port Operation)</b>	
<b>L5</b>	Belum ada (Not Available)	
<b>L4</b>		
<b>L3</b>	<b>TP-200-3</b> Penyelia Pelabuhan Port Supervisor (10-12-10)	
<b>L2</b>	<b>TP-200-2</b> Pembantu Operasi Pelabuhan Port Operation Assistant (10-12-10)	
<b>L1</b>	<b>TP-200-1</b> Pemungguh Kapal Port Stevedore (10-12-10)	

### 5.3) SUB SEKTOR: JENTERA & PENGANGKUTAN DARAT (*MACHINERY & LAND TRANSPORTATION*)

	<b>Automotif (Elektrikal) Automotive (Electrical)</b>	<b>Automotif (Kenderaan motor) Automotive (Vehicle)</b>	<b>Servis Tayar (Tyre Service)</b>		<b>Penyenggaraan Kenderaan Perdagangan (Commercial Vehicle Servicing)</b>
<b>L5</b>	<b>TP-310-5</b> Ahli Teknologi Elektrikal Automotif <i>Automotive Electrical Technologist</i> (25-10-10)	<b>TP-300-5</b> Pengurus Automotif-Servis Selepas Jualan <i>Automotive-After Sales Service Manager</i> (20-06-97) (17-07-2012)			
<b>L4</b>	<b>TP-310-4</b> Ahli Teknologi Elektrikal Automotif <i>Automotive Electrical Technologist</i> (25-10-10)	<b>TP-300-4</b> Eksekutif Automotif-Servis Selepas Jualan <i>Automotive-After Sales Service Executive</i> (20-06-97) (17-07-2012)			
<b>L3</b>	<b>TP-300-3</b> Juruteknik Kanan Kenderaan Motor <i>Motor Vehicle Senior Technician</i> (07-07-93) (16-07-98) (25-10-10)		<b>Belum ada (Not Available)</b>		<b>TP-307-3:2012</b> Servis & Penyelenggaraan Kenderaan Perdagangan <i>Commercial Vehicle Servicing &amp; Maintenance</i> (28-11-95) (05-04-2012)
<b>L2</b>	<b>TP-300-2</b> Juruteknik Kenderaan Motor <i>Motor Vehicle Technician</i> (07-07-93) (16-07-98) (25-10-10)		<b>TP-308-2:2012</b> Servis Tayar Kenderaan Ringan <i>Light Vehicle Wheel Servicing</i> (13-04-2000) (30-10-2007) (05-04-2012)	<b>TP-309-2:2012</b> Servis Tayar Kenderaan Berat <i>Heavy Vehicle Wheel Servicing</i> (13-04-2000) (30-10-2007) (05-04-2012)	<b>TP-307-2:2012</b> Servis & Penyelenggaraan Kenderaan Perdagangan <i>Commercial Vehicle Servicing &amp; Maintenance</i> (28-11-95) (05-04-2012)
<b>L1</b>	<b>P-119-1</b> Juruteknik Automotif <i>Automotive Technician</i> (10-08-2006)				

	<b>4 Tayar (4 Wheel)</b>	<b>Drivetrain</b>	<b>Chassis</b>	<b>Elektrikal &amp; Elektronik (Electrical &amp; Electronics)</b>
<b>L5</b>	Belum ada (Not Available)			
<b>L4</b>	Belum ada (Not Available)			
<b>L3</b>	<b>TP-301-3</b> Juruteknik Sukan Bermotor (4 Tayar) <i>Motorsport Technician (4 Wheel)</i> (05-04-2012)			<b>TP-302-3</b> Juruteknik Sukan Bermotor (Elektrikal & Elektronik) <i>Motorsport Technician (Electrical &amp; Electronics)</i> (05-04-2012)
<b>L2</b>	<b>TP-300-2</b> Juruteknik Kenderaan Motor <i>Motor Vehicle Technician</i> (07-07-93) (16-07-98) (25-10-10)			
<b>L1</b>	<b>P-119-1</b> Juruteknik Automotif <i>Automotive Technician</i> (10-08-2006)			

	<b>2 Tayar 2 Wheel</b>	<b>Komposit / Fabrikasi Composite / Fabrication</b>
<b>L5</b>	Belum ada (Not Available)	Belum ada (Not Available)
<b>L4</b>	Belum ada (Not Available)	Belum ada (Not Available)
<b>L3</b>	<b>TP-119-3</b> Juruteknik Sukan Bermotor (2 Tayar) <i>Motorsport Technician (2 Wheel)</i> (05-04-2012)	<b>TP-120-3</b> Fabrikator Sukan Bermotor <i>Motorsport Fabricator</i> (05-04-2012)
<b>L2</b>	<b>TP-118-2:2012</b> Servis & Penyelenggaraan Motosikal <i>Motorcycle Servicing &amp; Maintenance</i> (19-07-96) (30-05-2002) (05-04-2012)	Tiada Tahap (No Level)
<b>L1</b>	<b>TP-118-1:2012</b> Servis & Penyelenggaraan Motosikal <i>Motorcycle Servicing &amp; Maintenance</i> (19-07-96) (30-05-2002) (05-04-2012)	Tiada Tahap (No Level)

	<b>Penyenggaraan Kenderaan Bergas Asli</b> <i>(Natural Gas Vehicle Servicing)</i>	<b>Perkhidmatan Pelanggan Automotif</b> <i>(Automotive Customer Service)</i>	<b>Penyenggaraan Penyamanan Udara Automotif</b> <i>(Automotive Air Conditioning Servicing)</i>
<b>L5</b>	Belum ada <i>(Not Available)</i>		Belum ada <i>(Not Available)</i>
<b>L4</b>	Belum ada <i>(Not Available)</i>		Belum ada <i>(Not Available)</i>
<b>L3</b>	<b>TP-303-3:2012</b> Pemasangan & Penyelenggaraan Sistem Gas Asli Kenderaan <i>Natural Gas For Vehicle(NGV) Installation &amp; Maintenance</i> (26-10-93) (17-12-98) (05-04-2012)	<b>TP-304-3:2012</b> Perkhidmatan Pelanggan Bengkel Automotif <i>Automotive Workshop Customer Service</i> (05-04-2012)	Belum ada <i>(Not Available)</i>
<b>L2</b>	<b>TP-300-2</b> Juruteknik Kenderaan Motor <i>Motor Vehicle Technician</i> (07-07-93) (16-07-98) (25-10-10)		<b>P-120-2</b> Juruteknik Penyamanan Udara Automotif <i>Automotive Air Conditioning Technician</i> (10-08-2006)
<b>L1</b>	<b>P-119-1</b> Juruteknik Automotif <i>Automotive Technician</i> (10-08-2006)		

	Operasi Pengangkutan Perdagangan (Commercial Transport Operations)		
L5	P-200-5 Pengurus Operasi Pengangkutan Perdagangan Commercial Transport Operations Manager (30-05-2002)		Belum ada (Not Available)
L4	P-200-4 Eksekutif Operasi Pengangkutan Perdagangan Commercial Transport Operations Executive (30-05-2002)		
L3	P-200-3 Penyelia Operasi Pengangkutan Perdagangan Commercial Transport Operations Supervisor (30-05-2002)		
L2	P-201-2 Pembantu Perkhidmatan Pelanggan Customer Service Assistant (30-05-2002)	P-200-2 Pembantu Penguatkuasa Enforcement Assistant (30-05-2002)	P-210-2 Pemandu Kenderaan Perdagangan Commercial Vehicle Driver (08-01-2008)
L1	Tiada Tahap (No Level)		

	<b>Penyemburan Cat Automotif (Automotive Spray Painting)</b>	<b>Pembaik Kenderaan Kemalangan(Accident Vehicle Rep</b>	<b>Pengetuk Panel Kenderaan (Automotive Panel Beating)</b>	<b>Penyenggaraan Kelengkapan Tolak Tanah (Earth Moving Equipment Servicing)</b>	<b>Penyenggaraan Motosikal (Motorcycle Servicing)</b>
<b>L5</b>	<b>TP-300-5</b> Pengurus Automotif-Servis Selepas Jualan <i>Automotive-After Sales Service Manager</i> (20-06-97) (17-07-2012)				
<b>L4</b>	<b>TP-300-4</b> Eksekutif Automotif-Servis Selepas Jualan <i>Automotive-After Sales Service Executive</i> (20-06-97) (17-07-2012)				
<b>L3</b>	<b>TP-306-3:2012@</b> Penyemburan Cat Automotif <i>Automotive Spray Painting</i> (12-04-96) (05-04-2012)	<b>TP-110-3</b> Penasihat Tuntutan Kenderaan Kemalangan <i>Accident Vehicle Repair Claim Advisor</i> (25-10-10)	<b>P-091-3@</b> Penyelia Pengetuk Panel Kenderaan <i>Automotive Panel Beating Supervisor</i> (20-06-97) (30-05-2002)	<b>TP-100-3</b> Juruteknik Kanan Kelengkapan Tolak Tanah <i>Earth Moving Equipment Senior Technician</i> (19-12-94) (25-10-10)	<b>TP-118-3:2012@</b> Servis & Penyelenggaraan Motosikal <i>Motorcycle Servicing &amp; Maintenance</i> (19-07-96) (30-05-2002) (05-04-2012)
<b>L2</b>	<b>TP-306-2:2012</b> Penyemburan Cat Automotif <i>Automotive Spray Painting</i> (12-04-96) (05-04-2012)	<b>P-091-2</b> Pengetuk Panel Kenderaan <i>Automotive Panel Beater</i> (20-06-97) (30-05-2002)		<b>TP-100-2</b> Juruteknik Kelengkapan Tolak Tanah <i>Earth Moving Equipment Technician</i> (19-12-94) (25-10-10)	<b>TP-118-2:2012</b> Servis & Penyelenggaraan Motosikal <i>Motorcycle Servicing &amp; Maintenance</i> (19-07-96) (30-05-2002) (05-04-2012)
<b>L1</b>	<b>TP-306-1:2012</b> Penyemburan Cat Automotif <i>Automotive Spray Painting</i> (12-04-96) (05-04-2012)	<b>P-091-1</b> Pengetuk Panel Kenderaan Rendah <i>Junior Automotive Panel Beater</i> (20-06-97) (30-05-2002)		<b>TP-100-1</b> Mekanik Kelengkapan Tolak Tanah <i>Earth Moving Equipment Mechanic</i> (19-12-94) (25-10-10)	<b>TP-118-1:2012</b> Servis & Penyelenggaraan Motosikal <i>Motorcycle Servicing &amp; Maintenance</i> (19-07-96) (30-05-2002) (05-04-2012)

	<b>Kenderaan Motor Automotif</b> <i>(Automotive Motor Vehicle)</i>
<b>L5</b>	<b>TP-305-5:2012</b> Pengurusan Kenderaan <i>Vehicle Inspection Management</i> (05-04-2012)
<b>L4</b>	<b>TP-305-4:2012</b> Pengurusan Kenderaan <i>Vehicle Inspection Management</i> (05-04-2012)
<b>L3</b>	<b>Tiada Tahap</b> <i>(No Level)</i>
<b>L2</b>	<b>Tiada Tahap</b> <i>(No Level)</i>
<b>L1</b>	<b>Tiada Tahap</b> <i>(No Level)</i>

	<b>Pemulihan Motor</b> <i>(Motor Recovery)</i>	<b>Penyenggaraan Jentera Pertanian</b> <i>(Agricultural Machinery Servicing)</i>
<b>L5</b>	<b>TP-300-5</b> Pengurus Automotif-Servis Selepas Jualan <i>Automotive-After Sales Service Manager</i> (20-06-97) (17-07-2012)	
<b>L4</b>	<b>TP-300-4</b> Eksekutif Automotif -ervis Selepas Jualan <i>Automotive-After Sales Service Executive</i> (20-06-97) (17-07-2012)	
<b>L3</b>	<b>TP-413-3</b> Penyelia Kembalik <i>Recovery Supervisor</i> (25-10-10)	<b>TP-600-3</b> Juruteknik Kanan Jentera Pertanian <i>Agricultural Machinery Technician</i> (28-11-95) (25-10-10)
<b>L2</b>	<b>TP-413-2</b> Juruteknik Kembalik <i>Recovery Technician</i> (25-10-10)	<b>TP-600-2</b> Juruteknik Jentera Pertanian <i>Agricultural Machinery Mechanic</i> (28-11-95) (25-10-10)
<b>L1</b>	<b>TP-413-1</b> Operator Kembalik <i>Recovery Operator</i> (25-10-10)	<b>TP-600-1</b> Mekanik Jentera Pertanian <i>Agricultural Machinery Mechanic</i> (28-11-95) (25-10-10)

<b>*Kendaraan Bermotor Automotif (Automotive Motor Vehicle)</b>					
<b>L4/L5</b>	<b>AT13</b> Pengurusan Bengkel Gegas Automotif <i>Automotive Fitting Workshop Management</i> (23-6-09)	<b>Belum ada (Not Available)</b>	<b>Belum ada (Not Available)</b>	<b>AT08</b> Pengurusan Bengkel Pelanggaran Automotif <i>Automotive Collision Workshop Management</i> (23-6-09)	<b>Belum ada (Not Available)</b>
<b>L3</b>	<b>AT12</b> Operasi Gegas Automotif <i>Automotive Fitting Operation</i> (23-6-09)	<b>AT11</b> Jualan Automotif <i>Automobile Sales</i> (23-6-09)	<b>AT04</b> Pemeriksa Kenderaan <i>Vehicle Examiner</i> (23-6-09)	<b>AT05</b> Operasi Pembaikan Badan Automotif Kemalangan <i>Automotive Collision Body Works Operations</i> (23-6-09)	<b>AT06</b> Operasi Mengecat Automotif Kemalangan <i>Automotive Collision Refinishing Operations</i> (23-6-09)

#### 5.4) SUB SEKTOR: PEMASANGAN KENDERAAN BERMOTOR (*MOTOR VEHICLE ASSEMBLY*)

	<b>Pembentukan Kerangka Badan (Body Frame Fabrication)</b>	<b>Pemasangan Aksesori Automatif (Automotive Accessories Assembling)</b>	<b>Perapian Kerangka Badan (Body Frame Trimming)</b>
<b>L5</b>	<b>TP-410-5</b> Pengurus Pemasangan Automotif <i>Automotive Assembly Manager</i> (25-10-10)		
<b>L4</b>	<b>TP-410-4</b> Eksekutif Pemasangan Automotif <i>Automotive Assembly Executive</i> (25-10-10)		
<b>L3</b>	<b>TP-030-3</b> Penyelia Kerangka Badan <i>Passenger Vehicle Body Frame Supervisor</i> (30-09-97) (24-03-09)	<b>P-092-3</b> Penyelia Aksesori Automatif <i>Automotive Accessories Supervisor</i> (11-04-2002)	<b>TP-031-3</b> Penyelia Perapian Badan Kenderaan Penumpang <i>Passenger Vehicle Body Trim Supervisor</i> (30-09-97) (24-03-09)
<b>L2</b>	<b>TP-030-2</b> Pemasang Kerangka Badan <i>Passenger Vehicle Body Frame Senior Operator</i> (30-09-97) (24-03-09)	<b>P-092-2</b> Pemasang Aksesori Kanan Automatif <i>Automotive Accessories Senior Assembler</i> (11-04-2002)	<b>TP-031-2</b> Operator Kanan Perapian Badan Kenderaan Penumpang <i>Passenger Vehicle Body Trim Senior Operator</i> (30-09-97) (24-03-09)
<b>L1</b>	<b>TP-030-1</b> Jurubentuk Kerangka Badan <i>Passenger Vehicle Body Frame Operator</i> (30-09-97) (24-03-09)	<b>P-092-1</b> Pemasang Aksesori Automatif <i>Automotive Accessories Assembler</i> (11-04-2002)	<b>TP-031-1</b> Operator Perapian Badan Kenderaan Penumpang <i>Passenger Vehicle Body Trim Operator</i> (30-09-97) (24-03-09)

	<b>Penyemburan Cat (Spray Painting)</b>	<b>Pemasang Trim &amp; Final Line (Trim &amp; Final Line Assembling)</b>	<b>Pemasangan Enjin (Engine Assembling)</b>	<b>Pengemasan Badan Automobil (Automobile Body Assembling)</b>
<b>L5</b>	<b>TP-410-5</b> Pengurus Pemasangan Automotif <i>Automotive Assembly Manager</i> (25-10-10)			
<b>L4</b>	<b>TP-410-4</b> Eksekutif Pemasangan Automotif <i>Automotive Assembly Executive</i> (25-10-10)			
<b>L3</b>	<b>TP-412-3</b> Penyelia Pemasangan Automobil <i>Automobile Assembly            Supervisor</i> (25-10-96) (25-10-10)	<b>TP-410-3</b> Penyelia Pemasang Trim & Final Line <i>Automobile Trim &amp; Final Line            Supervisor</i> (25-10-10)	Belum ada <i>(Not Available)</i>	<b>TP-411-3</b> Penyelia Pengemasan Badan Automobil <i>Automobile Body Assembly            Supervisor</i> (25-10-10)
<b>L2</b>	<b>TP-412-2</b> Penyembur Cat Automobil <i>Automobile Painting Senior            Operator</i> (25-10-96) (25-10-10)	<b>TP-410-2</b> Pemasang Trim & Final Line <i>Automobile Trim &amp; Final Line            Senior Operator</i> (25-10-10)	<b>P-073-2</b> Pemasang Enjin Automobil <i>Automobile Engine            Assembler</i> (25-10-96)	<b>TP-411-2</b> <i>Operator Kanan Pengemasan            Badan Automobil            Automobile Body Assembly            Senior Operator</i> (25-10-10)
<b>L1</b>	<b>TP-412-1</b> Pekerja Cat Automobil <i>Automobile Painting            Operator</i> (25-10-96) (25-10-10)	<b>TP-410-1</b> Pemasang Trim & Final Line <i>Automobile Trim &amp; Final Line            Operator</i> (25-10-10)	Tiada Tahap <i>(No Level)</i>	<b>TP-411-1</b> Operator Pengemasan Badan Automobil <i>Automobile Body Assembly            Operator</i> (25-10-10)

### 5.5) SUB SEKTOR: PEMASANGAN MOTOSIKAL (*MOTORCYCLE ASSEMBLY*)

	<b>Pemasangan Badan Motosikal (<i>Motorcycle Body Assembling</i>)</b>	<b>Pemeriksaan Akhir Motosikal (<i>Motorcycle Final Inspection</i>)</b>	<b>Pemasangan Enjin Motosikal (<i>Motorcycle Engine Assembling</i>)</b>	<b>Saduran Motosikal (<i>Motorcycle Plating</i>)</b>	<b>Pengecatan Motosikal (<i>Motorcycle Painting</i>)</b>	<b>Fabrikator (Kimpalan) Motosikal (<i>Motorcycle Fabricator (Welding)</i>)</b>
<b>L5</b>	<b>TP-410-5</b> Pengurus Pemasangan Automotif <i>Automotive Assembly Manager</i> (25-10-10)					
<b>L4</b>	<b>TP-410-4</b> Eksekutif Pemasangan Automotif <i>Automotive Assembly Executive</i> (25-10-10)					
<b>L3</b>	<b>TP-510-3</b> Penyelia Pemasangan Badan Motosikal <i>Motorcycle Body Assembling Supervisor</i> (16-07-98) (25-10-10)	<b>TP-513-3</b> Penyelia Akhir Motosikal <i>Motorcycle Final Supervisor</i> (16-07-98) (25-10-10)	<b>TP-512-3</b> Penyelia Pemasangan Enjin Motosikal <i>Motorcycle Engine Assembling Supervisor</i> (16-07-98) (25-10-10)	<b>TP-511-3</b> Penyelia Menyadur Motosikal <i>Motorcycle Plating Supervisor</i> (16-07-98) (25-10-10)	<b>TP-010-3</b> Penyelia Mengecat Motosikal <i>Motorcycle Painting Supervisor</i> (18-11-08)	<b>TP-500-3</b> Penyelia Fabrikator (Kimpalan) Motosikal <i>Motorcycle Fabricator (Welding) Supervisor</i> (11-04-2002) (25-10-10)
<b>L2</b>	<b>TP-510-2</b> Operator Kanan Pemasang Badan Motosikal <i>Motorcycle Body Assembling Senior Operator</i> (16-07-98) (25-10-10)	<b>TP-513-2</b> Inspektor Akhir Motosikal <i>Motorcycle Final Inspector</i> (16-07-98) (25-10-10)	<b>TP-512-2</b> Operator Kanan Pemasangan Enjin Motosikal <i>Motorcycle Engine Assembling Senior Operator</i> (16-07-98) (25-10-10)	<b>TP-511-2</b> Operator Menyadur Motosikal Kanan <i>Senior Motorcycle Plating Operator</i> (16-07-98) (25-10-10)	<b>TP-010-2</b> Operator Kanan Mengecat Motosikal <i>Motorcycle Painting Senior Operator</i> (18-11-08)	<b>TP-500-2</b> Fabrikator Kanan (Kimpalan) Motosikal <i>(Motorcycle Fabricator (Welding) Senior Operator</i> (11-04-2002) (25-10-10)
<b>L1</b>	<b>TP-510-1</b> Operator Pemasang Badan Motosikal <i>Motorcycle Body Assembling Operator</i> (16-07-98) (25-10-10)	<b>Tiada Tahap (No Level)</b>	<b>TP-512-1</b> Operator Pemasangan Enjin Motosikal <i>Motorcycle Engine Assembling Operator</i> (16-07-98) (25-10-10)	<b>TP-511-1</b> Operator Menyadur Motosikal <i>Motorcycle Plating Operator</i> (26-07-98) (25-10-10)	<b>TP-010-1</b> Operator Mengecat Motosikal <i>Motorcycle Painting Operator</i> (18-11-08)	<b>TP-500-1</b> Fabrikator (Kimpalan) Motosikal <i>Motorcycle Fabricator (Welding) Operator</i> (11-04-2002) (25-10-10)

**5.6) SUB SEKTOR: JENTERA & PENGANGKUTAN DARAT – OPERASI KREN**  
**(MACHINERY & LAND TRANSPORTATION – CRANE)**

	<b>Kren Jambatan (Gantry Crane)</b>	<b>Tayar Getah- Kren Jambatan (Rubber Tyred- Gantry Crane)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>	
<b>L4</b>		
<b>L3</b>	<b>W-011-3</b> Operator Terminal Kanan (Kren Jambatan) <i>Senior Terminal Operator(Gantry Crane)</i> (16-07-98)	<b>W-012-3</b> Operator Terminal Kanan (Rubber Tyred Gantry Crane) <i>Senior Terminal Operator (Rubber Tyred Gantry Crane)</i> (16-07-98)
<b>L2</b>	<b>W-010-2</b> Operator Terminal (Front End Loader & Reach Stacker) <i>Terminal Operator(Front End Loader &amp; Reach Stacker)</i> (16-07-98)	
<b>L1</b>	<b>Tiada Tahap (No Level)</b>	

**5.7) SUB SEKTOR: ANGKASA LEPAS (AEROSPACE)**

-Nil-

**5.8 SUB SEKTOR: INDUSTRI KERETAPI (TRAIN INDUSTRY)**

	<b>Landasan Keretapi (Railway)</b>	
<b>L5</b>	<b>Belum ada (Not Available)</b>	
<b>L4</b>		
<b>L3</b>	<b>TP-700-3</b> Penyelia Laluan Tetap <i>Permanent Way Supervisor</i> (10-12-10)	<b>TP-701-3</b> Penyelia Pengawal Operasi Rel <i>Rail Operations Controller Supervisor</i> (10-12-10)
<b>L2</b>	<b>TP-700-2</b> Inspektor Laluan Tetap <i>Permanent Way Inspector</i> (10-12-10)	<b>TP-701-2</b> Pengawal Operasi Rel <i>Rail Operations Controller</i> (10-12-10)
<b>L1</b>	<b>TP-700-1</b> Trackmen Laluan Tetap <i>Permanent Way Trackmen</i> (10-12-10)	<b>Tiada Tahap (No Level)</b>

	Electrical Multiple Unit (EMU)		Lokomotif (Locomotive)	
L5	TP-710-5:2011 Pengurusan Operasi Tren Train Operation Management (18-11-11)			
L4	TP-710-4:2011 Pengurusan Operasi Tren Train Operation Management (18-11-11)			
L3	TP-710-3 Penyelia Penyelenggaraan EMU EMU Maintenance Supervisor (10-12-10)	TP-711-3 Penyelia Pemandu EMU EMU Driver Supervisor (10-12-10)	TP-720-3 Penyelia Pemandu Lokomotif Locomotive Driver Supervisor (10-12-10)	TP-721-3 Penyelia Lokomotif dan KeretaPenghasil Kuasa Locomotive and Power Generating Car(PGC) Supervisor (10-12-10)
L2	TP-710-2 Juruteknik Kanan EMU EMU Senior Technician (10-12-10)	TP-711-2 Pemandu EMU EMU Driver (10-12-10)	TP-720-2 Pemandu Lokomotif Locomotive Driver (10-12-10)	TP-721-2 Juruteknik Kanan Lokomotif dan KeretaPenghasil Kuasa Locomotive and Power Generating Car(PGC) Senior Technician (10-12-10)
L1	TP-710-1 Juruteknik EMU EMU Technician (10-12-10)	Tiada Tahap (No Level)	TP-720-1 Pembantu Pemandu Lokomotif Assistant Locomotive Driver (10-12-10)	TP-721-1 Juruteknik Lokomotif dan KeretaPenghasil Kuasa Locomotive and Power Generating Car(PGC) Technician (10-12-10)

	<b>Koc &amp; Gerabak (Coach &amp; Wagon)</b>	<b>Isyarat &amp; Sistem Komunikasi (Signal &amp; Communication System)</b>
<b>L5</b>	<b>TP-730-5:2011</b> Pengurusan Koc & Gerabak <i>Coach and Wagon Management</i> (18-11-11)	<b>TP-731-5:2011</b> Pengurusan Isyarat & Komunikasi <i>Signalling and Communication Management</i> (18-11-11)
<b>L4</b>	<b>TP-730-4:2011</b> Pengurusan Koc & Gerabak <i>Coach and Wagon Management</i> (18-11-11)	<b>TP-731-4:2011</b> Pengurusan Isyarat & Komunikasi <i>Signalling and Communication Management</i> (18-11-11)
<b>L3</b>	<b>TP-730-3</b> Penyelia Koc & Gerabak <i>Coach &amp; Wagon Supervisor</i> (10-12-10)	<b>TP-731-3</b> Juruteknik Kanan Isyarat dan Komunikasi <i>Signal and Communication Senior Technician</i> (10-12-10)
<b>L2</b>	<b>TP-730-2</b> Juruteknik Kanan Koc & Gerabak <i>Coach &amp; Wagon Senior Technician</i> (10-12-10)	<b>TP-731-2</b> Juruteknik Isyarat dan Komunikasi <i>Signal and Communication Technician</i> (10-12-10)
<b>L1</b>	<b>TP-730-1</b> Juruteknik Koc & Gerabak <i>Coach &amp; Wagon Technician</i> (10-12-10)	<b>TP-731-1</b> Juruteknik Muda Isyarat dan Komunikasi <i>Signal and Communication Junior Technician</i> (10-12-10)

	<b>Operasi Stesen (Station Operation)</b>	<b>Pengelektrikan Rel (Rail Electrification)</b>	<b>Rolling Stock QAC (Rolling Stock QAC)</b>	<b>Penyelenggaraan Tren Elektrik (Electric Train Maintenance)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>			<b>TP-743-4:2011</b> Penyelenggaraan Tren Elektrik <i>Electric Train Maintenance</i> (18-11-11)
<b>L4</b>				<b>TP-743-4:2011</b> Penyelenggaraan Tren Elektrik <i>Electric Train Maintenance</i> (18-11-11)
<b>L3</b>	<b>TP-740-2:2011</b> Operasi Stesen Tren <i>Train Station Operation</i> (18-11-11)	<b>TP-741-3:2011</b> Sistem Pengelektrikan Rel <i>Rail Electrification System</i> (18-11-11)	<b>TP-742-3:2011</b> <i>Rolling Stock QAC</i> <i>Rolling Stock QAC</i> (18-11-11)	<b>Belum ada (Not Available)</b>
<b>L2</b>	<b>TP-740-2:2011</b> Operasi Stesen Tren <i>Train Station Operation</i> (18-11-11)	<b>TP-741-2:2011</b> Sistem Pengelektrikan Rel <i>Rail Electrification System</i> (18-11-11)	<b>TP-742-2:2011</b> <i>Rolling Stock QAC</i> <i>Rolling Stock QAC</i> (18-11-11)	
<b>L1</b>	<b>TP-740-1:2011</b> Khidmat Pelanggan & Tiket <i>Customer Service and Ticketing</i> (18-11-11)	<b>TP-741-1:2011</b> Sistem Pengelektrikan Rel <i>Rail Electrification System</i> (18-11-11)	<b>Tiada Tahap (No Level)</b>	

## **SEKTOR 6:**

### **MT: BAHAN / MATERIALS**

<b>BIL./ NO.</b>	<b>SUB-SEKTOR/ SUB- SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
6.1	Komposit/ <i>Composite</i>	AC	1	1	1	1	1	5
6.2	Bahan Termaju/ <i>Advanced Material</i>	MT	0	0	0	0	0	0
6.3	Penyaduran/ <i>Electroplating</i>	H	1	1	1	0	0	3
6.4	Seramik/ <i>Ceramik</i>	S	2	2	2	1	1	8
	<b>Jumlah / Total</b>		<b>4</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>16</b>

### 6.1) SUB SEKTOR: KOMPOSIT (*COMPOSITE*)

	<b>Komposit (Composite)</b>
<b>L5</b>	<b>MT-010-5</b> Ahli Teknologi Komposit <i>Composite Technologist</i> (10-12-10)
<b>L4</b>	<b>MT-010-4</b> Penolong Ahli Teknologi Komposit <i>Assistant Composite Technologist</i> (10-12-10)
<b>L3</b>	<b>AC-010-3</b> Juruteknik Komposit <i>Composite Technician</i> (6-3-2007)
<b>L2</b>	<b>AC-010-2</b> Operator Komposit Senior <i>Senior Composite Operator</i> (6-3-2007)
<b>L1</b>	<b>AC-010-1</b> Operator Komposit <i>Composite Operator</i> (6-3-2007)

### 6.2) SUB SEKTOR: BAHAN TERMAJU (*ADVANCED MATERIAL*)

-Nil-

### 6.3) SUB SEKTOR: PENYADURAN (*ELECTROPLATING*)

	<b>Penyaduran Elektrik (Electroplating)</b>
<b>L5</b>	<b>Belum Ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>H-180-3</b> Juruteknik Elektropenyaduran <i>(Electroplating Technician)</i> (20-06-97)
<b>L2</b>	<b>H-180-2</b> Penyadur Elektrik <i>(Electroplater)</i> (20-06-97)
<b>L1</b>	<b>H-180-1</b> Penyadur Elektrik <i>(Electroplater)</i> (20-06-97)

#### 6.4) SUB SEKTOR: SERAMIK (CERAMIC)

	Seramik (Ceramic)	Design	Raw Material	Production	Mould Dept	Decoration & Glazing	Firing
L5	<b>MT-020-5</b> Ahli Teknologi Pengeluaran Seramik Termaju <i>Advanced Ceramic Production Technologist</i> (19-4-2011)	Belum Ada (Not Available)					
L4	<b>MT-020-4</b> Penolong Ahli Teknologi Pengeluaran Seramik Termaju <i>Assistant Advanced Ceramic Production Technologist</i> (19-4-2011)	Belum Ada (Not Available)					
L3	<b>S-026-3</b> Penyelia Pengeluaran Seramik Termaju <i>Advanced Ceramic Production Supervisor</i> (17-12-2005)	<b>MT-021-3</b> Penyelia Pengeluaran Seramik <i>Ceramic Production Supervisor</i> (18-11-11)					
L2	<b>S-026-2</b> Operator Kanan Pengeluaran Seramik Termaju <i>Advanced Ceramic Production Senior Operator</i> (17-12-2005)	<b>MT-021-2</b> Line Leader Pengeluaran Seramik <i>Ceramic Production Line Leader</i> (18-11-11)					
L1	<b>S-026-1</b> Operator Pengeluaran Seramik Termaju <i>Advanced Ceramic Production Operator</i> (17-12-2005)	<b>MT-021-1</b> Operator Pengeluaran Seramik <i>Ceramic Production Operator</i> (18-11-11)					

## SEKTOR 7

### **PG: PEMBUNGKUSAN / PACKAGING**

<b>BIL./ NO.</b>	<b>SUB SEKTOR/ <i>SUB-SECTOR</i></b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
7.1	PEMBUNGKUSAN PLASTIK ( <i>PLASTIC PACKAGING</i> )		0	0	0	0	0	0
7.2	PEMBUNGKUSAN FLEKSIBEL ( <i>FLEXIBLE PACKAGING</i> )		0	0	0	0	0	0
7.3	PEMBUNGKUSAN LOGAM ( <i>METAL PACKAGING</i> )		0	0	0	0	0	0
7.4	PEMBUNGKUSAN KERTAS ( <i>PAPER PACKAGING</i> )		0	0	0	0	0	0
7.5	PEMBUNGKUSAN KACA ( <i>GLASS PACKAGING</i> )		0	0	0	0	0	0
7.6	PEMBUNGKUSAN KAYU ( <i>WOOD PACKAGING</i> )		0	0	0	0	0	0
7.7	REKABENTUK PEMBUNGKUSAN, PERCETAKAN & PEMBANGUNAN ( <i>PACKAGING DESIGN, PRINTING &amp; DEVELOPMENT</i> )		0	0	0	0	0	0
7.8	PEMBUNGKUSAN FARMASEUTIKAL ( <i>PHARMACEUTICAL PACKAGING</i> )		0	0	0	0	0	0
7.9	PEMBUNGKUSAN MAKANAN ( <i>FOOD PACKAGING</i> )		0	0	0	0	0	0
	<b>Jumlah / <i>Total</i></b>		0	0	0	0	0	0

## **SEKTOR 8:**

### **PR: PERCETAKAN / PRINTING**

<b>BIL./ NO.</b>	<b>SUB-SEKTOR/ <i>SUB-SECTOR</i></b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
8.1	Teknologi Pencetakan - Impact/ <i>Impact Printing Technology</i>	F,PR	4	5	5	1	1	15
8.2	Teknologi Pencetakan – Non- Impact/ <i>Non-Impact Printing Technology</i>	F	1	3	3	0	0	7
8.3	Penyelenggaraan Peralatan Percetakan/ <i>Printing Machine Maintenance</i>	F	1	2	2	0	0	5
8.4	Publishing	PR	0	0	1	1	1	3
	<b>Jumlah / Total</b>		5	10	11	2	2	<b>30</b>

### 8.1) SUB SEKTOR: TEKNOLOGI PERCETAKAN – IMPACT (*IMPACT PRINTING TECHNOLOGY*)

	<b>Kerja Percetakan (Process Works)</b>				
<b>L5</b>	<b>PR-020-5</b> Pengurus Pengeluaran Percetakan <i>Printing Production Manager</i> (20-06-97) (25-10-10)				
<b>L4</b>	<b>PR-020-4</b> Penolong Pengurus Pengeluaran Percetakan <i>(Printing Assistant Production Manager)</i> (20-06-97) (25-10-10)				
<b>L3</b>	<b>PR-010-3</b> Penyelia Pra-Cetak <i>Pre Press Supervisor</i> (28-11-95) (08-01-2008)	<b>PR-023-3:2012</b> Pengeluaran Litografi Ofset <i>Offset Lithographic Production</i> (28-11-95) (07-10-99) (19-04-2001) (05-04-2012)	<b>PR-024-3:2012</b> Rekaan Grafik <i>Graphic Design</i> (19-07-96) (19-04-2001) (05-04-2012)	<b>PR-022-3</b> <i>Narrow Web Printing Supervisor</i> (25-10-10)	<b>PR-021-3</b> Penyelia `Post-Press` <i>Post-Press Supervisor</i> (19-07-96) (25-10-10)
<b>L2</b>	<b>PR-010-2</b> Juruteknik Kanan Pra-Cetak <i>Pre Press Senior Technician</i> (28-11-95) (08-01-2008)	<b>PR-023-2:2012</b> Pengeluaran Litografi Ofset <i>Offset Lithographic Production</i> (28-11-95) (07-10-99) (19-04-2001) (05-04-2012)	<b>PR-024-2:2012</b> Desktop Publishing <i>Desktop Publishing</i> (19-07-96) (19-04-2001) (05-04-2012)	<b>PR-022-2</b> <i>Senior Narrow Web Printing Pressman</i> (25-10-10)	<b>PR-021-2</b> Operator `Post-Press` Kanan <i>Senior Post-Press Operator</i> (19-07-96) (25-10-10)
<b>L1</b>	<b>PR-010-1</b> Juruteknik Pra-Cetak <i>Pre Press Technician</i> (28-11-95) (08-01-2008)	<b>Tiada Tahap (No Level)</b>	<b>Tiada Tahap (No Level)</b>	<b>PR-022-1</b> <i>Narrow Web Printing Pressman</i> (25-10-10)	<b>PR-021-1</b> Operator `Post-Press` <i>Post-Press Operator</i> (19-07-96) (25-10-10)

**8.2) SUB SEKTOR: TEKNOLOGI PERCETAKAN – NON-IMPACT (*NON-IMPACT PRINTING TECHNOLOGY*)**

	<b>Percetakan Digital (<i>Digital Printing</i>)</b>		
<b>L5</b>	<b>PR-020-5</b> Pengurus Pengeluaran Percetakan ( <i>Printing Production Manager</i> ) (20-06-97) (25-10-10)		
<b>L4</b>	<b>PR-020-4</b> Penolong Pengurus Pengeluaran Percetakan ( <i>Printing Assistant Production Manager</i> ) (20-06-97) (25-10-10)		
<b>L3</b>	<b>F-070-3</b> Penyelia Percetakan Digital (Pengimejan Terus) <i>Digital Printing Supervisor</i> ( <i>Direct Imaging</i> ) (17-12-2005)	<b>F-090-3</b> Penyelia Percetakan Digital (NIP) <i>Digital Printing Supervisor (NIP)</i> (17-12-2005)	<b>F-100-3</b> Penyelia Corrugated Flexographic <i>Corrugated Flexographic Supervisor</i> (17-12-2005)
<b>L2</b>	<b>F-070-2</b> Operator Percetakan Digital (Pengimejan Terus) <i>Digital Printing Operator</i> ( <i>Direct Imaging</i> ) (17-12-2005)	<b>F-090-2</b> Operator Percetakan Digital (NIP) <i>Digital Printing Operator (NIP)</i> (17-12-2005)	<b>F-100-2</b> <i>Corrugated Flexographic Senior Pressman</i> <i>Corrugated Flexographic Senior Pressman</i> (17-12-2005)
<b>L1</b>	Tiada Tahap ( <i>No Level</i> )		<b>F-100-1</b> <i>Corrugated Flexographic Pressman</i> <i>Corrugated Flexographic Pressman</i> (17-12-2005)

**8.3) SUB SEKTOR: PENYELENGGARAAN PERALATAN PERCETAKAN (*PRINTING MACHINE MAINTENANCE*)**

	Penyelenggaraan Peralatan Percetakan ( <i>Printing Equipment Maintenance</i> )	
L5	Belum ada ( <i>Not Available</i> )	
L4		
L3	<b>F-050-3</b> Juruteknik Percetakan (Mekanikal) <i>Printing Supervisor (Mechanical)</i> (20-06-97)	<b>F-060-3</b> Penyelia Percetakan (Elektrik/Elektronik) <i>Printing Supervisor (Electrical/Electronic)</i> (25-10-96)
L2	<b>F-050-2</b> Juruteknik Percetakan (Mekanikal) <i>Printing Technician (Mechanical)</i> (20-06-97)	<b>F-060-2</b> Juruteknik Percetakan (Elektrik/Elektronik) <i>Printing Technician (Electrical/Electronic)</i> (25-10-96)
L1	<b>F-050-1</b> Juruteknik Percetakan (Mekanikal) <i>Printing Technician (Mechanical)</i> (20-06-97)	Tiada Tahap ( <i>No Level</i> )

#### 8.4) SUB SEKTOR: PUBLISHING (*PUBLISHING*)

	<b>Penerbitan(<i>Publishing</i>)</b>
<b>L5</b>	<b>PR-025-5</b> Editor <i>Editor</i> (17-07-2012)
<b>L4</b>	<b>PR-025-4</b> Pembantu Editor <i>Assistant Editor</i> (17-07-2012)
<b>L3</b>	<b>PR-025-3</b> Pembantu Editorial <i>Editorial Assistant</i> (17-07-2012)
<b>L2</b>	Tiada Tahap <i>(No Level)</i>
<b>L1</b>	Tiada Tahap <i>(No Level)</i>

## **SEKTOR 9:**

### **CM: KIMIA / CHEMICAL**

<b>BIL. NO</b>	<b>SUB-SEKTOR/SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
9.1	Pengurusan Operasi Air / <i>Water Operation Management</i>	RB,CM	1	2	2	2	2	9
9.2	Rawatan Air Kumbahan/ <i>Waste Water Treatment</i>	RB	1	1	1	0	0	3
9.3	Rawatan Kimia/ <i>Chemical Treatment</i>	RB	1	1	1	0	0	3
9.4	<i>Olio Chemical</i>	CM	0	0	0	0	0	0
9.5	<i>Inorganic</i>	CM	0	0	0	0	0	0
9.6	<i>Agrochemical</i>	CM	0	0	0	0	0	0
	<b>Jumlah / Total</b>		3	4	4	2	2	<b>15</b>

### 9.1) SUB SEKTOR: PENGURUSAN OPERASI AIR (*WATER OPERATION MANAGEMENT*)

	<b>Agihan (Distribution)</b>
<b>L5</b>	<b>RB-040-5</b> Eksekutif Operasi Air <i>Water Operation Executive</i> (24-03-09)
<b>L4</b>	<b>RB-040-4</b> Superitendan Operasi Air <i>Water Operation Superintendent</i> (24-03-09)
<b>L3</b>	<b>RB-040-3</b> Juruteknik Kanan Agihan <i>Distribution Senior Technician</i> (24-03-09)
<b>L2</b>	<b>RB-040-2</b> Juruteknik Agihan <i>Distribution Technician</i> (24-03-09)
<b>L1</b>	<b>RB-040-1</b> Fitter <i>Fitter</i> (24-03-09)

