

# **MALAYSIA 2011**

## **PERANGKAAN PERKHIDMATAN *SERVICES STATISTICS***

### **PERKHIDMATAN MAKLUMAT DAN KOMUNIKASI *INFORMATION AND COMMUNICATION SERVICES***



**JABATAN PERANGKAAN MALAYSIA  
DEPARTMENT OF STATISTICS, MALAYSIA  
PUTRAJAYA**



## KATA PENGANTAR

Laporan ini memuatkan perangkaan bagi **Perkhidmatan Maklumat dan Komunikasi** yang merangkumi aktiviti **perkhidmatan penerbitan; wayang gambar, video dan program televisyen; telekomunikasi; komputer dan perkhidmatan maklumat**. Maklumat yang disediakan adalah berdasarkan Banci Ekonomi yang dijalankan pada tahun 2011 bagi tahun rujukan 2010.

Data yang berkaitan dengan nilai output kasar, input perantaraan, nilai ditambah, bilangan pekerja, gaji & upah dibayar dan nilai harta tetap diterbitkan dalam laporan ini. Data tersebut digunakan bagi tujuan membuat perancangan pembangunan dan penggubalan dasar serta bagi pengunjuran dan analisis ekonomi oleh kerajaan dan penyelidik.

Laporan ini mengandungi tiga bahagian. Penemuan daripada hasil bancian dibentangkan di bahagian pertama laporan ini. Aspek teknikal seperti objektif, skop dan liputan serta konsep dan definisi yang digunakan dalam banci ini dimuatkan di bahagian kedua laporan. Jadual perangkaan terperinci dipaparkan di bahagian ketiga bagi membolehkan pengguna membuat analisis.

Saya ingin merakamkan setinggi-tinggi penghargaan dan terima kasih kepada semua pihak yang terlibat dalam menyumbang kepada laporan ini. Sebarang ulasan dan cadangan daripada para pengguna untuk menambah baik laporan ini pada masa hadapan amatlah dihargai.

**DR. HAJI ABDUL RAHMAN BIN HASAN**

Ketua Perangkawan

Malaysia

**Jun 2012**

## **PREFACE**

*This report presents statistics on **Information and Communication Services** which encompasses **publishing; motion picture, video and television programme; telecommunications; computer and information service**. The information provided here is gathered through the Economic Census conducted in 2011 for reference year 2010.*

*Data pertaining to value of gross output, intermediate input, value added, number of persons engaged, salaries & wages paid and value of fixed assets are published in this report. These data are used for planning and policy formulation as well as for economic projection and analysis by the government and researchers.*

*This report consists of three parts. Summary findings of the census is highlighted in the first part of the report. The second part focuses on the technical aspects including the objectives, scope and coverage as well as relevant concepts and definitions used in the census. Detailed statistical tables are included in the third part of the report to facilitate analysis by users.*

*I would like to express my appreciation to all parties concerned who have contributed towards this report. Comments and suggestions from users for improvement in future reports are greatly appreciated.*

**DR. HAJI ABDUL RAHMAN BIN HASAN**

*Chief Statistician*

*Malaysia*

**June 2012**

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RINGKASAN  
PENEMUAN

*SUMMARY  
FINDINGS*



**PERANGKAAAN PERKHIDMATAN  
PERKHIDMATAN MAKLUMAT DAN KOMUNIKASI, 2010**

**I. PENGENALAN**

Laporan ini membentangkan perangkaan perkhidmatan maklumat dan komunikasi yang terdiri daripada aktiviti penerbitan; wayang gambar, video dan televisyen; perkhidmatan telekomunikasi, komputer dan perkhidmatan maklumat. Data ini merujuk kepada data Banci Ekonomi tahun rujukan 2010. Data untuk perkhidmatan telekomunikasi, komputer dan perkhidmatan maklumat merupakan data yang telah dikumpul bermula dari tahun 2000. Manakala data bagi perkhidmatan penerbitan bermula dari tahun 2009, sementara data bagi wayang gambar, video dan program televisyen baru pertama kali diliputi pada tahun 2010.

**II. PRESTASI PERKHIDMATAN MAKLUMAT DAN KOMUNIKASI**

Berdasarkan keputusan banci, sejumlah 2.379 pertubuhan beroperasi di dalam perkhidmatan maklumat dan komunikasi pada tahun 2010. Nilai output kasar dan nilai ditambah yang dihasilkan oleh pertubuhan ini masing-masing berjumlah RM81.9 bilion dan RM42.1 bilion. Jumlah pekerja di dalam perkhidmatan ini adalah seramai 131,127 orang pekerja, manakala jumlah gaji & upah yang dibayar adalah RM6.4 bilion. Sementara itu, nilai harta tetap perkhidmatan ini adalah RM30.0 bilion pada tahun 2010.