	<b>Instrumentasi (Instrumentation)</b>
<b>L5</b>	<b>CM-020-5</b> Pengurus Instrumentasi Agihan Air <i>Water Distribution Instrumentation Manager</i> (01-10-09)
<b>L4</b>	<b>CM-020-4</b> Eksekutif Instrumentasi Agihan Air <i>Water Distribution Instrumentation Executive</i> (01-10-09)
<b>L3</b>	<b>CM-020-3</b> Juruteknik Kanan Instrumentasi Agihan Air <i>Water Distribution Instrumentation Senior Technician</i> (01-10-09)
<b>L2</b>	<b>CM-020-2</b> Juruteknik Instrumentasi Agihan Air <i>Water Distribution Instrumentation Technician</i> (01-10-09)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>

### 9.2) SUB SEKTOR: RAWATAN AIR KUMBAHAN (*WASTE WATER TREATMENT*)

	Rawatan Air Kumbahan ( <i>Waste Water Treatment</i> )
L5	Belum ada ( <i>Not Available</i> )
L4	
L3	<b>RB-030-3</b> Penyelia Rawatan Kumbahan Air <i>Waste Water Treatment Supervisor</i> (24-03-09)
L2	<b>RB-030-2</b> Juruteknik Rawatan Kumbahan Air <i>Waste Water Treatment Technician</i> (24-03-09)
L1	<b>RB-030-1</b> Operator Rawatan Kumbahan Air <i>Waste Water Treatment Operator</i> (24-03-09)

### 9.3) SUB SEKTOR: RAWATAN KIMIA (*CHEMICAL TREATMENT*)

	Rawatan Proses Air ( <i>Water Treatment Process</i> )
L5	Belum ada ( <i>Not Available</i> )
L4	
L3	<b>RB-060-3</b> Juruteknik Kanan Loji Pemprosesan Air ( <i>Water Treatment Plant Senior Technician</i> ) (23-06-09)
L2	<b>RB-060-2</b> Juruteknik Loji Pemprosesan Air ( <i>Water Treatment Plant Technician</i> ) (23-06-09)
L1	<b>RB-060-1</b> Operator Loji Pemprosesan Air ( <i>Water Treatment Plant Operator</i> ) (23-06-09)

### 9.4 )SUB SEKTOR: OLIO CHEMICAL

-Nil-

### 9.5 )SUB SEKTOR: INARGONIC

-Nil-

### 9.6 )SUB SEKTOR: AGROCHEMICAL

-Nil-

### **SEKTOR 10:**

#### **MP: PERUBATAN & FARMASEUTIKAL / MEDICAL & PHARMACEUTICALS**

<b>BIL. NO</b>	<b>SUB-SEKTOR/SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
10.1	Perkhidmatan Perubatan/ <i>Medical Services</i>	MP	1	1	1	0	0	3
10.2	Kosmetologi/ <i>Cosmetology</i>	MP, N	1	1	2	2	2	8
10.3	Perkhidmatan Kejururawatan/ <i>Nursing Services</i>	MP	1	1	1	0	0	3
10.4	Perkhidmatan Sokongan Hospital/Klinikal/ <i>Hospital/Clinical Support Service</i>	MP	3	3	3	0	0	9
10.5	Perkhidmatan Pergigian/ <i>Dental Services</i>	MP	0	0	0	0	0	0
10.6	Kesihatan dan Perkhidmatan Penjagaan Diri/ <i>Alternatif Terapi/ Health and Wellness Services/Alternative Therapy</i>	N,MP	1	2	7	0	0	10
10.7	Kelengkapan Dan Peralatan Perubatan/ <i>Medical Equipment &amp; Devices</i>	MP	0	0	3	2	2	7
10.8	Perubatan Tradisional/ <i>Traditional Medicine</i>	MP	1	1	2	0	0	4
10.9	Pembuatan Produk Farmaseutikal/ <i>Pharmaceutical Product Manufacturing</i>	MP	0	0	0	0	0	0
10.10	Perkhidmatan Diagnosis/ <i>Diagnostic Services</i>	MP	0	0	0	0	0	0
10.11	Perkhidmatan Haiwan/ <i>Veterinary Services</i>	Y	1	1	1	1	1	5
	<b>Jumlah / Total</b>		9	10	20	5	5	<b>49</b>

### 10.1) SUB SEKTOR: PERKHIDMATAN PERUBATAN (*MEDICAL SERVICES*)

	Perubatan Kecemasan-Paramedik( <i>Emergency Medical-Paramedic</i> )
L5	Belum ada ( <i>Not Available</i> )
L4	
L3	<b>MP-011-3</b> Juruteknik Perubatan Kecemasan Pertengahan <i>Emergency Medical Technician Intermediate (EMT-I)</i> (01-10-09)
L2	<b>MP-011-2</b> Juruteknik Perubatan Kecemasan Asas <i>Emergency Medical Technician Basic (EMT-B)</i> (01-10-09)
L1	<b>MP-011-1</b> Juruteknik Perubatan Kecemasan Responder Pertama <i>Emergency Medical Technician First Responder (EMT-FR)</i> (01-10-09)

### 10.2) SUB SEKTOR: KOSMETOLOGI (*COSMETOLOGY*)

	Terapi Kecantikan ( <i>Beauty Therapy</i> )	
L5	<b>MP-060-5</b> Pengurus Estetik <i>Aesthetic Manager</i> (19-07-2001) (19-4-2011)	<b>MP-061-5</b> Pengurus Spa <i>Spa Manager</i> (19-4-2011)
L4	<b>MP-060-4</b> Penolong Pengurus Estetik <i>Aesthetic Assistant Manager</i> (19-07-2001) (19-4-2011)	<b>MP-061-4</b> Penolong Pengurus Spa <i>Spa Assistant Manager</i> (19-4-2011)
L3	<b>MP-060-3</b> Juruterapi Estetik <i>Aesthetic Therapist</i> (30-09-2000) (19-4-2011)	<b>MP-061-3:2012</b> Terapi Spa <i>Spa Therapy</i> (30-10-2007) (17-07-2012)
L2	<b>MP-060-2</b> Juruestetik <i>Aesthetician</i> (19-07-96) (30-09-2000) (19-4-2011)	Tiada Tahap ( <i>No Level</i> )
L1	<b>MP-060-1</b> Jurukecantikan <i>Beautician</i> (28-11-95) (30-09-2000) (19-4-2011)	Tiada Tahap ( <i>No Level</i> )

### 10.3) SUB SEKTOR: PERKHIDMATAN KEJURURAWATAN (*NURSING SERVICES*)

-DIBATALKAN-

**10.4) SUB SEKTOR: PERKHIDMATAN SOKONGAN HOSPITAL/KLINIKAL (HOSPITAL/ CLINICAL SUPPORT SERVICE)**

	<b>Dialisis (Dialysis)</b>	<b>Perbidanan (Midwifery)</b>	<b>Kecemasan (Emergency)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>		
<b>L4</b>			
<b>L3</b>	<b>MP-050-3</b> Penyelia Pembantu Dialisis <i>Dialysis Aide Supervisor</i> (10-12-10)	<b>MP-051-3</b> Penyelia Perbidanan <i>Midwifery Aide Supervisor</i> (10-12-10)	<b>MP-052-3</b> Penyelia Pembantu Kecemasan <i>Emergency Aide Supervisor</i> (10-12-10)
<b>L2</b>	<b>MP-050-2</b> Pembantu Kanan Dialisis <i>Senior Dialysis Aide</i> (10-12-10)	<b>MP-051-2</b> Pembantu Kanan Perbidanan <i>Senior Midwifery Aide</i> (10-12-10)	<b>MP-052-2</b> Pembantu Kanan Kecemasan <i>Senior Emergency Aide</i> (10-12-10)
<b>L1</b>	<b>MP-050-1</b> Pembantu Dialisis <i>Dialysis Aide</i> (10-12-10)	<b>MP-051-1</b> Pembantu Perbidanan <i>Midwifery Aide</i> (10-12-10)	<b>MP-052-1</b> Pembantu Kecemasan <i>Emergency Aide</i> (10-12-10)

**10.5) SUB SEKTOR: PERKHIDMATAN PERGIGIAN (DENTAL SERVICES)**

-Nil-

**10.6) SUB SEKTOR: KESIHATAN DAN PERKHIDMATAN PENJAGAAN DIRI/ALTERNATIF TERAPI (HEALTH AND WELLNESS SERVICES/ ALTERNATIF THERAPY)**

	<b>Terapi Tambahan (Complementary/Alternative Therapy)</b>		
<b>L5</b>	<b>Belum ada (Not Available)</b>		
<b>L4</b>			
<b>L3</b>	<b>MP-080-3:2011</b> Refleksologi Kaki, Tangan dan Telinga <i>Foot, Hand and Ear Reflexology</i> (19-07-2001) (20-11-2011)	<b>MP-081-3:2011</b> Aromaterapi <i>Aromatherapy</i> (19-07-2001) (20-12-2011)	<b>MP-082-3:2011</b> Terapi Urut <i>Massage Therapy</i> (18-07-2002) (20-12-2011)
<b>L2</b>	<b>Tiada Tahap (No Level)</b>		
<b>L1</b>			

	<b>Energy Medicine</b>	
	<b>Aura Metafizik</b>	<b>Colour Vibration Therapy</b>
L5	Belum ada (Not Available)	
L4		
L3	<b>MP-071-3</b> Juruterapi Kanan Aura Metafizik Senior Aura Metafizik Therapist (22-08-11)	<b>MP-070-3</b> Juruterapi Air-Hidro Hydro-Ice Therapist (22-08-11)
L2	<b>MP-071-2</b> Juruterapi Aura Metafizik Aura Metafizik Therapist (22-08-11)	<b>MP-070-2</b> Pembantu Juruterapi Ais-Hidro Assistant Hydro-Ice Therapist (22-08-11)
L1	<b>MP-071-1</b> Pembantu Juruterapi Aura Metafizik Assistant Aura Metafizik Therapist (22-08-11)	Tiada Tahap (No Level)

	<b>Energy Healing</b>	
	<b>Reiki</b>	<b>Qi Gong</b>
L5	Belum ada (Not Available)	
L4		
L3	<b>MP-090-3:2011</b> Terapi Reiki Reiki Therapy (20-12-11)	<b>MP-091-3:2011</b> Terapi Qi Gong Qi Gong Therapy (20-12-11)
L2	Tiada Tahap (No Level)	
L1		

**10.7) SUB SEKTOR: KELENGKAPAN DAN PERALATAN PERUBATAN (MEDICAL EQUIPMENT & DEVICES)**

	<b>Prostesis(Prosthetist)</b>	<b>Ortotik(Orthotist)</b>
L5	<b>MP-041-5</b> Prostetis Prosthetist (25-10-10)	<b>MP-042-5</b> Ortotik (Orthotist (25-10-10)
L4	<b>MP-041-4</b> Ahli Teknologi Prostetik Prosthetics Technologist (25-10-10)	<b>MP-042-4</b> Ahli Teknologi Ortotik Orthotic Technologist (25-10-10)
L3	<b>MP-041-3</b> Juruteknik Prostetik Prosthetics Technician (25-10-10)	<b>MP-042-3</b> Juruteknik Ortotik Orthotic Technician (25-10-10)
L2	Tiada Tahap (No Level)	
L1		

	Ophthalmic Technology
L5	Belum Ada (Not Available)
L4	
L3	MP-100-3:2011 Teknologi Ophthalmic <i>Ophthalmic Technology</i> (20-12-2011)
L2	Tiada Tahap (No Level)
L1	

**10.8) SUB SEKTOR: PERUBATAN TRADISIONAL (TRADITIONAL MEDICINE)**

	Traditional/Complementary Therapy – Crystal Healing
L5	Belum Ada (Not Available)
L4	
L3	MP-030-3 Crystal Healer <i>Crystal Healer</i> (01-10-09)
L2	MP-030-2 Juruterapi Kanan Kristal <i>Senior Crystal Therapist</i> (01-10-09)
L1	MP-030-1 Juruterapi Kristal <i>Crystal Therapist</i> (01-10-09)

	Terapi Bekam (Cupping Therapy)
L5	Belum Ada (Not Available)
L4	
L3	MP-110-3 Terapi Bekam Angin <i>Wind Cupping Therapy</i> (20-12-2011)
L2	Tiada Tahap (No Level)
L1	

**10.9) SUB SEKTOR: PEMBUATAN PRODUK FARMASEUTIKAL (PHARMACEUTICAL PRODUCT MANUFACTURING)**

-Nil-

**10.10) SUB SEKTOR: PERKHIDMATAN DIAGNOSIS (DIAGNOSTIC SERVICES)**

-Nil-

**10.11) SUB SEKTOR: PERKHIDMATAN HAIWAN (*VETERINARY SERVICES*)**

	<b>Perkhidmatan Veterinar (<i>Veterinary Services</i>)</b>
<b>L5</b>	<b>Y-010-5</b> Pengurus Veterinar <i>Veterinary Manager</i> (17-04-2003)
<b>L4</b>	<b>Y-010-4</b> Penolong Pengurus Veterinar <i>Assistant Veterinary Manager</i> (17-04-2003)
<b>L3</b>	<b>Y-010-3</b> Pembantu Veterinar <i>Veterinary Assistant</i> (19-07-01)
<b>L2</b>	<b>Y-010-2</b> Pembantu Rendah Veterinar <i>Junior Veterinary Assistant</i> (19-07-01)
<b>L1</b>	<b>Y-010-1</b> Pekerja Veterinar <i>Veterinary Hands</i> (19-07-01)

## **SEKTOR 11**

### **HT: HOSPITALITI & PELANCONGAN / HOSPITALITY & TOURISM**

<b>Bil./ No</b>	<b>Sub-Sektor/ <i>Sub-Sector</i></b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
11.1	Ejen Pelancongan/ <i>Travel Agent</i>	HT,L	3	4	4	2	2	15
11.2	Taman Tema/ <i>Theme Park</i>	L	2	2	2	1	1	8
11.3	Rekreasi/ <i>Recreation</i>	U,HT, AF	6	10	13	5	5	39
11.4	Kemudahan Penginapan/ <i>Accommodation</i>	HT	0	1	1	0	0	2
11.5	Makanan & Minuman/ <i>Food &amp; Beverages</i>	HT	1	2	2	1	1	7
11.6	Pengemasan/ <i>Housekeeping</i>	HT	3	4	4	1	1	13
11.7	Kaunter Hadapan/ <i>Front Office</i>	L	0	0	1	2	1	4
11.8	Dapur/ <i>Kitchen</i>	L,HT	1	4	4	1	1	11
11.9	Pemandu Pelancong/ <i>Tourist Guide</i>	HT	1	2	4	0	0	7
11.10	Pengangkutan/ <i>Transportati on</i>	L,HT	2	3	3	1	1	10
11.11	MICE ( <i>Meeting, Incentive, Convention, Exhibition</i> )	HT	1	1	1	0	0	3
11.12	Perkhidmatan Personal/ <i>Personal Services</i>	L,N,HT, PS	1	2	0	1	1	5
	<b>Jumlah / Total</b>		21	35	39	15	14	<b>124</b>

### 11.1) SUB SEKTOR: EJEN PELANCONGAN (TRAVEL AGENT)

	Tempahan & Tiket (Reservation & Ticketing)	Operasi Pelancong Dalam Negeri (Inbound Tour Operations)	Jualan (Sales)	Jualan & Pemasaran- Kapal Persiaran (Sales & Marketing- Cruise Liner)
L5	Belum ada (Not Available)		L-180-5 Pengurus Jualan (Pengembaraan) Sales Manager (Travel) (02-04-98)	HT-080-5 Penolong Jualan & Pemasaran-Kapal Persiaran Assistant Sales & Marketing -Cruise Liner (23-06-2009)
L4			L-180-4 Eksekutif Jualan (Pengembaraan) Sales Executive (Travel) (02-04-98)	HT-080-4 Eksekutif Jualan & Pemasaran-Kapal Persiaran Sales & Marketing Executive -Cruise Liner (23-06-2009)
L3	HT-101-3 Penyelia Tempahan dan Tiketan Reservation and Ticketing Supervisor (28-04-94) (25-10-10)	HT-102-3 Penyelia Operasi Pelancong Dalam Negeri Inbound Tour Operations Supervisor (28-04-94) (25-10-10)	L-180-3 Penyelia Jualan (Pengembaraan) Sales Supervisor (Travel) (02-04-98)	HT-080-3 Pembantu Eksekutif Jualan & Pemasaran- Kapal Persiaran Assistant Sales & Marketing Executive- Cruise Liner (23-06-2009)
L2	HT-101-2 Penyelaras Tempahan dan Tiketan Reservation and Ticketing Coordinator (28-04-94) (25-10-10)	HT-102-2 Penyelaras Operasi Pelancong Dalam Negeri Inbound Tour Operations Coordinator (28-04-94) (25-10-10)	L-180-2 Penyelaras Jualan (Pengembaraan) Sales Coordinator (Travel) (02-04-98)	HT-080-2 Kerani Jualan & Pemasaran-Kapal Persiaran Sales & Marketing Clerk- Cruise Liner (23-06-2009)
L1	HT-101-1 Kerani Tempahan dan Tiketan Reservation and Ticketing Clerk (28-04-94) (25-10-10)	HT-102-1 Kerani Operasi Pelancong Dalam Negeri Inbound Tour Operations Clerk (28-04-94) (25-10-10)	L-180-1 Kerani Jualan (Pengembaraan) (Sales Clerk (Travel)) (02-04-98)	Tiada Tahap (No Level)

### 11.2) SUB SEKTOR: TAMAN TEMA (*THEME PARK*)

	Taman Kering ( <i>Dry Park</i> )	Taman Air ( <i>Water Park</i> )
L5	<b>L-200-5</b> Pengurus Operasi Taman Tema <i>Theme Park Operations Manager</i> (24-09-98)	
L4	<b>L-200-4</b> Eksekutif Operasi Taman Tema <i>Theme Park Operations Executive</i> (24-09-98)	
L3	<b>L-191-3</b> Penyelia Taman Kering <i>Dry Park Supervisor</i> (24-09-98)	<b>L-190-3</b> Penyelia Taman Air <i>Water Park Supervisor</i> (24-09-98)
L2	<b>L-191-2</b> Penolong Penyelia Taman Kering <i>Dry Park Assistant Supervisor</i> (24-09-98)	<b>L-190-2</b> Penolong Penyelia Taman Air <i>Water Park Assistant Supervisor</i> (24-09-98)
L1	<b>L-191-1</b> Atendan Taman Kering <i>Dry Park Attendant</i> (24-09-98)	<b>L-190-1</b> Atendan Taman Air <i>Water Park Attendant</i> (24-09-98)

### 11.3) SUB SEKTOR: REKREASI (*RECREATION*)

	Penyelaman Komersial ( <i>Diving Commercial</i> )		
L5	Belum ada ( <i>Not Available</i> )		
L4			
L3	<b>U-021-3</b> Penyelia Selaman Gas Campuran <i>Surface Supply Mixed-Gas Diving Supervisor</i> (07-10-99)	<b>U-022-3</b> Penyelia Selaman Tepu <i>Saturation Diving Supervisor</i> (07-10-99)	<b>U-023-3</b> Penyelia Selaman Udara Bekalan Permukaan <i>Surface Supply Air Diving Supervisor</i> (07-10-99)
L2	<b>U-021-2</b> Penyelam Gas Campuran <i>Surface Supply Mixed-Gas Diver</i> (07-10-99)	<b>U-022-2</b> Penyelam Tepu <i>Saturation Diver</i> (07-10-99)	<b>U-023-2</b> Penyelam Udara Bekalan Permukaan ( <i>Surface Supply Air Diver</i> (07-10-99)
L1	Tiada Tahap ( <i>No Level</i> )		

	<b>Penyelaman Skuba Rekreasi (Recreational Scuba Diving)</b>	
	<b>Perkhidmatan Kemahiran (Skill Services)</b>	<b>Pembangunan Kemahiran (Skill Development)</b>
<b>L5</b>	<b>U-010-5</b> Pengurus Operasi Selam Skuba Rekreasi <i>Recreational SCUBA Dive Operations Manager</i> (22-04-99)	<b>U-020-5</b> Pengajar Jurulatih Selam Skuba Rekreasi <i>Recreational SCUBA Diving Instructor Trainer</i> (22-04-99)
<b>L4</b>	<b>U-010-4</b> Eksekutif Operasi Selam Skuba Rekreasi <i>Recreational SCUBA Dive Operations Executive</i> (22-04-99)	<b>U-020-4</b> Jurulatih Selam Skuba Rekreasi <i>Recreational SCUBA Diving Instructor</i> (22-04-99)
<b>L3</b>	<b>HT-400-3</b> Pemandu Selam Skuba Rekreasi <i>Recreational SCUBA Dive Guide</i> (22-04-99) (05-04-2012)	<b>U-020-3</b> Ketua Selam Skuba Rekreasi <i>Recreational SCUBA Dive Master</i> (22-04-99)
<b>L2</b>	<b>Tiada Tahap (No Level)</b>	
<b>L1</b>		

	<b>Sukan dan Rekreasi (Golf) Sports and Recreation (Golf)</b>		
	<b>Operasi Golf ( Golf Operations)</b>	<b>Golf and Sports Operation</b>	<b>Golf Course Maintenance</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>	<b>HT-082-5:2011</b> Pengurusan Golf dan Sukan <i>Golf and Sports Management</i> (20-12-2011)	<b>HT-083-5:2011</b> Pengurusan Penyelenggaraan Golf Course <i>Golf Course Maintenance Management</i> (20-12-2011)
<b>L4</b>		<b>HT-082-4:2011</b> Pengurusan Golf dan Sukan <i>Golf and Sports Management</i> (20-12-2011)	<b>HT-083-4:2011</b> Pengurusan Penyelenggaraan Golf Course <i>Golf Course Maintenance Management</i> (20-12-2011)
<b>L3</b>	<b>HT-081-3</b> Ketua Kedi <i>Caddy Supervisor</i> (25-10-10)	<b>HT-082-3:2011</b> Operasi Golf dan Sukan <i>Golf and Sports Operation</i> (20-12-2011)	<b>HT-083-3:2011</b> Operasi Penyelenggaraan Golf Course <i>Golf Course Maintenance Operation</i> (20-12-2011)
<b>L2</b>	<b>HT-081-2</b> Kedi Kanan <i>Senior Caddy</i> (25-10-10)	<b>HT-082-2</b> Buggy Mechanic <i>Buggy Mechanic</i> (05-04-2012)	
<b>L1</b>	<b>HT-081-1</b> Kedi <i>Caddy</i> (25-10-10)	<b>HT-082-1</b> Pembantu Buggy Mechanic <i>Assistant Buggy Mechanic</i> (05-04-2012)	

	<b>Pengurusan Golf Course (<i>Golf Course Management</i>)</b>			
	<b><i>Workshop</i></b>	<b><i>Landscaping</i></b>	<b><i>Golf Course Management</i></b>	<b><i>Irrigation</i></b>
<b>L5</b>	<b>Belum ada (Not Available)</b>			
<b>L4</b>				
<b>L3</b>	<b>Belum ada (Not Available)</b>	<b>HT-085-3</b> Horticulturist <i>Horticulturist</i> (05-04-2012)	<b>HT-084-3</b> Greenkeeper <i>Greenkeeper</i> (05-04-2012)	<b>Belum ada (Not Available)</b>
<b>L2</b>	<b>Belum ada (Not Available)</b>	<b>HT-085-2</b> Pembantu Horticulturist <i>Assistant Horticulturist</i> (05-04-2012)	<b>HT-084-2</b> Pembantu Greenkeeper <i>Assistant Greenkeeper</i> (05-04-2012)	<b>Belum ada (Not Available)</b>
<b>L1</b>	<b>Belum ada (Not Available)</b>	<b>HT-084-1</b> Groundsman <i>Groundsman</i> (05-04-2012)		

	<b><i>Golf Services</i></b>	
<b>L5</b>	<b>Belum ada (Not Available)</b>	<b>HT-087-5</b> Ketua Golf Profesional <i>Head Golf Professional</i> (05-04-2012)
<b>L4</b>	<b>Belum ada (Not Available)</b>	<b>HT-087-4</b> Pengajar Golf Profesional <i>Professional Golf Instructor</i> (05-04-2012)
<b>L3</b>	<b>HT-086-3</b> Penyelia Club Fitter <i>Club Fitter Supervisor</i> (05-04-2012)	<b>Tiada Tahap (No Level)</b>
<b>L2</b>	<b>HT-086-2</b> Club Fitter <i>Club Fitter</i> (05-04-2012)	<b>Tiada Tahap (No Level)</b>
<b>L1</b>	<b>HT-086-1</b> Pembantu Club Fitter <i>Assistant Club Fitter</i> (05-04-2012)	<b>Tiada Tahap (No Level)</b>

	Industri Ekuestrian( <i>Equestrian Industry</i> )	
	Lumba Kuda( <i>Horse Racing</i> )	Ekuestrian( <i>Equestrian</i> )
L5	Belum ada ( <i>Not Available</i> )	
L4		
L3	AF-040-3 <i>Stable Supervisor</i> <i>Stable Supervisor</i> (22-11-2007)	HT-300-3 Pentadbir Kanan Ekuin <i>Senior Equine Administrator</i> (25-10-10)
L2	AF-040-2 <i>Senior Stablehand</i> <i>Senior Stablehand</i> (22-11-2007)	HT-300-2 Jururias Kanan <i>Senior Groom</i> (25-10-10)
L1	AF-040-1 <i>Stablehand</i> <i>Stablehand</i> (22-11-2007)	HT-300-1 Jururias Muda <i>Junior Groom</i> (25-10-10)

#### 11.4) SUB SEKTOR: KEMUDAHAN PENGINAPAN (*ACCOMODATION*)

	Homestay ( <i>Homestay</i> )	
L5	Belum ada ( <i>Not Available</i> )	
L4		
L3	HT-040-3 Koordinator Homestay <i>Homestay Coordinator</i> (24-03-09)	
L2	HT-040-2 Operator Homestay <i>Homestay Operator</i> (24-03-09)	
L1	Tiada Tahap ( <i>No Level</i> )	

### 11.5) SUB SEKTOR: MAKANAN DAN MINUMAN (*FOOD & BEVERAGES*)

	<b>Makanan &amp; Minuman</b> <i>(Food &amp; Beverages)</i>	<b>Perkhidmatan Restoran</b> <i>(Restaurant Services)</i>
<b>L5</b>	<b>HT-010-5</b> Pengurus Makanan & Minuman <i>Food &amp; Beverage Manager</i> (02-04-98) (25-10-10)	<b>Belum ada</b> <i>(Not Available)</i>
<b>L4</b>	<b>HT-010-4</b> Pengurus Bahagian Makanan & Minuman <i>Food &amp; Beverage Outlet Manager</i> (02-04-98) (25-10-10)	
<b>L3</b>	<b>HT-010-3</b> Penyelia Makanan & Minuman <i>Food &amp; Beverage Supervisor</i> (28-04-94) (08-01-2008)	<b>HT-030-3</b> Bandhari Restoran India <i>Indian Restaurant Bandhari</i> (18-11-08)
<b>L2</b>	<b>HT-010-2</b> Kaptan Makanan & Minuman <i>Food and Beverage Captain</i> (28-04-94) (08-01-2008)	<b>HT-030-2</b> Pembantu Operasi Restoran India <i>Indian Restaurant Operations Assistant</i> (18-11-08)
<b>L1</b>	<b>HT-010-1</b> Pramusaji <i>Food &amp; Beverage Waiter</i> (28-04-94) (08-01-2008)	<b>Tiada Tahap</b> <i>(No Level)</i>

### 11.6) SUB SEKTOR: PENGEMASAN (*HOUSEKEEPING*)

	<b>Servis Pembersihan- Pembersihan Am</b> <i>Cleaning Services- General Cleaning</i>
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>
<b>L4</b>	
<b>L3</b>	<b>HT-070-3</b> Penyelia Hygiene <i>Hygiene Supervisor</i> (23-06-2009)
<b>L2</b>	<b>HT-070-2</b> Operator Kanan Hygiene <i>Hygiene Senior Operator</i> (23-06-2009)
<b>L1</b>	<b>HT-070-1</b> Operator Hygiene <i>Hygiene Operator</i> (23-06-2009)

	<b>Perhotelan-Pengemasan (Hotel Housekeeping)</b>		
<b>L5</b>	<b>HT-050-5:2011</b> Pengurusan Pengemasan <i>Housekeeping Management</i> (19-07-96) (20-12-2011)		
<b>L4</b>	<b>HT-050-4:2011</b> Pengurusan Pengemasan <i>Housekeeping Management</i> (19-07-96) (20-12-2011)		
<b>L3</b>	<b>HT-050-3</b> Penyelia Pengemasan <i>Housekeeping Supervisor</i> (28-11-95) (24-03-09)	<b>HT-051-3</b> Penyelia Kawasan Awam <i>Public Area Supervisor</i> (28-11-95) (24-03-09)	<b>HT-052-3</b> Penyelia Linen <i>Linen Supervisor</i> (28-11-95) (24-03-09)
<b>L2</b>	<b>HT-050-2</b> Senior Chambermaid <i>Senior Chambermaid</i> (28-11-95) (24-03-09)	<b>HT-051-2</b> Atendan Kanan Kawasan Awam <i>Senior Public Attendant</i> (28-11-95) (24-03-09)	<b>HT-052-2</b> Pembantu Linen <i>Linen Maid</i> (28-11-95) (24-03-09)
<b>L1</b>	<b>HT-050-1</b> Chambermaid <i>Chambermaid</i> (28-11-95) (24-03-09)	<b>HT-051-1</b> Atendan Kawasan Awam <i>Public Area Attendant</i> (28-11-95) (24-03-09)	<b>Tiada Tahap (No Level)</b>

**11.7) SUB SEKTOR: KAUNTER HADAPAN (FRONT OFFICE)**

	<b>Kaunter Hadapan (Front Office)</b>	
<b>L5</b>	<b>L-160-5</b> Pengurus Kaunter Hadapan <i>Front Office Manager</i> (25-10-96)	<b>Belum ada (Not Available)</b>
<b>L4</b>	<b>L-160-4</b> Pengurus Bertugas Kaunter Hadapan <i>Front Office Duty Manager</i> (25-10-96)	<b>L-203-4</b> <i>Chef Concierge</i> (06-07-2000)
<b>L3</b>	<b>HT-110-3: 2011</b> Operasi Khidmat Tetamu <i>Guest Service Operation</i> (25-10-96) (20-12-2011)	
<b>L2</b>	<b>Tiada Tahap (No Level)</b>	
<b>L1</b>		

### 11.8) SUB SEKTOR: DAPUR (KITCHEN)

	Masakan (Cooking)	Pastri (Pastry)	Pembakar Roti (Bakery)	(Butchering)
L5	<b>HT-012-5:2011</b> Perkhidmatan Penyediaan dan Pembuatan Makanan <i>Food Preparation and Production Service</i> (02-04-98) (20-12-2011)	Belum ada (Not Available)		Belum ada (Not Available)
L4	<b>HT-012-4:2011</b> Perkhidmatan Penyediaan dan Pembuatan Makanan <i>Food Preparation and Production Service</i> (02-04-98) (20-12-2011)			
L3	<b>L-041-3</b> Penyelia/Ketua Seksyen Penyediaan Makanan <i>Chef De Partie</i> (19-12-94) (30-10-07)	<b>HT-014-3:2011</b> Pembuatan Pastri <i>Pastry Production</i> (28-11-95) (20-12-2011)	<b>HT-013-3:2011</b> Pembuatan Roti <i>Bakery Production</i> (28-11-95) (20-12-2011)	<b>HT-011-3</b> Pemotong Daging <i>Senior Butcher</i> (23-06-2009)
L2	<b>L-041-2</b> Penyedia Makanan <i>Demi Chef</i> (19-12-94) (30-10-07)	<b>HT-014-2:2011</b> Pembuatan Pastri <i>Pastry Production</i> (28-11-95) (20-12-2011)	<b>HT-013-2:2011</b> Pembuatan Roti <i>Bakery Production</i> (28-11-95) (20-12-2011)	<b>HT-011-2</b> Pemotong Daging <i>Junior Butcher</i> (23-06-2009)
L1	<b>L-041-1</b> Pembantu Penyedia Makanan <i>Commis</i> (19-12-94) (30-10-07)	Tiada Tahap (No Level)		

### 11.9) SUB SEKTOR: PEMANDU PELANCONG (*TOURIST GUIDE*)

	Pemandu Pelancong (Tourist Guide)			Ketua Rombongan Pelancong (Tour Leader)	Operasi Pelancongan Keluar Negeri (Outbound Tour Operations)
L5	Belum Ada (Not Available)				
L4					
L3	Belum Ada (Not Available)	HT-023-3 :2012 Pemandu Pelancong Tourist Guide (City Guide) (10-04-95) (23-06-2009) (05-04-2012)	HT-025-3 Pemandu Pelancong Alam Semulajadi Nature Guide (07-10-99) (25-10-10)	HT-024-3 Ketua Rombongan Pelancong Tour Leader (10-04-95) (23-06-2009)	HT-022-3 Penyelia Operasi Pelancong Keluar Negeri Outbound Tour Operation Supervisor (10-04-95) (23-06-2009)
L2	HT-021-2 Pemandu Pelancong Alam Semulajadi Setempat Localise Nature Guid) (07-10-99) (23-06-2009)	Tiada Tahap (No Level)			HT-022-2 Penyelaras Operasi Pelancong Keluar Negeri Outbound Tour Operation Coordinator (10-04-95) (23-06-2009)
L1	Tiada Tahap (No Level)				HT-022-1 Kerani Operasi Pelancong Keluar Negeri Outbound Tour Operation Clerk (10-04-95) (23-06-2009)

### 11.10) SUB SEKTOR: PENGANGKUTAN (TRANSPORTATION)

	Penyewaan Kereta (Car Rental)	Pengangkutan Pelancongan (Transportation Tourism)	
L5	<b>L-170-5</b> Pengurus Operasi Penyewaan Kereta <i>Car Rental Operations Manager</i> (20-06-97)	Belum ada (Not Available)	
L4	<b>L-170-4</b> Pengurus Stesen Penyewaan Kereta <i>Car Rental Station Manager</i> (20-06-97)		
L3	<b>L-170-3</b> Penyelia Stesen Penyewaan Kereta <i>Car Rental Station Supervisor</i> (12-04-96)	<b>HT-060-3</b> Penyelia Pengangkutan Pelancongan <i>Tourism Transportation Supervisor</i> (03-07-95) (23-06-2009)	Belum Ada (Not Available)
L2	<b>L-170-2</b> Pegawai Operasi Penyewaan Kereta <i>Car Rental Operations Officer</i> (12-04-96)	<b>HT-060-2</b> Koordinator Pengangkutan Pelancongan <i>Tourism Transportation Coordinator</i> (03-07-95) (23-06-2009)	<b>HT-061-2</b> Pemandu Kenderaan Pelancong <i>Tour Vehicle Driver</i> (03-07-95) (23-06-2009)
L1	<b>L-170-1</b> Pembantu Penyewaan Kereta <i>Car Rental Assistant</i> (12-04-96)	<b>HT-060-1</b> Kerani Pengangkutan Pelancongan <i>Tourism Transportation Clerk</i> (03-07-95) (23-06-2009)	Tiada Tahap (No Level)

	Rekreasi Air (Water Recreation)
L5	Belum ada (Not Available)
L4	
L3	<b>HT-062-3:2012</b> Operasi Pengemudian Rekreasi Air <i>Water Recreation Navigation Operation</i> (17-07-2012)
L2	Tiada Tahap (No Level)
L1	Tiada Tahap (No Level)

**11.11) SUB SEKTOR: MICE (*Meeting, Incentive, Convention, Exhibition*)**

	<b>Operasi Konvensyen</b> (Convention Operations)
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>
<b>L4</b>	
<b>L3</b>	<b>HT-200-3</b> Penyelia MICE <i>MICE Supervisor</i> (25-10-10)
<b>L2</b>	<b>HT-200-2</b> Koordinator MICE <i>MICE Coordinator</i> (25-10-10)
<b>L1</b>	<b>HT-200-1</b> Kerani MICE <i>MICE Clerk</i> (25-10-10)

**11.12) SUB SEKTOR: PERKHIDMATAN PERSONAL (*PERSONAL SERVICES*)**

	<b>Rekaan Rambut</b> <i>(Hairstyle)</i>	<b>Pengguntingan Rambut</b> <i>(Barbering)</i>
<b>L5</b>	<b>HT-090-5</b> Pengurus Pendandan Rambut <i>Hairdresser Manager</i> (19-10-2004) (23-06-2009)	
<b>L4</b>	<b>HT-090-4</b> Penolong Pengurus Pendandan Rambut <i>Hairdresser Assistant Manager</i> (19-10-2004) (23-06-2009)	
<b>L3</b>	<b>N-022-3</b> Pendandan Rambut Kanan <i>Senior Hairdresser</i> (12-04-96) (10-10-2002) (30-10-2007)	
<b>L2</b>	<b>N-022-2</b> Pendandan Rambut <i>Hairdresser</i> (12-04-96) (10-10-2002) (30-10-2007)	<b>HT-091-2</b> Tukang Gunting Rambut <i>Barber</i> (25-10-10)
<b>L1</b>	<b>N-022-1</b> Pendandan Rambut Muda <i>Junior Hairdresser</i> (12-04-96) (10-10-2002) (30-10-2007)	<b>Tiada Tahap</b> <i>(No Level)</i>

## **SEKTOR 12**

### **SS: CENDERAHATI & INDUSTRI KECIL / SOUVENIR & SMALL ENTERPRISE**

<b>Bil./ No.</b>	<b>Sub-Sektor/ <i>Sub-Sector</i></b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
12.1	Kraftangan/ <i>Handicraft</i>	S,SS	14	16	16	4	2	52
12.2	Gubahan Bunga/ <i>Flower Decoration</i>	AB	1	1	1	0	0	3
	<b>Jumlah / <i>Total</i></b>		15	17	17	4	2	<b>55</b>

### 12.1) SUB SEKTOR: KRAFTANGAN (*HANDICRAFT*)

	<b>Songket &amp; Daster( <i>Songket &amp; Daster</i>)</b>	<b>Pua(<i>Pua</i>)</b>	<b>Tapestri(<i>Tapestry</i>)</b>
<b>L5</b>	<b>SS-142-5</b> Pengurus Industri Tenunan <i>Weaving Industry Manager</i> (8-07-99) (23-06-2009)		
<b>L4</b>	<b>SS-142-4</b> <i>Eksekutif Industri Tenunan</i> <i>Weaving Industry Executive</i> (8-07-99) (23-06-2009)		<b>SS-140-4</b> Pereka Tenunan <i>Weaving Designer</i> (19-07-2001) (23-06-2009)
<b>L3</b>	<b>SS-142-3</b> Penyelia Songket & Daster <i>Senior Weaver Songket &amp; Daster</i> (24-09-98) (23-06-2009)	<b>SS-141-3</b> <i>Penyelia Tenunan Pua</i> <i>Pua Weaving Supervisor</i> (24-09-98) (23-06-2009)	<b>SS-140-3</b> Penyelia Tenunan Tapestri <i>Tapestry Weaving Supervisor</i> (17-12-98) (23-06-2009)
<b>L2</b>	<b>SS-142-2</b> <i>Penenun Kanan Songket &amp; Daster</i> <i>Senior Weaver Songket &amp; Daster</i> (24-09-98) (23-06-2009)	<b>SS-141-2</b> <i>Penenun Pua Kanan</i> <i>Senior Pua Weaver</i> (24-09-98) (23-06-2009)	<b>SS-140-2</b> Penenun Kanan Tapestri <i>Senior Tapestry Weaver</i> (17-12-98) (23-06-2009)
<b>L1</b>	<b>SS-142-1</b> <i>Penenun Songket &amp; Daster</i> <i>Weaver Songket &amp; Daster</i> (24-09-98) (23-06-2009)	<b>Tiada Tahap</b> <i>(No Level)</i>	<b>SS-140-1</b> Penenun Tapestri <i>Tapestry Weaver</i> (17-12-98) (23-06-2009)

	<b>Batik Terap(<i>Stamped Batik</i>)</b>	<b>Batik Skrin (<i>Screen Batik</i>)</b>	<b>Batik Lukis (<i>Hand-Drawn Batik</i>)</b>
<b>L5</b>	<b>SS-130-5</b> Pengurus Pengeluaran Batik <i>Batik Production Manager</i> (18-11-08)		
<b>L4</b>	<b>SS-110-4</b> Eksekutif Pengeluaran Batik <i>Batik Production Executive</i> (08-07-99) (18-11-08)		<b>SS-120-4</b> Pereka Batik <i>Batik Designer</i> (19-07-01) (18-11-08)
<b>L3</b>	<b>SS-080-3</b> Penyelia Batik Terap <i>Stamped Batik Supervisor</i> (08-07-99) (18-11-08)	<b>SS-090-3</b> Penyelia Batik Skrin <i>Screen Batik Supervisor</i> (08-07-99) (18-11-08)	<b>SS-100-3</b> Penyelia Batik Lukis <i>Hand-Drawn Batik Artist</i> <i>Supervisor</i> (17-12-98) (18-11-08)
<b>L2</b>	<b>SS-080-2</b> Jurubatik Terap Kanan <i>Senior Stamped Batik Maker</i> (08-07-99) (18-11-08)	<b>SS-090-2</b> Jurubatik Skrin Kanan <i>Senior Screen Batik Maker</i> (08-07-99) (18-11-08)	<b>SS-100-2</b> Jurubatik Lukis Kanan <i>Senior Hand-Drawn Batik Artist</i> (17-12-98), (18-11-08)
<b>L1</b>	<b>SS-080-1</b> Jurubatik Terap <i>Stamped Batik Maker</i> (08-07-99) (18-11-08)	<b>SS-090-1</b> Jurubatik Skrin <i>Screen Batik Maker</i> (08-07-99) (18-11-08)	<b>SS-100-1</b> Jurubatik Lukis <i>Hand-Drawn Batik Artist</i> (17-12-98) (18-11-08)

	Ukiran Kayu( <i>Wood Carving</i> )	Ukiran Logam (Barangan Kasar) ( <i>Metal Smithing</i> )	Ukiran Logam (Barangan Kemas) ( <i>Jewelry Crafting</i> )	Pewter ( <i>Pewter</i> )
L5	Belum Ada ( <i>Not Available</i> )			
L4				
L3	<b>S-020-3</b> Penyelia Ukiran Kayu <i>Wood Carver Supervisor</i> (27-02-2003)	<b>S-021-3</b> Penyelia Ukiran Barangan Kasar Logam <i>Metal Smithing Supervisor</i> (27-02-2003)	<b>S-022-3</b> Penyelia Barangan Kemas <i>Jewelry Supervisor</i> (27-02-2003)	<b>SS-070-3</b> Pereka Pewter <i>Pewter Designer</i> (18-11-08)
L2	<b>S-020-2</b> Juru Ukir Kayu Kanan <i>Senior Wood Carver</i> (27-02-2003)	<b>S-021-2</b> Jurukraf Barangan Kasar Logam Kanan <i>Senior Metal Smithing Craft Man</i> (27-02-2003)	<b>S-022-2</b> Jurukraf Barangan Kemas Kanan <i>Senior Jewelry Craft Man</i> (27-02-2003)	<b>SS-070-2</b> Pembuat Acuan dan Rekaan Pewter <i>Pewter Pattern and Mould Maker</i> (18-11-08)
L1	<b>S-020-1</b> Juru Ukir Kayu <i>Wood Carver</i> (27-02-2003)	<b>S-021-1</b> Jurukraf Barangan Kasar Logam <i>Metal Smithing Craft Man</i> (27-02-2003)	<b>S-022-1</b> Jurukraf Barangan Kemas <i>Jewelry Craft Man</i> (27-02-2003)	Tiada Tahap ( <i>No Level</i> )

	Kraf Seramik ( <i>Ceramic Craft</i> )		
L5	Belum ada ( <i>Not Available</i> )		
L4			
L3	<b>S-024-3</b> Penyelia Pengeluaran Seramik – “Powder Press” <i>Ceramic Production Supervisor – Powder Press</i> (19-06-2003)	<b>S-025-3</b> Penyelia Pengeluaran Seramik – “Plastic Forming” <i>Ceramic Production Supervisor – Plastic Forming</i> (19-06-2003)	<b>S-023-3</b> Penyelia Pengeluaran Seramik – “Slip Casting” <i>Ceramic Production Supervisor – Slip Casting</i> (19-06-2003)
L2	<b>S-024-2</b> Pembantu Penyelia Pengeluaran Seramik – “Powder Press” <i>Assistant Ceramic Production Supervisor – Powder Press</i> (19-06-2003)	<b>S-025-2</b> Pembantu Penyelia Pengeluaran Seramik – “Plastic Forming” <i>Assistant Ceramic Production Supervisor – Plastic Forming</i> (19-06-2003)	<b>S-023-2</b> Pembantu Penyelia Pengeluaran Seramik – “Slip Casting” <i>Assistant Ceramic Production Supervisor – Slip Casting</i> (19-06-2003)
L1	<b>S-024-1</b> Operator Pengeluaran Seramik – “Powder Press” <i>Ceramic Production Operator – Powder Press</i> (19-06-2003)	<b>S-025-1</b> Operator Pengeluaran Seramik – “Plastic Forming” <i>Ceramic Production Operator – Plastic Forming</i> (19-06-2003)	<b>S-023-1</b> Operator Pengeluaran Seramik – “Slip Casting” <i>Ceramic Production Operator – Slip Casting</i> (19-06-2003)

	<b>Ukiran(Crafter)</b>
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>
<b>L4</b>	
<b>L3</b>	<b>SS-101-3</b> Jurukraf Kanan Rotan <i>(Senior Rattan Crafter</i> (23-06-2009)
<b>L2</b>	<b>SS-101-2</b> Jurukraf Rotan <i>Rattan Crafter</i> (23-06-2009)
<b>L1</b>	<b>SS-101-1</b> Jurukraf Muda Rotan <i>Junior Rattan Crafter</i> (23-06-2009)

	<b>Tukang Perak</b> <i>(Silver Craftman)</i>	<b>Pembuat Acuan (Mould Maker)</b>
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>	
<b>L4</b>		
<b>L3</b>	<b>SS-201-3</b> Tukang Perak Kanan <i>Senior Silver Craftman</i> (25-10-10)	<b>SS-202-3</b> Pembuat Kanan Acuan Kraftangan <i>Senior Souvenir Mould Maker</i> (25-10-10)
<b>L2</b>	<b>SS-201-2</b> Tukang Perak <i>Silver Craftman</i> (25-10-10)	<b>SS-202-2</b> Pembuat Acuan Kraftangan <i>Souvenir Mould Maker</i> (25-10-10)
<b>L1</b>	<b>SS-201-1</b> Pembantu Tukang Perak <i>Assistant Silver Craftman</i> (25-10-10)	<b>SS-202-1</b> Pembantu Pembuat Acuan Kraftangan <i>Assistant Mould Souvenir Maker</i> (25-10-10)

## 12.2) SUB SEKTOR: GUBAHAN BUNGA (*FLOWER DECORATION*)

	<b>Gubahan Bunga</b> <i>(Floral Design)</i>
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>
<b>L4</b>	
<b>L3</b>	<b>AB-010-3</b> Penyelia Penggubah Bunga <i>Florist Supervisor</i> (6-3-2007)
<b>L2</b>	<b>AB-010-2</b> Penggubah Bunga <i>Florist</i> (6-3-2007)
<b>L1</b>	<b>AB-010-1</b> Pembantu Penggubah Bunga <i>Asistant Florist</i> (6-3-2007)

### **SEKTOR 13:**

#### **BC: BANGUNAN DAN PEMBINAAN / BUILDING & CONSTRUCTION**

<b>BIL. NO.</b>	<b>SUB-SEKTOR/ SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
13.1	Kejuruteraan Awam/ <i>Civil Engineering</i>	B,BC,PNS,B ,PWR,PTD, WC,DCG,D CF,SWD,AC V,ACD,AC MV,ACP,V, LIT ,TCJ	29	29	22	3	3	86
13.2	Struktural/ <i>Structural</i>	B,SCF,GLZ, FWA,PLS, PLD,SCT ,STE	10	6	6	0	0	22
13.3	Senibina/ <i>Architectural</i>	B	2	2	2	1	1	8
13.4	<i>Machinery &amp; Plant</i>	BHL,LWH, DZT,GRM, CRS	3	21	3	0	0	27
13.5	Sistem Pembinaan Perindustrian/ <i>Industrialised Building System</i>	LWP,BLK,P CC	3	3	3	0	0	9
13.6	Supervisor Tapak Pembinaan/ <i>Construction Site Supervisor</i>	CVS,ARB,M CE,SID,CSH	1	1	5	3	0	10
<b>Jumlah / Total</b>			<b>48</b>	<b>62</b>	<b>41</b>	<b>7</b>	<b>4</b>	<b>162</b>

**Nota:**

**\*NOSS boleh juga didapati di CIDB – No. Tel: 03-26170200 (\* NOSS also available from CIDB – Tel No: 03-26170200)**

13.1) SUB SEKTOR: KEJURUTERAAN AWAM (CIVIL ENGINEERING)

	<b>Bangunan &amp; Pembinaan (Building &amp; Construction)*</b>	
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>	
<b>L4</b>		
<b>L3</b>	<b>BC-030-3 / FWK3</b> Penyelia Sistem Kotakbentuk <i>System Formwork Supervisor</i> (25-10-10)	<b>B-010-3 @</b> Penyelia Binaan Bangunan <i>(Building Construction Supervisor)</i> (28-04-94)
<b>L2</b>	<b>BC-030-2 / FWK2</b> Foreman Sistem Kotakbentuk <i>System Formwork Foreman</i> (25-10-10)	<b>B-010-2</b> Jurubina Bangunan <i>(Building Constructor)</i> (28-04-94)
<b>L1</b>	<b>BC-030-1 / FWK1</b> Pemasang Sistem Kotakbentuk <i>System Formwork Installer</i> (25-10-10)	<b>B-010-1</b> Jurubina Bangunan <i>(Building Constructor)</i> (28-04-94)

	<b>*Rektikulasi Air</b> <i>(Water Reticulation)</i>	<b>*Perpaipan &amp; Kumbahan (Plumbing &amp; Sanitary)</b>
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>	
<b>L4</b>		
<b>L3</b>	<b>PWR3</b> Penyelia Rektikulasi Air <i>Water Reticulation Supervisor</i> (09-06-08)	<b>PNS3</b> Penyelia Perpaipan & Kumbahan <i>Plumbing &amp; Sanitary Supervisor</i> (09-06-08)
<b>L2</b>	<b>PWR2</b> Tukang Paip Rektikulasi Air <i>Water Reticulation Plumber</i> (09-06-08)	<b>PNS2</b> Tukang Paip Perpaipan & Kumbahan <i>Plumbing &amp; Sanitary Plumber</i> (09-06-08)
<b>L1</b>	<b>PWR1</b> Pemasang Paip Air Rektikulasi <i>Water Reticulation Pipe Installer</i> (09-06-08)	<b>PNS1</b> Pemasang Perpaipan & Kumbahan <i>Plumbing &amp; Sanitary Fitter</i> (09-06-08)

	<b>Bangunan &amp; Pembinaan Carpentry(Joinery)*</b>
<b>L5</b>	<b>Belum ada</b> <b>(Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>TCJ3</b> Penyelia Tukang Kayu (Carpenter Supervisor) (17-07-2012)
<b>L2</b>	<b>TCJ2</b> Tukang Kayu (Carpenter) (17-07-2012)
<b>L1</b>	<b>TCJ1</b> Tukang Kayu (Carpenter) (17-07-2012)

	<b>PENGECATAN BANGUNAN (BUILDING PAINTING)</b>	
	<b>Dekorasi Bangunan (Decorative Coating) *</b>	<b>Saduran Senibina (Architectural Coating) *</b>
<b>L5</b>	<b>PTD5</b> Pengurus Pengecat Bangunan Building Painting Manager (11-04-2002)	
<b>L4</b>	<b>PTD4</b> Projek Koordinator Pengecat Bangunan Building Painting Project Coordinator (11-04-2002)	
<b>L3</b>	<b>PTD3</b> Penyelia Dekorasi Bangunan Building Decorative Supervisor (11-04-2002)	
<b>L2</b>	<b>PTD2</b> Pengecat Dekorasi Bangunan L2 Building Decorative Painter L2 (11-04-2002)	<b>PTC2</b> Aplikator Saduran Senibina Bangunan L2 Building Architectural Coating Applicator L2 (11-04-2002)
<b>L1</b>	<b>PTD1</b> Pengecat Dekorasi Bangunan L1 Building Decorative Painter L1 (11-04-2002)	<b>PTC1</b> Aplikator Saduran Senibina Bangunan L1 Building Architectural Coating Applicator L1 (11-04-2002)

PEMASANGAN SILING & DRYWALL/DRYWALL & CEILING INSTALLATIONS*				
	Pembahagian Drywall (Drywall Partition)*	Bilik Bersih Drywall (Drywall Clean Room) *	Siling (Ceiling)*	
			Siling Demountable (Demountable Ceiling)	Siling Tetap (Fixed Ceiling)
L5	DWC5 Pengurus Projek Siling & Drywall Drywall & Ceiling Project Manager (11-04-2002)			
L4	DWC4 Eksekutif Projek Siling & Drywall Drywall & Ceiling Project Executive (11-04-2002)			
L3	DWP 3 Penyelia Pembahagi Drywall Drywall Partition Supervisor (11-04-2002)	DWC 3 Penyelia Bilik Bersih Drywall Drywall Clean Room Supervisor (11-04-2002)	DCS 3 Penyelia Siling Ceiling Supervisor (11-04-2002)	
L2	DWP 2 Pemasang Pembahagi Drywall Drywall Partition Installer (11-04-2002)	DWC 2 Pemasang Bilik Bersih Drywall Drywall Clean Room Installer (11-04-2002)	DCG 2 Pemasang Demountable Ceiling Demountable Ceiling Installer (11-04-2002)	DCF 2 Pemasang Siling Tetap Fixed Ceiling Installer (11-04-2002)
L1	DWP 1 Pembantu Pemasang Pembahagi Drywall Drywall Partition Assistant Installer (11-04-2002)	DWC 1 Pembantu Pemasang Bilik Bersih Drywall Drywall Clean Room Assistant Installer (11-04-2002)	DCG 1 Pembantu Pemasang Demountable Ceiling Demountable Ceiling Assistant Installer (11-04-2002)	DCF 1 Pembantu Pemasang Siling Tetap Fixed Ceiling Assistant Installer (11-04-2002)
	SISTEM KUMBAHAN DOMESTIK/DOMESTIC SEWERAGE SYSTEM*			
	Am & Struktur(Civil & Structure)		Mekanikal & Elektrikal(Mechanical & Electrical)	
L5	Belum ada (Not Available)			
L4				
L3	SWC3 Penyelia Kumbahan C&S Sewerage Civil and Structure Supervisor (26-05-2008)		SWM3 Penyelia Kumbahan M&E Sewerage M & E Supervisor (26-05-2008)	
L2	SWC2 Sewerage C & S Fitter Sewerage C & S Fitter (26-05-2008)		SWM2 Sewerage M & E Fitter Sewerage M & E Fitter (26-05-2008)	
L1	SWC1 Sewerage C & S Installer Sewerage C & S Installer (26-05-2008)		SWM1 Sewerage M & E Installer Sewerage M & E Installer (26-05-2008)	

	<b>Pemasangan Kekuda Bumbung (Roof Truss Installation)*</b>	
L5	Belum ada (Not Available)	
L4		
L3	<b>BC-380-3 / RTM3</b> Penyelia Kekuda Bumbung <i>Roof Truss Supervisor</i> (28-08-08)	
L2	<b>BC-360-2 / RTT2</b> Pemasang Kekuda Bumbung (Kayu) <i>Roof Truss Installer (Timber)</i> (28-08-08)	<b>BC-370-2 / RTL2</b> Pemasang Kekuda Bumbung ( <i>Light Gauge Steel</i> ) <i>Roof Truss Installer (Light Gauge Steel)</i> (28-08-08)
L1	<b>BC-360-1 / RTT1</b> Pemasang Kekuda Bumbung (Kayu) <i>Roof Truss Installer (Timber)</i> (28-08-08)	<b>BC-370-1 / RTL1</b> Pemasang Kekuda Bumbung ( <i>Light Gauge Steel</i> ) <i>Roof Truss Installer (Light Gauge Steel)</i> (28-08-08)

	<b>Wet Trade I*</b>		
L5	Belum ada (Not Available)		
L4			
L3	<b>BC-020-3 / MSR3</b> Penyelia Masonry <i>Masonry Supervisor</i> (22-10-10)		
L2	<b>BRL2</b> Tukang Batu Bata <i>Bricklayer</i> (26-05-2008)	<b>PLR2</b> Tukang Lepas <i>Plasterer</i> (26-05-2008)	<b>TLR2</b> Pemasang Jubin <i>Tiler</i> (26-05-2008)
L1	<b>BRL1</b> Tukang Batu Bata <i>Bricklayer</i> (26-05-2008)	<b>PLR1</b> Tukang Lepas <i>Plasterer</i> (26-05-2008)	<b>TLR1</b> Pemasang Jubin <i>Tiler</i> (26-05-2008)

	<b>Wet Trade II*</b>		
L5	Belum ada (Not Available)		
L4			
L3	<b>BC-010-3 / STS3</b> Penyelia Struktur <i>Structural Supervisor</i> (25-10-2010)		
L2	<b>BC-010-2 / FWC2</b> Foreman Tukang Acuan <i>Formwork Foreman</i> (25-10-2010)	<b>BBR2</b> Tukang Besi <i>Bar Bender</i> (26-05-2008)	<b>BC-011-2 / CCT2</b> Concretor II <i>Concretor II</i> (25-10-2010)
L1	<b>BC-010-1 / FWC1</b> Tukang Kayu Acuan <i>Formwork Carpenter</i> (25-10-2010)	<b>BBR1</b> Tukang Besi <i>Bar Bender</i> (26-05-2008)	<b>BC-011-1 / CCT1</b> Concretor I <i>Concretor I</i> (25-10-2010)

<b>AIR-CONDITIONING &amp; MECHANICAL VENTILATION (ACMV)*</b>					
	<b>Kediaman &amp; Perdagangan Kecil (Residential &amp; Light Commercial)</b>	<b>Perpaipan (Piping)</b>	<b>Penyaluran (Ducting)</b>	<b>Elektrikal(Electrical)</b>	<b>Penyelenggaraan (Maintenance)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>				
<b>L4</b>					
<b>L3</b>	<b>ACV3</b> Penyelia ACMV (Kediaman & Perdagangan Kecil) <i>ACMV Supervisor (Residential &amp; Light Commercial)</i> (25-03-04)	<b>ACS3</b> Penyelia ACMV (Perdagangan Berat) <i>ACMV Supervisor (Heavy Commercial)</i> (25-03-04)		<b>BC-042-3 / ACE3</b> Penyelia Elektrikal ACMV <i>ACMV Electrical Supervisor</i> (25-10-10)	<b>BC-041-3 / ACT3</b> Penyelia Penyelenggaraan ACMV <i>ACMV Maintenance Supervisor</i> (25-03-04) (25-10-10)
<b>L2</b>	<b>ACV2</b> Pemasang ACMV (Kediaman & Perdagangan Kecil) <i>ACMV Installer (Residential &amp; Light Commercial)</i> (25-03-04)	<b>ACP2</b> Pemasang Perpaipan ACMV <i>ACMV Piping Installer</i> (25-03-04)	<b>ACD2</b> Pemasang Penyaluran ACMV <i>ACMV Ducting Installer</i> (25-03-04)	<b>BC-042-2 / ACE2</b> Pemasang Elektrikal ACMV <i>ACMV Electrical Installer</i> (25-03-04) (25-10-10)	<b>BC-041-2 / ACT2</b> Juruteknik ACMV <i>ACMV Technician</i> (25-03-04) (25-10-10)
<b>L1</b>	<b>ACV1</b> Pembantu Pemasang ACMV (Kediaman & Perdagangan Kecil) <i>ACMV Assistant Installer (Residential &amp; Light Commercial)</i> (25-03-04)	<b>ACP1</b> Pembantu Pemasang Perpaipan ACMV <i>ACMV Piping Assistant Installer</i> (25-03-04)	<b>ACD1</b> Pemasang Penyaluran ACMV <i>ACMV Ducting Assistant Installer</i> (25-03-04)	<b>BC-042-1 / ACE1</b> Pembantu Pemasang Elektrikal ACMV <i>ACMV Electrical Assistant Installer</i> (25-03-04) (25-10-10)	<b>BC-041-1 / ACT1</b> Pembantu Juruteknik ACMV <i>ACMV Assistant Technician</i> (25-03-04) (25-10-10)

<b>Letupan &amp; Pengecatan (Blasting &amp; Painting)</b>	
<b>L5</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>PCB3</b> Penyelia Letupan & Pengecatan <i>Blasting &amp; Painting Supervisor</i> (17-07-2012)
<b>L2</b>	<b>PCB2</b> Juruteknik Letupan & Pengecatan <i>Blasting &amp; Painting Technician</i> (17-07-2012)
<b>L1</b>	<div> <b>PCB1</b> Blaster <i>Blaster</i> (17-07-2012) </div> <div> <b>PCP1</b> Tukang Cat <i>Painter</i> (17-07-2012) </div>

	<b>Ukur Tanah*</b> <b>(Land Survey)</b>
<b>L5</b>	<b>V-020-5</b> Pengurus Ukur Tanah <i>Survey Manager</i> (25-04-2006)
<b>L4</b>	<b>V-020-4</b> Pembantu Ukur Tanah Kanan <i>Senior Survey Assistant</i> (25-04-2006)
<b>L3</b>	<b>V-020-3</b> Pembantu Ukur Tanah (Kejuruteraan) <i>Survey Assistant (Engineering)</i> 22-04-99 (25-04-2006)
<b>L2</b>	<b>Tiada Tahap</b> <b>(No Level)</b>
<b>L1</b>	

	<b>Pemasangan Lif(Lift Installation)*</b>		<b>Escalator Installation*</b>
<b>L5</b>	<b>Belum ada</b> <b>(Not Available)</b>		<b>Belum ada</b> <b>(Not Available)</b>
<b>L4</b>			
<b>L3</b>	<b>LIF3</b> Penyelia Pemasangan Lif <i>Lift Installation Supervisor</i> (09-06-08)	<b>LIT3</b> Penyelia Pengujian Lif <i>Lift Testing Supervisor</i> (09-06-08)	
<b>L2</b>	<b>LIF2</b> Pemasang Lif <i>Lift Installer</i> (09-06-08)	<b>LIT2</b> Penguji Lif <i>Lift Tester</i> (09-06-08)	
<b>L1</b>	<b>LIF1</b> Pemasang Lif <i>Lift Installer</i> (09-06-08)	<b>Tiada Tahap</b> <b>(No Level)</b>	

### 13.2) SUB SEKTOR: (STRUCTURAL)

	<b>Perancah* (Scaffolding)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>SCF3</b> Penyelia Perancah <i>Scaffold Supervisor</i> (09-06-08)
<b>L2</b>	<b>SCF2</b> Pemasang Perancah <i>Scaffold Erector</i> (09-06-08)
<b>L1</b>	<b>SCF1</b> Pemasang Perancah <i>Scaffold Erector</i> (09-06-08)

	<b>Kerja Kaca Bangunan * (Glass Building Works)</b>	<b>Kerja Aluminium Bangunan * (Aluminium Building Works)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>	
<b>L4</b>		
<b>L3</b>	<b>GLZ3</b> Penyelia Juru Kaca <i>Glazier Supervisor</i> (08-11-01)	<b>FWA 3</b> Penyelia Kerja Kerangka Aluminium <i>Aluminium Frame Works Supervisor</i> (08-11-01)
<b>L2</b>	<b>GLZ2</b> Juru Kaca <i>Glazier</i> (08-11-01)	<b>FWA 2</b> Pemasang Kerangka Aluminium <i>Aluminium Frame Works Installer</i> (08-11-01)
<b>L1</b>	<b>GLZ1</b> Pemotong Kaca Berwarna <i>Stained Glass Cutter</i> (08-11-01)	<b>GLC1</b> Pemotong Kaca <i>Glass Cutter</i> (08-11-01)
		<b>FWA 1</b> Fabrikator Kerangka Aluminium <i>Aluminium Frame Works Fabricator</i> (08-11-01)

	<b>Struktur Keluli (IBS)</b> <b>(Steel Structure)(IBS)</b>	
	<b>Struktur Keluli- Pembentukan Sejuk</b> <b>Steel Structure-Cold Formed</b>	<b>Struktur Keluli</b> <b>Steel Structure-Hot Rolled</b>
<b>L5</b>	<b>Belum ada</b> <b>(Not Available)</b>	
<b>L4</b>		
<b>L3</b>	<b>SCT3</b> Penyelia Struktur Keluli(Pembentukan Sejuk) <i>Steel Structure Supervisor(Cold Formed)</i> (17-07-2012)	<b>STE3</b> Penyelia Struktur Keluli <i>Steel Structure Supervisor(Hot Rolled)</i> (17-07-2012)
<b>L2</b>	<b>SCT2</b> Pemasang Struktur Keluli(Pembentukan Sejuk) <i>Steel Structure Installer(Cold Formed)</i> (17-07-2012)	<b>STE2</b> Pemasang Struktur Keluli <i>Steel Structure Installer(Hot Rolled)</i> (17-07-2012)
<b>L1</b>	<b>SCT1</b> Pemasang Struktur Keluli(Pembentukan Sejuk) <i>Steel Structure Installer(Cold Formed)</i> (17-07-2012)	<b>STE1</b> Pemasang Struktur Keluli <i>Steel Structure Installer(Hot Rolled)</i> (17-07-2012)

<b>Land Piling</b>					
<b>L5</b>	<b>Belum ada</b> <b>(Not Available)</b>				<b>Belum ada</b> <b>(Not Available)</b>
<b>L4</b>					
<b>L3</b>					<b>PLS3</b> Mandur Cerucuk Penyelia Tapak Cerucuk <i>Piling Site Supervisor</i> (09-06-08)
<b>L2</b>					<b>PLS2</b> <i>Piling Site Foreman</i> (09-06-08)
<b>L1</b>	<b>PLJ2</b> Operator Cerucuk Jacked- In <i>Jacked In Pile Operator</i> (09-06-08)	<b>PLM2</b> Operator Cerucuk Mikro <i>Micro Pile Operator</i> (09-06-08)	<b>PLD2</b> Operator Cerucuk Driven <i>Driven Pile Operator</i> (09-06-08)	<b>PLB2</b> Operator Bored Pile <i>Bored Pile Operator</i> (09-06-08)	<b>Tiada Tahap</b> <b>(No Level)</b>

### 13.3) SUB SEKTOR: SENIBINA (ARCHITECTURAL)

	Senibina* (Architectural)	Awam* (Civil)
L5	<b>BC-050-5</b> Pengurus Teknikal Senibina <i>Architectural Technical Manager</i> (10-12-10)	Belum Ada (Not Available)
L4	<b>BC-050-4</b> Penolong Pengurus Teknikal Senibina <i>Assistant Architectural Technical Manager</i> (10-12-10)	
L3	<b>BC-050-3</b> Pelukis Pelan Kanan Senibina <i>Senior Architectural Draughtsman</i> (10-04-95) (10-12-10)	<b>B-040-3</b> Pelukis Pelan Kanan Kejuruteraan Awam dan Struktur <i>Senior Civil and Structural Engineering Draughtsman</i> (19-12-94)
L2	<b>BC-050-2</b> Pelukis Pelan Senibina <i>Architectural Draughtsman</i> (10-04-95) (10-12-10)	<b>B-040-2</b> Pelukis Pelan Kejuruteraan Awam dan Struktur <i>Civil and Structural Engineering Draughtsman</i> (19-12-94)
L1	<b>BC-050-1</b> Pelukis Muda Pelan Senibina <i>Junior Architectural Draughtsman</i> (10-04-95) (10-12-10)	<b>B-040-1</b> Pelukis Pelan Kejuruteraan Awam dan Struktur <i>Civil and Structural Engineering Draughtsman</i> (19-12-94)

### 13.4) SUB SEKTOR: MACHINERY & PLANT

	Operasi Loji (Plant Operations)*				
L5	Belum ada (Not Available)				
L4					
L3					
L2	<b>EXH2</b> Operator Hydraulic Excavator <i>Hydraulic Excavator Operator</i> (19-06-2003)	<b>BHL2</b> Operator Pemuat Jengkaut <i>Backhoe Loader Operator</i> (19-06-2003)	<b>LWH2</b> Operator Wheel Loader <i>Wheel Loader Operator</i> (03-03-2005)	<b>DZT2</b> Operator Track Dozer <i>Track Dozer Operator</i> (03-03-2005)	<b>GRM2</b> Operator Motor Grader <i>Motor Grader Operator</i> (03-03-2005)
L1	Tiada Tahap (No Level)				

	<b>Plant Operations *</b>				
L5	Belum ada (Not Available)				
L4					
L3					
L2	<b>TRH2</b> Off Highway Truck Operator (26-05-2008)	<b>SCR2</b> Scraper Operator (26-05-2008)	<b>BKP2</b> Back Pusher Operator (26-05-2008)	<b>TCM2</b> Telescopic Material Handler (26-05-2008)	<b>PUC2</b> Concrete Pump Operator (26-05-2008)
L1	Tiada Tahap (No Level)				

	<b>Plant Operations *</b>		
L5	Belum ada (Not Available)		
L4			
L3			
L2	<b>SSL2</b> Skid Steer Loader Operator (26-05-2008)	<b>FRL2</b> Forklift Operator (26-05-2008)	<b>RLC2</b> Compactor Roller Operator (26-05-2008)
L1	Tiada Tahap (No Level)		

	<b>Plant Operations *</b>		
L5	Belum ada (Not Available)		
L4			
L3			
L2	<b>RPT2</b> Pneumatic Tyre Roller Operator (26-05-2008)	<b>MTC2</b> Cold Metal Operator (26-05-2008)	<b>PVR2</b> Paver Operator (26-05-2008)
L1	Tiada Tahap (No Level)		

	<b>Plant*</b>	<b>Pipeline*</b>
L5	Belum ada (Not Available)	
L4		
L3	<b>BC-051-3/ FHP3</b> Penyelia Jurugegas Gas Plant Pipe Supervisor (25-10-10)	<b>BC-052-3 / FHG3</b> Penyelia Pemasang Paip Gas Pipeline Supervisor (25-10-10)
L2	<b>BC-051-2/ FHP2</b> Jurugegas Gas II Plant Pipe Fitter II (25-10-10)	<b>BC-052-2/ FHG2</b> Pemasang Paip Gas II Pipeline Fitter II (25-10-10)
L1	<b>BC-051-1/ FHP1</b> Jurugegas Gas I Plant Pipe Fitter I (25-10-10)	<b>BC-052-1/ FHG1</b> Pemasang Paip Gas I Pipeline Fitter I (25-10-10)

	<b>Crane</b>		
	<b>Mobile Crane(Wheel)</b>	<b>Mobile Crane (Crawler)</b>	<b>Winch Crane</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>	<b>Belum ada (Not Available)</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>			
<b>L3</b>			<b>BC-055-3</b> Penyelia Winchman Winchman Supervisor (05-04-2012)
<b>L2</b>	<b>CMW2</b> Operator Kren Mobile (Roda) Mobile Crane (Wheel) Operator (09-06-08)	<b>CMC2</b> Operator Kren Mobile (Crawler) Mobile Crane (Crawler) Operator (09-06-08)	<b>BC-055-2</b> Winchman Kanan Senior Winchman (05-04-2012)
<b>L1</b>	<b>CRS1</b> Pembantu Rigger (Signalman) Assistant Rigger (Signalman) (17-07-2012)		<b>BC-055-1</b> Winchman Winchman (05-04-2012)

### 13.5) SUB SEKTOR: SISTEM PEMBINAAN PERINDUSTRIAN (INDUSTRIALISED BUILDING SYSTEM)

	<b>Panel Tuangan Ringan (Lightweight Concrete Panel)</b>	<b>Blok Dinding Ringan (Lightweight Blockwall)</b>	<b>Konkrit Tuangan (Precast Concrete)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>		
<b>L4</b>			
<b>L3</b>	<b>LWP3</b> Penyelia Panel Tuangan Ringan Lightweight Panel Supervisor (09-06-08)	<b>BLK3</b> Penyelia Blok Dinding Ringan Lightweight Blockwall Supervisor (09-06-08)	<b>PCC3</b> Penyelia Konkrit Tuangan (Bangunan) Precast Concrete Supervisor (Building) (09-06-08)
<b>L2</b>	<b>LWP2</b> Pemasang Panel Tuangan Ringan Lightweight Panel Installer (09-06-08)	<b>BLK2</b> Pemasang Blok Dinding Ringan Lightweight Blockwall Installer (09-06-08)	<b>PCC2</b> Pemasang Konkrit Tuangan (Bangunan) Precast Concrete Installer (Building) (09-06-08)
<b>L1</b>	<b>LWP1</b> Pemasang Panel Tuangan Ringan Lightweight Panel Installer (09-06-08)	<b>BLK1</b> Pemasang Blok Dinding Ringan Lightweight Blockwall Installer (09-06-08)	<b>PCC1</b> Pemasang Konkrit Tuangan (Bangunan) Precast Concrete Installer (Building) (09-06-08)

### 13.6) SUB SEKTOR: CONSTRUCTION SITE SUPERVISOR

	<i>Construction Site Supervisory &amp; Management*</i>		
	<b>Awam &amp; Struktur (Civil &amp; Structural)</b>	<b>Senibina &amp; Bangunan (Architectural &amp; Building)</b>	<b>Mekanikal &amp; Elektrikal (Mechanical &amp; Electrical)</b>
L5	<b>Belum ada (Not Available)</b>		
L4	<b>CVS4</b> Pengurus Binaan Awam Dan Struktur <i>Civil &amp; Structural Manager</i> (28-02-2002)	<b>ARB4</b> Pengurus Senibina & Bangunan <i>Architectural &amp; Building Manager</i> (19-06-2003)	<b>MCE4</b> Pengurus Mekanikal & Elektrikal <i>Mechanical &amp; Electrical Manager</i> (19-06-2003)
L3	<b>CVS3</b> Penyelia Awam & Struktur <i>Civil &amp; Structural Supervisor</i> (19-12-2002)	<b>ARB3</b> Penyelia Senibina & Bangunan <i>Architectural &amp; Building Supervisor</i> (19-12-2002)	<b>MCE3</b> Penyelia Mekanikal & Elektrikal <i>Mechanical &amp; Electrical Supervisor</i> (19-12-2002)
L2	<b>Tiada Tahap (No Level)</b>		
L1			

	<b>Penyiasatan Tapak (Site Investigation)*</b>
L5	<b>Belum ada (Not Available)</b>
L4	
L3	<b>SID3</b> Penyelia Driller Penyiasatan Tapak <i>Site Investigation Driller Supervisor</i> (26-05-2008)
L2	<b>SID2</b> Driller Penyiasatan Tapak <i>Site Investigation Driller</i> (26-05-2008)
L1	<b>SID1</b> Driller Penyiasatan Tapak <i>Site Investigation Driller Assistant</i> (26-05-2008)

	<b>Keselamatan dan Kesihatan di Tapak Binaan* (Site Safety &amp; Health)</b>
L5	<b>Belum Ada (Not Available)</b>
L4	
L3	<b>CSH3</b> Penyelia Keselamatan dan Kesihatan Tapak Binaan ( <i>Construction Site Safety and Health Supervisor</i> ) (19-12-2000)
L2	<b>Tiada Tahap (No Level)</b>
L1	

**SEKTOR 14:**

**LE: LANDSKAP & ALAM SEKITAR /  
LANDSCAPING & ENVIRONMENTAL**

<b>BIL/ NO</b>	<b>SUB-SEKTOR/ SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
14.1	<i>Pembinaan Landskap/Landscape Construction</i>	LE,LSC	1	1	1	0	0	3
14.2	<i>Alam Sekitar/Environmental</i>	LE	0	2	2	2	3	9
14.3	Park & Garden	LE	1	1	1	0	0	3
	<b>Jumlah / Total</b>		2	4	4	2	3	<b>15</b>

**14.1) SUB SEKTOR: PEMBINAAN LANDSKAP (LANDSCAPE CONSTRUCTION)**

	<b>Pembinaan Lanskap (Landscape Construction) *</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>LE-010-3 /LSC3</b> Penyelia Lanskap <i>Landscape Supervisor</i> (19-06-2003) (25-10-2010)
<b>L2</b>	<b>LE-010-2/LSC2</b> Koordinator Lanskap <i>Landscape Coordinator</i> (19-06-2003) (25-10-2010)
<b>L1</b>	<b>LE-010-1/LSC1</b> Atendan Lanskap <i>Landscape Attendant</i> (19-06-2003) (25-10-2010)

**14.2) SUB SEKTOR: ALAM SEKITAR (ENVIRONMENTAL)**

	<b>Industri Bangunan Hijau (Green Building Industry)</b>	
	<b>Audit Tenaga(Energy Audit)</b>	<b>Pembinaan Bangunan (Building Construction)</b>
<b>L5</b>	<b>LE-030-5:2012</b> Pengurusan Audit Tenaga <i>Energy Audit Management</i> (05-04-2012)	<b>LE-040-5:2012</b> Perundingan & Pengurusan Bangunan Hijau <i>Green Building Consultation and Management</i> (05-04-2012)
<b>L4</b>	<b>LE-030-4:2012</b> Audit Tenaga <i>Energy Auditing</i> (05-04-2012)	<b>Tiada Tahap (No Level)</b>
<b>L3</b>	<b>LE-030-3:2012</b> Pengukuran Data Audit Tenaga <i>Energy Audit Data Measurement</i> (05-04-2012)	<b>Tiada Tahap (No Level)</b>
<b>L2</b>	<b>Tiada Tahap (No Level)</b>	<b>Tiada Tahap (No Level)</b>
<b>L1</b>	<b>Tiada Tahap (No Level)</b>	<b>Tiada Tahap (No Level)</b>

	Industri Bangunan Hijau (Green Building Industry)			
	Pengurusan Sisa Pepejal (Solid Waste Management)		(Public Cleansing Operation Management)	
L5	LE-031-5:2012 Pengumpulan Sisa Pepejal & Pengurusan Operasi Pembersihan Awam Solid Waste Collection and Public Cleansing Operation Management (05-04-2012)			
L4	LE-031-4:2012 Pengumpulan Sisa Pepejal & Pentadbiran Operasi Pembersihan Awam Solid Waste Collection and Public Cleansing Operation Administration (05-04-2012)			
L3	LE-031-3:2012 Penyeliaan Operasi Pengumpulan Sisa Pepejal Solid Waste Collection Operation Supervision (05-04-2012)		Belum ada (Not Available)	
L2	LE-032-2:2012 Operasi Trak Pengumpulan Sisa Pepejal Solid Waste Collection Truck Operation (05-04-2012)	LE-031-2:2012 Operasi Pengumpulan Sisa Pepejal Solid Waste Collection Operation (05-04-2012)	Belum ada (Not Available)	Belum ada (Not Available)
L1	Tiada Tahap (No Level)			

#### 14.3 SUB SEKTOR: PARKS & GARDEN

	<b>Taman (Parks &amp; Garden)</b>			
<b>L5</b>	Belum ada <i>(Not Available)</i>			
<b>L4</b>				
<b>L3</b>	<b>LE-020-3:2011</b> Penyeliaan Penyelenggaraan Taman <i>Garden Maintenance Supervision</i> (18-11-11)			
<b>L2</b>	<b>LE-020-2:2011</b> Operasi Penyelenggaraan Taman <i>Garden Maintenance Operation</i> (18-11-11)			
<b>L1</b>	<b>LE-020-1:2011</b> Operasi Penyelenggaraan Taman <i>Garden Maintenance Operation</i> (18-11-11)			

### **SEKTOR 15:**

#### **ID: HIASAN DALAMAN / *INTERIOR DECOR***

<b>BIL NO</b>	<b>SUB-SEKTOR/ <i>SUB-SECTOR</i></b>	<b>Kod/ <i>Code</i></b>	<b>T1/ <i>L1</i></b>	<b>T2/ <i>L2</i></b>	<b>T3/ <i>L3</i></b>	<b>T4/ <i>L4</i></b>	<b>T5/ <i>L5</i></b>	<b>Jumlah (<i>Total</i>)</b>
15.1	Lukisan Pelan-Rekabentuk Dalaman/ <i>Draughting-ID</i>	ID	1	1	1	0	0	3
15.2	Pengilangan Rekabentuk Bahan/ <i>Interior Material Manufacturing</i>	ID	1	1	1	0	0	3
15.3	Rekabentuk Tapak Acuan/ <i>Treadform Architecture Moulding</i>	ID	2	2	2	0	0	6
15.4	Penyudahan/ <i>Finishing</i>	ID	0	1	1	0	0	2
	<b>Jumlah / <i>Total</i></b>		4	5	5	0	0	<b>14</b>

**15.1) SUB SEKTOR: LUKISAN PELAN – REKABENTUK DALAMAN (DRAUGHTING – ID)**

	<b>Rekabentuk Dalaman (Interior Design)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>ID-040-3</b> Pelukis Rekaan Dalaman Kanan <i>Senior Interior Draughtsman</i> (10-08-2006) (10-12-10)
<b>L2</b>	<b>ID-040-2</b> Pelukis Rekaan Dalaman <i>Interior Draughtsman</i> (10-08-2006) (10-12-10)
<b>L1</b>	<b>ID-040-1</b> Pelukis Rekaan Dalaman Rendah <i>Junior Interior Draughtsman</i> (10-08-2006) (10-12-10)

**15.2) SUB SEKTOR: PENGILANGAN REKABENTUK BAHAN (INTERIOR MATERIAL MANUFACTURING)**

	<b>Logam (Metal)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>ID-010-3</b> Penyelia Pembuatan Logam Perhiasan <i>Ornamental Metal Making Supervisor</i> (24-03-09)
<b>L2</b>	<b>ID-010-2</b> Pembuat Kanan Logam Perhiasan <i>Ornamental Metal Senior Maker</i> (24-03-09)
<b>L1</b>	<b>ID-010-1</b> Pembuat Logam Perhiasan <i>Ornamental Metal Maker</i> (24-03-09)

### 15.3) SUB SEKTOR: REKABENTUK TAPAK ACUAN (*TREADFORM ARCHITECTURE MOULDING*)

	Pintu & Tingkap ( <i>Doors and Windows</i> )	Fiber( <i>Fiber</i> )
L5	Belum ada ( <i>Not Available</i> )	
L4		
L3	<b>ID-020-3</b> Penyelia Pembuatan Pintu & Tingkap <i>Doors and Windows Making Supervisor</i> (24-03-09)	<b>ID-021-3</b> Penyelia Pemasangan Siling Hiasan <i>Decorative Ceilings Installation Supervisor</i> (24-03-09)
L2	<b>ID-020-2</b> Pembuat Kanan Pintu & Tingkap <i>Doors and Windows Senior Maker</i> (24-03-09)	<b>ID-021-2</b> Pemasang Kanan Siling Hiasan <i>Decorative Ceilings Senior Installer</i> (24-03-09)
L1	<b>ID-020-1</b> Pembuat Pintu & Tingkap <i>Doors and Windows Maker</i> (24-03-09)	<b>ID-021-1</b> Pemasang Siling Hiasan <i>Decorative Ceilings Installer</i> (24-03-09)

### 15.4) SUB SEKTOR: PENYUDAHAN (*FINISHING*)

	Rekabentuk Pintu & Tingkap ( <i>Doors and Windows Designing</i> )	
L5	Belum ada ( <i>Not Available</i> )	
L4		
L3	<b>ID-030-3</b> Juruteknik Rekabentuk Pintu & Tingkap <i>Doors and Windows Designing Technician</i> (24-03-09)	
L2	<b>ID-030-2</b> Artis Muda Rekabentuk Pintu & Tingkap <i>Doors and Windows Designing Junior Artist</i> (24-03-09)	
L1	Tiada Tahap ( <i>No Level</i> )	

**SEKTOR 16:**

**FB: PENGURUSAN BISNES /  
*BUSINESS MANAGEMENT***

<b>BIL. NO</b>	<b>SUB-SEKTOR/ <i>SUB-SECTOR</i></b>	<b>Kod/ <i>Code</i></b>	<b>T1/ <i>L1</i></b>	<b>T2/ <i>L2</i></b>	<b>T3/ <i>L3</i></b>	<b>T4/ <i>L4</i></b>	<b>T5/ <i>L5</i></b>	<b>Jumlah (<i>Total</i>)</b>
16.1	Perniagaan & Kewangan/ <i>Business &amp; Finance</i>	M, PP,FB	7	9	11	7	7	41
16.2	Perakaunan, Pengauditan & Percukaian / <i>Accounting, Auding &amp; Taxation</i>	AA,FB	0	2	4	1	1	8
16.3	Perbankan/ <i>Banking</i>	FB	2	4	4	0	0	10
16.4	Perniagaan & Kewangan-Insuran/ <i>Business &amp; Finance-Insurance</i>	M,FB	0	19	19	0	0	38
<b>Jumlah / <i>Total</i></b>			9	34	38	9	8	<b>97</b>

**16.1) SUB SEKTOR: PERNIAGAAN & KEWANGAN (BUSINESS & FINANCE)**

	<b>Lojistik (Logistic)</b>	<b>Penghantaran (Forwarding)</b>	<b>Sekretari Guaman (Legal Secretary)</b>	<b>Pentadbir Elektronik (E-Administrator)</b>	<b>Sekretari (Secretary)</b>
<b>L5</b>	<b>Belum Ada (Not Available)</b>	<b>FB-011-5</b> Pengurus Operasi Penghantaran (Forwarding Operation Manager) (30-09-97) (23-06-2009)	<b>Belum Ada (Not Available)</b>		
<b>L4</b>		<b>FB-011-4</b> Eksekutif Operasi Penghantaran (Forwarding Operation Executive) (30-09-97) (23-06-2009)			
<b>L3</b>	<b>FB-015-3</b> Penyelia Logistik Logistic Supervisor (19-12-94) (01-10-09)	<b>FB-011-3</b> Penyelia Operasi Penghantaran (Forwarding Operation Supervisor) (30-09-97) (23-06-2009)	<b>M-053-3</b> Ketua Kerani Guaman (Chief Legal Clerk) (28-02-2002)	<b>M-050-3</b> Pentadbir Elektronik (E-Administrator) (28-02-2002)	<b>M-052-3</b> Setiausaha Korporat Eksekutif (Executive Corporate Secretary) (18-07-2002)
<b>L2</b>	<b>FB-015-2</b> Juruteknik Logistik Logistic Technician (19-12-94) (01-10-09)	<b>FB-011-2</b> Penyelaras Operasi Penghantaran (Forwarding Operation Coordinator) (30-09-97) (23-06-2009)	<b>M-053-2</b> Kerani Guaman (Legal Clerk) (28-02-2002)	<b>M-050-2</b> Pembantu Pentadbiran (Admin. Assistant) (28-02-2002)	<b>M-052-2</b> Setiausaha (Secretary) (18-07-2002)
<b>L1</b>	<b>FB-015-1</b> Pembantu Juruteknik Logistik Logistic Assistant Technician (19-12-94) (01-10-09)	<b>FB-011-1</b> Pembantu Dokumentasi Penghantaran (Forwarding Clerk) (30-09-97) (23-06-2009)	<b>M-053-1</b> Kerani Rendah Guaman (Junior Legal Clerk) (28-02-2002)	<b>M-050-1</b> Kerani (Clerk) (28-02-2002)	<b>M-052-1</b> Setiausaha Rendah (Junior Secretary) (18-07-2002)

	Perancangan Kewangan ( <i>Financial Planning</i> )
L5	Belum ada ( <i>Not Available</i> )
L4	
L3	FB-016-3:2012 Perancangan Kewangan <i>Financial Planning</i> (17-07-2012)
L2	Tiada Tahap ( <i>No Level</i> )
L1	Tiada Tahap ( <i>No Level</i> )

	Pengurusan Korporat ( <i>Corporate Management</i> )	Flit Logistik-Gudang ( <i>Logistic-Warehouse Fleet</i> )	
L5	PP-001-5 Pengurus Korporat <i>Corporate Manager</i> (30-05-2002)	Belum Ada ( <i>Not Available</i> )	
L4	PP-001-4 Eksekutif Korporat <i>Corporate Executive</i> (30-05-2002)		
L3	Belum Ada ( <i>Not Available</i> )	FB-012-3 Penyelia Setor <i>Store Supervisor</i> (01-10-09)	FB-013-3 Penyelia Flit <i>Fleet Supervisor</i> (01-10-09)
L2		FB-012-2 Penjaga Setor <i>Storekeeper</i> (01-10-09)	FB-013-2 Pemandu Flit <i>Fleet Driver</i> (01-10-09)
L1		FB-012-1 Storehand <i>Storehand</i> (01-10-09)	Tiada Tahap ( <i>No Level</i> )

	Pengurusan Sumber Manusia <i>(Human Resources Management)</i>		
	Kakitangan <i>(Staffing)</i>	Pampasan & Imbuhan <i>(Compensation &amp; Benefits)</i>	
L5	<b>FB-071-5</b> Pengurus Kakitangan <i>Staffing Manager</i> (25-10-10)	<b>FB-072-5</b> Pengurus Pampasan <i>Compensation Manager</i> (25-10-10)	Tiada Tahap <i>(No Level)</i>
L4	<b>FB-071-4</b> Eksekutif Kakitangan <i>Staffing Executive</i> (25-10-10)	<b>FB-074-4:2012</b> Pengurusan Pampasan & Imbuhan <i>Compensation and Benefits Management</i> (25-10-10) (05-04-2012)	
L3	<b>FB-070-3</b> Penyelia Sumber Manusia <i>Human Resource Supervisor</i> (25-10-10)		
L2	<b>FB-070-2</b> Pembantu Sumber Manusia <i>Human Resource Assistant</i> (25-10-10)		
L1	<b>FB-070-1</b> Pembantu Rendah Sumber Manusia <i>Human Resource Junior Assistant</i> (25-10-10)		

	<b>Pengurusan Sumber Manusia(Human Resources Management)</b>	
	<b>Hubungan Pekerja-Majikan (Employee-Employer Relation)</b>	<b>Pembangunan Sumber Manusia (Human Capital Development)</b>
<b>L5</b>	<b>FB-073-5:2012</b> Pengurusan Hubungan Pekerja-Majikan <i>Employee-Employer Relation Management</i> (05-04-2012)	<b>FB-075-5:2012</b> Pengurusan Pembangunan Sumber Manusia <i>Human Capital Development Management</i> (05-04-2012)
<b>L4</b>	<b>FB-073-4:2012</b> Pengurusan Hubungan Pekerja-Majikan <i>Employee-Employer Relation Management</i> (05-04-2012)	<b>FB-075-4:2012</b> Pengurusan Pembangunan Sumber Manusia <i>Human Capital Development Management</i> (05-04-2012)
<b>L3</b>	<b>FB-070-3</b> Penyelia Sumber Manusia <i>Human Resource Supervisor</i> (25-10-10)	<b>FB-075-3:2012</b> Perkhidmatan Sokongan Pembangunan Sumber Manusia <i>Human Capital Development Support Service</i> (05-04-2012)
<b>L2</b>	<b>FB-070-2</b> Pembantu Sumber Manusia <i>Human Resource Assistant</i> (25-10-10)	<b>FB-075-2:2012</b> Perkhidmatan Sokongan Pembangunan Sumber Manusia <i>Human Capital Development Support Service</i> (05-04-2012)
<b>L1</b>	<b>FB-070-1</b> Pembantu Rendah Sumber Manusia <i>Human Resource Junior Assistant</i> (25-10-10)	

	<b>Pengurusan Sumber Manusia(<i>Human Resources Management</i>)</b>
<b>L5</b>	<b>FB-017-5</b> Pengurus Desa Daerah ( <i>Desa Daerah Manager</i> ) (17-07-2012)
<b>L4</b>	<b>FB-017-4</b> Pengurus Desa Mukim ( <i>Desa Mukim Manager</i> ) (17-07-2012)
<b>L3</b>	<b>FB-017-3</b> Penyelia Desa ( <i>Desa Supervisor</i> ) (17-07-2012)
<b>L2</b>	Tiada Tahap ( <i>No Level</i> )
<b>L1</b>	Tiada Tahap ( <i>No Level</i> )

**16.2) SUB SEKTOR: PERAKAUNAN, PENGAUDITAN & PERCUKAIAN (*ACCOUNTING, AUDITING & TAXATION*)**

	<b>Perakaunan (<i>Accounting</i>)</b>	<b>Audit Dalaman (<i>Internal Audit</i>)</b>	<b>Audit Luaran (<i>External Audit</i>)</b>	<b>Percukaian (<i>Taxation</i>)</b>
<b>L5</b>	Belum ada ( <i>Not Available</i> )			<b>FB-080-5</b> Eksekutif Percukaian <i>Tax Executive</i> (18-11-11)
<b>L4</b>				<b>FB-080-4</b> Penolong Eksekutif Percukaian <i>Assistant Tax Executive</i> (18-11-11)
<b>L3</b>	<b>AA-010-3</b> Penyelia Akaun ( <i>Account Supervisor</i> ) (06-03-2007)	<b>FB-050-3</b> Pembantu Audit Dalaman <i>Internal Audit Assistant</i> (01-10-09)	<b>FB-010-3</b> Pembantu Audit ( <i>Audit Assistant</i> ) (08-01-2008)	<b>FB-080-3</b> Pembantu Percukaian <i>Tax Assistant</i> (18-11-11)
<b>L2</b>	<b>AA-010-2</b> Kerani Akaun ( <i>Account Clerk</i> ) (06-03-2007)		<b>FB-010-2</b> Kerani Audit ( <i>Audit Clerk</i> ) (08-01-2008)	<b>AA-010-2</b> Kerani Akaun ( <i>Account Clerk</i> ) (06-03-2007)
<b>L1</b>	Tiada Tahap ( <i>No Level</i> )			

### 16.3) SUB SEKTOR: PERBANKAN (*BANKING*)

	<b>Perhubungan Akaun (Account Relationship)</b>	<b>Analisa Kredit (Credit Analyst)</b>	<b>Pentadbiran Kredit (Credit Administration)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>		
<b>L4</b>			
<b>L3</b>	<b>FB-020-3</b> Pegawai Perhubungan Akaun <i>Account Relationship Officer</i> (08-01-2008)	<b>FB-030-3</b> Penganalisa Kredit <i>Credit Analyst</i> (08-01-2008)	<b>FB-040-3</b> Pegawai Pentadbiran Kredit <i>Credit Administration Officer</i> (08-01-2008)
<b>L2</b>	<b>FB-020-2</b> Pembantu Pegawai Perhubungan Akaun <i>Assistant Account Relationship Officer</i> (08-01-2008)	<b>FB-030-2</b> Pembantu Penganalisa Kredit <i>Assistant Credit Analyst</i> (08-01-2008)	<b>FB-040-2</b> Pembantu Kerani Pentadbiran Kredit <i>Assistant Credit Administration Clerk</i> (08-01-2008)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>	<b>FB-030-1</b> Kerani Pemprosesan Kredit <i>Credit Processing Clerk</i> (08-01-2008)	<b>FB-040-1</b> Kerani Pentadbiran Kredit <i>Credit Administration Clerk</i> (08-01-2008)

	<b>Perbankan Komersial &amp; Runcit (Commercial and Retail Banking)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>FB-021-3</b> Pegawai Perbankan Komersial & Runcit <i>Commercial &amp; Retail Banking Officer</i> (24-03-09)
<b>L2</b>	<b>FB-021-2</b> Kerani Perbankan Komersial & Runcit <i>Commercial &amp; Retail Banking Clerk</i> (24-03-09)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>

### 16.4) SUB SEKTOR: PERNIAGAAN & KEWANGAN – INSURAN (*BUSINESS & FINANCE – INSURANCE*)

	<b>Insuran Hayat (Life Insurance)</b>	<b>Penajajaminan Kebakaran (Fire Underwriting)</b>	<b>Penajajaminan Motor (Motor Underwriting)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>		
<b>L4</b>			
<b>L3</b>	<b>M-047-3</b> Eksekutif Insuran Hayat <i>(Life Insurance Executive)</i> (10-08-2006)	<b>M-031-3</b> Eksekutif Penajajaminan Kebakaran <i>Fire Underwriting Executive</i> (30-09-2000)	<b>M-030-3</b> Eksekutif Penajajaminan Motor <i>Motor Underwriting Executive</i> (30-09-2000)
<b>L2</b>	<b>M-047-2</b> Kerani Insuran Hayat <i>(Life Insurance Clerk)</i> (10-08-2006)	<b>M-031-2</b> Kerani Penajajaminan Kebakaran <i>Fire Underwriting Clerk</i> (30-09-2000)	<b>M-030-2</b> Kerani Penajajaminan Motor <i>Motor Underwriting Clerk</i> (30-09-2000)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>		

	Penajajaminan Kemalangan Pelbagai ( <i>Miscellaneous Accident Underwriting</i> )			
	Peribadi ( <i>Personal</i> )			
L5	Belum ada ( <i>Not Available</i> )			
L4				
L3	<b>M-032-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – Peribadi (Insuran Kesihatan) <i>Miscellaneous Accident Underwriting Executive - Personal (Health Insurance)</i> (19-07-2001)	<b>M-033-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – Peribadi (Insuran Peribadi) <i>Miscellaneous Accident Underwriting Executive - Personal (Personal Accident)</i> (19-07-2001)		
L2	<b>M-032-2</b> Kerani Penajajaminan Kemalangan Pelbagai – Peribadi (Insuran Kesihatan) <i>Miscellaneous Accident Underwriting Clerk - Personal (Health Insurance)</i> (19-07-2001)	<b>M-033-2</b> Kerani Penajajaminan Kemalangan Pelbagai – Peribadi (Insuran Peribadi) <i>Miscellaneous Accident Underwriting Clerk - Personal (Personal Accident)</i> (19-07-2001)		
L1	Tiada Tahap ( <i>No Level</i> )			
	Penajajaminan Kemalangan Pelbagai ( <i>Miscellaneous Accident Underwriting</i> )			
	Liabiliti ( <i>Liability</i> )			
L5	Belum ada ( <i>Not Available</i> )			
L4				
L3	<b>M-034-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – (Insurans Liabiliti Produk) <i>Miscellaneous Accident Underwriting Executive - Liability (Product Liability Insurance)</i> (19-07-2001)	<b>M-035-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – (Insurans Liabiliti Awam / Liabiliti Menyeluruh Am) <i>Miscellaneous Accident Underwriting Executive - Liability (Public Liability / Comprehensive General Liability (CGL))</i> (19-07-2001)	<b>M-036-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – (Insurans Indemniti Profesional) <i>Miscellaneous Accident Underwriting Executive - Liability (Professional Indemnity Insurance)</i> (19-07-2001)	<b>M-037-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – (Insurans Liabiliti Pengarah & Pegawai) <i>Miscellaneous Accident Underwriting Executive - Liability (Directors and Officers Liability Insurance)</i> (19-07-2001)
L2	<b>M-034-2</b> Kerani Penajajaminan Kemalangan Pelbagai – (Insurans Liabiliti Produk) <i>Miscellaneous Accident Underwriting Clerk - Liability (Product Liability Insurance)</i> (19-07-2001)	<b>M-035-2</b> Kerani Penajajaminan Kemalangan Pelbagai – (Insurans Liabiliti Awam / Liabiliti Menyeluruh Am) <i>Miscellaneous Accident Underwriting Clerk - Liability (Public Liability / Comprehensive General Liability (CGL))</i> (19-07-2001)	<b>M-036-2</b> Kerani Penajajaminan Kemalangan Pelbagai – (Insurans Indemniti Profesional) <i>Miscellaneous Accident Underwriting Clerk - Liability (Professional Indemnity Insurance)</i> (19-07-2001)	<b>M-037-2</b> Kerani Penajajaminan Kemalangan Pelbagai – (Insurans Liabiliti Pengarah & Pegawai) <i>Miscellaneous Accident Underwriting Clerk - Liability (Directors and Officers Liability Insurance)</i> (19-07-2001)
L1	Tiada Tahap ( <i>No Level</i> )			

	Penajajaminan Kemalangan Pelbagai ( <i>Miscellaneous Accident Underwriting</i> )			
	Kemalangan Am ( <i>General Accident</i> )			
L5	Belum ada ( <i>Not Available</i> )			
L4				
L3	<b>M-038-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – Kemalangan Am(Pampasan Pekerja/Liabiliti Majikan) <i>Miscellaneous Accident            Underwriting Executive –            General Accident            (Workmen’s            Compensation /            Employers’ Liability (EL))</i> (19-07-2001)	<b>M-039-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – Kemalangan Am( <i>Plate            Glass</i> ) <i>Miscellaneous Accident            Underwriting Executive –            General Accident (Plate            Glass)</i> (19-07-2001)	<b>M-040-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – Kemalangan Am(Insurans Pecah Masuk) <i>Miscellaneous Accident            Underwriting Executive            – General Accident            (Burglary Insurance)</i> (19-07-2001)	<b>M-041-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – Kemalangan Am(Semua Risiko-Kesan Peribadi) <i>Miscellaneous Accident            Underwriting Executive –            General Accident (All            Risks (Personnal Effects))</i> (19-07-2001)
L2	<b>M-038-2</b> Kerani Penajajaminan Kemalangan Pelbagai – Kemalangan Am(Pampasan Pekerja/Liabiliti Majikan) <i>Miscellaneous Accident            Underwriting Clerk            General Accident            (Workmen’s            Compensation /            Employers’ Liability (EL))</i> (19-07-2001)	<b>M-039-2</b> Kerani Penajajaminan Kemalangan Pelbagai – Kemalangan Am( <i>Plate            Glass</i> ) <i>Miscellaneous Accident            Underwriting Clerk –            General Accident (Plate            Glass)</i> (19-07-2001)	<b>M-040-2</b> Kerani Penajajaminan Kemalangan Pelbagai – Kemalangan Am(Insurans Pecah Masuk) <i>Miscellaneous Accident            Underwriting Clerk –            General Accident            (Burglary Insurance)</i> (19-07-2001)	<b>M-041-2</b> Kerani Penajajaminan Kemalangan Pelbagai – Kemalangan Am(Semua Risiko-Kesan Peribadi) <i>Miscellaneous Accident            Underwriting Clerk -            General Accident (All            Risks (Personnal Effects))</i> (19-07-2001)
L1	Tiada Tahap ( <i>No Level</i> )			

	Penajajaminan Kemalangan Pelbagai ( <i>Miscellaneous Accident Underwriting</i> )		
	Kemalangan Am ( <i>General Accident</i> )		
L5	Belum ada ( <i>Not Available</i> )		
L4			
L3	<b>M-042-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – Kemalangan Am (Insurans Wang) <i>Miscellaneous Accident Underwriting Executive – General Accident (Money Insurance)</i> (19-07-2001)	<b>M-043-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – Kemalangan Am (Jaminan Fideliti) <i>Miscellaneous Accident Underwriting Executive – General Accident (Fidelity Guarantee)</i> (19-07-2001)	<b>M-044-3</b> Eksekutif Penajajaminan Kemalangan Pelbagai – Kemalangan Am (Insurans Semua Risiko Peralatan) <i>Miscellaneous Accident Underwriting Executive – General Accident (Equipment All Risks Insurance)</i> (19-07-2001)
L2	<b>M-042-2</b> Kerani Penajajaminan Kemalangan Pelbagai – Kemalangan Am (Insurans Wang) <i>Miscellaneous Accident Underwriting Clerk General Accident (Money Insurance)</i> (19-07-2001)	<b>M-043-2</b> Kerani Penajajaminan Kemalangan Pelbagai – Kemalangan Am (Jaminan Fideliti) <i>Miscellaneous Accident Underwriting Clerk – General Accident (Fidelity Guarantee)</i> (19-07-2001)	<b>M-044-2</b> Kerani Penajajaminan Kemalangan Pelbagai – Kemalangan Am (Insurans Semua Risiko Peralatan) <i>Miscellaneous Accident Underwriting Clerk – General Accident (Equipment All Risks Insurance)</i> (19-07-2001)
L1	Tiada Tahap ( <i>No Level</i> )		

	Penajajaminan Kargo Marin ( <i>Marine Cargo Underwriting</i> )	Penajajaminan Kejuruteraan ( <i>Engineering Underwriting</i> )
L5	Belum ada ( <i>Not Available</i> )	
L4		
L3	<b>M-045-3</b> Eksekutif Penajajaminan Kargo Marin <i>Marine Cargo Underwriting Executive</i> (19-12-2002)	<b>M-046-3</b> Eksekutif Penajajaminan Insuran Kejuruteraan <i>Engineering Insurance Underwriting Executive</i> (19-12-2002)
L2	<b>M-045-2</b> Kerani Penajajaminan Kargo Marin <i>Marine Cargo Underwriting Clerk</i> (19-12-2002)	<b>M-046-2</b> Kerani Penajajaminan Insuran Kejuruteraan <i>Engineering Insurance Underwriting Clerk</i> (19-12-2002)
L1	Tiada Tahap ( <i>No Level</i> )	

	<b>Industri Insuran Kenderaan</b> <i>(Vehicle Insurance Industry)</i>
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>
<b>L4</b>	
<b>L3</b>	<b>FB-060-3</b> Adjuster Kanan Insuran Kenderaan Motor Senior Motor Vehicle Adjuster (25-10-10)
<b>L2</b>	<b>FB-060-2</b> Adjuster Insuran Kenderaan Motor Motor Vehicle Adjuster (25-10-10)
<b>L1</b>	<b>Tiada Tahap</b> <i>(No Level)</i>

## **SEKTOR 17**

### **TA: TEKSTIL & PAKAIAN / TEXTILE & APPAREL**

<b>BIL. NO.</b>	<b>SUB-SEKTOR/ SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
17.1	Tekstil & Pakaian/ <i>Textile &amp; Apparel</i>	K, TA	2	3	3	1	1	10
17.2	Pemesinan Tekstil / <i>Textile Machinery</i>	K	1	1	1	0	0	3
17.3	<i>Fiber Spinning</i>	TA	0	0	0	0	0	0
17.4	<i>Spinning</i>	TA	0	0	0	0	0	0
17.5	<i>Weaving</i>	TA	0	0	0	0	0	0
17.6	<i>Knitting</i>	TA	0	0	0	0	0	0
17.7	<i>Carpet Production</i>	TA	0	0	0	0	0	0
17.8	Pengeluaran Pakaian/ <i>Apparel Production</i>	TA	1	1	1	0	0	3
17.9	Rekabentuk Pakaian/ <i>Textile Design</i>	TA	1	1	1	0	0	3
	<b>Jumlah / Total</b>		5	6	6	1	1	<b>19</b>

### 17.1) SUB SEKTOR: TEKSTIL & PAKAIAN (TEXTILE & APPAREL)

	Jahitan Pakaian (Dressmaking)		Makmal Tekstil (Textile Laboratory)
L5	K-022-5 Pengurus Fesyen dan Pakaian (Fashion and Apparel Manager) (19-12-2000)		Belum ada (Not Available)
L4	K-022-4 Eksekutif Fesyen dan Pakaian (Fashion and Apparel Executive) (19-12-2000)		
L3	K-012-3 Penyelia Pembuat Pakaian Wanita (Dressmaker Supervisor) (19-12-94) (16-07-98) , (30-10-07)	TA-010-3 Penyelia Pembuat Pakaian Lelaki Tailor Supervisor (19-12-94) (16-07-98) (01-10-09)	K-050-3 Penyelia Makmal Tekstil Textile Lab Supervisor (11-03-2008)
L2	K-012-2 Pembuat Pakaian Wanita Kanan (Senior Dressmaker) (19-12-94) (16-07-98), (30-10-07)	TA-010-2 Pembuat Pakaian Lelaki Kanan Senior Tailor (19-12-94) (16-07-98) (01-10-09)	K-050-2 Penyelia Makmal Tekstil Textile Lab Supervisor (11-03-2008)
L1	K-012-1 Pembuat Pakaian Wanita (Dressmaker) (19-12-94) (16-07-98) , (30-10-07)	TA-010-1 Pembuat Pakaian Lelaki Tailor (19-12-94) (16-07-98) (01-10-09)	Tiada Tahap (No Level)

### 17.2) SUB SEKTOR: PEMESINAN TEKSTIL (TEXTILE MACHINERY)

	<b>Penyelenggaraan (Mesin Jahit) Maintenance (Sewing Machines)</b>
<b>L5</b>	Belum ada <i>(Not Available)</i>
<b>L4</b>	
<b>L3</b>	<b>K-030-3</b> Penyelia Mesin Jahit Industri <i>Industrial Sewing Machine Supervisor</i> (30-10-2003)
<b>L2</b>	<b>K-030-2</b> Juruteknik Kanan Mesin Jahit Industri <i>Industrial Sewing Machine Senior Technician</i> (30-10-2003)
<b>L1</b>	<b>K-030-1</b> Juruteknik Mesin Jahit Industri <i>Industrial Sewing Machine Technician</i> (30-10-2003)

**17.3) SUB SEKTOR: FIBER SPINNING**

-Nil-

**17.4) SUB SEKTOR : SPINNING**

-Nil-

**17.5) SUB SEKTOR : WEAVING**

-Nil-

**17.6) SUB SEKTOR: KNITTING**

-Nil-

**17.7) SUB SEKTOR: CARPET PRODUCTION**

-Nil-

**17.8) SUB SEKTOR: PENGELUARAN PAKAIAN (*APPAREL PRODUCTION*)**

	<b>Jahitan Industri</b> <b>(Industrial Sewing)</b>
<b>L5</b>	<b>Belum ada</b> <b>(Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>TA-020-3: 2011</b> Pembuatan Pakaian (Pengeluaran Pukal) <i>Apparel Manufacturing (Mass Production)</i> (25-04-2005) (20-12-2011)
<b>L2</b>	<b>TA-020-2: 2011</b> Pembuatan Pakaian (Pengeluaran Pukal) <i>Apparel Manufacturing (Mass Production)</i> (25-04-2005) (20-12-2011)
<b>L1</b>	<b>TA-020-1: 2011</b> Pembuatan Pakaian (Pengeluaran Pukal) <i>Apparel Manufacturing (Mass Production)</i> (25-04-2005) (20-12-2011)

**17.9) SUB SEKTOR: REKABENTUK PAKAIAN (*TEXTILE DESIGN*)**

	<b>Jahitan Kreatif</b> <i>(Creative Sewing)</i>
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>
<b>L4</b>	
<b>L3</b>	<b>TA-012-3</b> Penyelia Jahitan Kreatif <i>Creative Sewing Supervisor</i> (01-10-09)
<b>L2</b>	<b>TA-012-2</b> Pembuat Kanan Jahitan Kreatif <i>Creative Sewing Senior Maker</i> (01-10-09)
<b>L1</b>	<b>TA-012-1</b> Pembuat Jahitan Kreatif <i>Creative Sewing Maker</i> (01-10-09)

## **SEKTOR 18:**

### **AF: PERTANIAN & ASAS TANI / AGRICULTURE & AGROBASED**

<b>BIL NO</b>	<b>SUB-SEKTOR/ SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
18.1	Akuakultur/Aquaculture	AF	1	4	6	4	4	19
18.2	Tangkapan Perikanan/Capture Fishery	Y,AF	2	2	2	1	0	7
18.3	Food Floriculture & Industrial Crop	Y,AF	5	14	13	6	6	44
18.4	Livestock Husbandry-FEED	AF	0	0	0	0	0	0
18.5	Livestock Husbandry-HERB HEALTH	AF	0	0	0	0	0	0
18.6	Livestock Husbandry-PRODUCTION	Y, AF	2	4	4	3	3	16
18.7	Livestock Husbandry-SLAUGHTERER HOUSE		0	0	0	0	0	0
	<b>Jumlah / Total</b>		10	24	25	14	13	<b>86</b>

### 18.1) SUB SEKTOR: AKUAKULTUR (AQUACULTURE)

	<b>Akuakultur Marin (Aquaculture-Marine)</b>		
<b>L5</b>	<b>Y-021-5</b> Pengurus Akuakultur <i>(Aquaculture Manager)</i> (30-10-2003)		
<b>L4</b>	<b>Y-021-4</b> Eksekutif Akuakultur <i>(Aquaculture Executive)</i> (30-10-2003)		
<b>L3</b>	<b>Y-022-3</b> Juruteknik Akuakultur (Ikan) <i>(Aquaculture Technician (Fish))</i> (18-07-2002)	<b>AF-030-3</b> Juruteknik Akuakultur (Marin) <i>Aquaculture Technician (Marine)</i> (18-07-2002) (22-11-2007)	<b>Y-024-3</b> Juruteknik Akuakultur (Moluska) <i>(Aquaculture Technician (Mollusca))</i> (18-07-2002)
<b>L2</b>	<b>AF-030-2</b> Juruteknik Rendah Akuakultur <i>Aquaculture Junior Technician</i> (18-07-2002) (22-11-2007)		
<b>L1</b>	<b>Tiada Tahap (No Level)</b>		

	<b>Akuakultur Air Tawar (Fresh Water Aquaculture)</b>		
<b>L5</b>	<b>AF-032-5</b> Pengurus Akuakultur (Ikan Hiasan) <i>Aquaculture Manager (Ornamental Fish)</i> (22-08-11)	<b>AF-033-5:2012</b> Pengurusan Pengeluaran Benih Ikan Air Tawar <i>Fresh Water Fish Egg Production Management</i> (05-04-2012)	<b>AF-031-5</b> Pengurus Akuakultur Ternakan Air Tawar <i>Fresh Water Aquaculture Manager</i> (19-4-2011)
<b>L4</b>	<b>AF-032-4</b> Eksekutif Akuakultur (Ikan Hiasan) <i>Aquaculture Executive (Ornamental Fish)</i> (22-08-11)	<b>AF-033-4:2012</b> Pengurusan Pengeluaran Benih Ikan Air Tawar <i>Fresh Water Fish Egg Production Management</i> (05-04-2012)	<b>AF-031-4</b> Eksekutif Akuakultur Ternakan Air Tawar <i>Fresh Water Aquaculture Executive</i> (19-4-2011)
<b>L3</b>	<b>AF-032-3</b> Penyelia Akuakultur (Ikan Hiasan) <i>Aquaculture Supervisor (Ornamental Fish)</i> (19-4-2011)	<b>AF-033-3</b> Penyelia Akuakultur (Hatceri) <i>Aquaculture Supervisor (Hatchery)</i> (19-4-2011)	<b>AF-034-3</b> Penyelia Akuakultur (Ternakan Air Tawar) <i>Fresh Water Aquaculture Supervisor</i> (19-4-2011)
<b>L2</b>	<b>AF-032-2</b> Juruteknik Akuakultur (Ikan Hiasan) <i>Aquaculture Technician (Ornamental Fish)</i> (19-4-2011)	<b>AF-033-2</b> Juruteknik Akuakultur (Hatceri) <i>Aquaculture Technician (Hatchery)</i> (19-4-2011)	<b>AF-034-2</b> Juruteknik Akuakultur (Ternakan Air Tawar) <i>Fresh Water Aquaculture Technician</i> (19-4-2011)
<b>L1</b>	<b>AF-031-1</b> Operator Akuakultur <i>Aquaculture Operator</i> (19-4-2011)		

### 18.2) SUB SEKTOR: PERIKANAN TANGKAPAN (*CAPTURE FISHERY*)

	Perikanan ( <i>Fishery</i> )	
L5	Belum ada ( <i>Not Available</i> )	Belum ada ( <i>Not Available</i> )
L4	AF-020-4 Fishing Skipper <i>Fishing Skipper</i> (25-10-10)	
L3	AF-020-3 Nakhoda Teknologi Perikanan Tangkapan Pesisir <i>Fishing Skipper</i> (22-11-2007)	Y-020-3 Juruteknik Perikanan ( <i>Fishery Technician</i> ) (18-07-2002)
L2	AF-020-2 Pembantu Nakhoda Teknologi Perikanan Tangkapan <i>Assistant Fishing Skipper</i> (22-11-2007)	Y-020-2 Juruteknik Rendah Perikanan ( <i>Fishery Junior Technician</i> ) (18-07-2002)
L1	AF-020-1 Kru Mahir Teknologi Perikanan Tangkapan <i>Fishing Technology Crew</i> (22-11-2007)	Y-020-1 Pembantu Perikanan ( <i>Fishery Assistant</i> ) (18-07-2002)

### 18.3) SUB SEKTOR: *FOOD FLORICULTURE & INDUSTRIAL CROP*

	Tanaman Makanan & Hiasan ( <i>Crop-Food &amp; Ornamental</i> )			
L5	Y-050-5 Pengurus Ladang Pertanian ( <i>Agriculture Farm Manager</i> ) (17-04-2003)			AF-010-5 Pegawai Teknologi (Fertigasi) <i>Technology Officer (Fertigation)</i> (25-10-10)
L4	Y-050-4 Eksekutif Pertanian ( <i>Agriculture Executive</i> ) (17-04-2003)			AF-010-4 Penolong Pegawai Teknologi (Fertigasi) <i>Assistant Technology Officer</i> ( <i>Fertigation</i> ) (25-10-10)
L3	Y-050-3 Juruteknik Pertanian ( <i>Agriculture Technician</i> ) (17-04-2003)			AF-010-3 Penyelia Tanaman <i>Crops Supervisor</i> (22-11-2007)
L2	Y-051-2 Juruteknik Pertanian Rendah (Sayur-Sayuran) ( <i>Junior Agriculture Technician (Vegetable)</i> ) (17-04-2003)	Y-052-2 Juruteknik Pertanian Rendah (Buah-Buahan) ( <i>Junior Agriculture Technician (Fruits)</i> ) (17-04-2003)	Y-053-2 Juruteknik Pertanian Rendah (Tanaman Hiasan) ( <i>Junior Agriculture Technician (Floriculture)</i> ) (17-04-2003)	AF-010-2 Juruteknik Tanaman <i>Crops Technician</i> (22-11-2007)
L1	Y-050-1 Pekerja Ladang Pertanian ( <i>Agriculture Farm Worker</i> ) (17-04-2003)			AF-010-1 Pekerja Am Tanaman <i>Crops General Worker</i> (22-11-2007)

Pemprosesan Herba ( <i>Herbal Processing</i> )	
L5	Belum ada ( <i>Not Available</i> )
L4	
L3	AF-011-3:2012 Teknologi Pemprosesan Herba (Primer) <i>Herbal Processing Technology (Primer)</i> (05-04-2012)
L2	AF-011-2:2012 Teknologi Pemprosesan Herba (Primer) <i>Herbal Processing Technology (Primer)</i> (05-04-2012)
L1	Tiada Tahap ( <i>No Level</i> )

	Industri Pemprosesan Makanan ( <i>Food Processing Industry</i> )			
	Pemprosesan Makanan ( <i>Food Processing</i> )	Pengedaran Makanan ( <i>Food Distribution</i> )	Gudang ( <i>Warehouse</i> )	Pemasaran ( <i>Marketing</i> )
L5	<b>Y-040-5</b> Pengurus Pengeluaran – Pemprosesan Makanan ( <i>Production Manager – Food Processing</i> ) (28-08-2003)	<b>Y-070-5</b> Pengurus Jualan – Pengedaran Makanan ( <i>Sales Manager – Food Distribution</i> ) (28-08-2003)	Belum Ada ( <i>Not Available</i> )	<b>Y-090-5</b> Pengurus – Pengedaran Makanan ( <i>Marketing Manager – Food Distribution</i> ) (28-08-2003)
L4	<b>Y-040-4</b> Penolong Pengurus Pengeluaran – Pemprosesan Makanan ( <i>Assistant Production Manager – Food Processing</i> ) (28-08-2003)	<b>Y-070-4</b> Eksekutif Jualan – Pengedaran Makanan ( <i>Sales Manager – Food Distribution</i> ) (28-08-2003)		<b>Y-090-4</b> Penolong Pengurus Pemasaran – Pengedaran Makanan ( <i>Assistant Marketing Manager – Food Distribution</i> ) (28-08-2003)
L3	<b>Y-040-3</b> Penyelia Pengeluaran Pemprosesan Makanan ( <i>Food Processing Production Supervisor</i> ) (10-10-2002)	<b>Y-070-3</b> Penyelia Jualan (Pengedaran Makanan) ( <i>Sales Supervisor (Food Distribution)</i> ) (17-04-2003)	<b>Y-080-3</b> Penyelia Gudang (Pengedaran Makanan) ( <i>Warehouse Supervisor (Food Distribution)</i> ) (17-04-2003)	<b>Y-090-3</b> Penyelia Pemasaran – Pengedaran Makanan ( <i>Marketing Supervisor – Food Distribution</i> ) (19-06-2003)
L2	<b>Y-040-2</b> Operator Pengeluaran Kanan Pemprosesan Makanan ( <i>Senior Food Processing Production Operator</i> ) (10-10-2002)	<b>Y-070-2</b> Wakil Jualan (Pengedaran Makanan) ( <i>Sales Representative (Food Distribution)</i> ) (17-04-2003)	<b>Y-080-2</b> Pembantu Gudang (Pengedaran Makanan) ( <i>Storekeeper (Food Distribution)</i> ) (17-04-2003)	<b>Y-090-2</b> Wakil Pemasaran – Pengedaran Makanan ( <i>Marketing Representative – Food Distribution</i> ) (19-06-2003)
L1	<b>Y-040-1</b> Operator Pengeluaran Pemprosesan Makanan ( <i>Food Processing Production Operator</i> ) (10-10-2002)	Tiada Tahap ( <i>No Level</i> )		

	<b>Agriculture Based Product)</b>		
	<b>Branding, Labelling &amp; Packaging</b>	<b>Penanaman Cendawan</b>	<b>Pemprosesan Produk Perikanan</b>
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>		
<b>L4</b>			
<b>L3</b>	<b>AF-012-3:2012</b> Operasi Pembungkusan Hasil Produk Pemprosesan Makanan <i>Processed Food Product Packaging Operation (Semi/Finish Product)</i> (05-04-2012)	<b>AF-013-3:2012</b> Pengendalian Tanaman Cendawan (Tanah Rendah) <i>Mushroom Farm Handling</i> (05-04-2012)	<b>AF-014-3:2012</b> Pemprosesan & Kawalan Kualiti Produk Perikanan <i>(Fish Based Product Processing &amp; Quality Control)</i> (05-04-2012)
<b>L2</b>	<b>AF-012-2:2012</b> Operasi Pembungkusan Hasil Produk Pemprosesan Makanan <i>Processed Food Product Packaging Operation (Semi/Finish Product)</i> (05-04-2012)	<b>Tiada Tahap</b> <i>(No Level)</i>	<b>AF-014-2:2012</b> Pemprosesan Produk Perikanan <i>(Fish Based Product Processing)</i> (05-04-2012)
<b>L1</b>	<b>Tiada Tahap</b> <i>(No Level)</i>		

	<b>Jaminan Mutu (Quality Control)</b>	
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>	
<b>L4</b>		
<b>L3</b>	<b>AF-090-3</b> Penyelia Jaminan Mutu <i>Quality Control Supervisor</i> (25-10-10)	
<b>L2</b>	<b>AF-090-2</b> Pembantu Jaminan Mutu <i>Quality Control Assistant</i> (25-10-10)	
<b>L1</b>	<b>Tiada Tahap</b> <i>(No Level)</i>	
	<b>Pengeluaran Padi (Paddy Plantation)</b>	<b>Pengilangan Padi (Paddy Factory)</b>
<b>L4</b>	<b>Belum ada</b> <i>(Not Available)</i>	
<b>L5</b>		
<b>L3</b>	<b>AF-051-3</b> Penyelia Ladang Padi <i>Paddy Plantation Supervisor</i> (25-10-10)	<b>AF-052-3</b> Penyelia Kilang Padi <i>Paddy Factory Supervisor</i> (25-10-10)
<b>L2</b>	<b>AF-051-2</b> Pekerja Kanan Ladang Padi <i>Paddy Plantation Senior Worker</i> (25-10-10)	<b>AF-052-2</b> Operator Kilang Padi <i>Paddy Factory Operator</i> (25-10-10)
<b>L1</b>	<b>AF-051-1</b> Pekerja Am Ladang Padi <i>Paddy Plantation General Worker</i> (25-10-10)	<b>AF-052-1</b> Pekerja Am Kilang Padi <i>Paddy Factory General Worker</i> (25-10-10)

	<b>Aktiviti Industri Berkaitan Pertanian (Agriculture Related Industrial Activities)</b>
<b>L5</b>	<b>Y-060-5</b> Pengurus Penyelidikan dan Pembangunan (Aktiviti-Aktiviti Industri Berkaitan Pertanian) ( <i>Research &amp; Development Manager (Agriculture Related Industrial Activities)</i> ) (17-04-2003)
<b>L4</b>	<b>Y-060-4</b> Eksekutif Penyelidikan dan Pembangunan (Aktiviti-Aktiviti Industri Berkaitan Pertanian) ( <i>Research &amp; Development Executive (Agriculture Related Industrial Activities)</i> ) (17-04-2003)
<b>L3</b>	<b>Tiada Tahap (No Level)</b>
<b>L2</b>	
<b>L1</b>	

#### 18.4) SUB SEKTOR: *LIVESTOCK HUSBANDRY – FEED*

-Nil-

#### 18.5) SUB SEKTOR: *LIVESTOCK HUSBANDRY - HERD HEALTH*

-Nil-

#### 18.6) SUB SEKTOR: *LIVESTOCK HUSBANDRY- PRODUCTION*

	<b>Ternakan (Livestock)</b>		
	<b>Poltri (Baka, Pedaging, Penelor &amp; Penetasan) (Poultry (Breeder, Layer, Broiler, Hatchery) )</b>	<b>Abbatoir (Meat &amp; Poultry)</b>	<b>Ruminan (Fidlot,Integrasi &amp;Tenusu) (Ruminant (Feedlot, Integrated &amp; Dairy)</b>
<b>L5</b>	<b>Y-011-5</b> Pengurus Ladang Poltri ( <i>Poultry Farm Manager</i> ) (10-10-02)	<b>AF-070-5:2012</b> Pengurusan Penyembelihan <i>Abbatoir Management</i> (05-04-2012)	<b>AF-060-5</b> Pengurus Ladang Ruminan ( <i>Ruminant Farm Manager</i> ) (10-10-02) (22-08-11)
<b>L4</b>	<b>Y-011-4</b> Penolong Pengurus Ladang Poltri ( <i>Assistant Poultry Farm Manager</i> ) (10-10-02)	<b>AF-070-4:2012</b> Pengurusan Penyembelihan <i>Abbatoir Management</i> (05-04-2012)	<b>AF-060-4</b> Penolong Pengurus Ladang Ruminan ( <i>Assistant Ruminant Farm Manager</i> ) (10-10-02) (22-08-11)
<b>L3</b>	<b>Y-011-3</b> Juruteknik Ladang Poltri ( <i>Poultry Farm Technician</i> ) (10-10-02)	<b>AF-070-3</b> Penyelia Penyembelihan <i>Abbatoir Supervisor</i> (25-10-10)	<b>AF-060-3</b> Penyelia Ladang Ruminan ( <i>Ruminant Farm Supervisor</i> ) (10-10-02) (19-4-2011)
<b>L2</b>	<b>Y-011-2</b> Juruteknik Rendah Ladang Poltri ( <i>Poultry Farm Junior Technician</i> ) (10-10-02)	<b>AF-070-2</b> Pekerja Penyembelihan <i>Abbatoir Worker</i> (25-10-10)	<b>AF-060-2</b> Pembantu Ladang Ruminan ( <i>Ruminant Farm Assistant</i> ) (10-10-02) (19-4-2011)
<b>L1</b>	<b>Y-011-1</b> Pekerja Ladang Ternakan Poltri ( <i>Poultry Farmhand</i> ) (10-10-02)	<b>AF-060-1</b> Pekerja Ladang Ruminan ( <i>Ruminant Farmhand</i> ) (10-10-02) (19-4-2011)	

	<b>Perladangan Sarang Burung Walit</b> <i>(Bird Nest Farm(Walit))</i>
<b>L5</b>	Belum ada <i>(Not Available)</i>
<b>L4</b>	
<b>L3</b>	<b>AF-061-3</b> Penyelia Ladang Sarang Burung Walit <i>Bird Nest Farm Supervisor (Walit)</i> (22-08-11)
<b>L2</b>	<b>AF-061-2</b> Pembantu Ladang Sarang Burung Walit <i>Bird Nest Farm Assistant (Walit)</i> (22-08-11)
<b>L1</b>	Tiada Tahap <i>(No Level)</i>

**18.7) SUB SEKTOR: LIVESTOCK HUSBANDRY- SLAUGHTER HOUSE**

-Nil-

## **SEKTOR 19**

### **RB: SUMBER ASAS / RESOURCE BASED**

<b>BIL. NO</b>	<b>SUB-SEKTOR/ <i>SUB-SECTOR</i></b>	<b>Kod/ <i>Code</i></b>	<b>T1/ <i>L1</i></b>	<b>T2/ <i>L2</i></b>	<b>T3/ <i>L3</i></b>	<b>T4/ <i>L4</i></b>	<b>T5/ <i>L5</i></b>	<b>Jumlah (<i>Total</i>)</b>
19.1	Kerja Kayu & Perabot / <i>Woodworking &amp; Furniture</i>	A,RB	4	4	5	1	1	15
19.2	Getah & Hasil Getah / <i>Rubber &amp; Rubber Based Product</i>	RB	4	6	7	2	2	21
19.3	Kelapa Sawit & Hasil Kelapa Sawit/ <i>Palm Oil &amp; Oil Palm Product</i>	Y,RB	3	4	4	2	2	15
19.4	<i>Timber, Pulp &amp; Paper</i>	RB	3	3	2	0	0	8
	<b>Jumlah / <i>Total</i></b>		14	17	18	5	5	<b>59</b>

### 19.1) SUB SEKTOR: KERJA KAYU & PERABOT (WOODWORKING & FURNITURE)

	Pembuat Alas (Upholster)	Perabot (Furniture)	Kerjakayu (Woodworking)		Kerja Kayu Arkitektur (Architectural Woodwork)
L5	Belum ada (Not Available)	RB-053-5 Pengurus Pengeluaran Perabot (Furniture Production Manager) (19-4-2011)			
L4		RB-053-4 Eksekutif Pengeluaran Perabot (Furniture Production Executive) (19-4-2011)			
L3	RB-052-3 Penyelia Pembuatan Alas (Upholstering Supervisor) (06-07-2000) (23-06-2009)	RB-050-3 Penyelia Pembuat Perabot (Furniture Maker Supervisor) (28-04-94) (24-03-09)	A-020-3 Juruteknik Binaan Bangunan Berasaskan Kayu (Wood Based Building Construction Technician) (10-04-95)	A-021-3 Jurumesin Kayu (Wood Machinist) (28-11-95)	RB-051-3 Penyelia Tukang Kayu Kanan-Kerja Kayu Dalam Interior Wood Work Senior Carpenter Supervisor (24-03-09)
L2	RB-052-2 Pembuat Alas Kanan (Senior Upholster) (06-07-2000) (23-06-2009)	RB-050-2 Pembuat Perabot Kanan (Senior Furniture Maker) (28-04-94) (24-03-09)	A-020-2 Jurubina Bangunan Berasaskan Kayu (Wood Based Building Constructor) (10-04-95)		RB-051-2 Tukang Kayu Kanan-Kerja Kayu Dalam Interior Wood Work Senior Carpenter (24-03-09)
L1	RB-052-1 Pembuat Alas ( Upholster) (06-07-2000) (23-06-2009)	RB-050-1 Pembuat Perabot (Furniture Maker) (28-04-94) (24-03-09)	A-020-1 Jurubina Bangunan Berasaskan Kayu (Wood Based Building Constructor) (10-04-95)		RB-051-1 Tukang Kayu-Kerja Kayu Dalam Interior Wood Work Carpenter (24-03-09)

### 19.2) SUB SEKTOR: GETAH & HASIL GETAH (RUBBER AND RUBBER BASED PRODUCT)

	Getah Standard Malaysia (Standard Malaysian Rubber –SMR)		Rawatan Efluen (Effluent Treatment)
L5	Belum ada (Not Available)		
L4			
L3	<b>RB-010-3</b> Penyelia SMR SMR Supervisor (24-03-09)	<b>RB-011-3</b> Penyelia Makmal DRC Dry Rubber Content(DRC) Laboratory Supervisor (24-03-09)	<b>RB-012-2</b> Penyelia Loji Efluen Effluent Plant Supervisor (24-03-09)
L2	<b>RB-010-2</b> Line Leader SMR SMR Line Leader (24-03-09)	Tiada Tahap (No Level)	<b>RB-012-2</b> Juruteknik Loji Efluen Effluent Plant Technician (24-03-09)
L1	<b>RB-010-1</b> Operator SMR SMR Operator (24-03-09)		<b>RB-012-1</b> Operator Loji Efluen Effluent Plant Operator (24-03-09)

	<b>Dipping(Dipping)</b>	<b>Penyebatian Lateks (Latex Compounding)</b>	<b>Jaminan Kualiti Getah (Rubber Quality Assurance)</b>	<b>Perladangan Getah (Rubber Plantation)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>	<b>RB-013-5</b> Pengurus-Penyebatian Lateks <i>Latex Compounding Manager</i> (23-06-09)	<b>RB-014-5</b> Pengurus Jaminan Kualiti Getah <i>Rubber Quality Assurance Manager</i> (23-06-09)	<b>Belum ada (Not Available)</b>
<b>L4</b>		<b>RB-013-4</b> Eksekutif-Penyebatian Lateks <i>Latex Compounding Executive</i> (23-06-09)	<b>RB-014-4</b> Eksekutif Jaminan Kualiti Getah <i>Rubber Quality Assurance Executive</i> (23-06-09)	
<b>L3</b>	<b>RB-020-3</b> Penyelia Dipping Line <i>Dipping Line Supervisor</i> (24-03-09)	<b>RB-013-3</b> Penyelia-Penyebatian Lateks <i>Latex Compounding Supervisor</i> (23-06-09)	<b>RB-014-3</b> Penyelia Jaminan Kualiti Getah <i>Rubber Quality Assurance Supervisor</i> (23-06-09)	<b>RB-015-3</b> Konduktor Estet <i>Estate Conductor</i> (23-06-09)
<b>L2</b>	<b>RB-020-2</b> Line Leader Dipping <i>Dipping Line Leader</i> (24-03-09)	<b>RB-013-2</b> Ketua-Penyebatian Lateks <i>Latex Compounding Leader</i> (23-06-09)	<b>RB-014-2</b> Inspektor Jaminan Kualiti Getah <i>Rubber Quality Assurance Inspector</i> (23-06-09)	<b>RB-015-2</b> Mandur Ladang Getah <i>Mandore-Rubber Plantation</i> (23-06-09)
<b>L1</b>	<b>RB-020-1</b> Lineman-Dipping <i>Dipping Lineman</i> (24-03-09)	<b>RB-013-1</b> Pekerja Penyebatian Lateks <i>Latex Compounder</i> (23-06-09)	<b>Tiada Tahap (No Level)</b>	

**19.3) SUB SEKTOR: KELAPA SAWIT & HASIL KELAPA SAWIT (PALM OIL AND OIL PALM PRODUCT)**

	<b>Perladangan (Plantation)</b>	<b>Pengilangan Kelapa Sawit (Palm Oil Mill)</b>	
<b>L5</b>	<b>Y-030-5</b> Pengurus Ladang Kelapa Sawit <i>Estate Manager (Palm Oil)</i> (19-06-2003)	<b>RB-080-5:2011</b> Pemprosesan Minyak Sawit <i>Palm Oil Processing</i> (17-04-2003) (20-12-2011)	
<b>L4</b>	<b>Y-030-4</b> Penolong Pengurus Ladang Kelapa Sawit <i>Assistant Estate Manager (Palm Oil)</i> (19-06-2003)	<b>RB-080-4:2011</b> Pemprosesan Minyak Sawit <i>Palm Oil Processing</i> (17-04-2003) (20-12-2011)	
<b>L3</b>	<b>Y-030-3</b> Konduktor Ladang Kanan <i>Senior Estate Conductor</i> (29-08-2002)	<b>RB-080-3:2011</b> Pengeluaran Minyak Sawit <i>Palm Oil Milling</i> (17-04-2003) (20-12-2011)	<b>Y-033-3</b> Juruteknik Penyelenggaraan (Kilang Minyak Sawit) <i>Maintenance Technician (Palm Oil) Mill</i> (17-04-2003)
<b>L2</b>	<b>Y-030-2</b> Konduktor Ladang <i>Estate Conductor</i> (29-08-2002)	<b>RB-080-3:2011</b> Pengeluaran Minyak Sawit <i>Palm Oil Milling</i> (17-04-2003) (20-12-2011)	<b>Y-033-2</b> Pembantu Juruteknik Penyelenggaraan (Kilang Minyak Sawit) <i>Assistant Maintenance Technician (Palm Oil Mill)</i> (17-04-2003)
<b>L1</b>	<b>Y-030-1</b> Mandur <i>Mandore</i> (29-08-2002)	<b>Tiada Tahap (No Level)</b>	<b>Y-031-1</b> Operator Pengeluaran (Kilang minyak Sawit) <i>Production Operator (Palm Oil Mill)</i> (17-04-2003)

	<b>Mekanisasi Perladangan Sawit (Oil Palm Plantation Mechanisation)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>Y-100-3</b> Penyelia Mekanisasi Perladangan Sawit <i>Oil Palm Plantation Mechanisation Supervisor</i> (6-3-2007)
<b>L2</b>	<b>Y-100-2</b> Operator Mekanisasi Perladangan Sawit Gred 1 <i>Oil Palm Plantation Mechanisation Operator Grade 1</i> (6-3-2007)
<b>L1</b>	<b>Y-100-1</b> Operator Mekanisasi Perladangan Sawit Gred 2 <i>Oil Palm Plantation Mechanisation Operator Grade 2</i> (6-3-2007)

19.4) SUB SEKTOR: *TIMBER, PULP & PAPER*

	Perkayuan (Timber)	Proses (Process)	Penyudahan Kerja (Finishing)	Jaminan Kualiti (Quality Assurance)
L5	Belum ada (Not Available)			
L4				
L3	Belum ada (Not Available)	<b>RB-071-3</b> Penyelia Pengeluaran <i>Production Supervisor</i> (10-12-10)	<b>RB-072-3</b> Penyelia Penyudahan Kerja <i>Finishing Supervisor</i> (10-12-10)	Belum ada (Not Available)
L2	<b>RB-070-2</b> Operator Kanan Perkayuan <i>Timber Senior Operator</i> (10-12-10)	<b>RB-071-2</b> Operator Kanan Mesin Kerja Kayu <i>Woodworking Machine</i> <i>Senior Operator</i> (10-12-10)	<b>RB-072-2</b> Operator Kanan Penyudah Kerja <i>Finishing Senior Operator</i> (10-12-10)	
L1	<b>RB-070-1</b> Operator Perkayuan <i>Timber Operator</i> (10-12-10)	<b>RB-071-1</b> Operator Mesin Kerja Kayu <i>Woodworking Machine</i> <i>Operator</i> (10-12-10)	<b>RB-072-1</b> Operator Penyudah Kerja <i>Finishing Operator</i> (10-12-10)	

## **SEKTOR 20**

### **BT: BIOTEKNOLOGI / BIOTECHNOLOGY (BIOTECH)**

<b>BIL. NO</b>	<b>SUB-SEKTOR/ <i>SUB-SECTOR</i></b>	<b>Kod/ <i>Code</i></b>	<b>T1/ <i>L1</i></b>	<b>T2/ <i>L2</i></b>	<b>T3/ <i>L3</i></b>	<b>T4/ <i>L4</i></b>	<b>T5/ <i>L5</i></b>	<b>Jumlah (<i>Total</i>)</b>
20.1	Bioteknologi Penjagaan Kesehatan/ <i>Healthcare Biotechnology</i>	BT	0	0	0	0	0	0
20.2	Bioteknologi Pertanian/ <i>Agriculture Biotechnology</i>	BT	0	3	3	1	1	8
20.3	Bioteknologi Perindustrian/ <i>Industrial Biotechnology</i>	BT	2	3	4	2	2	13
<b>Jumlah / <i>Total</i></b>			2	6	7	3	3	<b>21</b>

**20.1) SUB SEKTOR: BIOTEKNOLOGI PENJAGAAN KESIHATAN (HEALTHCARE BIOTECH)**

-Nil-

**20.2) SUB SECTOR: BIOTEKNOLOGI PERTANIAN (AGRICULTURE BIOTECH)**

	<b>Bioteknologi Am (General Biotechnology)</b>	<b>Analitikal (Analytical)</b>
<b>L5</b>	<b>BT-023-5</b> Pengurus Makmal Bioteknologi <i>Biotechnology Laboratory Manager</i> (10-12-10)	
<b>L4</b>	<b>BT-023-4</b> Penolong Pengurus Makmal Bioteknologi <i>Biotechnology Laboratory Assistant Manager</i> (10-12-10)	
<b>L3</b>	<b>BT-020-3</b> Juruteknik Kanan Makmal Bioteknologi Umum <i>Senior General Biotechnology Laboratory Technician</i> (23-06-2009)	<b>BT-022-3</b> Juruteknik Kanan Makmal Analitikal <i>Analytical Laboratory Senior Technician</i> (25-10-10)
<b>L2</b>	<b>BT-020-2</b> Juruteknik Makmal Bioteknologi Umum <i>General Biotechnology Laboratory Technician</i> (23-06-2009)	<b>BT-022-2</b> Juruteknik Makmal Analitikal <i>Analytical Laboratory Technician</i> (25-10-10)
<b>L1</b>	Tiada Tahap <i>(No Level)</i>	

	<b>Pengkulturan (Culture)</b>	<b>Bioteknologi Am (General Biotechnology)</b>
<b>L5</b>	<b>BT-010-4: 2011</b> Pengurusan Teknologi Makmal Kultur Tisu <i>Tissue Culture Technology Laboratory Management</i> (20-12-2011)	<b>BT-023-5</b> Pengurus Makmal Bioteknologi <i>Biotechnology Laboratory Manager</i> (10-12-10)
<b>L4</b>	<b>BT-010-4: 2011</b> Pengurusan Teknologi Makmal Kultur Tisu <i>Tissue Culture Technology Laboratory Management</i> (20-12-2011)	<b>BT-023-4</b> Penolong Pengurus Makmal Bioteknologi <i>Biotechnology Laboratory Assistant Manager</i> (10-12-10)
<b>L3</b>	<b>BT-021-3</b> Juruteknik Kanan Makmal Kultur <i>Culture Laboratory Senior Technician</i> (25-10-10)	
<b>L2</b>	<b>BT-021-2</b> Juruteknik Makmal Kultur <i>Culture Laboratory Technician</i> (25-10-10)	
<b>L1</b>	Tiada Tahap <i>(No Level)</i>	

20.3) SUB SEKTOR : BIOTEKNOLOGI PERINDUSTRIAN (*INDUSTRIAL BIOTECH*)

	<b>Pengeluaran Bioproses ( Ekstraksi Herba)</b> <i>Bioprocess Production (Herbal Extraction)</i>	<b>Pengeluaran Bioproses ( Fermentasi &amp; Mikrobiologi)</b> <i>Bioprocessing Production (Fermentation &amp; Microbiology)</i>
<b>L5</b>	<b>BT-042-5: 2011</b> Pengurusan Pemprosesan Herba <i>Herbal Processing Management</i> (20-12-2011)	<b>BT-041-5: 2011</b> Pengurusan Fermentasi Bioproses <i>Bioprocess Fermentation Management</i> (20-12-2011)
<b>L4</b>	<b>BT-042-4: 2011</b> Pengurusan Pemprosesan Herba <i>Herbal Processing Management</i> (20-12-2011)	<b>BT-041-4: 2011</b> Pengurusan Fermentasi Bioproses <i>Bioprocess Fermentation Management</i> (20-12-2011)
<b>L3</b>	<b>BT-042-3</b> Penyelia Proses Herba <i>Herbal Process Supervisor</i> (25-10-10)	<b>BT-041-3</b> Penyelia Bioproses <i>Bioprocess Supervisor</i> (25-10-10)
<b>L2</b>	<b>BT-042-2</b> Pembantu Proses Herba <i>Herbal Process Plant Assistant</i> (25-10-10)	<b>BT-041-2</b> Pembantu Bioproses <i>Bioprocess Plant Assistant</i> (25-10-10)
<b>L1</b>	<b>BT-042-1</b> Operator Mesin Proses Herba <i>Herbal Process Machine Operator</i> (25-10-10)	<b>BT-041-1</b> Operator Mesin Bioproses <i>Bioprocess Machine Operator</i> (25-10-10)

	<b>Bioteknologi</b> <i>(Biotechnology)</i>
<b>L5</b>	<b>Belum ada</b> <i>(Not Available)</i>
<b>L4</b>	
<b>L3</b>	<b>BT-010-3</b> Pengaturcara Bioinformatik <i>Bioinformatics Programmer</i> (18-11-08)
<b>L2</b>	<b>BT-010-2</b> Pembantu Pengaturcara Bioinformatik <i>Bioinformatics Assistant Programmer</i> (18-11-08)
<b>L1</b>	<b>Tiada Tahap</b> <i>(No Level)</i>

	<b>Instrumentasi</b> <b>(Instrumentation)</b>
<b>L5</b>	<b>BT-030-5</b> Pengurus Instrumentasi Makmal Bioteknologi <i>Biotechnology Laboratory Instrumentation Manager</i> (25-10-10)
<b>L4</b>	<b>BT-030-4</b> Penolong Pengurus Instrumentasi Makmal Bioteknologi <i>Biotechnology Laboratory Instrumentation Assistant Manager</i> (25-10-10)
<b>L3</b>	<b>BT-030-3</b> Juruteknik Kanan Instrumentasi Bioteknologi <i>Biotechnology Instrumentation Senior Technician</i> (25-10-10)
<b>L2</b>	<b>Tiada Tahap</b> <b>(No Level)</b>
<b>L1</b>	

**SEKTOR 21:**

**ET: PENDIDIKAN & PERKHIDMATAN LATIHAN /  
EDUCATION & TRAINING SERVICES**

<b>BIL. NO.</b>	<b>SUB-SEKTOR/SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
21.1	Penyelidik Islam/ <i>Islamic Researcher</i>	ET	0	0	0	1	1	2
21.2	Pengajar/ <i>Instructor</i>	I	0	0	1	1	1	3
21.3	Penyeliaan/ <i>Supervisory</i>	T	0	0	1	0	0	1
	<b>Jumlah / Total</b>		0	0	2	2	2	<b>6</b>

### 21.1) SUB SEKTOR: PENYELIDIK ISLAM (*ISLAMIC RESEARCHER*)

	<b>Penyelidik Islam</b> <b>(Islamic Researcher)</b>
<b>L5</b>	<b>ET-010-5</b> Penyelidik Islam - Mu'tabar Kanan <i>Senior Islamic Researcher- Mu' tabar</i> (18-11-08)
<b>L4</b>	<b>ET-010-4</b> Penyelidik Islam - Mu'tabar <i>Islamic Researcher- Mu' tabar</i> (18-11-08)
<b>L3</b>	<b>Tiada Tahap</b> <b>(No Level)</b>
<b>L2</b>	
<b>L1</b>	

### 21.2) SUB SEKTOR: PENGAJAR (*INSTRUCTOR*)

	<b>Latihan Vokasional</b> <b>(Vocational Training)</b>
<b>L5</b>	<b>I-031-5</b> Pengurus Latihan Vokasional <i>Vocational Training Manager</i> (25-10-96), (24-06-04)
<b>L4</b>	<b>I-031-4</b> Eksekutif Latihan Vokasional <i>Vocational Training Executive</i> (25-10-96), (24-06-04)
<b>L3</b>	<b>I-031-3</b> Pegawai Latihan Vokasional <i>Vocational Training Officer</i> (25-10-96), (24-06-04)
<b>L2</b>	<b>Tiada Tahap</b> <b>(No Level)</b>
<b>L1</b>	

### 21.3) SUB SEKTOR: PENYELIAAN (*SUPERVISORY*)

	Penyeliaan ( <i>Supervisory</i> )
L5	Belum ada ( <i>Not Available</i> )
L4	
L3	<b>T-010</b> Penyeliaan (Dokumen ini digunakan bersama NOSS-NOSS Yang Bertanda @ di atas) (( <i>Supervisory</i> ) ( <i>This document is to be used with the NOSSES indicated by @ above</i> )) (10-04-95)
L2	Tiada Tahap ( <i>No Level</i> )
L1	

## **SEKTOR 22**

### **OG: MINYAK & GAS / OIL & GAS**

<b>BIL. NO.</b>	<b>SUB-SEKTOR/ SUB- SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
22.1	Minyak/Oil	OG	0	1	4	0	0	5
22.2	Gas/Gas	FTG	1	1	1	0	0	3
22.3	Petrokimia/Petrochemical	PCO	0	0	0	0	0	0
	<b>Jumlah / Total</b>		1	2	5	0	0	<b>8</b>

## 22.1) SUB SEKTOR: MINYAK (OIL)

	Oil and Gas		
	Oil and Gas and Petrochemical		
	Piping	Metal Structure	Oil, Gas and Drilling
L5	Belum ada (Not Available)		
L4			
L3	OG-010-3:2011 Operasi Fabrikasi Paip Piping Fabrication Operation (20-12-2011)	OG-011-3:2011 Operasi Fabrikasi Struktur Logam Metal Structure Fabrication Operation (20-12-2011)	OG-012-3:2011 Operasi Drill Drilling Operation (20-12-2011)
L2	OG-010-2:2011 Operasi Fabrikasi Paip Piping Fabrication Operation (20-12-2011)	Tiada Tahap (No Level)	
L1	Tiada Tahap (No Level)		

	<b>Lukisan Kejuruteraan</b> <b>(Technical Drawing)</b>		
<b>L5</b>	<b>Belum ada</b>		
<b>L4</b>	<b>(Not Available)</b>		
<b>L3</b>	<b>OG-020-3:2012</b> Lukisan Kejuruteraan Teknikal Struktur ( Oil & Gas) <i>Structure Technical Drawing (Oil &amp; Gas)</i> (05-04-2012)		
<b>L2</b>	<b>Tiada Tahap</b> <b>(No Level)</b>		
<b>L1</b>	<b>Tiada Tahap</b> <b>(No Level)</b>		

## 22.2) SUB SEKTOR: GAS (*GAS*)

	<b>Pemasangan Paip Gas (Gas Pipe Installation)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>FTG3</b> Jurugegas Gas Kelas I <i>Gas Fitter Class I</i> (28-04-94) (08-11-01)
<b>L2</b>	<b>FTG2</b> Jurugegas Gas Kelas II <i>Gas Fitter Class II</i> (28-04-94) (08-11-01)
<b>L1</b>	<b>FTG1</b> Jurugegas Gas Kelas III <i>Gas Fitter Class III</i> (28-04-94) (08-11-01)

## 22.3) SUB SEKTOR: PETROKIMIA (*PETROCHEMICAL*)

-Nil-

**SEKTOR 23:**

**HI: INDUSTRI HALAL /  
HALAL INDUSTRY**

<b>BIL NO</b>	<b>SUB-SEKTOR/ SUB- SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
23.1	Makanan/ <i>Food</i>	HI	0	0	0	0	0	0
23.2	Perbankan/ <i>Banking</i>	HI	0	0	0	0	0	0
23.3	Perkhidmatan/ <i>Services</i>	HI	0	0	0	0	0	0
	<b>Jumlah / Total</b>		0	0	0	0	0	<b>0</b>

## **SEKTOR 24:**

### **IL: INDUSTRI PERKHIDMATAN LOGISTIK BERSEPADU / INTEGRATED LOGISTIC SERVICES INDUSTRY**

<b>BIL. NO.</b>	<b>SUB-SEKTOR/ SUB- SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
24.1	<i>Road Transport Services Provider</i>	IL	0	0	0	0	0	0
24.2	<i>Rail Transport Services Provider</i>	IL	0	0	0	0	0	0
24.3	<i>MTO Transport Operator</i>	IL	0	0	0	0	0	0
24.4	<i>Terminal Operation Services Provider</i>	IL	0	0	0	0	0	0
24.5	<i>Sea Transport Services Provider</i>	IL	0	0	0	0	0	0
24.6	<i>Facility Services Provider</i>	IL	0	0	0	0	0	0
24.7	<i>Distribution Services Provider</i>	IL	0	0	0	0	0	0
24.8	<i>Integrated Logistics Services Provider</i>	IL	0	0	0	0	0	0
	<b>Jumlah / Total</b>		0	0	0	0	0	<b>0</b>

## **SEKTOR 25:**

### **DT: PERNIAGAAN SECARA DISTRIBUTIF / DISTRIBUTIVE TRADE**

<b>BIL. NO.</b>	<b>SUB-SEKTOR/ SUB- SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
25.1	Borong/ <i>Wholesale</i>	DT	0	1	2	1	1	5
25.2	Peruncitan/ <i>Retail</i>	DT	2	2	2	1	1	8
25.3	Jualan Langsung/ <i>Direct Selling</i>	DT	0	0	0	0	0	0
25.4	Restoren & Katering/ <i>Restaurant &amp; Catering</i>	DT	0	0	0	0	0	0
25.5	Logistik/ <i>Logistic</i>	DT	0	0	0	0	0	0
25.6	Kendaraan Bermotor/ <i>Motor Vehicle</i>	DT	0	0	0	0	0	0
	<b>Jumlah / Total</b>		2	3	4	2	2	<b>13</b>

**25.1) SUB SEKTOR: JUALAN BORONG (WHOLESALE)**

	<b>Sale</b>	<b>Purchasing</b>
<b>L5</b>	<b>DT-020-5:2011</b> Operasi Jualan <i>Sales Operation</i> (20-12-2011)	Belum ada (Not Available)
<b>L4</b>	<b>DT-020-4:2011</b> Operasi Jualan <i>Sales Operation</i> (20-12-2011)	Belum ada (Not Available)
<b>L3</b>	<b>DT-020-3:2011</b> Operasi Jualan <i>Sales Operation</i> (20-12-2011)	<b>DT-021-3:2012</b> Operasi Pembelian ( Jualan Borong) <i>Purchasing Operation( Wholesale)</i> (05-04-2012)
<b>L2</b>	<b>DT-020-2:2011</b> Operasi Jualan <i>Sales Operation</i> (20-12-2011)	Tiada Tahap (No Level)
<b>L1</b>	Tiada Tahap (No Level)	Tiada Tahap (No Level)

**25.2) SUB SEKTOR: PERUNCITAN (RETAIL)**

	<b>Operasi (Operation)</b>	<b>Sokongan Jualan (Sales Support)</b>
<b>L5</b>	<b>DT-012-5</b> Penolong Pengurus Operasi Peruncitan <i>Retail Operation Assistant Manager</i> (10-12-10)	
<b>L4</b>	<b>DT-012-4</b> Eksekutif Operasi Peruncitan <i>Retail Operation Executive</i> (10-12-10)	
<b>L3</b>	<b>DT-010-3</b> Penyelia Jualan <i>Sales Supervisor</i> (10-12-10)	<b>DT-011-3</b> Penolong Ketua Juruwang <i>Assistant Chief Cashier</i> (10-12-10)
<b>L2</b>	<b>DT-010-2</b> Ketua Jualan <i>Sales Leader</i> (10-12-10)	<b>DT-011-2</b> Juruwang Kanan <i>Senior Cashier</i> (10-12-10)
<b>L1</b>	<b>DT-010-1</b> Pembantu Jualan <i>Sales Assistant</i> (10-12-10)	<b>DT-011-1</b> Juruwang <i>Cashier</i> (10-12-10)

## **SEKTOR 26:**

### **DS: PERTAHANAN & PERKHIDMATAN KESELAMATAN / DEFENSE & SECURITY SERVICES**

<b>BIL. NO.</b>	<b>SUB-SEKTOR/ SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
26.1	Perkhidmatan Pengawal Keselamatan/ <i>Guard Services</i>	SS,OT	0	2	2	1	1	6
26.2	<i>Cash In Transit (CIT)</i>	SS	1	1	1	0	0	3
26.3	Unit Anjing Pengesanan/ <i>Dog Unit</i>	SS	1	1	1	0	0	3
26.4	Sistem Pemantauan Berpusat/ <i>Control Monitoring System</i>	SS	1	2	1	0	0	4
26.5	Sistem Keselamatan Elektronik/ <i>Electronic Security System</i>	SS	0	1	1	0	0	2
26.6	Telekomunikasi Sistem Keselamatan/ <i>Telecommunication Security System</i>	EE	0	1	1	1	1	4
26.7	Telekomunikasi Operasi/ <i>Telecommunication-Operation</i>	EE	0	1	1	1	1	4
26.8	Perkhidmatan Penyiasatan/ <i>Investigation Services</i>	SS	0	1	1	0	0	2
26.9	Teknologi Senjata/ <i>Weapon Technology</i>	OT	1	3	3	0	0	7
26.10	Telekomunikasi Servis/ <i>Telecommunication Services</i>	OT	0	0	0	1	1	2
26.11	Keselamatan Pelabuhan/ <i>Port Security</i>	OT	1	1	1	1	1	5
	<b>Jumlah / Total</b>		5	14	13	5	5	<b>42</b>

## 26.1) SUB SEKTOR: PERKHIDMATAN PENGAWAL KESELAMATAN (*GUARD SERVICES*)

	<b>Perkhidmatan Pengawalan (Guard Services)</b>	
<b>L5</b>	<b>OT-020-5</b> Pengurus Operasi Keselamatan <i>Security Operation Manager</i> (23-06-2009)	
<b>L4</b>	<b>OT-020-4</b> Penolong Pengurus Operasi Keselamatan <i>Assistant Security Operation Manager</i> (23-06-2009)	
<b>L3</b>	<b>SS-014-3</b> Pengawal Peribadi (Pegawai Kawalan Rapi) <i>Bodyguard (Close Protection Officer)</i> (30-12-2003)	<b>SS-013-3</b> Penyelia Keselamatan <i>Security Supervisor</i> (27-02-2003)
<b>L2</b>	<b>SS-011-2</b> Pegawai Keselamatan Bersenjata <i>Armed Security Officer</i> (27-02-2003)	<b>SS-012-2</b> Pegawai Keselamatan <i>Security Officer</i> (27-02-2003)
<b>L1</b>	<b>SS-010-1</b> Pembantu Keselamatan <i>Security Assistant</i> (27-02-2003)	

## 26.2) SUB SEKTOR: CASH IN TRANSIT (*CIT*)

	<b>Penghantaran Wang (Cash In Transit (CIT))</b>	
<b>L5</b>	<b>OT-020-5</b> Pengurus Operasi Keselamatan <i>Security Operation Manager</i> (23-06-2009)	
<b>L4</b>	<b>OT-020-4</b> Penolong Pengurus Operasi Keselamatan <i>Assistant Security Operation Manager</i> (23-06-2009)	
<b>L3</b>	<b>SS-020-3</b> Penyelia Penghantaran Wang <i>Cash In Transit (CIT) Supervisor</i> (30-12-2003)	
<b>L2</b>	<b>SS-020-2</b> Pegawai Penghantaran Wang <i>Cash In Transit (CIT) Officer</i> (30-12-2003)	
<b>L1</b>	<b>SS-010-1</b> Pembantu Keselamatan <i>Security Assistant</i> (27-02-2003)	

**26.3) SUB SEKTOR: UNIT ANJING PENGESAN (DOG UNIT)**

	<b>Unit Anjing Pengesan (Dog Unit)</b>
<b>L5</b>	<b>OT-020-5</b> Pengurus Operasi Keselamatan <i>Security Operation Manager</i> (23-06-2009)
<b>L4</b>	<b>OT-020-4</b> Pembantu Pengurus Operasi Keselamatan <i>Assistant Security Operation Manager</i> (23-06-2009)
<b>L3</b>	<b>SS-030-3</b> Penyelia Keselamatan Unit Anjing (K9) <i>Dog Unit Security Supervisor (K9)</i> (30-12-2003)
<b>L2</b>	<b>SS-030-2</b> Pegawai Keselamatan Unit Anjing (K9) <i>Dog Unit Security Officer (K9)</i> (30-12-2003)
<b>L1</b>	<b>SS-010-1</b> Pembantu Keselamatan <i>Security Assistant</i> (27-02-2003)

**26.4) SUB SEKTOR: SISTEM PEMANTAUAN BERPUSAT (CONTROL MONITORING SYSTEM)**

	<b>Sistem Kawalan Pemantauan Control Monitoring System (CMS)</b>		
<b>L5</b>	<b>OT-020-5</b> Pengurus Operasi Keselamatan <i>Security Operation Manager</i> (23-06-2009)		
<b>L4</b>	<b>OT-020-4</b> Penolong Pengurus Operasi Keselamatan <i>Assistant Security Operation Manager</i> (23-06-2009)		
<b>L3</b>	<b>SS-042-3</b> Penyelia Sistem Kawalan Pemantauan Keselamatan <i>Control Monitoring System Security Supervisor</i> (30-12-2003)		
<b>L2</b>	<table border="1"> <tr> <td><b>SS-040-2</b> Pegawai Keselamatan Sistem Pemantauan Berpusat <i>Central Monitoring System (CMS) security Officer</i> (30-12-2003)</td><td><b>SS-041-2</b> Pegawai Bertindak Keselamatan Sistem Kawalan Pemantauan <i>Control Monitoring System (CMS) Security Response Officer</i> (30-12-2003)</td></tr> </table>	<b>SS-040-2</b> Pegawai Keselamatan Sistem Pemantauan Berpusat <i>Central Monitoring System (CMS) security Officer</i> (30-12-2003)	<b>SS-041-2</b> Pegawai Bertindak Keselamatan Sistem Kawalan Pemantauan <i>Control Monitoring System (CMS) Security Response Officer</i> (30-12-2003)
<b>SS-040-2</b> Pegawai Keselamatan Sistem Pemantauan Berpusat <i>Central Monitoring System (CMS) security Officer</i> (30-12-2003)	<b>SS-041-2</b> Pegawai Bertindak Keselamatan Sistem Kawalan Pemantauan <i>Control Monitoring System (CMS) Security Response Officer</i> (30-12-2003)		
<b>L1</b>	<b>SS-010-1</b> Pembantu Keselamatan <i>Security Assistant</i> (27-02-2003)		

**26.5) SUB SEKTOR: SISTEM KESELAMATAN ELEKTRONIK (*ELECTRONIC SECURITY SYSTEM*)**

	<b>Sistem Keselamatan Elektronik (<i>Electronic Security System</i>)</b>
<b>L5</b>	Belum ada ( <i>Not Available</i> )
<b>L4</b>	
<b>L3</b>	<b>SS-050-3</b> Juruteknik Sistem Keselamatan Elektronik <i>Electronic Security System Technician</i> (30-12-2003)
<b>L2</b>	<b>SS-050-2</b> Pembantu Sistem Keselamatan Elektronik <i>Electronic Security System Assistant Technician</i> (30-12-2003)
<b>L1</b>	Tiada Tahap ( <i>No Level</i> )

**26.6) SUB SEKTOR: TELEKOMUNIKASI SISTEM KESELAMATAN (*TELECOMMUNICATION SECURITY SYSTEM*)**

	<b>Sistem Keselamatan Telekomunikasi (<i>Telecommunication Security System</i>)</b>
<b>L5</b>	<b>EE-030-5</b> Pegawai Kanan Telekomunikasi (Teknikal) <i>Telecommunication Senior Officer(Technical)</i> (24-03-09)
<b>L4</b>	<b>EE-030-4</b> Pegawai Telekomunikasi (Teknikal) <i>Telecommunication Officer(Technical)</i> (24-03-09)
<b>L3</b>	<b>EE-030-3</b> Juruteknik Telekomunikasi <i>Telecommunication Technician</i> (08-01-2008)
<b>L2</b>	<b>EE-030-2</b> Pembantu Juruteknik Telekomunikasi <i>Telecommunication Assistant Technician</i> (08-01-2008)
<b>L1</b>	Tiada Tahap ( <i>No Level</i> )

26.7) SUB SEKTOR: TELEKOMUNIKASI - OPERASI (*TELECOMMUNICATION-OPERATION*)

	<b>Operasi</b> <b>(Operation)</b>
<b>L5</b>	<b>EE-031-5</b> Pegawai Kanan Telekomunikasi (Operasi) <i>Telecommunication Senior Officer(Operation)</i> (24-03-09)
<b>L4</b>	<b>EE-031-4</b> Pegawai Telekomunikasi (Operasi) <i>Telecommunication Officer(Operation)</i> (24-03-09)
<b>L3</b>	<b>EE-031-3</b> Penyelia Telekomunikasi (Operasi) <i>Telecommunication Supervisor (Operation)</i> (24-03-09)
<b>L2</b>	<b>EE-031-2</b> Operator Telekomunikasi (Operasi) <i>Telecommunication Operator (Operation)</i> (24-03-09)
<b>L1</b>	Tiada Tahap <i>(No Level)</i>

26.8) SUB SEKTOR: PERKHIDMATAN PENYIASATAN (*INVESTIGATION SERVICES*)

	<b>Perkhidmatan Penyiasatan</b> <b>(Investigation Services)</b>
<b>L5</b>	Belum ada <i>(Not Available)</i>
<b>L4</b>	
<b>L3</b>	<b>SS-060-3</b> Detektif Penyiasatan <i>Investigation</i> <i>Detectives</i> (30-12-2003)
<b>L2</b>	<b>SS-060-2</b> Detektif <i>Detectives</i> (30-12-2003)
<b>L1</b>	Tiada Tahap <i>(No Level)</i>

**26.9) SUB SEKTOR: TEKNOLOGI SENJATA (WEAPON TECHNOLOGY)**

	<b>Senjata Ringan (Small Arms)</b>	<b>Senjata Berat (Heavy Arms)</b>	<b>Teknologi Senjata Api &amp; Pengurusan (Firearm Technology &amp; Management)</b>	<b>Jurulatih Senjata Api (Firearm Instructor)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>			
<b>L4</b>				
<b>L3</b>	<b>OT-010-3</b> Juruteknik Persenjataan <i>Weapon Technician</i> (19-12-94) (18-11-08)	<b>Belum ada (Not Available)</b>	<b>DS-011-3</b> Pejuang Perisai Kanan <i>Senior Armourer</i> (25-10-10)	<b>DS-020-3</b> Penyelia Jurulatih Senjata Api <i>Firearm Instructor's Supervisor</i> (10-12-10)
<b>L2</b>	<b>OT-010-2</b> Mekanik Persenjataan <i>Weapon Mechanic</i> (19-12-94) (18-11-08)	<b>Belum ada (Not Available)</b>	<b>DS-011-2</b> Pejuang Perisai <i>Armourer</i> (25-10-10)	<b>DS-020-2</b> Jurulatih Senjata Api <i>Firearm Instructor</i> (10-12-10)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>			<b>DS-020-1</b> Pembantu Jurulatih Senjata Api <i>Firearm Assistant Instructor</i> (10-12-10)

**26.10) SUB SEKTOR: TELEKOMUNIKASI-SERVIS (TELECOMMUNICATION-SERVICES)**

	<b>Perkhidmatan Telekomunikasi (Telecommunication Service)</b>
<b>L5</b>	<b>OT-011-5</b> Pengurus Operasi Telekomunikasi -Logistik <i>Telecommunication Operational Manager- Logistic</i> (26-03-2009)
<b>L4</b>	<b>OT-011-4</b> Penolong Pengurus Operasi Telekomunikasi -Logistik <i>Assistant Telecommunication Operational Manager- Logistic</i> (26-03-2009)
<b>L3</b>	<b>Tiada Tahap (No Level)</b>
<b>L2</b>	
<b>L1</b>	

**26.11) SUB SEKTOR: KESELAMATAN PELABUHAN (*PORT SECURITY*)**

	<b>Keselamatan Pelabuhan</b> <b>(<i>Port Security</i>)</b>
<b>L5</b>	<b>OT-012-5</b> Pengurus Keselamatan Pelabuhan <i>Port Security Manager</i> (01-10-09)
<b>L4</b>	<b>OT-012-4</b> Eksekutif Keselamatan Pelabuhan <i>Port Security Executive</i> (01-10-09)
<b>L3</b>	<b>OT-012-3</b> Penyelia Keselamatan Pelabuhan <i>Port Security Supervisor</i> (01-10-09)
<b>L2</b>	<b>OT-012-2</b> Pembantu Keselamatan Pelabuhan <i>Port Security Assistant</i> (01-10-09)
<b>L1</b>	<b>OT-012-1</b> Pekerja Keselamatan Pelabuhan <i>Port Security Personnel</i> (01-10-09)

## **SEKTOR 27:**

### **CC: PENJAGAAN & PERKHIDMATAN KOMUNITI / CARE AND COMMUNITY SERVICES**

<b>BIL NO</b>	<b>SUB-SEKTOR/ <i>SUB-SECTOR</i></b>	<b>Kod/ <i>Code</i></b>	<b>T1/ <i>L1</i></b>	<b>T2/ <i>L2</i></b>	<b>T3/ <i>L3</i></b>	<b>T4/ <i>L4</i></b>	<b>T5/ <i>L5</i></b>	<b>Jumlah (<i>Total</i>)</b>
27.1	Pekerja Domestik/ <i>Domestic Worker</i>	N	0	1	0	0	0	1
27.2	Penjagaan Kanak-Kanak/ <i>Child Care</i>	CC, MP	0	2	2	1	1	6
27.3	Penjagaan OKU/ <i>Carer</i>	OT	1	1	1	0	0	3
27.4	Penjagaan Warga Emas/ <i>Aged Care</i>	CC	0	0	0	0	0	0
27.5	Perkhidmatan Komuniti/ <i>Community Services</i>	OT	0	1	1	1	1	4
27.6	Penjagaan Orang Tua/ <i>Elderly Care</i>	OT	1	1	1	0	0	3
27.7	Penjaga/ Lepas Sekolah/ <i>Carer/After School</i>	OT	0	1	1	0	0	2
	<b>Jumlah / <i>Total</i></b>		2	7	6	2	2	<b>19</b>

### 27.1) SUB SEKTOR: PEKERJA DOMESTIK (*DOMESTIC WORKER*)

	Pekerja Domestik (Domestic Worker)
L5	Belum ada (Not Available)
L4	
L3	
L2	N-040-2 Pekerja Domestik Domestic Worker (27-09-2004)
L1	Tiada Tahap (No Level)

### 27.2) SUB SEKTOR: PENJAGAAN KANAK-KANAK (*CHILD CARE*)

	Penjagaan Kanak-Kanak (Child Care)	Pusat Jagaan Kanak-kanak Care Center (Child)
L5	MP-010-5 Pengurus Pusat Jagaan Child Care Manager (05-03-2008)	Belum ada (Not Available)
L4	MP-010-4 Penyelia Pusat Jagaan Child Care Centre Supervisor (05-03-2008)	
L3	MP-010-3 Penjaga Kanan Kanak-Kanak Senior Child Care Provider (05-03-2008)	CC-010-3 Penjaga Kanan Pusat Jagaan Kanak-kanak Senior Care Center Carer (Child) (10-12-10)
L2	MP-010-2 Penjaga Kanak-Kanak Child Care Provider (05-03-2008)	CC-010-2 Penjaga Pusat Jagaan Kanak-kanak Care Center Carer (Child) (10-12-10)
L1	Tiada Tahap (No Level)	

### 27.3) SUB SEKTOR: PENJAGAAN OKU (*DISABLED CARE*)

	Penjagaan Orang Kurang Upaya (Disabled Care)
L5	Belum ada (Not Available)
L4	
L3	OT-031-3 Penyelia Penjagaan (Orang Kurang Upaya) Carer Supervisor (Persons With Disabilities) (01-10-09)
L2	OT-031-2 Penjaga Kanan (Orang Kurang Upaya) Senior Carer (Persons With Disabilities) (01-10-09)
L1	OT-031-1 Penjaga (Orang Kurang Upaya) Carer (Persons With Disabilities) (01-10-09)

**27.4) SUB SEKTOR: PENJAGAAN WARGA EMAS (AGED CARE)**

-Nil-

**27.5) SUB SEKTOR: PERKHIDMATAN KOMUNITI (COMMUNITY SERVICES)**

	<b>Perkhidmatan Komuniti (Community Services)</b>
<b>L5</b>	<b>OT-030-5</b> Pengurus Khidmat Komuniti <i>Community Service Manager</i> (23-06-2009)
<b>L4</b>	<b>OT-030-4</b> Eksekutif Khidmat Komuniti <i>Community Service Executive</i> (23-06-2009)
<b>L3</b>	<b>OT-030-3</b> Penyelia Khidmat Komuniti <i>Community Service Supervisor</i> (23-06-2009)
<b>L2</b>	<b>OT-030-2</b> Pekerja Khidmat Komuniti <i>Community Service Worker</i> (23-06-2009)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>

**27.6) SUB SEKTOR: PENJAGAAN ORANG TUA (ELDERLY CARE)**

	<b>Penjagaan Orang Tua (Elderly Care)</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>OT-032-3</b> Penyelia Penjagaan ( Orang Tua) <i>Care Supervisor (Elderly)</i> (01-10-09)
<b>L2</b>	<b>OT-032-2</b> Penjaga Kanan ( Orang Tua) <i>Senior Carer (Elderly)</i> (01-10-09)
<b>L1</b>	<b>OT-032-1</b> Penjaga ( Orang Tua) <i>Carer (Elderly)</i> (01-10-09)

**27.7) SUB SEKTOR: CARER (AFTER SCHOOL)**

	<b>Penjaga Kanan ( Selepas Waktu Sekolah) (Carer (After School))</b>
<b>L5</b>	<b>Belum ada (Not Available)</b>
<b>L4</b>	
<b>L3</b>	<b>OT-033-3</b> Penjaga Kanan ( Selepas Waktu Sekolah) <i>Senior Carer (After School)</i> (01-10-09)
<b>L2</b>	<b>OT-033-2</b> Penjaga ( Selepas Waktu Sekolah) <i>Carer (After School)</i> (01-10-09)
<b>L1</b>	<b>Tiada Tahap (No Level)</b>

**SEKTOR 28:**

**AC: SENI & KEBUDAYAAN /  
*ART & CULTURE***

<b>BIL. NO.</b>	<b>SUB-SEKTOR/ <i>SUB-SECTOR</i></b>	<b>Kod/ <i>Code</i></b>	<b>T1/ <i>L1</i></b>	<b>T2/ <i>L2</i></b>	<b>T3/ <i>L3</i></b>	<b>T4/ <i>L4</i></b>	<b>T5/ <i>L5</i></b>	<b>Jumlah (<i>Total</i>)</b>
28.1	Muzik/ <i>Music</i>	AC,AM	3	3	4	0	0	10
28.2	Fotografi/ <i>Photography</i>	PH	1	1	1	0	0	3
	<b>Jumlah / <i>Total</i></b>		4	4	5	0	0	<b>13</b>

### 28.1) SUB SEKTOR: MUZIK (*MUSIC*)

	Muzik ( <i>Music</i> )	Seni Suara ( <i>Vocalist</i> )
L5	Belum ada ( <i>Not Available</i> )	
L4		
L3	AM-010-3 Pemuzik Kontemporari Kanan <i>Senior Contemporary Musician</i> (18-11-08)	AC-040-3 Penyanyi <i>Singer</i> (10-12-10)
L2	AM-010-2 Pemuzik Kontemporari <i>Contemporary Musician</i> (18-11-08)	Tiada Tahap ( <i>No Level</i> )
L1	AM-010-1 Pemuzik Kontemporari Muda <i>Junior Contemporary Musician</i> (18-11-08)	

	Muzik Tradisional Malaysia ( <i>Malaysian Traditional Music</i> )				
	Tradisional Melayu ( <i>Malay Traditional</i> )	Tradisional India ( <i>Indian Traditional</i> )	Tradisional Chinese ( <i>Chinese Traditional</i> )	Tradisional Etnik Sabah ( <i>Sabah Ethnic Traditional</i> )	Tradisional Etnik Sarawak ( <i>Sarawak Ethnic Traditional</i> )
L5	Belum ada ( <i>Not Available</i> )				
L4					
L3	AC-020-3 Prinsipal Pemuzik Tradisional Melayu <i>Principal Musician (Malay Traditional Ensemble)</i> (10-12-10)	Belum ada ( <i>Not Available</i> )			
L2	AC-020-2 Pemuzik Tradisional Melayu <i>Musician (Malay Traditional Ensemble)</i> (10-12-10)				
L1	AC-020-1 Pemuzik Tradisional Melayu <i>Musician (Malay Traditional Ensemble)</i> (10-12-10)				

	<b>Penyanyi Ritma (Rhythm Section Musician)</b>
<b>L5</b>	Belum ada (Not Available)
<b>L4</b>	
<b>L3</b>	<b>AC-030-3</b> Pemuzik Utama (Ritma) <i>Principal Musician (Rhythm Section)</i> (10-12-10)
<b>L2</b>	<b>AC-030-2</b> Pemuzik (Ritma) <i>Musician (Rhythm Section)</i> (10-12-10)
<b>L1</b>	<b>AC-030-1</b> Pemuzik (Ritma) <i>Musician (Rhythm Section)</i> (10-12-10)

## 28.2) SUB SEKTOR: FOTOGRAFI (PHOTOGRAPHY)

	<b>Fotografi (Photography)</b>
<b>L5</b>	Belum ada (Not Available)
<b>L4</b>	
<b>L3</b>	<b>PH-010-3</b> Jurufoto Kanan <i>Senior Photographer</i> (18-11-08)
<b>L2</b>	<b>PH-010-2</b> Jurufoto <i>Photographer</i> (18-11-08)
<b>L1</b>	<b>PH-010-1</b> Pembantu Jurufoto <i>Assistant Photographer</i> (18-11-08)

**SEKTOR 29:**

**MI: INDUSTRI PERLOMBONGAN /  
MINING INDUSTRY**

<b>BIL NO</b>	<b>SUB-SEKTOR/SUB-SECTOR</b>	<b>Kod/ Code</b>	<b>T1/ L1</b>	<b>T2/ L2</b>	<b>T3/ L3</b>	<b>T4/ L4</b>	<b>T5/ L5</b>	<b>Jumlah (Total)</b>
29.1	<i>Mining Support Operation</i>	MI	0	0	0	0	0	0
29.2	<i>Underground Mining</i>	MI	0	0	0	0	0	0
29.3	<i>Opencast Mining</i>	MI	0	0	0	0	0	0
29.4	<i>Quarry</i>	MI	0	0	0	0	0	0
29.5	<i>Offshore Mining</i>	MI	0	0	0	0	0	0
29.6	<i>Dredging Mining</i>	MI	0	0	0	0	0	0
	<b>Jumlah / Total</b>		0	0	0	0	0	<b>0</b>

**STANDARD KETERAMPILAN KEBANGSAAN (SKK)/  
NATIONAL COMPETENCY STANDARD (NCS)**

	<b>Nama SKK/ NCS Title</b>	<b>Kod/ Code</b>	<b>Bilangan/ No.</b>
1	Kemahiran Teras/ <i>Core Abilities*</i>	Z-009	1
2	Teknologi Maklumat & Komunikasi / <i>Information &amp; Communications</i>	Z-003 Z-010 Z-011	3
3	Pembinaan/ <i>Construction</i>	Z-004	1
4	Pekerja Asing/ <i>Foreign Workers</i>	Z-005 Z-006 Z-007	3
5	Industri Halal dan Produk Halal / <i>Halal and Halal Products</i>	Z-020	1
6	Kawalan Kualiti / <i>Quality Control</i>	Z-030	1
7	Fabrikasi Peralatan Bertekanan, Fabrikasi Paip dan Saluran Paip dan Pembuatan Kimpalan Industri/ <i>Pressurised Equipment Fabrication, Piping &amp; Pipeline Fabrication &amp; manufacturing Welding Industry</i> - <i>Underwater Welding</i> -	Z-040	1
8	Teknologi Hijau/ <i>Green Tech</i>	Z-050	1
9	Keselamatan/ <i>Security</i>	Z-060	1
10	<i>Train of Trainers</i>	Z-070	1
11	<i>Occupational Standard Development Facilitator</i>	Z-012	1
12	<i>Cultural Heritage Specialist Guide</i>	Z-013	1
<b>Jumlah NCS/ Total of NCS</b>		<b>16</b>	

**\*NCS Z-009 Core Abilities tidak ditawarkan untuk program persijilan /  
NCS Z-009 Core Abilities is not available for certification**

1) **KEMAHIRAN TERAS**  
(*CORE ABILITIES*)

<b>Tiada Tahap</b> ( <i>No Level</i> )	<b>Z-009</b> Kemahiran Teras Yang Perlu Dilaksanakan Bersama NOSS Tahap 1 hingga Tahap 4 (Core Abilities) (01-06-06)
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2) **TEKNOLOGI MAKLUMAT & KOMUNIKASI**  
(*INFORMATION & COMMUNICATIONS TECHNOLOGY*)

<b>Tiada Tahap</b> ( <i>No Level</i> )	<b>Z-003</b> Pengguna Teknologi Maklumat & Komunikasi (ICT) ( <i>Information &amp; Communications Technology (ICT) User</i> ) (19-04-2001)	<b>Z-010</b> Sijil IP Associate <i>Certificate IP Associate</i> (24-03-09)	<b>Z-011</b> Jurutera IP Bertauliah <i>Certified IP Engineer (CIPE)</i> (10-12-10)
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3) **PEMBINAAN**  
(*CONSTRUCTION*)

<b>Tiada Tahap</b> ( <i>No Level</i> )	<b>Z-004</b> Pengurus Projek Pembinaan ( <i>Project Manager Construction</i> ) (28-08-2002)
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4) **PEKERJA ASING**  
(*FOREIGN WORKERS*)

	<b>Komunikasi Di Tempat Kerja</b> ( <i>Workplace Communication</i> )	<b>Kebudayaan Malaysia</b> ( <i>Malaysian Culture</i> )	<b>Kesedaran Undang-Undang Malaysia</b> ( <i>Awareness Of Malaysian Laws</i> )
<b>Tiada Tahap</b> ( <i>No Level</i> )	<b>Z-005</b> Kecekapan Berkomunikasi Di Tempat Kerja Bagi Pekerja Asing Yang Bekerja Di Malaysia ( <i>Workplace Communication Proficiency For Foreign Workers Working In Malaysia</i> ) (28-08-2003)	<b>Z-006</b> Kebudayaan Malaysia Untuk Pekerja Asing Di Malaysia <i>Malaysian Culture For Foreign Workers Working In Malaysia</i> (30-12-2003)	<b>Z-007</b> Kesedaran Perundangan Malaysia Untuk Pekerja Asing Di Malaysia <i>Awareness of Malaysian Laws for Foreign Workers Working in Malaysia</i> (30-12-2003)

5) **MAKANAN HALAL DAN PRODUK PENGGUNA HALAL/HALAL FOOD AND HALAL CONSUMER PRODUCTS**

<b>Tiada Tahap</b> ( <i>No Level</i> )	<b>Z-020</b> Pematuhan Produk Halal <i>Halal Product Compliances</i> (23-06-2009)
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6) **KAWALAN KUALITI/ QUALITY CONTROL**

<b>Tiada Tahap</b> ( <i>No Level</i> )	<b>Z-030</b> Kawalan Kualiti & Metrologi <i>Metrology &amp; Quality Control</i> (25-10-2010)
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7) **FABRIKASI PERALATAN BERTEKANAN, FABRIKASI PIPE DAN SALURAN PIPE, DAN PEMBUATAN KIMPALAN INDUSTRI /PRESSURISED EQUIPMENT FABRICATION, PIPING & PIPELINE FABRICATION, & MANUFACTURING WELDING INDUSTRY/**

<b>Tiada Tahap (No Level)</b>	<b>Z-040</b> Kimpalan Dalam Air <i>Underwater Welding</i> (25-10-2010)
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8) **TEKNOLOGI HIJAU /GREEN TECHNOLOGY**

<b>Tiada Tahap (No Level)</b>	<b>Z-050</b> Pematuhan Teknologi Hijau <i>Green Technology Compliances</i> (25-10-2010)
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9) **SEKURITI /SECURITY**

<b>Tiada Tahap (No Level)</b>	<b>Z-060</b> Latihan Menembak Menggunakan Senjata Api <i>Firearm Practical Shooting</i> (10-12-10)
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10) **PENGAJAR /TRAIN OF TRAINERS**

<b>Tiada Tahap (No Level)</b>	<b>Z-070</b> Pengajar Bertauliah Pembangunan Sumber Manusia Berhad (PSMB) <i>Pembangunan Sumber Manusia Berhad (PSMB) Certified Trainer</i> (10-12-10)
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11) **FASILITATOR /FACILITATOR**

<b>Tiada Tahap (No Level)</b>	<b>Z-012</b> Fasilitator Pembangunan Standard Pekerjaan <i>Occupational Standard Development Facilitator</i> (19-4-2011)
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12) **JURUPANDU WARISAN BUDAYA /CULTURAL HERITAGE GUIDE**

<b>Tiada Tahap (No Level)</b>	<b>Z-013</b> Pakar Jurupandu Warisan Budaya <i>Cultural Heritage Specialist Guide</i> (19-4-2011)
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**KURIKULUM SISTEM LATIHAN DUAL NASIONAL YANG DILULUSKAN SEBAGAI SKPK /  
NATIONAL DUAL TRAINING SYSTEM CURRICULUM ENDORSED AS NOSS**

	<b>Sektor/ Sector</b>	<b>Kod/ Code</b>	<b>Bilangan/ No.</b>
1	Elektrikal & Elektronik, Telekomunikasi & Industri Penyiaran ( <i>Electrical &amp; Electronic, Telecommunication &amp; Broadcasting Industry</i> )	EL,IE	2
2	Pemesinan & Peralatan ( <i>Machinery &amp; Equipment</i> )	PT,SF	4
3	Perkhidmatan & Penyelenggaraan Mekanikal & Elektrikal ( <i>Mechanical &amp; Electrical Service And Maintenance</i> )	EL	1
4	Pengangkutan ( <i>Transportation</i> )	MR,AT,RW	11
5	Percetakan ( <i>Printing</i> )	PR	1
6	Hospitaliti & Pelancongan ( <i>Hospitality &amp; Tourism</i> )	HL,PS	2
7	Lanskap & Alam Sekitar ( <i>Landscaping &amp; Environmental</i> )	CN,EV	4
8	Minyak & Gas ( <i>Oil &amp; Gas</i> )	PC	5
<b>JumlahK-SLDN/ Total of C-NDTS</b>		<b>30</b>	

1) **ELEKTRIKAL & ELECTRONIK, TELEKOMUNIKASI & INDUSTRI PENYIARAN**  
**(ELECTRICAL & ELECTRONIC, TELECOMMUNICATION & BROADCASTING INDUSTRY)**

	<b>* Pendawaian Elektrik Domestik dan Kormersial Ringan</b> <i>(Domestic and Light Commercial Electrical Wiring )</i>
<b>L3</b>	<b>EL01</b> Pendawaian Elektrik Domestik dan Kormersial Ringan <i>Domestic and Light Commercial Electrical Wiring</i> (23-6-2009)

	<b>* Proses Automasi</b> <i>(Process Automation )</i>
<b>L3</b>	<b>IE01</b> Proses Automasi <i>Process Automation</i> (23-6-2009)

2) **PEMESINAN & PERALATAN (MACHINERY & EQUIPMENT)**

	<b>*Pemesinan &amp; Peralatan</b> <b>(Machinery &amp; Equipment)</b>		
<b>L3</b>	<b>PT01</b> Pembuatan Perkakasan (Acuan & Dai) <i>(Toolmaking (Mould &amp; Die))</i> (23-6-09)	<b>PT02</b> Pembuatan Perkakasan (Acuan & Dai)- Kategori Besar <i>(Toolmaking (Mould &amp; Die) – Large Category</i> (23-6-09)	<b>PT03</b> Penuangan Acuan Tekanan <i>(Pressure Diecasting)</i> (23-6-09)

	<b>*Fabrikasi Logam</b> <b>(Metal Fabrication)</b>
<b>L3</b>	<b>SF01</b> Fabrikasi Logam <i>(Metal Fabrication)</i> (23-06-09)

3) **PERKHIDMATAN & PENYELENGGARAAN MEKANIKAL & ELEKTRIKAL**  
**(MECHANICAL & ELECTRICAL SERVICE AND MAINTENANCE)**

	<b>* Penyejukbekuan dan Penyamanan Udara Domestik dan Kormersial Ringan</b> <i>(Domestic and Light Commercial Refrigeration and Air-Conditioning)</i>
<b>L3</b>	<b>EL02</b> Penyejukbekuan dan Penyamanan Udara Domestik dan Kormersial Ringan <i>Domestic and Light Commercial Refrigeration and Air-Conditioning</i> (23-6-2009)

4) **PENGANGKUTAN(TRANSPORTATION)**

	<b>*Maritim</b> <i>(Maritime)</i>		
<b>L3</b>	<b>MR01</b> Pemasangan Bot <i>Boat Assembly</i> (23-6-09)	<b>MR02</b> Pembina Bot Gentian Kaca <i>Fiber Glass Boat Builder</i> (23-6-09)	<b>Belum ada</b> <i>(Not Available)</i>
<b>L2</b>	<b>Belum ada</b> <i>(Not Available)</i>		<b>MR03</b> Operasi 'Rating' Enjin Marin <i>Marine Engine Rating Operation</i> (23-6-09)
			<b>MR04</b> Operasi 'Rating' Dek Marin <i>Marine Deck Rating Operation</i> (23-6-09)

	<b>*Kenderaan Bermotor Automotif</b> <i>(Automotive Motor Vehicle)</i>				
<b>L4/L5</b>	<b>Belum ada</b> <i>(Not Available)</i>				
<b>L3</b>	<b>AT01</b> Automotif Mekatronik <i>(Automotive Mechatronics)</i> (23-6-09)	<b>AT02</b> Pemasangan Kenderaan <i>(Vehicle Assembly)</i> (23-6-09)	<b>AT03</b> Automotif Kenderaan Gas Asli (NGV) <i>(Automotive Natural Gas Vehicle (NGV) )</i> (23-6-09)	<b>AT07</b> Operasi Alat Ganti Automotif <i>(Automotive Parts Operation)</i> (23-6-09)	<b>AT09</b> Estimator Kerosakan Automotif <i>Automotive Collision Damage Estimation</i> (23-6-09)

	<b>*Landasan Keretapi (Railway)</b>
<b>L3</b>	<b>RW01</b> Pembinaan Landasan Keretapi (Kimpalan Rel) <i>Railway Builder (Rail Welding)</i> (23-6-2009)

5) **PERCETAKAN**(*PRINTING*)

	<b>*Teknologi Percetakan (Printing Technology)</b>
<b>L3</b>	<p><b>PR01</b> Teknologi Percetakan (<i>Printing Technology</i>) (23-6-2009)</p>

6) **HOSPITALITI & PELANCONGAN**(*HOSPITALITY & TOURISM*)

	<b>*Hotel Kulinari (Hotel Culinary)</b>
<b>L3</b>	<p><b>HL01</b> Hotel Kulinari (Hotel Culinary) (23-6-2009)</p>

	<b>* Dandanan Rambut (Hairdresser)</b>
<b>L3</b>	<p><b>PS01</b> Dandanan Rambut (<i>Hairdresser</i>) (23-6-2009)</p>

7) **LANSKAP & ALAM SEKITAR**(*LANDSCAPING & ENVIRONMENTAL*)

	<b>*Landskap (Landscaping)</b>
<b>L3</b>	<p><b>CN01</b> Pembinaan Lanskap (<i>Landscape Construction</i>) (23-6-09)</p>

	<b>*Alam Sekitar (Environmental)</b>		
<b>L3</b>	<p><b>EV01</b> Pengurusan Bahan Buangan Berjadual (<i>Schedule Waste Management</i>) (23-6-09)</p>	<p><b>EV02</b> Kawalan Pencemaran Udara (Bagfilter) (<i>Air Pollution Control (Bagfilter)</i>) (23-6-09)</p>	<p><b>EV03</b> Sistem Rawatan Kumbahan Industri (<i>Industrial Effluent Treatment System</i>) (23-6-09)</p>

8) MINYAK & GAS ( OIL & GAS)

	*Petrokimia, Minyak & Gas (Petrochemical, Oil & Gas)				
<b>L3</b>	<b>PC01</b> Operasi Loji <i>(Plant Operation)</i> (23-06-09)	<b>PC02</b> Drafting Perpaipan <i>(Piping Drafting)</i> (23-06-09)	<b>PC03</b> Drafting Struktur Luar Pantai <i>(Offshore Structure            Drafting)</i> (23-06-09)	<b>PC04</b> Drafting Instrumentasi & Kawalan <i>(Instrumentation &amp;            Control Drafting)</i> (23-06-09)	<b>PC05</b> <i>Riggers &amp;            Roustabout</i> (23-06-09)

## ANNEX 1

Senarai SKPK yang diluluskan pada tahun 2011/ *List of NOSS endorsed in year 2011*

(Nota: Rujuk di dalam Daftar untuk nama NOSS dwi-bahasa)

BIL. (NO.)	KOD NOSS/NCS BARU (NEW NOSS/NCS CODE)	TAJUK NOSS/NCS (NOSS/NCS TITLE)	KOD NOSS/NCS LAMA (PREVIOUS NOSS/NCS CODE)
<b>MPKK 19hb April 2011 / MPKK 19th April 2011</b>			
1	MC-071-2	Heat Treatment Technician	
2	MC-071-3	Heat Treatment Senior Technician	
3	MT-020-4	Assistant Advanced Ceramic Production Technologist	
4	MT-020-5	Advanced Ceramic Production Technologist	
5	MP-061-4	Spa Assistant Manager	
6	MP-061-5	Spa Manager	
7	AF-031-1	Operator Akuakultur	
8	AF-032-2	Juruteknik Akuakultur (Ikan Hiasan)	
9	AF-032-3	Penyelia Akuakultur (Ikan Hiasan)	
10	AF-033-2	Juruteknik Akuakultur (Hatceri)	
11	AF-033-3	Penyelia Akuakultur (Hatceri)	
12	AF-034-2	Juruteknik Akuakultur (Ternakan Air Tawar)	
13	AF-034-3	Penyelia Akuakultur (Ternakan Air Tawar)	
14	AF-031-4	Eksekutif Akuakultur (Ternakan Air Tawar)	
15	AF-031-5	Pengurus Akuakultur (Ternakan Air Tawar)	
16	RB-053-4	Furniture Production Executive	
17	RB-053-5	Furniture Production Manager	
18	Z-012	Occupational Standard Development Facilitator	
19	MC-110-1	NDT Practitioner (Industrial Radiography Testing) L1	H-040-1
20	MC-110-2	NDT Practitioner (Industrial Radiography Testing) L2	H-040-2
21	MC-110-3	NDT Practitioner (Industrial Radiography Testing) L3	H-040-3
22	MC-111-1	NDT Practitioner (Eddy Current Testing) L1	H-080-1
23	MC-111-2	NDT Practitioner (Eddy Current Testing) L2	H-080-2
24	MC-111-3	NDT Practitioner (Eddy Current Testing) L3	H-080-3
25	MC-112-1	NDT Practitioner (Penetrant Testing) L1	H-140-1
26	MC-112-2	NDT Practitioner (Penetrant Testing) L2	H-140-2
27	MC-112-3	NDT Practitioner (Penetrant Testing) L3	H-140-3
28	MC-113-1	NDT Practitioner (Ultrasonic Testing) L1	H-120-1
29	MC-113-2	NDT Practitioner (Ultrasonic Testing) L2	H-120-2
30	MC-113-3	NDT Practitioner (Ultrasonic Testing) L3	H-120-3
31	MC-114-1	NDT Practitioner (Magnetic Particle Testing) L1	H-150-1
32	MC-114-2	NDT Practitioner (Magnetic Particle Testing) L2	H-150-2
33	MC-114-3	NDT Practitioner (Magnetic Particle Testing) L3	H-150-3
34	MC-115-2	Radiography Interpreter (Welded Construction)	H-041-2
35	MP-060-1	Beautician	N-011-1
36	MP-060-2	Aesthetician	N-011-2

BIL. (NO.)	KOD NOSS/NCS BARU (NEW NOSS/NCS CODE)	TAJUK NOSS/NCS (NOSS/NCS TITLE)	KOD NOSS/NCS LAMA (PREVIOUS NOSS/NCS CODE)
37	MP-060-3	<i>Aesthetic Therapist</i>	N-011-3
38	MP-060-4	<i>Aesthetic Assistant Manager</i>	N-011-4
39	MP-060-5	<i>Aesthetic Manager</i>	N-011-5
40	AF-060-1	Pekerja Ladang Ruminan	Y-012-1
41	AF-060-2	Pembantu Ladang Ruminan	Y-012-2
42	AF-060-3	Penyelia Ladang Ruminan	Y-012-3
43	Z-013	<i>Cultural Heritage Specialist Guide</i>	HT-020-2
<b>MPKK 22hb Ogos 2011 / MPKK 22nd August 2011</b>			
44	MP-071-1	<i>Assistant Aura Metafizik Therapist</i>	
45	MP-071-2	<i>Aura Metafizik Therapist</i>	
46	MP-071-3	<i>Senior Aura Metafizik Therapist</i>	
47	MP-070-2	<i>Assistant Hydro-Ice Therapist</i>	
48	MP-070-3	<i>Hydro-Ice Therapist</i>	
49	AF-061-2	Pembantu Ladang Sarang Burung Walit	
50	AF-061-3	Penyelia Ladang Sarang Burung Walit	
51	AF-032-4	Eksekutif Akuakultur (Ikan Hiasan)	
52	AF-032-5	Pengurus Akuakultur (Ikan Hiasan)	
53	AF-060-4	Penolong Pengurus Ladang Ruminan	Y-012-4
54	AF-060-5	Pengurus Ladang Ruminan	Y-012-5
<b>MPKK 18hb November 2011 / MPKK 18th November 2011</b>			
55	EE-034-1	<i>Mobile Telecommunication Junior Technician</i>	
56	EE-035-2	<i>Optical Transmission Network Technician</i>	
57	EE-035-3	<i>Optical Transmission Network Senior Technician</i>	
58	EE-036-2	<i>Radio Frequency Network Technician</i>	
59	EE-036-3	<i>Radio Frequency Network Senior Technician</i>	
60	MT-021-1	<i>Ceramic Production Operator</i>	
61	MT-021-2	<i>Ceramic Production Line Leader</i>	
62	MT-021-3	<i>Ceramic Production Supervisor</i>	
63	FB-080-3	<i>Tax Assistant</i>	
64	FB-080-4	<i>Assistant Tax Executive</i>	
65	FB-080-5	<i>Tax Executive</i>	
66	LE-020-1:2011	<i>Garden Maintenance Operation</i>	
67	LE-020-2:2011	<i>Garden Maintenance Operation</i>	
68	LE-020-3:2011	<i>Garden Maintenance Supervision</i>	
69	TP-800-1:2011	<i>Ground Handling-Ramp Services</i>	
70	TP-800-2:2011	<i>Ground Handling-Ramp Services</i>	
71	TP-800-3:2011	<i>Ground Handling-Ramp Services</i>	
72	TP-740-1:2011	<i>Customer Service and Ticketing</i>	
73	TP-740-2:2011	<i>Station Operation</i>	

BIL. (NO.)	KOD NOSS/NCS BARU (NEW NOSS/NCS CODE)	TAJUK NOSS/NCS (NOSS/NCS TITLE)	KOD NOSS/NCS LAMA (PREVIOUS NOSS/NCS CODE)
74	TP-740-3:2011	Station Operation	
75	TP-741-1:2011	Rail Electrification System	
76	TP-741-2:2011	Rail Electrification System	
77	TP-741-3:2011	Rail Electrification System	
78	TP-742-2:2011	Rolling Stock QAC	
79	TP-742-3:2011	Rolling Stock QAC	
80	TP-743-4:2011	Electric Train Maintenance	
81	TP-743-5:2011	Electric Train Maintenance	
82	TP-710-4:2011	Train Operation Management	
83	TP-710-5:2011	Train Operation Management	
84	TP-730-4:2011	Coach and Wagon Management	
85	TP-730-5:2011	Coach and Wagon Management	
86	TP-731-4:2011	Signalling and Communication Management	
87	TP-731-5:2011	Signalling and Communication Management	
<b>MPKK 20hb Disember 2011/ MPKK 20<sup>th</sup> December 2011</b>			
88	IT-071-4:2011	Video/Film Production (Shooting)	
89	IT-071-5:2011	Video/Film Production (Shooting)	
90	IT-120-4:2011	Multimedia Programming	
91	IT-120-5:2011	Multimedia Programming	
92	IT-121-4:2011	Database Programming	
93	IT-121-5:2011	Database Programming	
94	IT-122-4:2011	Server Application Development and Management	
95	IT-122-5:2011	Server Application Development and Management	
96	MP-090-3:2011	Reiki Therapy	
97	MP-091-3:2011	Qi Gong Therapy	
98	MP-100-3:2011	Ophthalmic Technology	
99	MP-110-3:2011	Wind Cupping Therapy	
100	HT-082-3:2011	Golf and Sports Operation	
101	HT-082-4:2011	Golf and Sports Management	
102	HT-082-5:2011	Golf and Sports Management	
103	HT-083-3:2011	Golf Course Maintenance Operation	
104	HT-083-4:2011	Golf Course Maintenance Management	
105	HT-083-5:2011	Golf Course Maintenance Management	
106	BT-010-4:2011	Tissue Culture Technology Laboratory Management	
107	BT-010-5:2011	Tissue Culture Technology Laboratory Management	
108	BT-042-4:2011	Bioprocessing Fermentation Operation	
109	BT-042-5:2011	Bioprocessing Fermentation Management	
110	BT-041-4:2011	Herbal Processing Operation Coordination	
111	BT-041-5:2011	Herbal Processing Management	

BIL. (NO.)	KOD NOSS/NCS BARU (NEW NOSS/NCS CODE)	TAJUK NOSS/NCS (NOSS/NCS TITLE)	KOD NOSS/NCS LAMA (PREVIOUS NOSS/NCS CODE)
112	OG-010-2:2011	Piping Fabrication Operation(Oil,Gas and Petrochemical)	
113	OG-010-3:2011	Piping Fabrication Operation(Oil,Gas and Petrochemical)	
114	OG-012-3:2011	Drilling Operation (Oil and Gas)	
115	OG-011-3:2011	Metal Structure Fabrication Operation (Oil, Gas and Petrochemical)	
116	DT-020-2:2011	Sales Operation	
117	DT-020-3:2011	Sales Operation	
118	DT-020-4:2011	Sales Operation	
119	DT-020-5:2011	Sales Operation	
120	IT-051-2:2011	Audio Production	D-100-2
121	IT-051-3:2011	Audio Production	D-100-3
122	IT-071-2:2011	Video/Film Production (Shooting)	D-090-2
123	IT-071-3:2011	Video/Film Production (Shooting)	D-090-3
124	IT-070-4:2011	Creative Content Development	D-120-4
125	IT-070-5:2011	Creative Content Development	D-120-5
126	MC-091-4:2011	Industrial Automation Engineering	H-176-4
127	MC-091-5:2011	Industrial Automation Engineering	H-176-5
128	MP-080-3:2011	Foot, Hand and Ear Reflexology	N-013-2
129	MP-081-3:2011	Aromatherapy	N-014-2
130	MP-082-3:2011	Massage Therapy	N-015-2
131	HT-050-4:2011	Housekeeping Management	L-150-4
132	HT-050-5:2011	Housekeeping Management	L-150-5
133	HT-110-3:2011	Guest Service Operation	L-160-1/2/3
134	HT-012-4:2011	Food Preparation & Production Service	L-040-4
135	HT-012-5:2011	Food Preparation & Production Service	L-040-5
136	HT-013-2:2011	Bakery Production	L-100-1/2
137	HT-013-3:2011	Bakery Production	L-100-3
138	HT-014-2:2011	Pastry Production	L-110-1/2
139	HT-014-3:2011	Pastry Production	L-110-3
140	TA-020-1:2011	Apparel Manufacturing (Mass Production)	K-040-1 K-070-1
141	TA-020-2:2011	Apparel Manufacturing (Mass Production)	K-040-2 K-060-2 K-070-2
142	TA-020-3:2011	Apparel Manufacturing (Mass Production)	K-040-3 K-060-3 K-070-3
143	RB-080-2:2011	Palm Oil Processing	Y-032-2
144	RB-080-3:2011	Palm Oil Processing	Y-032-3
145	RB-080-4:2011	Palm Oil Milling	Y-031-4
146	RB-080-5:2011	Palm Oil Milling	Y-031-5

## Senarai SKPK yang diluluskan pada tahun 2012/ *List of NOSS endorsed in year 2012*

(Nota: Rujuk di dalam Daftar untuk nama NOSS dwi-bahasa)

BIL. (NO.)	KOD NOSS/NCS BARU (NEW NOSS/NCS CODE)	TAJUK NOSS/NCS (NOSS/NCS TITLE)	KOD NOSS/NCS LAMA (PREVIOUS NOSS/NCS CODE)
<b>MPKK 5hb April 2012 / MPKK 5th April 2012</b>			
1	EE-320-2:2012	Single Phase Electrical Installation & Maintenance	C-051-2 C-030-2 EE-310-2
2	EE-320-3:2012	Three Phase Electrical Installation & Maintenance	C-051-3 C-030-3 EE-310-3
3	EE-320-4:2012	Low Voltage Electrical Installation & Maintenance	C-051-4
4	EE-320-5:2012	High Voltage Electrical Installation & Maintenance	C-051-5
5	EE-021-2:2012	Electronic Equipment and Appliance Installation & Troubleshooting	E-011-2 EE-010-2
6	EE-021-3:2012	Electronic Equipment Troubleshooting, Repair & Maintenance	E-011-3 EE-010-3
7	EE-021-4:2012	Electronic Product Development	E-030-4
8	EE-021-5:2012	Electronic Product Design & Management	E-030-5
9	EE-321-3:2012	Transmission Infrastructure Installation and Maintenance	D-210-2 D-210-3 D-211-2 D-211-3
10	EE-321-4:2012	Wired Transmission Infrastructure Management	D-215-4
11	EE-321-5:2012	Wired Transmission Infrastructure Management	D-215-5
12	IT-051-4:2012	Audio Production	
13	IT-051-5:2012	Audio Production	
14	MC-041-2:2012	Industrial Quality Control	H-301-1 H-301-2
15	MC-041-3:2012	Industrial Quality Assurance (Manufacturing)	H-301-3
16	MC-041-4:2012	Industrial Quality Assurance	H-301-4
17	MC-041-5:2012	Industrial Quality Assurance	H-301-5
18	ME-020-2:2012	HVAC Single Phase Air-Conditioning Equipment (Installation, Servicing, Troubleshooting & Repair)	C-010-1 C-010-2
19	ME-021-2:2012	HVAC Three Phase Air-Conditioning Equipment (Servicing, Troubleshooting & Repair)	C-040-1 C-040-2
20	ME-020-3:2012	HVAC Installation and Maintenance Supervision	C-010-3
21	ME-020-4:2012	HVAC Design, Installation and Maintenance Management	C-040-4
22	ME-020-5:2012	HVAC Design, Installation and Maintenance Management	C-040-5

<b>BIL. (NO.)</b>	<b>KOD NOSS/NCS BARU (NEW NOSS/NCS CODE)</b>	<b>TAJUK NOSS/NCS (NOSS/NCS TITLE)</b>	<b>KOD NOSS/NCS LAMA (PREVIOUS NOSS/NCS CODE)</b>
23	TP-025-1:2012	Deck Operation	
24	TP-025-2:2012	Navigational Lookout and Deck Operation	
25	TP-025-3:2012	Navigational Watchkeeping and Deck Operation	
26	TP-025-4:2012	Navigational Watchkeeping and Cargo Operation	
27	TP-025-5:2012	Navigational and Shipboard Operation	
28	TP-119-3	Motorsport Technician (2 Wheel)	
29	TP-120-3	Motorsport Fabricator	
30	TP-301-3	Motorsport Technician (4 Wheel)	
31	TP-302-3	Motorsport Technician (Electrical & Electronic)	
32	TP-303-3:2012	Natural Gas Vehicle (NGV) Installation & Maintenance	P-116-2
33	TP-304-3:2012	Automotive Workshop Customer Service	
34	TP-305-4	Vehicle Inspection Management	
35	TP-305-5	Vehicle Inspection Management	
36	TP-118-1:2012	Motorcycle Servicing & Maintenance	P-118-1
37	TP-118-2:2012	Motorcycle Servicing & Maintenance	P-118-2
38	TP-118-3:2012	Motorcycle Servicing & Maintenance	P-118-3
39	TP-306-1:2012	Automotive Spray Painting	P-050-1
40	TP-306-2:2012	Automotive Spray Painting	P-050-2
41	TP-306-3:2012	Automotive Spray Painting	P-050-3
42	TP-307-2:2012	Commercial Vehicle Servicing and Maintenance	P-030-2
43	TP-307-3:2012	Commercial Vehicle Servicing and Maintenance	P-030-3
44	TP-308-2:2012	Light Vehicle Wheel Servicing	P-130-2
45	TP-309-2:2012	Heavy Vehicle Wheel Servicing	P-130-2
46	PR-023-2:2012	Offset Lithographic Production	F-022-2
47	PR-023-3:2012	Offset Lithographic Production	F-022-3
48	PR-024-2:2012	Desktop Publishing	F-031-2
49	PR-024-3:2012	Graphic Design	F-031-3
50	HT-082-1	Assistant Buggy Mechanic	
51	HT-082-2	Buggy Mechanic	
52	HT-084-1	Groundsman	
53	HT-084-2	Assistant Greenkeeper	
54	HT-084-3	Greenkeeper	
55	HT-085-2	Assistant Horticulturist	
56	HT-085-3	Horticulturist	
57	HT-086-1	Assistant Club Fitter	
58	HT-086-2	Club Fitter	
59	HT-086-3	Senior Club Fitter	
60	HT-087-4	Professional Golf Instructor	
61	HT-087-5	Head Golf Professional	

BIL. (NO.)	KOD NOSS/NCS BARU (NEW NOSS/NCS CODE)	TAJUK NOSS/NCS (NOSS/NCS TITLE)	KOD NOSS/NCS LAMA (PREVIOUS NOSS/NCS CODE)
62	HT-400-3	<i>Recreational Scuba Dive Guide</i>	U-010-3
63	HT-023-3:2012	<i>Tourist Guide (City Guide )</i>	HT-023-3
64	BC-055-1	<i>Winchman</i>	
65	BC-055-2	<i>Senior Winchman</i>	
66	BC-055-3	<i>Winchman Supervisor</i>	
67	LE-030-3:2012	<i>Energy Audit Data Measurement</i>	
68	LE-030-4:2012	<i>Energy Auditing</i>	
69	LE-030-5:2012	<i>Energy Auditing Management</i>	
70	LE-031-2:2012	<i>Solid Waste Collection Operation</i>	
71	LE-031-3:2012	<i>Solid Waste Collection Operation Supervision</i>	
72	LE-032-2:2012	<i>Solid Waste Collection Truck Operation</i>	
73	LE-031-4:2012	<i>Solid Waste Collection and Public Cleansing Operation Administration</i>	
74	LE-031-5:2012	<i>Solid Waste Collection and Public Cleansing Operation Management</i>	
75	LE-040-5:2012	<i>Green Building Consultation and Management</i>	
76	FB-075-2:2012	<i>Human Capital Development Support Service</i>	
77	FB-075-3:2012	<i>Human Capital Development Support Service</i>	
78	FB-075-4:2012	<i>Human Capital Development Management</i>	
79	FB-075-5:2012	<i>Human Capital Development Management</i>	
80	FB-074-4:2012	<i>Compensation and Benefits Management</i>	
81	FB-073-4:2012	<i>Employee-Employer Relation Management</i>	
82	FB-073-5:2012	<i>Employee-Employer Relation Management</i>	
83	AF-033-4:2012	Pengurusan Pengeluaran Benih Ikan Air Tawar	
84	AF-033-5:2012	Pengurusan Pengeluaran Benih Ikan Air Tawar	
85	AF-011-2:2012	Teknologi Pemprosesan Herba (Primer)	
86	AF-011-3:2012	Teknologi Pemprosesan Herba (Primer)	
87	AF-012-2:2012	<i>Processed Food Product Packaging Operation ( Semi/ Finish Product)</i>	
88	AF-012-3:2012	<i>Processed Food Product Packaging Operation ( Semi/ Finish Product)</i>	
89	AF-013-3:2012	Pengendalian Tanaman Cendawan (Tanah Rendah)	
90	AF-014-2:2012	Pemprosesan Produk Perikanan	
91	AF-014-3:2012	Pemprosesan & Kawalan Kualiti Produk Perikanan	
92	AF-070-4:2012	<i>Abattoir Management</i>	
93	AF-070-5:2012	<i>Abattoir Management</i>	
94	OG-020-3:2012	<i>Structure Technical Drawing (Oil &amp; Gas)</i>	
95	DT-021-3:2012	<i>Purchasing Operation (Wholesale)</i>	
<b>MPKK 17hb Julai 2012 / MPKK 17th July 2012</b>			
1	EE-022-4:2012	<i>Front End Wafer Fabrication Process &amp;</i>	

BIL. (NO.)	KOD NOSS/NCS BARU (NEW NOSS/NCS CODE)	TAJUK NOSS/NCS (NOSS/NCS TITLE)	KOD NOSS/NCS LAMA (PREVIOUS NOSS/NCS CODE)
		<i>Manufacturing Operation</i>	
2	EE-022-5:2012	<i>Front End Wafer Fabrication Process Operation</i>	
3	EE-023-5:2012	<i>Front End Wafer Fabrication Manufacturing Operation</i>	
4	MC-031-4	<i>Assistant Metal Stamping Die Technologist</i>	H-093-4 H-095-4
5	MC-031-5	<i>Metal Stamping Die Technologist</i>	H-095-5
6	MC-030-4	<i>Assistant Plastic Injection Mould Technologist</i>	H-094-4
7	MC-030-5	<i>Plastic Injection Mould Technologist</i>	H-095-5
8	MC-072-3:2012	<i>Metal Forging Production</i>	
9	MC-073-1	<i>Assistant Fabricator (SME)</i>	
10	MC-073-2	<i>Fabrication Supervisor (SME)</i>	
11	MC-073-3	<i>Fabrication Quality Controller (SME)</i>	
12	MC-074-1	<i>Assistant Fabricator (Structure)</i>	
13	MC-074-2	<i>Fabricator (Structure)</i>	
14	MC-074-3	<i>Fabrication Supervisor (Structure)</i>	
15	MC-075-1	<i>Assistant Fabricator (Pressurized Equipment)</i>	
16	MC-075-2	<i>Fabricator (Pressurized Equipment)</i>	
17	MC-075-3	<i>Fabrication Supervisor (Pressurized Equipment)</i>	
18	MC-075-4:2012	<i>Pressurized Equipment Manufacturing</i>	
19	MC-075-5:2012	<i>Pressurized Equipment Manufacturing</i>	
20	TP-300-4	<i>Automotive-After Sales Service Executive</i>	P-080-4
21	TP-300-5	<i>Automotive-After Sales Service Manager</i>	P-080-5
22	PR-025-3	<i>Editorial Assistant</i>	
23	PR-025-4	<i>Assistant Editor</i>	
24	PR-025-5	<i>Editor</i>	
25	MP-061-3:2012	<i>Spa Therapy</i>	N-030-1 N-030-2 N-030-3
26	HT-062-3:2012	<i>Operasi Pengemudian Rekreasi Air</i>	
27	FB-016-3:2012	<i>Financial Planning</i>	
28	FB-017-3	<i>Penyelia Desa</i>	
29	FB-017-4	<i>Pengurus Desa Mukim</i>	
30	FB-017-5	<i>Pengurus Desa Daerah</i>	
31	TCJ1	<i>Carpenter</i>	
32	TCJ2	<i>Carpenter</i>	
33	TCJ3	<i>Carpenter Supervisor</i>	
34	SCT1	<i>Steel Structure Installer(Cold Formed)</i>	
35	SCT2	<i>Steel Structure Installer(Cold Formed)</i>	

BIL. (NO.)	KOD NOSS/NCS BARU (NEW NOSS/NCS CODE)	TAJUK NOSS/NCS (NOSS/NCS TITLE)	KOD NOSS/NCS LAMA (PREVIOUS NOSS/NCS CODE)
36	SCT3	Steel Structure Supervisor(Cold Formed)	
37	STE1	Steel Structure Installer(Hot Rolled)	
38	STE2	Steel Structure Installer(Hot Rolled)	
39	STE3	Steel Structure Supervisor(Hot Rolled)	
40	PCP1	Blaster	
41	PCB1	Painter	
42	PCB2	Blasting & Painting Technician	
43	PCB3	Blasting & Painting Supervisor	
44	CRS1	Assistant Rigger(Signalman)	

Senarai Keseluruhan SKPK Yang Telah Dikajisemula/ *List of Total NOSS Reviewed*

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
1	EE-310-2	ELECTRICIAN (WIRING)	C-020-1 C-020-2	PENDAWAI PENDAWAI	2
2	EE-200-2	RADAR MAINTENANCE ASSISTANT TECHNICIAN	D-020-2	MEKANIK RADAR (SENGGARAAN)	1
3	EE-200-3	RADAR MAINTENANCE TECHNICIAN	D-020-3	JURUTEKNIK RADAR (SENGGARAAN)	1
4	MC-010-1	ASST TECHNICIAN-MECHANICAL PRECISION INSTRUMENT	H-190-1	ASST TECHNICIAN- MECHANICAL PRECISION INSTRUMENT	1
5	MC-010-2	TECHNICIAN-MECHANICAL PRECISION INSTRUMENT	H-190-2	TECHNICIAN-MECHANICAL PRECISION INSTRUMENT	1
6	MC-010-3	SENIOR TECHNICIAN- MECHANICAL PRECISION INSTRUMENT	H-190-3	SENIOR TECHNICIAN- MECHANICAL PRECISION INSTRUMENT	1
7	MC-030-2	TOOLMAKER-PLASTIC INJECTION MOULD	H-097-2	TOOLMAKER-PLASTIC INJECTION MOULD	1
8	MC-030-3	SENIOR TOOLMAKER-PLASTIC INJECTION MOULD	H-097-3	SENIOR TOOLMAKER-PLASTIC INJECTION MOULD	1
9	MC-031-2	TOOLMAKER-METAL STAMPING DIE	H-096-2	TOOLMAKER-METAL STAMPING DIE	1
10	MC-031-3	SENIOR TOOLMAKER-METAL STAMPING DIE	H-096-3	SENIOR TOOLMAKER-METAL STAMPING DIE	1
11	MC-032-2	CNC MACHINIST	H-013-2	CNC MACHINIST	1
12	MC-032-3	CNC TECHNICIAN	H-013-3	CNC TECHNICIAN	1
13	MC-070-1	FOUNDRY MAN	G-060-1	JURUFOUNDRI	1
14	MC-070-2	SENIOR FOUNDRY MAN	G-060-2	JURUFOUNDRI KANAN	1
15	MC-070-3	FOUNDRY TECHNICIAN	G-070-3 G-080-3 G-090-3 G-100-3	JURUTEKNIK FOUNDRY (LEBUR) JURUTEKNIK FOUNDRY (PEMBUAT ACUAN & TERAS) JURUTEKNIK FOUNDRY (PEMBUATAN CORAK) JURUTEKNIK FOUNDRY (TUANGAN ACUAN)	4

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
16	MC-050-1	GENERAL MACHINIST	H-017-1 H-011-1	GENERAL MACHINIST (PEMESIN AM)	2
17	MC-050-2	PEMESIN	H-014-2 H-010-2	PEMESIN AM(OPERASI LARIK)	2
			H-015-2 H-011-2	PEMESIN AM(OPERASI KISAR)	2
			H-016-2 H-012-2	PEMESIN AM (OPERASI CANAI)	2
18	MC-050-3	PEMESIN KANAN	H-014-3 H-010-3	PEMESIN (OPERASI LARIK)	2
			H-015-3 H-011-3	PEMESIN (OPERASI KISAR)	2
			H-016-3 H-012-3	PEMESIN (OPERASI CANAI)	2
19	MC-050-4	MANUFACTURING EXECUTIVE (CAD/CAM)	H-050-4	PENOLONG JURUTERA PEMBUATAN – CAD / CAM	1
20	MC-050-5	MANUFACTURING SPECIALIST (CAD/ CAM)	H-050-5	JURUTERA PEMBUATAN – CAD / CAM	1
21	MC-080-2	MECHANICAL ENGINEERING DRAUGHTSMAN	H-050-1 H-050-2	PELUKIS PELAN KEJURUTERAAN MEKANIKAL PELUKIS PELAN KEJURUTERAAN MEKANIKAL	2
22	MC-081-3	SENIOR MECHANICAL ENGINEERING DRAUGHTSMAN	H-051-3	PELUKIS PELAN KANAN KEJURUTERAAN MEKANIKAL	1
23	MC-082-3	SENIOR MECHANICAL ENGINEERING DRAUGHTSMAN	H-052-3	PELUKIS PELAN KANAN KEJURUTERAAN MEKANIKAL-	1
24	AF-030-2	JURUTEKNIK RENDAH AKUAKULTUR	Y-021-2	JURUTEKNIK RENDAH AKUAKULTUR(KRUSTASIA)	1
25	AF-030-3	JURUTEKNIK AKUAKULTUR (MARIN)	Y-021-3	JURUTEKNIK AKUAKULTUR (KRUSTASIA)	1
26	BC-041-1	ACMV ASSISTANT TECHNICIAN	ACT1	ACMV ASSISTANT TECHNICIAN	1
27	BC-041-2	ACMV TECHNICIAN	ACT2	ACMV TECHNICIAN	1
28	BC-041-3	ACMV MAINTENANCE SUPERVISOR	ACT3	ACMV MAINTENANCE SUPERVISOR	1
29	BC-042-1	ACMV ELECTRICAL ASSISTANT INSTALLER	ACE1	ACMV ELECTRICAL ASSISTANT INSTALLER	1
30	BC-042-2	ACMV ELECTRICAL INSTALLER	ACE2	ACMV ELECTRICAL INSTALLER	1
31	BC-050-1	JUNIOR ARCHITECTURAL DRAUGHTSMAN	B-050-1	ARCHITECTURAL DRAUGHTSMAN	1
32	BC-050-2	ARCHITECTURAL DRAUGHTSMAN	B-050-2	ARCHITECTURAL DRAUGHTSMAN	1
33	BC-050-3	SENIOR ARCHITECTURAL DRAUGHTSMAN	B-050-3	SENIOR ARCHITECTURAL DRAUGHTSMAN	1
34	C-051-1	JURUTEKNIK ELEKTRIK RENDAH	C-050-1	JURUTEKNIK ELEKTRIK	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
				RENDAH	
35	<b>C-051-2</b>	JURUTEKNIK ELEKTRIK	C-050-2	JURUTEKNIK ELEKTRIK	1
36	<b>C-051-3</b>	JURUTEKNIK ELEKTRIK KANAN	C-050-3	JURUTEKNIK ELEKTRIK KANAN	1
37	<b>CM-010-2</b>	JURUTEKNIK INSTRUMENTASI PERINDUSTRIAN & KAWALAN	H-300-1 H-300-2	JURUTEKNIK INSTRUMENTASI PERINDUSTRIAN & KAWALAN	2
38	<b>CM-010-3</b>	JURUTEKNIK KANAN INSTRUMENTASI PERINDUSTRIAN & KAWALAN	H-300-3	JURUTEKNIK KANAN INSTRUMENTASI PERINDUSTRIAN & KAWALAN	1
39	<b>D-217-3</b>	JURUTEKNIK TELEKOMUNIKASI – OPERASI PENGISUISAN	D-214-3	JURUTEKNIK TELEKOMUNIKASI – OPERASI PENGISUISAN	1
40	<b>D-217-4</b>	PENOLONG JURUTERA TELEKOMUNIKASI – OPERASI PENGISUISAN	D-214-4	PENOLONG JURUTERA TELEKOMUNIKASI – OPERASI PENGISUISAN	1
41	<b>D-217-5</b>	JURUTERA TELEKOMUNIKASI – OPERASI PENGISUISAN	D-214-5	JURUTERA TELEKOMUNIKASI – OPERASI PENGISUISAN	1
42	<b>E-011-1</b>	JURUTEKNIK RENDAH ELEKTRONIK INDUSTRI - PERALATAN	E-010-1	JURUTEKNIK RENDAH ELEKTRONIK INDUSTRI - PERALATAN	1
43	<b>E-011-2</b>	JURUTEKNIK ELEKTRONIK INDUSTRI - PERALATAN	E-010-2	JURUTEKNIK ELEKTRONIK INDUSTRI - PERALATAN	1
44	<b>E-011-3</b>	JURUTEKNIK KANAN ELEKTRONIK INDUSTRI - PERALATAN	E-010-3	JURUTEKNIK KANAN ELEKTRONIK INDUSTRI - PERALATAN	1
45	<b>EE-130-1</b>	PEMBANTU JURUTEKNIK ALATAN KEPERSISAN ELEKTRIKAL	C-060-1	PEMBANTU JURUTEKNIK ALATAN KEPERSISAN ELEKTRIKAL	1
46	<b>EE-130-2</b>	JURUTEKNIK ALATAN KEPERSISAN ELEKTRIKAL	C-060-2	JURUTEKNIK ALATAN KEPERSISAN ELEKTRIKAL	1
47	<b>EE-130-3</b>	JURUTEKNIK KANAN ALATAN KEPERSISAN ELEKTRIKAL	C-060-3	JURUTEKNIK KANAN ALATAN KEPERSISAN ELEKTRIKAL	1
48	<b>F-022-1</b>	JURUCETAK LITHOGRAPHIC	F-020-1	JURUCETAK LITHOGRAPHIC	1
49	<b>F-022-2</b>	JURUCETAK LITHOGRAPHIC KANAN	F-020-2	JURUCETAK LITHOGRAPHIC KANAN	1
50	<b>F-022-3</b>	PENYELIA PERCETAKAN LITHOGRAPHIC	F-020-3	PENYELIA PERCETAKAN LITHOGRAPHIC	1
51	<b>F-031-1</b>	ARTIS DTP	F-030-1	ARTIS DTP	1
52	<b>F-031-2</b>	PEREKA GRAFIK	F-030-2	PEREKA GRAFIK	1
53	<b>F-031-3</b>	EKSEKUTIF REKAAN GRAFIK	F-030-3	EKSEKUTIF REKAAN GRAFIK	1
54	<b>FB-011-1</b>	PEMBANTU DOKUMENTASI PENGHANTARAN	M-020-1	PEMBANTU DOKUMENTASI PENGHANTARAN	1
55	<b>FB-011-2</b>	PENYELARAS OPERASI PENGHANTARAN	M-020-2	PENYELARAS OPERASI PENGHANTARAN	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
56	<b>FB-011-3</b>	PENYELIA OPERASI PENGHANTARAN	M-020-3	PENYELIA OPERASI PENGHANTARAN	1
57	<b>FB-011-4</b>	EKSEKUTIF OPERASI PENGHANTARAN	M-020-4	EKSEKUTIF OPERASI PENGHANTARAN	1
58	<b>FB-011-5</b>	PENGURUS OPERASI PENGHANTARAN	M-020-5	PENGURUS OPERASI PENGHANTARAN	1
59	<b>FTG1/ B-031-1</b>	JURUGEGAS GAS KELAS 1	B-030-1	JURUGEGAS GAS KELAS 1	1
60	<b>FTG2/ B-031-2</b>	JURUGEGAS GAS KELAS 2	B-030-2	JURUGEGAS GAS KELAS 2	1
61	<b>FTG3/ B-031-3</b>	JURUGEGAS GAS KELAS 3	B-030-3	JURUGEGAS GAS KELAS 3	1
62	<b>H-176-2</b>	JURUTEKNIK AUTOMASI	H-170-2	JURUTEKNIK AUTOMASI	1
63	<b>H-176-3</b>	JURUTEKNIK AUTOMASI SENIOR	H-170-3	JURUTEKNIK AUTOMASI SENIOR	1
64	<b>H-312-2</b>	JURUTEKNIK REKABENTUK PRODUK INDUSTRI	H-302-2	JURUTEKNIK REKABENTUK PRODUK INDUSTRI	1
65	<b>H-312-3</b>	JURUTEKNIK KANAN REKABENTUK PRODUK INDUSTRI	H-302-3	JURUTEKNIK KANAN REKABENTUK PRODUK INDUSTRI	1
66	<b>HT-010-1</b>	PRAMUSAJI	L-050-1	PRAMUSAJI	1
67	<b>HT-010-2</b>	KAPTAN MAKANAN & MINUMAN	L-050-2	KAPTAN MAKANAN & MINUMAN	1
68	<b>HT-010-3</b>	PENYELIA MAKANAN & MINUMAN	L-050-3	PENYELIA MAKANAN & MINUMAN	1
69	<b>HT-010-4</b>	FOOD & BEVERAGE OUTLET MANAGER	L-050-4	FOOD & BEVERAGE OUTLET MANAGER	1
70	<b>HT-010-4</b>	PENGURUS BAHAGIAN MAKANAN & MINUMAN	L-050-4	PENGURUS BAHAGIAN MAKANAN & MINUMAN	1
71	<b>HT-010-5</b>	FOOD & BEVERAGE MANAGER	L-050-5	FOOD & BEVERAGE MANAGER	1
72	<b>HT-010-5</b>	PENGURUS MAKANAN & MINUMAN	L-050-5	PENGURUS MAKANAN & MINUMAN	1
73	<b>HT-023-3</b>	PEMANDU PELANCONG	L-030-3	PEMANDU PELANCONG	1
74	<b>HT-024-3</b>	KETUA ROMBONGAN PELANCONG	L-070-3	KETUA ROMBONGAN PELANCONG	1
75	<b>HT-025-3</b>	NATURE GUIDE	L-201-3	NATURE GUIDE	1
76	<b>HT-025-3</b>	PEMANDU PELANCONG ALAM SEMULAJADI	L-201-3	PEMANDU PELANCONG ALAM SEMULAJADI	1
77	<b>HT-050-1</b>	CHAMBERMAID	L-120-1	CHAMBERMAID	1
78	<b>HT-050-2</b>	SENIOR CHAMBERMAID	L-120-2	SENIOR CHAMBERMAID	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
79	HT-050-3	HOUSEKEEPING SUPERVISOR	L-120-3	HOUSEKEEPING SUPERVISOR	1
80	HT-051-1	ATENDAN KAWASAN AWAM	L-121-1	ATENDAN KAWASAN AWAM	1
81	HT-051-2	SENIOR PUBLIC ATTENDANT	L-121-2	SENIOR PUBLIC ATTENDANT	1
82	HT-051-3	PUBLIC AREA SUPERVISOR	L-121-2	PUBLIC AREA SUPERVISOR	1
83	HT-052-2	LINEN MAID	L-122-2	LINEN MAID	1
84	HT-052-3	LINEN SUPERVISOR	L-150-3	LINEN SUPERVISOR	1
85	HT-060-1	TOURISM TRANSPORTATION CLERK	L-090-1	TOURISM TRANSPORTATION CLERK	1
86	HT-060-2	TOURISM TRANSPORTATION COORDINATOR	L-090-2	TOURISM TRANSPORTATION COORDINATOR	1
87	HT-060-3	TOURISM TRANSPORTATION SUPERVISOR	L-090-3	TOURISM TRANSPORTATION SUPERVISOR	1
88	HT-061-2	PEMANDU KENDERAAN PELANCONG	L-080-2	PEMANDU KENDERAAN PELANCONG	1
89	HT-090-5	PENOLONG PENGURUS PENDANDAN RAMBUT	N-021-5	PENOLONG PENGURUS PENDANDAN RAMBUT	1
90	HT-101-1	RESERVATION AND TICKETING CLERK	L-010-1	RESERVATION AND TICKETING CLERK	1
91	HT-101-2	RESERVATION AND TICKETING COORDINATOR	L-010-2	RESERVATION AND TICKETING CLERK	1
92	HT-101-3	RESERVATION AND TICKETING SUPERVISOR	L-010-3	RESERVATION AND TICKETING SUPERVISOR	1
93	HT-102-1	INBOUND TOUR OPERATIONS CLERK	L-020-1	INBOUND TOUR OPERATIONS CLERK	1
94	HT-102-2	INBOUND TOUR OPERATIONS COORDINATOR	L-020-2	INBOUND TOUR OPERATIONS COORDINATOR	1
95	HT-102-3	INBOUND TOUR OPERATIONS SUPERVISOR	L-020-3	INBOUND TOUR OPERATIONS SUPERVISOR	1
96	HT-200-1	MICE CLERK	L-140-1	CONVENTION CLERK	1
97	HT-200-2	MICE COORDINATOR	L-140-2	CONVENTION COORDINATOR	1
98	HT-200-3	MICE SUPERVISOR	L-140-3	CONVENTION SUPERVISOR	1
99	ID-040-1	JUNIOR INTERIOR DRAUGHTSMAN	B-120-1	JUNIOR INTERIOR DRAUGHTSMAN	1
100	ID-040-2	INTERIOR DRAUGHTSMAN	B-120-2	INTERIOR DRAUGHTSMAN	1
101	ID-040-3	SENIOR INTERIOR DRAUGHTSMAN	B-120-3	SENIOR INTERIOR DRAUGHTSMAN	1
102	IT-020-2	PEMBANTU JURUTEKNIK SISTEM KOMPUTER	D-041-2 D-040-2	PEMBANTU JURUTEKNIK SISTEM KOMPUTER	2
103	IT-020-3	JURUTEKNIK SISTEM KOMPUTER	D-041-3 D-040-3	JURUTEKNIK SISTEM KOMPUTER	2

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
104	<b>IT-020-4</b>	PEMBANTU EKSEKUTIF SISTEM KOMPUTER	D-041-4 D-040-4	PEMBANTU EKSEKUTIF SISTEM KOMPUTER	2
105	<b>IT-020-5</b>	EKSEKUTIF SISTEM KOMPUTER	D-041-5 D-040-5	EKSEKUTIF SISTEM KOMPUTER	2
106	<b>IT-030-2</b>	PEMBANTU JURUTEKNIK RANGKAIAN KOMPUTER	D-051-2 D-050-2	PEMBANTU JURUTEKNIK RANGKAIAN KOMPUTER	2
107	<b>IT-030-3</b>	JURUTEKNIK RANGKAIAN KOMPUTER	D-051-3 D-050-3	JURUTEKNIK RANGKAIAN KOMPUTER	2
108	<b>IT-040-2</b>	ARTIS MULTIMEDIA – ANIMATOR	D-110-2	ARTIS MULTIMEDIA – ANIMATOR	1
109	<b>IT-050-2</b>	ARTIS MULTIMEDIA – VISUAL	D-111-2	ARTIS MULTIMEDIA – VISUAL	1
110	<b>IT-060-3</b>	PEREKABENTUK MULTIMEDIA – ANIMASI & VISUAL	D-112-3	PEREKABENTUK MULTIMEDIA – ANIMASI & VISUAL	1
111	<b>IT-070-2</b>	ARTIS MULTIMEDIA – PENGARANGAN	D-080-2	ARTIS MULTIMEDIA – PENGARANGAN	1
112	<b>IT-070-3</b>	PEREKABENTUK MULTIMEDIA - PENGARANGAN	D-080-3	PEREKABENTUK MULTIMEDIA - PENGARANGAN	1
113	<b>IT-080-2</b>	PEMBANTU TADBIR SISTEM MAKLUMAT	D-060-2	PEMBANTU TADBIR SISTEM MAKLUMAT	1
114	<b>IT-080-3</b>	PENYELIA PEMBANTU TADBIR SISTEM MAKLUMAT	D-060-3	PENYELIA PEMBANTU TADBIR SISTEM MAKLUMAT	1
115	<b>K-012-1</b>	PEMBUAT PAKAIAN WANITA	K-011-1 K-010-1	PEMBUAT PAKAIAN WANITA	2
116	<b>K-012-2</b>	PEMBUAT PAKAIAN WANITA KANAN	K-011-2 K-010-2	PEMBUAT PAKAIAN WANITA KANAN	2
117	<b>K-012-3</b>	PENYELIA PEMBUAT PAKAIAN WANITA	K-011-3 K-010-3	PENYELIA PEMBUAT PAKAIAN WANITA	2
118	<b>L-041-1</b>	PEMBANTU PENYEDIA MAKANAN	L-040-1	PEMBANTU PENYEDIA MAKANAN	1
119	<b>L-041-2</b>	PENYEDIA MAKANAN	L-040-2	PENYEDIA MAKANAN	1
120	<b>L-041-3</b>	PENYELIA/KETUA SEKSYEN PENYEDIAAN MAKANAN	L-040-3	PENYELIA/KETUA SEKSYEN PENYEDIAAN MAKANAN	1
121	<b>LE-010-1</b>	LANDSCAPE ATTENDANT	LSC1	LANDSCAPE CONSTRUCTION ATTENDANT	1
122	<b>LE-010-2</b>	LANDSCAPE COORDINATOR	LSC2	LANDSCAPE CONSTRUCTION COORDINATOR	1
123	<b>LE-010-3</b>	LANDSCAPE SUPERVISOR	LSC3	LANDSCAPE CONSTRUCTION SUPERVISOR	1
124	<b>MC-010-1</b>	PEMBANTU JURUTEKNIK ALATAN KEPERSISAN MEKANIKAL	H-190-1	PEMBANTU JURUTEKNIK ALATAN KEPERSISAN MEKANIKAL	1
125	<b>MC-010-2</b>	JURUTEKNIK ALATAN KEPERSISAN MEKANIKAL	H-190-2	JURUTEKNIK ALATAN KEPERSISAN MEKANIKAL	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
126	MC-010-3	JURUTEKNIK KANAN ALATAN KEPERSISAN MEKANIKAL	H-190-3	JURUTEKNIK KANAN ALATAN KEPERSISAN MEKANIKAL	1
127	MC-090-4	ASSISTANT MECHATRONIC TECHNOLOGIST	H-175-4	MECHATRONIC ASSISTANT ENGINEER	1
128	MC-090-5	MECHATRONIC TECHNOLOGIST	H-175-5	MECHATRONIC ENGINEER	1
129	ME-010-1	ELECTROMECHANICAL MAINTENANCE JUNIOR TECHNICIAN	H-100-1	INDUSTRIAL MECHANIC	1
130	ME-010-2	ELECTROMECHANICAL MAINTENANCE TECHNICIAN	H-100-2	INDUSTRIAL MECHANIC	1
131	ME-010-3	ELECTROMECHANICAL MAINTENANCE SUPERVISOR	H-100-3	INDUSTRIAL TECHNICIAN	1
132	N-022-1	PENDANDAN RAMBUT MUDA	N-021-1 N-020-1	PENDANDAN RAMBUT MUDA	2
133	N-022-2	PENDANDAN RAMBUT	N-021-2 N-020-2	PENDANDAN RAMBUT	2
134	N-022-3	PENDANDAN RAMBUT KANAN	N-021-3 N-020-3	PENDANDAN RAMBUT KANAN	2
135	OT-010-2	MEKANIK PERSENJATAAN	H-030-2	MEKANIK PERSENJATAAN	1
136	OT-010-3	JURUTEKNIK PERSENJATAAN	H-030-3	JURUTEKNIK PERSENJATAAN	1
137	P-091-1	PENGETUK PANEL KENDERAAN RENDAH	P-090-1	PENGETUK PANEL KENDERAAN RENDAH	1
138	P-091-2	PENGETUK PANEL KENDERAAN	P-090-2	PENGETUK PANEL KENDERAAN	1
139	P-091-3	PENYELIA PENGETUK PANEL KENDERAAN	P-090-3	PENYELIA PENGETUK PANEL KENDERAAN	1
140	P-118-1	JURUTEKNIK MOTOSIKAL	P-060-1	JURUTEKNIK MOTOSIKAL	1
141	P-118-2	JURUTEKNIK MOTOSIKAL KANAN	P-060-2	JURUTEKNIK MOTOSIKAL KANAN	1
142	P-118-3	PENYELIA JURUTEKNIK MOTOSIKAL	P-118-3	PENYELIA JURUTEKNIK MOTOSIKAL	1
143	P-130-2	JURUTEKNIK AUTOMOTIF SERVIS TAYAR	P-117-1 P-117-2	JURUTEKNIK AUTOMOTIF SERVIS TAYAR	2
144	PG-010-1	PLASTIC EXTRUSION PRODUCTION JUNIOR TECHNICIAN	J-011-1	PLASTIC EXTRUSION PRODUCTION JUNIOR TECHNICIAN	1
145	PG-010-2	PLASTIC EXTRUSION PRODUCTION TECHNICIAN	J-011-2	PLASTIC EXTRUSION PRODUCTION TECHNICIAN	1
146	PG-010-3	PLASTIC EXTRUSION PRODUCTION SENIOR TECHNICIAN	J-011-3	PLASTIC EXTRUSION PRODUCTION SENIOR TECHNICIAN	1
147	PG-020-1	PLASTIC ROTATIONAL MOULDING PRODUCTION JUNIOR TECHNICIAN	J-012-1	PLASTIC ROTATIONAL MOULDING PRODUCTION JUNIOR TECHNICIAN	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
148	<b>PG-020-2</b>	PLASTIC ROTATIONAL MOULDING PRODUCTION TECHNICIAN	J-012-2	PLASTIC ROTATIONAL MOULDING PRODUCTION TECHNICIAN	1
149	<b>PG-020-3</b>	PLASTIC ROTATIONAL MOULDING PRODUCTION SENIOR TECHNICIAN	J-012-3	PLASTIC ROTATIONAL MOULDING PRODUCTION SENIOR TECHNICIAN	1
150	<b>PG-030-1</b>	PLASTIC INJECTION MOULDING PRODUCTION JUNIOR TECHNICIAN	J-010-1	PLASTIC INJECTION MOULDING PRODUCTION JUNIOR TECHNICIAN	1
151	<b>PG-030-2</b>	PLASTIC INJECTION MOULDING PRODUCTION TECHNICIAN	J-010-2	PLASTIC INJECTION MOULDING PRODUCTION TECHNICIAN	1
152	<b>PG-030-3</b>	PLASTIC INJECTION MOULDING PRODUCTION SENIOR TECHNICIAN	J-010-3	PLASTIC INJECTION MOULDING PRODUCTION SENIOR TECHNICIAN	1
153	<b>PG-040-1</b>	PLASTIC BLOW MOULDING PRODUCTION JUNIOR TECHNICIAN	J-014-1	PLASTIC BLOW MOULDING PRODUCTION JUNIOR TECHNICIAN	1
154	<b>PG-040-2</b>	PLASTIC BLOW MOULDING PRODUCTION TECHNICIAN	J-014-2	PLASTIC BLOW MOULDING PRODUCTION TECHNICIAN	1
155	<b>PG-040-3</b>	PLASTIC BLOW MOULDING PRODUCTION SENIOR TECHNICIAN	J-014-3	PLASTIC BLOW MOULDING PRODUCTION SENIOR TECHNICIAN	1
156	<b>PG-060-1</b>	PLASTIC COMPRESSION MOULDING PRODUCTION JUNIOR TECHNICIAN (THERMOSET)	J-013-1	PLASTIC COMPRESSION MOULDING PRODUCTION JUNIOR TECHNICIAN (THERMOSET)	1
157	<b>PG-060-2</b>	PLASTIC COMPRESSION MOULDING PRODUCTION TECHNICIAN	J-013-2	PLASTIC COMPRESSION MOULDING PRODUCTION TECHNICIAN	1
158	<b>PG-060-3</b>	PLASTIC COMPRESSION MOULDING PRODUCTION SENIOR TECHNICIAN (THERMOSET)	J-013-3	PLASTIC COMPRESSION MOULDING PRODUCTION SENIOR TECHNICIAN (THERMOSET)	1
159	<b>PG-070-4</b>	PLASTIC PRODUCTION ASSISTANT MANAGER (THERMOPLASTIC)	J-020-4	PLASTIC PRODUCTION ASSISTANT MANAGER (THERMOPLASTIC)	1
160	<b>PG-070-5</b>	PLASTIC PRODUCTION MANAGER (THERMOPLASTIC)	J-020-5	PLASTIC PRODUCTION MANAGER (THERMOPLASTIC)	1
161	<b>PR-010-1</b>	JURUTEKNIK PRA-CETAK	F-010-1	JURUTEKNIK PRA-CETAK	1
162	<b>PR-010-2</b>	JURUTEKNIK KANAN PRA-CETAK	F-010-2	JURUTEKNIK KANAN PRA-CETAK	1
163	<b>PR-010-3</b>	PENYELIA PRA-CETAK	F-010-3	PENYELIA PRA-CETAK	1
164	<b>PR-020-4</b>	PRINTING PRODUCTION ASSISTANT MANAGER	F-080-4	PRINTING ASSISTANT PRODUCTION MANAGER	1
165	<b>PR-020-5</b>	PRINTING PRODUCTION	F-080-5	PRINTING PRODUCTION MANAGER	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
		MANAGER			
166	PR-021-1	POST - PRESS TECHNICIAN	F-040-1	POST-PRESS OPERATOR	1
167	PR-021-2	POST - PRESS SENIOR TECHNICIAN	F-040-2	SENIOR POST-PRESS OPERATOR	1
168	PR-021-3	POST - PRESS SUPERVISOR	F-040-3	POST-PRESS SUPERVISOR	1
169	RB-050-1	PEMBUAT PERABOT	A-010-1	PEMBUAT PERABOT	1
170	RB-050-2	PEMBUAT PERABOT KANAN	A-010-2	PEMBUAT PERABOT KANAN	1
171	RB-050-3	PENYELIA PEMBUAT PERABOT	A-010-3	PENYELIA PEMBUAT PERABOT	1
172	RB-052-1	PEMBUAT ALAS	A-030-1	PEMBUAT ALAS	1
173	RB-052-2	PEMBUAT ALAS KANAN	A-030-2	PEMBUAT ALAS KANAN	1
174	RB-052-3	PENYELIA PEMBUATAN ALAS	A-030-3	PENYELIA PEMBUATAN ALAS	1
175	SS-080-1	JURUBATIK TERAP	S-014-1	JURUBATIK TERAP	1
176	SS-080-2	JURUBATIK TERAP KANAN	S-014-2	JURUBATIK TERAP KANAN	1
177	SS-080-3	PENYELIA BATIK TERAP	S-014-3	PENYELIA BATIK TERAP	1
178	SS-090-1	JURUBATIK SKRIN	S-015-1	JURUBATIK SKRIN	1
179	SS-090-2	JURUBATIK SKRIN KANAN	S-015-2	JURUBATIK SKRIN KANAN	1
180	SS-090-3	PENYELIA BATIK SKRIN	S-015-2	PENYELIA BATIK SKRIN	1
181	SS-100-1	JURUBATIK LUKIS	S-013-1	JURUBATIK LUKIS	1
182	SS-100-2	JURUBATIK LUKIS KANAN	S-013-2	JURUBATIK LUKIS KANAN	1
183	SS-100-3	PENYELIA BATIK LUKIS	S-013-3	PENYELIA BATIK LUKIS	1
184	SS-110-4	EKSEKUTIF PENGELUARAN BATIK	S-016-4	EKSEKUTIF PENGELUARAN BATIK	1
185	SS-120-4	PEREKA BATIK	S-018-4	PEREKA BATIK	1
186	SS-130-5	PENGURUS PENGELUARAN BATIK	S-018-5	PENGURUS PENGELUARAN BATIK	1
187	SS-140-1	TAPESTRY WEAVER	S-012-1	TAPESTRY WEAVER	1
188	SS-140-2	SENIOR TAPESTRY WEAVER	S-012-2	SENIOR TAPESTRY WEAVER	1
189	SS-140-3	TAPESTRY WEAVING SUPERVISOR	S-012-3	TAPESTRY WEAVING SUPERVISOR	1
190	SS-140-4	WEAVING DESIGNER	S-019-4	WEAVING DESIGNER	1
191	SS-141-2	SENIOR PUA WEAVER	S-011-2	SENIOR PUA WEAVER	1
192	SS-141-3	PUA WEAVING SUPERVISOR	S-011-3	PUA WEAVING SUPERVISOR	1
193	SS-142-1	WEAVER SONGKET & DASTER	S-010-1	WEAVER SONGKET & DASTER	1
194	SS-142-2	SENIOR WEAVER SONGKET & DASTER	S-010-2	SENIOR WEAVER SONGKET & DASTER	1
195	SS-142-3	SENIOR WEAVER SONGKET & DASTER	S-010-3	SENIOR WEAVER SONGKET & DASTER	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
196	<b>SS-142-4</b>	WEAVING INDUSTRY EXECUTIVE	S-017-4	WEAVING INDUSTRY EXECUTIVE	1
197	<b>SS-142-5</b>	WEAVING INDUSTRY MANAGER	S-017-5	WEAVING INDUSTRY MANAGER	1
198	<b>TA-010-1</b>	TAILOR	K-021-1 K-020-1	PEMBUAT PAKAIAN LELAKI	2
199	<b>TA-010-2</b>	SENIOR TAILOR	K-021-2 K-020-2	PEMBUAT PAKAIAN LELAKI KANAN	2
200	<b>TA-010-3</b>	TAILOR SUPERVISOR	K-021-3 K-020-3	PENYELIA PEMBUAT PAKAIAN LELAKI	2
201	<b>TP-010-1</b>	MOTORCYCLE PAINTING OPERATOR	P-114-1	OPERATOR MENGECAAT MOTOSIKAL	1
202	<b>TP-010-2</b>	MOTORCYCLE PAINTING SENIOR OPERATOR	P-114-2	OPERATOR MENGECAAT MOTOSIKAL KANAN	1
203	<b>TP-010-3</b>	MOTORCYCLE PAINTING SUPERVISOR	P-114-3	PENYELIA MENGECAAT MOTOSIKAL	1
204	<b>TP-020-2</b>	JURUELEKTRIK MARIN	R-030-2	JURUELEKTRIK MARIN	1
205	<b>TP-020-3</b>	JURUELEKTRIK KANAN MARIN	R-030-3	JURUELEKTRIK KANAN MARIN	1
206	<b>TP-021-1</b>	MEKANIK MUDA MARIN (MEKANIKAL)	-		-
207	<b>TP-021-2</b>	MEKANIK MARIN (MEKANIKAL)	R-020-2	MEKANIK MARIN (MEKANIKAL)	1
208	<b>TP-021-3</b>	JURUTEKNIK MARIN (MEKANIKAL)	R-020-3	JURUTEKNIK MARIN (MEKANIKAL)	1
209	<b>TP-022-1</b>	FIBERGLASS HULL AND SUPERSTRUCTURE BUILDER	R-060-1	FIBERGLASS HULL AND SUPERSTRUCTURE BUILDER	1
210	<b>TP-022-2</b>	SENIOR FIBERGLASS HULL AND SUPERSTRUCTURE BUILDER	R-060-2	SENIOR FIBERGLASS HULL AND SUPERSTRUCTURE BUILDER	1
211	<b>TP-022-3</b>	FIBERGLASS HULL AND SUPERSTRUCTURE BUILDER SUPERVISOR	R-060-3	FIBERGLASS HULL AND SUPERSTRUCTURE BUILDER SUPERVISOR	1
212	<b>TP-023-2</b>	MARINE ELECTRONIC TECHNICIAN	R-040-2	MARINE ELECTRONIC TECHNICIAN	1
213	<b>TP-023-3</b>	MARINE ELECTRONIC SENIOR TECHNICIAN	R-040-3	MARINE ELECTRONIC SENIOR TECHNICIAN	1
214	<b>TP-024-2</b>	MARINE HULL TECHNICIAN	R-050-2	MARINE HULL TECHNICIAN	1
215	<b>TP-024-3</b>	MARINE HULL SENIOR TECHNICIAN	R-050-3	MARINE HULL SENIOR TECHNICIAN	1
216	<b>TP-030-1</b>	JURUBENTUK KERANGKA BADAN	P-100-1	JURUBENTUK KERANGKA BADAN	1
217	<b>TP-030-2</b>	PEMASANG KERANGKA BADAN	P-100-2	PEMASANG KERANGKA BADAN	1
218	<b>TP-030-3</b>	PENYELIA KERANGKA BADAN	P-100-3	PENYELIA KERANGKA BADAN	1
219	<b>TP-031-2</b>	OPERATOR PERAPIAN BADAN KENDERAAN PENUMPANG	P-101-2	OPERATOR PERAPIAN BADAN KENDERAAN PENUMPANG	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
220	<b>TP-031-3</b>	PENYELIA PERAPIAN BADAN KENDERAAN PENUMPANG	P-101-3	PENYELIA PERAPIAN BADAN KENDERAAN PENUMPANG	1
221	<b>TP-051-3</b>	AIRCRAFT GROUND SUPPORT EQUIPMENT (GSE) TECHNICIAN	Q-061-1 Q-061-2 Q-061-3 Q-062-1 Q-062-2 Q-062-3	AIRCRAFT MECHANIC – GROUND SUPPORT EQUIPMENT (MECHANICAL) AIRCRAFT MECHANIC – GROUND SUPPORT EQUIPMENT (MECHANICAL) AIRCRAFT TECHNICIAN – GROUND SUPPORT EQUIPMENT (MECHANICAL) AIRCRAFT MECHANIC – GROUND SUPPORT EQUIPMENT (AVIONICS) AIRCRAFT MECHANIC – GROUND SUPPORT EQUIPMENT (AVIONICS) AIRCRAFT TECHNICIAN – GROUND SUPPORT EQUIPMENT (AVIONICS)	6
222	<b>TP-060-4</b>	AIRCRAFT TECHNICIAN (MECHANICAL)	Q-020-3 Q-030-3 Q-010-3	AIRCRAFT MECHANIC (MECHANICAL)-AEROPLANE 1 TURBINE AIRCRAFT MECHANIC (MECHANICAL)-AEROPLANE II TURBINE AIRCRAFT MECHANIC (MECHANICAL)-AEROPLANE 1 PISTON	3
223	<b>TP-070-4</b>	AIRCRAFT TECHNICIAN (AVIONICS)	Q-040-3 Q-050-3	AIRCRAFT MECHANIC (AVIONIC) – AEROPLANE AIRCRAFT MECHANIC (AVIONIC)-ROTORCRAFT	2
224	<b>TP-100-1</b>	EARTH MOVING EQUIPMENT MECHANIC	P-020-1	EARTH MOVING EQUIPMENT MECHANIC	1
225	<b>TP-100-2</b>	EARTH MOVING EQUIPMENT TECHNICIAN	P-020-2	EARTH MOVING EQUIPMENT MECHANIC	1
226	<b>TP-100-3</b>	EARTH MOVING EQUIPMENT SENIOR TECHNICIAN	P-020-3	EARTH MOVING EQUIPMENT TECHNICIAN	1
227	<b>TP-300-2</b>	JURUTEKNIK KENDERAAN MOTOR (MOTOR VEHICLE TECHNICIAN)	P-115-1 P-010-1 P-115-2 P-010-2	MOTOR VEHICLE MECHANIC	4
228	<b>TP-300-3</b>	JURUTEKNIK KANAN KENDERAAN MOTOR (MOTOR VEHICLE SENIOR TECHNICIAN)	P-115-3 P-010-3	MOTOR VEHICLE TECHNICIAN	4

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229	<b>TP-410-1</b>	<i>AUTOMOBILE TRIM &amp; FINAL LINE OPERATOR</i>	P-072-1	<i>TRIM &amp; FINAL LINE ASSEMBLER</i>	1
230	<b>TP-410-2</b>	<i>AUTOMOBILE TRIM &amp; FINAL LINE SENIOR OPERATOR</i>	P-072-2	<i>TRIM &amp; FINAL LINE RECTIFIER</i>	1
231	<b>TP-410-3</b>	<i>AUTOMOBILE TRIM &amp; FINAL LINE SUPERVISOR</i>	P-075-3	<i>AUTOMOBILE ASSEMBLY SUPERVISOR</i>	1
232	<b>TP-411-1</b>	<i>AUTOMOBILE BODY ASSEMBLY OPERATOR</i>	P-074-1	<i>AUTOMOBILE BODY ASSEMBLER</i>	1
233	<b>TP-411-2</b>	<i>AUTOMOBILE BODY ASSEMBLY SENIOR OPERATOR</i>	P-074-2	<i>AUTOMOBILE METAL FINISHER</i>	1
234	<b>TP-411-3</b>	<i>AUTOMOBILE BODY ASSEMBLY SUPERVISOR</i>	P-075-3	<i>AUTOMOBILE ASSEMBLY SUPERVISOR</i>	1
235	<b>TP-412-1</b>	<i>AUTOMOBILE PAINTING OPERATOR</i>	P-071-1	<i>AUTOMOBILE PAINTING OPERATOR</i>	1
236	<b>TP-412-2</b>	<i>AUTOMOBILE PAINTING SENIOR OPERATOR</i>	P-071-2	<i>AUTOMOBILE PAINT SPRAYER</i>	1
237	<b>TP-412-3</b>	<i>AUTOMOBILE PAINTING SUPERVISOR</i>	P-075-3	<i>AUTOMOBILE ASSEMBLY SUPERVISOR</i>	1
238	<b>TP-500-1</b>	<i>MOTORCYCLE FABRICATOR (WELDING) OPERATOR</i>	P-093-1	<i>MOTORCYCLE FABRICATOR (WELDING)</i>	1
240	<b>TP-500-2</b>	<i>MOTORCYCLE FABRICATOR (WELDING) SENIOR OPERATOR</i>	P-093-2	<i>SENIOR MOTORCYCLE FABRICATOR (WELDING)</i>	1
241	<b>TP-500-3</b>	<i>MOTORCYCLE FABRICATOR (WELDING) SUPERVISOR</i>	P-093-3	<i>MOTORCYCLE FABRICATOR SUPERVISOR (WELDING)</i>	1
242	<b>TP-510-1</b>	<i>MOTORCYCLE BODY ASSEMBLING OPERATOR</i>	P-110-1	<i>MOTORCYCLE BODY ASSEMBLER</i>	1
243	<b>TP-510-2</b>	<i>MOTORCYCLE BODY ASSEMBLING SENIOR OPERATOR</i>	P-110-2	<i>MOTORCYCLE BODY ASSEMBLER</i>	1
244	<b>TP-510-3</b>	<i>MOTORCYCLE BODY ASSEMBLING SUPERVISOR</i>	P-110-3	<i>MOTORCYCLE BODY ASSEMBLING SUPERVISOR</i>	1
245	<b>TP-511-1</b>	<i>MOTORCYCLE PLATING OPERATOR</i>	P-113-1	<i>MOTORCYCLE PLATING OPERATOR</i>	1
246	<b>TP-511-2</b>	<i>SENIOR MOTORCYCLE PLATING OPERATOR</i>	P-113-2	<i>SENIOR MOTORCYCLE PLATING OPERATOR</i>	1
247	<b>TP-511-3</b>	<i>MOTORCYCLE PLATING SUPERVISOR</i>	P-113-3	<i>MOTORCYCLE PLATING SUPERVISOR</i>	1
248	<b>TP-512-1</b>	<i>MOTORCYCLE ENGINE ASSEMBLING OPERATOR</i>	P-111-1	<i>MOTORCYCLE ENGINE ASSEMBLER</i>	1
249	<b>TP-512-2</b>	<i>MOTORCYCLE ENGINE ASSEMBLING SENIOR OPERATOR</i>	P-111-2	<i>SENIOR MOTORCYCLE ENGINE ASSEMBLER</i>	1
250	<b>TP-512-3</b>	<i>MOTORCYCLE ENGINE ASSEMBLING SUPERVISOR</i>	P-111-3	<i>MOTORCYCLE ENGINE ASSEMBLING SUPERVISOR</i>	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
251	<b>TP-513-2</b>	<i>MOTORCYCLE FINAL INSPECTOR</i>	P-112-2	<i>MOTORCYCLE FINAL INSPECTOR</i>	1
252	<b>TP-513-3</b>	<i>MOTORCYCLE ENGINE SUPERVISOR</i>	P-112-3	<i>MOTORCYCLE FINAL ASSEMBLING SUPERVISOR</i>	1
253	<b>TP-600-1</b>	<i>AGRICULTURAL MACHINERY MECHANIC</i>	P-040-1	<i>AGRICULTURAL MACHINERY MECHANIC</i>	1
254	<b>TP-600-2</b>	<i>AGRICULTURAL MACHINERY TECHNICIAN</i>	P-040-2	<i>AGRICULTURAL MACHINERY MECHANIC</i>	1
255	<b>TP-600-3</b>	<i>AGRICULTURAL MACHINERY SENIOR TECHNICIAN</i>	P-040-3	<i>AGRICULTURAL MACHINERY TECHNICIAN</i>	1
256	<b>MC-110-1</b>	<i>NDT PRACTITIONER (INDUSTRIAL RADIOGRAPHY TESTING) L1</i>	H-040-1	<i>INDUSTRIAL RADIOGRAPHER WELDED CONSTRUCTION</i>	1
257	<b>MC-110-2</b>	<i>NDT PRACTITIONER (INDUSTRIAL RADIOGRAPHY TESTING) L2</i>	H-040-2	<i>INDUSTRIAL RADIOGRAPHER WELDED CONSTRUCTION</i>	1
258	<b>MC-110-3</b>	<i>NDT PRACTITIONER (INDUSTRIAL RADIOGRAPHY TESTING) L3</i>	H-040-3	<i>INDUSTRIAL RADIOGRAPHER WELDED CONSTRUCTION</i>	1
259	<b>MC-111-1</b>	<i>NDT PRACTITIONER (EDDY CURRENT TESTING) L1</i>	H-080-1	<i>EDDY CURRENT TESTER</i>	1
260	<b>MC-111-2</b>	<i>NDT PRACTITIONER (EDDY CURRENT TESTING) L2</i>	H-080-2	<i>EDDY CURRENT TESTER</i>	1
261	<b>MC-111-3</b>	<i>NDT PRACTITIONER (EDDY CURRENT TESTING) L3</i>	H-080-3	<i>EDDY CURRENT TESTER</i>	1
262	<b>MC-112-1</b>	<i>NDT PRACTITIONER (PENETRANT TESTING) L1</i>	H-140-1	<i>LIQUID PENETRANT TESTER-WELDED CONSTRUCTION</i>	1
263	<b>MC-112-2</b>	<i>NDT PRACTITIONER (PENETRANT TESTING) L2</i>	H-140-2	<i>LIQUID PENETRANT TESTER-WELDED CONSTRUCTION</i>	1
264	<b>MC-112-3</b>	<i>NDT PRACTITIONER (PENETRANT TESTING) L3</i>	H-140-3	<i>LIQUID PENETRANT TESTER-WELDED CONSTRUCTION</i>	1
265	<b>MC-113-1</b>	<i>NDT PRACTITIONER (ULTRASONIC TESTING) L1</i>	H-120-1	<i>ULTRASONIC TESTER-WELDED CONSTRUCTION</i>	1
266	<b>MC-113-2</b>	<i>NDT PRACTITIONER (ULTRASONIC TESTING) L2</i>	H-120-2	<i>ULTRASONIC TESTER-WELDED CONSTRUCTION</i>	1
267	<b>MC-113-3</b>	<i>NDT PRACTITIONER (ULTRASONIC TESTING) L3</i>	H-120-3	<i>ULTRASONIC TESTER-WELDED CONSTRUCTION</i>	1
268	<b>MC-114-1</b>	<i>NDT PRACTITIONER (MAGNETIC PARTICLE TESTING)L1</i>	H-150-1	<i>MAGNETIC PARTICLE TESTER-WELDED CONSTRUCTION</i>	1
269	<b>MC-114-2</b>	<i>NDT PRACTITIONER (MAGNETIC PARTICLE TESTING)L2</i>	H-150-2	<i>MAGNETIC PARTICLE TESTER-WELDED CONSTRUCTION</i>	1
270	<b>MC-114-3</b>	<i>NDT PRACTITIONER (MAGNETIC PARTICLE TESTING)L3</i>	H-150-3	<i>MAGNETIC PARTICLE TESTER-WELDED CONSTRUCTION</i>	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
271	<b>MC-115-2</b>	RADIOGRAPHY INTERPRETER (WELDED CONSTRUCTION)	H-041-2	RADIOGRAPHY INTERPRETER (WELDED CONSTRUCTION)	1
272	<b>MP-060-1</b>	BEAUTICIAN	N-011-1 N-010-2	BEAUTICIAN	2
273	<b>MP-060-2</b>	AESTHETICIAN	N-011-2 N-011-2	AESTHETICIAN	2
274	<b>MP-060-3</b>	AESTHETIC THERAPIST	N-011-3 N-011-3	AESTHETIC THERAPIST	2
275	<b>MP-060-4</b>	AESTHETIC ASSISTANT MANAGER	N-011-4	AESTHETIC ASSISTANT MANAGER	1
276	<b>MP-060-5</b>	AESTHETIC MANAGER	N-011-5	AESTHETIC MANAGER	1
277	<b>AF-060-1</b>	PEKERJA LADANG RUMINAN	Y-012-1	PEKERJA LADANG RUMINAN	1
278	<b>AF-060-2</b>	PEMBANTU LADANG RUMINAN	Y-012-2	PEMBANTU LADANG RUMINAN	1
279	<b>AF-060-3</b>	PENYELIA LADANG RUMINAN	Y-012-3	PENYELIA LADANG RUMINAN	1
280	<b>AF-060-4</b>	PENOLONG PENGURUS LADANG RUMINAN	Y-012-4	PENOLONG PENGURUS LADANG RUMINAN	1
281	<b>AF-060-5</b>	PENGURUS LADANG RUMINAN	Y-012-5	PENGURUS LADANG RUMINAN	1
282	<b>Z-013</b>	CULTURAL HERITAGE SPECIALIST GUIDE	HT-020-2	HERITAGE CITY GUIDE	1
283	<b>IT-051-2:2011</b>	AUDIO PRODUCTION	D-100-2	ARTIS MULTIMEDIA – AUDIO (MULTIMEDIA ARTIST - AUDIO)	1
284	<b>IT-051-3:2011</b>	AUDIO PRODUCTION	D-100-3	PEREKABENTUK MULTIMEDIA - AUDIO (MULTIMEDIA DESIGNER - AUDIO)	1
285	<b>IT-071-2:2011</b>	VIDEO/FILM PRODUCTION (SHOOTING)	D-090-2	ARTIS MULTIMEDIA – VIDEO (MULTIMEDIA ARTIST - VIDEO)	1
286	<b>IT-071-3:2011</b>	VIDEO/FILM PRODUCTION (SHOOTING)	D-090-3	PEREKABENTUK MULTIMEDIA - VIDEO (MULTIMEDIA DESIGNER - VIDEO)	1
287	<b>IT-070-4:2011</b>	CREATIVE CONTENT DEVELOPMENT	D-120-4	PENGURUS KREATIF MULTIMEDIA (MULTIMEDIA CREATIVE MANAGER )	1
288	<b>IT-070-5:2011</b>	CREATIVE CONTENT DEVELOPMENT	D-120-5	PENGARAH KREATIF MULTIMEDIA (MULTIMEDIA CREATIVE DIRECTOR )	1
289	<b>MC-091-4:2011</b>	INDUSTRIAL AUTOMATION ENGINEERING	H-176-4	PEMBANTU JURUTERA AUTOMASI PERINDUSTRIAN (ASSISTANT INDUSTRIAL AUTOMATION ENGINEER)	1

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290	MC-091-5:2011	INDUSTRIAL AUTOMATION ENGINEERING	H-176-5	JURUTERA AUTOMASI PERINDUSTRIAN (INDUSTRIAL AUTOMATION ENGINEER)	1
291	MP-080-3:2011	FOOT, HAND AND EAR REFLEXOLOGY	N-013-2	REFLEXOLOGIST	1
292	MP-081-3:2011	AROMATHERAPY	N-014-2	AROMATHERAPIST	1
293	MP-082-3:2011	MASSAGE THERAPY	N-015-2	JURU URUT (MASSEUR)	1
294	HT-050-4:2011	HOUSEKEEPING MANAGEMENT	L-150-4	PENOLONG PENGEMASAN (ASSISTANT HOUSEKEEPER )	1
295	HT-050-5:2011	HOUSEKEEPING MANAGEMENT	L-150-5	EKSEKUTIF PENGEMASAN (EXECUTIVE HOUSEKEEPER)	1
296	HT-110-3:2011	GUEST SERVICE OPERATION	L-160-2 L-160-3 L-203-1 L-203-2 L-203-3	PEMBANTU KAUNTER HADAPAN (FRONT OFFICE ASSISTANT) PENYELIA KAUNTER HADAPAN (FRONT OFFICE SUPERVISOR) CONCIERGE BELL SERVICE CONCIERGE COORDINATOR CONCIERGE SUPERVISOR	5
297	HT-012-4:2011	FOOD PREPARATION & PRODUCTION SERVICE	L-040-4	PENOLONG EKSEKUTIF PENYEDIA MAKANAN (ASSISTANT EXECUTIVE CHEF)	1
298	HT-012-5:2011	FOOD PREPARATION & PRODUCTION SERVICE	L-040-5	EKSEKUTIF PENYEDIA MAKANAN (EXECUTIVE CHEF)	1
299	HT-013-2:2011	BAKERY PRODUCTION	L-100-1 L-100-2	PEMBANTU PENYEDIA ROTI (JUNIOR BAKER)  PENYEDIA ROTI (BAKER)	2
300	HT-013-3:2011	BAKERY PRODUCTION	L-100-3	KETUA PENYEDIA ROTI (CHIEF BAKER)	1
301	HT-014-2:2011	PASTRY PRODUCTION	L-110-1 L-110-2	PEMBANTU PENYEDIA PASTRI (COMMIS PASTRY) PENYEDIA PASTRI (PASTRY COOK)	2
302	HT-014-3:2011	PASTRY PRODUCTION	L-110-3	KETUA SEKSYEN PENYEDIA PASTRI (CHEF DE PARTIE - PASTRY)	1

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303	TA-020-1:2011	APPAREL MANUFACTURING (MASS PRODUCTION)	K-040-1  K-070-1	OPERATOR MESIN JAHITAN INDUSTRI (INDUSTRIAL SEWING MACHINE OPERATOR)  OPERATOR KEMASAN PAKAIAN (APPAREL FINISHING OPERATOR)	2
304	TA-020-2:2011	APPAREL MANUFACTURING (MASS PRODUCTION)	K-040-2  K-070-2  K-060-2	OPERATOR KANAN MESIN JAHITAN INDUSTRI (INDUSTRIAL SEWING MACHINE SENIOR OPERATOR)  OPERATOR KANAN KEMASAN PAKAIAN (APPAREL FINISHING SENIOR OPERATOR)  PENYELIA PEMOTONG INDUSTRI-TEKSTIL (INDUSTRIAL CUTTING OPERATOR-CUTTING)	3
305	TA-020-3:2011	APPAREL MANUFACTURING (MASS PRODUCTION)	K-040-3  K-070-3  K-060-3	PENYELIA JAHITAN INDUSTRI (INDUSTRIAL SEWING SUPERVISOR)  PENYELIA KEMASAN PAKAIAN ( APPAREL FINISHING SUPERVISOR)  PENYELIA PEMOTONG INDUSTRI-TEKSTIL (INDUSTRIAL CUTTING SUPERVISOR-TEXTILE)	3
306	RB-080-2:2011	PALM OIL PROCESSING	Y-032-2	PEMBANTU JURUTEKNIK PENGELUARAN (KILANG MINYAK SAWIT) (ASSISTANT PRODUCTION TECHNICIAN (PALM OIL MILL))	1
307	RB-080-3:2011	PALM OIL PROCESSING	Y-032-3	JURUTEKNIK PENGELUARAN (KILANG MINYAK SAWIT) (PRODUCTION TECHNICIAN (PALM OIL MILL))	1
308	RB-080-4:2011	PALM OIL MILLING	Y-031-4	PENOLONG PENGURUS KILANG (KILANG MINYAK SAWIT) (ASSISTANT MILL MANAGER (PALM OIL MILL))	1
309	RB-080-5:2011	PALM OIL MILLING	Y-031-5	PENGURUS KILANG (KILANG MINYAK SAWIT) (MILL MANAGER (PALM OIL MILL))	1
310	CSH 3	PENYELIA KESELAMATAN DAN KESIHATAN TAPAK BINAAN	B-063-3	PENYELIA KESELAMATAN DAN KESIHATAN TAPAK BINAAN (CONSTRUCTION SITE SAFETY	1

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				AND HEALTH SUPERVISOR)	
311	CVS 3	PENYELIA AWAM DAN STRUKTUR	B-100-3	PENYELIA AWAM DAN STRUKTUR (CIVIL AND STRUCTURAL SUPERVISOR)	1
312	CVS 4	PENGURUS BINAAN AWAM DAN STRUKTUR	B-100-4	PENGURUS BINAAN AWAM DAN STRUKTUR (CIVIL AND STRUCTURAL MANAGER)	1
313	LSC 1	LANDSCAPE ATTENDANT	B-150-1	LANDSCAPE CONSTRUCTION ATTENDANT	1
314	LSC 2	LANDSCAPE COORDINATOR	B-150-2	LANDSCAPE CONSTRUCTION COORDINATOR	1
315	LSC 3	LANDSCAPE SUPERVISOR	B-150-3	LANDSCAPE CONSTRUCTION SUPERVISOR	1
316	EE-010-1	JURUTEKNIK RENDAH AUDIO VISUAL ELEKTRONIK	E-020-1	MEKANIK TEKNOLOGI ELEKTRONIK RADIO DAN VIDEO	1
317	EE-010-2	JURUTEKNIK AUDIO VISUAL ELEKTRONIK	E-020-2	MEKANIK TEKNOLOGI ELEKTRONIK RADIO DAN VIDEO	1
318	EE-010-3	JURUTEKNIK KANAN AUDIO VISUAL ELEKTRONIK	E-020-3	JURUTEKNIK TEKNOLOGI ELEKTRONIK RADIO DAN VIDEO	1
319	MC-115-2	RADIOGRAPHY INTERPRETER (WELDED CONSTRUCTION)	H-041-2	RADIOGRAPHY INTERPRETER (WELDED CONSTRUCTION)	1
320	MC-081-3	PELUKIS PELAN KANAN KEJURUTERAAN MEKANIKAL	H-051-3	PELUKIS PELAN KANAN KEJURUTERAAN MEKANIKAL	1
321	H-096-3	TOOL AND DIE MAKER-MOULD	H-091-3	TOOL AND DIE MAKER-MOULD	1
322	HT-022-2	PENYELARAS OPERASI PELANCONG KELUAR NEGERI	L-060-2	PENYELARAS OPERASI PELANCONG KELUAR NEGERI	1
323	V-020-3	SURVEY ASSISTANT (ENGINEERING)	V-010-3	BM-SURVEY FIELD ASSISTANT (ENGINEERING)	1
324	AF-030-3	JURUTEKNIK AKUAKULTUR (MARIN)	Y-023-3	JURUTEKNIK AKUAKULTUR (KRUSTASIA)	1
325	Y-051-2	JURUTEKNIK PERTANIAN RENDAH (SAYUR-SAYURAN)	Y-050-2	JURUTEKNIK PERTANIAN RENDAH (SAYUR-SAYURAN)	1
326			H-017-3	PEMESIN AM	1
327			H-170-1	PEMBANTU INDUSTRI PEMBUATAN	1
328			H-302-1	INDUSTRIAL PRODUCT DRAUGHTSMAN	1
329			Y-091-1	KELASI NELAYAN PUKAT JERUT	1
330			Y-091-2	PEMBANTU NAKHODA PUKAT JERUT	1
331			Y-091-3	NAKHODA PUKAT JERUT	1
332			Y-092-2	JURUENJIN PUKAT JERUT	1

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333			H-013-1	PEMESIN CNC	1
334	EE-320-2:2012	SINGLE PHASE ELECTRICAL INSTALLATION & MAINTENANCE	C-050-1	JURUTEKNIK ELEKTRIK RENDAH	4
			C-050-2	JURUTEKNIK ELEKTRIK	
			C-030-2	PENJAGA JENTERA ELEKTRIK VOLTAN RENDAH	
			EE-310-2	JURUELEKTRIK (PENDAWAIAN)	
335	EE-320-2:2012	THREE PHASE ELECTRICAL INSTALLATION & MAINTENANCE	C-050-3	JURUTEKNIK ELEKTRIK KANAN	3
			C-030-3	PENJAGA JENTERA ELEKTRIK VOLTAN RENDAH	
			EE-310-3	JURUELEKTRIK (PENDAWAIAN)	
336	EE-320-4:2012	LOW VOLTAGE ELECTRICAL INSTALLATION & MAINTENANCE	C-050-4	PEMBANTU JURUTERA ELEKTRIK	1
337	EE-320-5:2012	HIGH VOLTAGE ELECTRICAL INSTALLATION & MAINTENANCE	C-050-5	JURUTERA ELEKTRIK	1
338	EE-021-2:2012	ELECTRONIC EQUIPMENT AND APPLIANCE INSTALLATION & TROUBLESHOOTING	E-011-1	JURUTEKNIK RENDAH ELEKTRONIK INDUSTRI-PERALATAN	4
			E-011-2	JURUTEKNIK ELEKTRONIK INDUSTRI-PERALATAN	
			EE-010-1	JURUTEKNIK RENDAH AUDIO VISUAL ELEKTRONIK	
			EE-010-2	JURUTEKNIK AUDIO VISUAL ELEKTRONIK	
339	EE-021-3:2012	ELECTRONIC EQUIPMENT APPLIANCES TROUBLESHOOTING, REPAIRING & MAINTENANCE OPERATION	E-011-3	JURUTEKNIK KANAN ELEKTRONIK INDUSTRI-PERALATAN	2
			EE-010-3	JURUTEKNIK AUDIO VISUAL ELEKTRONIK	
340	EE-021-4:2012	ELECTRONIC PRODUCT DEVELOPMENT	E-030-4	PEMBANTU JURUTERA ELEKTRONIK INDUSTRI	1
341	EE-021-5:2012	ELECTRONIC PRODUCT DESIGN & MANAGEMENT	E-030-5	JURUTERA ELEKTRONIK INDUSTRI	1
342	EE-321-3:2012	TRANSMISSION	D-210-2	PEMBANTU JURUTEKNIK TELEKOMUNIKASI-PEMASANGAN	4

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		INFRASTRUCTURE INSTALLATION AND MAINTENANCE	D-210-3	JURUTEKNIK TELEKOMUNIKASI- PEMASANGAN	
			D-211-2	PEMBANTU JURUTEKNIK TELEKOMUNIKASI- PENYELENGGARAAN	
			D-211-3	JURUTEKNIK TELEKOMUNIKASI- PENYELENGGARAAN	
343	EE-321-4:2012	WIRED TRANSMISSION INFRASTRUCTURE MANAGEMENT	D-215-4	PENOLONG JURUTERA TELEKOMUNIKASI-OPERASI RANGKAIAN PERHUBUNGAN PELANGGAN	1
344	EE-321-5:2012	WIRED TRANSMISSION INFRASTRUCTURE MANAGEMENT	D-215-5	JURUTERA TELEKOMUNIKASI- OPERASI RANGKAIAN PERHUBUNGAN PELANGGAN	1
345	MC-041-2:2012	INDUSTRIAL QUALITY CONTROL	H-301-1	JURUTEKNIK RENDAH JAMINAN KUALITI	2
			H-301-2	JURUTEKNIK JAMINAN KUALITI	
346	MC-041-3:2012	INDUSTRIAL QUALITY ASSURANCE (MANUFACTURING)	H-301-3	JURUTEKNIK KANAN JAMINAN KUALITI	1
347	MC-041-4:2012	INDUSTRIAL QUALITY ASSURANCE	H-301-4	PENOLONG JURUTERA JAMINAN KUALITI (PEMBUATAN)	1
348	MC-041-5:2012	INDUSTRIAL QUALITY ASSURANCE	H-301-5	JURUTERA JAMINAN KUALITI (PEMBUATAN)	1
349	ME-020-2:2012	HVAC SINGLE PHASE AIR- CONDITIONING EQUIPMENT (INSTALLATION, SERVICING, TROUBLESHOOTING & REPAIR)	C-010-1	MEKANIK PENYEJUKBEKUAN DAN PENYAMANAN UDARA- DOMESTIK	2
			C-010-2	MEKANIK PENYEJUKBEKUAN DAN PENYAMANAN UDARA- DOMESTIK	
350	ME-021-2:2012	HVAC THREE PHASE AIR- CONDITIONING EQUIPMENT (SERVICING, TROUBLESHOOTING & REPAIR)	C-040-1	MEKANIK PENYEJUKBEKUAN DAN PENYAMANAN UDARA- KOMERSIAL	2
			C-040-2	MEKANIK PENYEJUKBEKUAN DAN PENYAMANAN UDARA- KOMERSIAL	
351	ME-020-3:2012	HVAC INSTALLATION AND MAINTENANCE SUPERVISION	C-010-3	JURUTEKNIK PENYEJUKBEKUAN DAN PENYAMANAN UDARA- DOMESTIK	2
			C-040-3	JURUTEKNIK PENYEJUKBEKUAN DAN PENYAMANAN UDARA- KOMERSIAL	

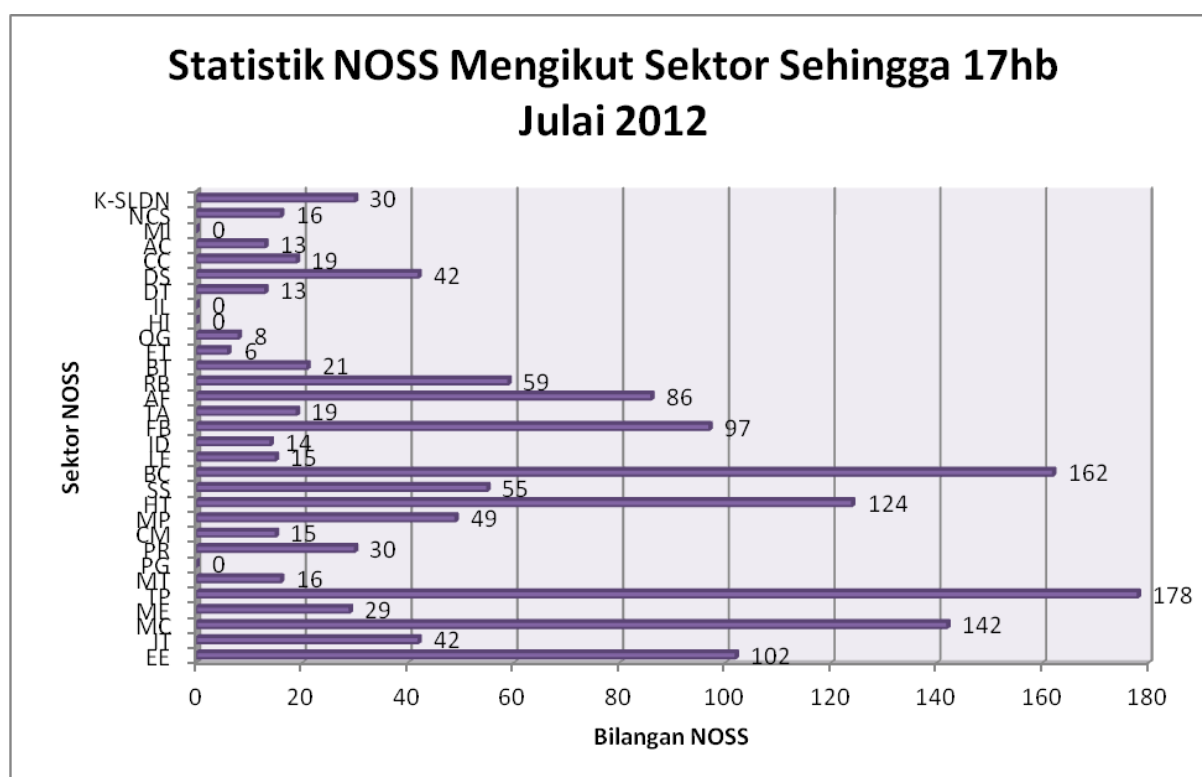
NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
352	<b>ME-020-4:2012</b>	HVAC DESIGN, INSTALLATION AND MAINTENANCE MANAGEMENT	C-040-4	PEMBANTU JURUTERA PENYAMANAN UDARA, PENYEJUKBEKUAN DAN PENGALIHAN UDARA MEKANIKAL	1
353	<b>ME-020-5:2012</b>	HVAC DESIGN, INSTALLATION AND MAINTENANCE MANAGEMENT	C-040-5	JURUTERA PENYAMANAN UDARA, PENYEJUKBEKUAN DAN PENGALIHAN UDARA MEKANIKAL	1
354	<b>TP-303-3:2012</b>	NATURAL GAS VEHICLE (NGV) INSTALLATION & MAINTENANCE	P-116-2	PEMASANG SISTEM GAS ASLI KENDERAAN	1
355	<b>TP-118-1:2012</b>	MOTORCYCLE SERVICING & MAINTENANCE	P-118-1	JURUTEKNIK MOTOSIKAL	1
356	<b>TP-118-2:2012</b>	MOTORCYCLE SERVICING & MAINTENANCE	P-118-2	JURUTEKNIK MOTOSIKAL KANAN	1
357	<b>TP-118-3:2012</b>	MOTORCYCLE SERVICING & MAINTENANCE	P-118-3	PENYELIA JURUTEKNIK MOTOSIKAL	1
358	<b>TP-306-1:2012</b>	AUTOMOTIVE SPRAY PAINTING	P-050-1	PENYEMBUR CAT AUTOMOTIF	1
359	<b>TP-306-2:2012</b>	AUTOMOTIVE SPRAY PAINTING	P-050-2	PENYEMBUR CAT KANAN AUTOMOTIF	1
360	<b>TP-306-3:2012</b>	AUTOMOTIVE SPRAY PAINTING	P-050-3	JURUTEKNIK PENYEMBURAN CAT AUTOMOTIF	1
361	<b>TP-307-2:2012</b>	COMMERCIAL VEHICLE SERVICING AND MAINTENANCE	P-030-1	MEKANIK KENDERAAN PERDAGANGAN	2
			P-030-2	MEKANIK KENDERAAN PERDAGANGAN	
362	<b>TP-307-3:2012</b>	COMMERCIAL VEHICLE SERVICING AND MAINTENANCE	P-030-3	JURUTEKNIK KENDERAAN PERDAGANGAN	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
363	TP-308-2:2012	LIGHT VEHICLE WHEEL SERVICING	P-130-2	JURUTEKNIK AUTOMOTIF SERVIS TAYAR	1
364	TP-309-2:2012	HEAVY VEHICLE WHEEL SERVICING			
365			P-117-3	PENYELIA SERVIS TAYAR	1
366	PR-023-2:2012	OFFSET LITHOGRAPHIC PRODUCTION	F-022-1	JURUCETAK LITHOGRAPHIC	2
			F-022-2	JURUCETAK LITHOGRAPHIC KANAN	
367	PR-023-3:2012	OFFSET LITHOGRAPHIC PRODUCTION	F-022-3	PENYELIA PERCETAKAN LITHOGRAPHY	1
368	PR-024-2:2012	DESKTOP PUBLISHING	F-031-1	ARTIS DTP	2
			F-031-2	PEREKA GRAPHIC	
369	PR-024-3:2012	GRAPHIC DESIGN	F-031-3	EKSEKUTIF REKAAN GRAFIK	1
370	HT-400-3	RECREATIONAL SCUBA DIVE GUIDE	U-010-3	PEMANDU SELAM SKUBA REKREASI	1
371	HT-023-3:2012	TOURIST GUIDE (CITY GUIDE )	HT-023-3	TOURIST GUIDE	1
372	PNS 1	PEMASANG PERPAIPAN & PERKUMBAHAN	B-020-1	PLUMBER	1
373	PNS 2	PEMASANG PERPAIPAN & PERKUMBAHAN	B-020-2	PLUMBER	1

NO.	KOD BARU (New Code)	TAJUK SKPK (Job Title)	KOD LAMA (Previous Code)	TAJUK SKPK (Job Title)	BILANGAN SKPK DIKAJISEMULA (No.of Reviewed NOSS)
374	PNS 3	PEMASANG PERPAIPAN & PERKUMBAHAN	B-020-3	WATERWORK TECHNICIAN	1
375	MC-030-4	ASSISTANT PLASTIC INJECTION MOULD TECHNOLOGIST	H-094-4	PLASTIC MOULD DESIGNER	1
376	MC-030-5	PLASTIC INJECTION MOULD TECHNOLOGIST	H-095-5	TOOLING ENGINEER	1
377	MC-031-5	METAL STAMPING DIE TECHNOLOGIST			
378	MC-031-4	ASSISTANT METAL STAMPING DIE TECHNOLOGIST	H-093-4	WORK PRESS DIE DESIGNER	2
			H-095-4	ASSISTANT TOOLING ENGINEER	
379	TP-300-4	AUTOMOTIVE-AFTER SALES SERVICE EXECUTIVE	P-080-4	AUTOMOTIVE EXECUTIVE	1
380	TP-300-5	AUTOMOTIVE-AFTER SALES SERVICE MANAGER	P-080-5	AUTOMOTIVE MANAGER	1
381	MP-061-3:2012	SPA THERAPY	N-030-1	JUNIOR SPA THERAPIST	3
			N-030-2	SPA THERAPIST	
			N-030-3	SPA SUPERVISOR	
382	FB-074-04:2012	COMPENSATION AND BENEFITS MANAGEMENT	FB-072-4	SALARY ADMIN EXECUTIVE	1
Jumlah					461

## Statistik SKPK / NOSS Statistic

<b>BILANGAN NOSS SEHINGGA 2012</b>	<b>BILANGAN NOSS AKTIF (NOSS + NCS + K-SLDN)</b>	<b>BILANGAN NOSS YANG DIKAJISEMULA (KOD-KOD NOSS LAMA YANG TIDAK LAGI AKTIF)</b>
1,863	1,402	461



### Statistik SKPK Mengikut Sektor & Tahap/ NOSS Statistic According to Sector & Level

BIL	KOD	BAHAGIAN A: NOSS	T1	T2	T3	T4	T5	NCS	JUMLAH
1	EE	ELEKTRIK & ELEKTRONIK, TELEKOMUNIKASI & PENYIARAN ELECTRICAL & ELECTRONIC, TELECOMMUNICATION & BROADCASTING INDUSTRY	5	30	34	16	17	0	102
2	IT	TEKNOLOGI MAKLUMAT & KOMUNIKASI INFORMATION & COMMUNICATION TECHNOLOGY	0	10	10	12	10	0	42
3	MC	MESIN & PERALATAN MACHINERY & EQUIPMENT	25	41	46	15	15	0	142
4	ME	PENYELENGGARAAN MEKANIKAL & ELEKTRIK MECHANICAL & ELECTRICAL SERVICE AND MAINTENANCE	7	10	8	2	2	0	29
5	TP	PENGANGKUTAN TRANSPORTATION	35	50	60	16	17	0	178
6	MT	BAHAN MATERIALS	4	4	4	2	2	0	16
7	PG	PEMBUNGKUSAN PACKAGING	0	0	0	0	0	0	0
8	PR	PERCETAKAN PRINTING	5	10	11	2	2	0	30
9	CM	BAHAN KIMIA CHEMICAL	3	4	4	2	2	0	15
10	MP	PERUBATAN & FARMASEUTIKAL MEDICAL & PHARMACEUTICAL	9	10	20	5	5	0	49
11	HT	HOSPITALITI & PELANCONGAN HOSPITALITY & TOURISM	21	35	39	15	14	0	124
12	SS	PERUSAHAAN KECIL & CENDERAMATA SOUVENIR & SMALL ENTERPRISE	15	17	17	4	2	0	55
13	BC	BANGUNAN & PEMBINAAN BUILDING & CONSTRUCTION	48	62	41	7	4	0	162
14	LE	LANDSKAP & PERSEKITARAN LANDSCAPING & ENVIRONMENT	2	4	4	2	3	0	15
15	ID	HIASAN DALAMAN INTERIOR DÉCOR	4	5	5	0	0	0	14
16	FB	PENGURUSAN BISNES BUSINESS MANAGEMENT	9	34	38	8	8	0	97
17	TA	TEKSTIL & PAKAIAN TEXTILE & APPAREL	5	6	6	1	1	0	19
18	AF	PERTANIAN & ASAS TANI AGRICULTURE & AGROBASED	10	24	25	14	13	0	86
19	RB	SUMBER ASAS RESOURCE BASED	14	17	18	5	5	0	59
20	BT	BIOTEKNOLOGI BIOTECHNOLOGY	2	6	7	3	3	0	21
21	ET	PENDIDIKAN & PERKHIDMATAN LATIHAN EDUCATION & TRAINING SERVICES	0	0	2	2	2	0	6
22	OG	MINYAK & GAS OIL AND GAS	1	2	5	0	0	0	8
23	HI	INDUSTRI HALAL HALAL INDUSTRY	0	0	0	0	0	0	0
24	IL	INDUSTRI PERKHIDMATAN LOGISTIK BERSEPADU INTEGRATED LOGISTIC SERVICES INDUSTRY	0	0	0	0	0	0	0
25	DT	PERNIAGAAN SECARA DISTRIBUTIF DISTRIBUTIVE TRADE	2	3	4	2	2	0	13
26	DS	PERTAHANAN & PERKHIDMATAN KESELAMATAN DEFENSE & SECURITY SERVICES	5	14	13	5	5	0	42
27	CC	PENJAGAAN & PERKHIDMATAN KOMUNITI CARE AND COMMUNITY SERVICES	2	7	6	2	2	0	19
28	AC	SENI & KEBUDAYAAN ART & CULTURE	4	4	5	0	0	0	13
29	MI	INDUSTRI PERLOMBONGAN MINING INDUSTRY	0	0	0	0	0	0	0
30	NCS	BAHAGIAN B: NCS	0	0	0	0	0	16	16
31	K-SLDN	BAHAGIAN C: K-SLDN	0	2	28	0	0	0	30
JUMLAH MENGIKUT TAHAP			237	411	460	142	136	16	1356
JUMLAH KESELURUHAN NOSS + NCS AKTIF + K-SLDN									1402
BILANGAN NOSS JUMUD/ TIDAK AKTIF									461
JUMLAH KESELURUHAN NOSS + NCS									1863

Kemaskini 17hb Julai 2012

Bahagian NOSS  
Jabatan Pembangunan Kemahiran  
Kementerian Sumber Manusia, Malaysia  
(NOSS Division  
Dept of Skills Development  
Ministry of Human Resource, Malaysia)