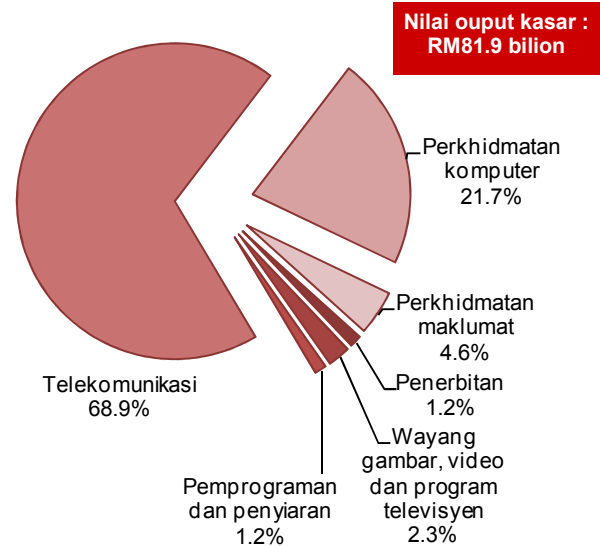
**Jadual 1.1 : Perangkaan utama perkhidmatan maklumat dan komunikasi, 2010**

Jenis perkhidmatan	Bilangan pertubuhan	Nilai output kasar (RM juta)	Nilai ditambah (RM juta)	Jumlah pekerja	Gaji & upah yang dibayar (RM juta)	Nilai harta tetap (RM juta)
<b>Jumlah</b>	<b>2,379</b>	<b>81,882</b>	<b>42,096</b>	<b>131,127</b>	<b>6,393</b>	<b>30,038</b>
Penerbitan	128	1,018	503	4,671	165	233
Wayang gambar, video dan program televisyen	323	1,897	1,056	4,956	118	427
Pemrograman dan penyiaran	15	995	525	2,290	141	289
Telekomunikasi	342	56,442	28,147	44,458	2,369	26,323
Perkhidmatan komputer	1,366	17,785	9,363	61,468	3,021	2,165
Perkhidmatan maklumat	205	3,745	2,502	13,284	579	601

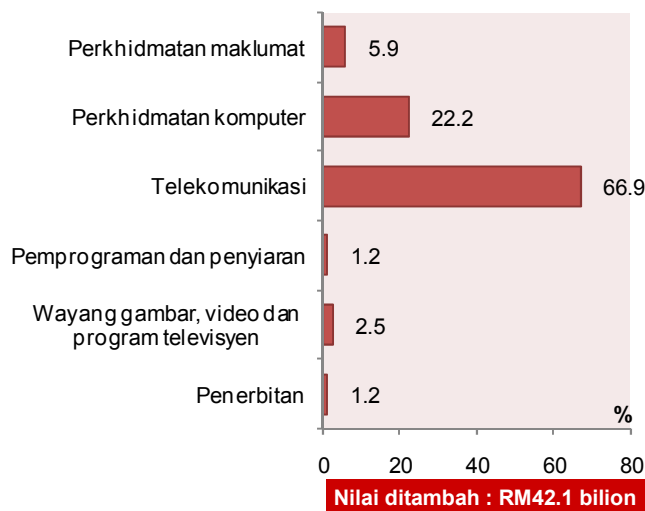
Dari segi **bilangan pertubuhan**, perkhidmatan komputer merupakan bilangan pertubuhan yang tertinggi iaitu 1,366 pertubuhan (57.4 peratus), manakala baki 42.6 peratus adalah jenis perkhidmatan yang lain seperti yang ditunjukkan di dalam Jadual 1.1.

**Carta 1.1 : Peratus taburan nilai output kasar mengikut jenis, 2010**

Nilai output kasar bagi perkhidmatan maklumat dan komunikasi adalah RM81.9 bilion. Penyumbang utama bagi nilai ini adalah perkhidmatan telekomunikasi dengan nilai output kasar sebanyak RM56.4 bilion (68.9 peratus). Ini diikuti pula oleh perkhidmatan komputer, RM17.8 bilion (21.7 peratus) dan perkhidmatan maklumat, RM3.7 bilion (4.6 peratus) (Carta 1.1).



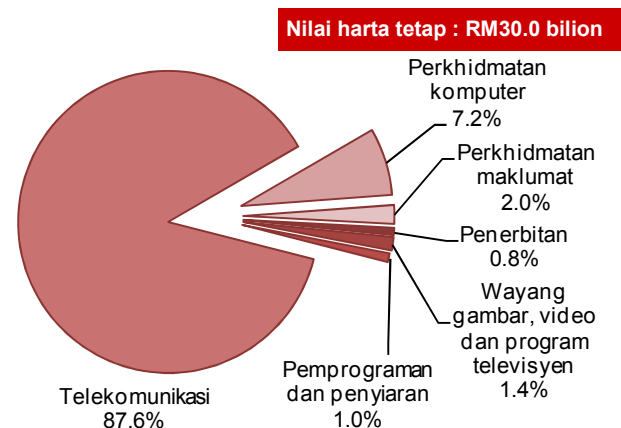
**Carta 1.2: Peratus taburan nilai ditambah mengikut jenis, 2010**



Situasi yang sama juga wujud bagi nilai ditambah, yang mana pada tahun 2010 nilai ditambah adalah direkodkan sebanyak RM42.1 bilion. Perkhidmatan telekomunikasi merupakan penyumbang utama iaitu sebanyak RM28.1 bilion (66.9 peratus). Ini diikuti pula oleh perkhidmatan komputer, RM9.4 bilion (22.2 peratus) dan perkhidmatan maklumat, RM2.5 bilion (5.9 peratus) (Carta 1.2).

**Carta 1.3: Peratus taburan nilai harta tetap mengikut jenis, 2010**

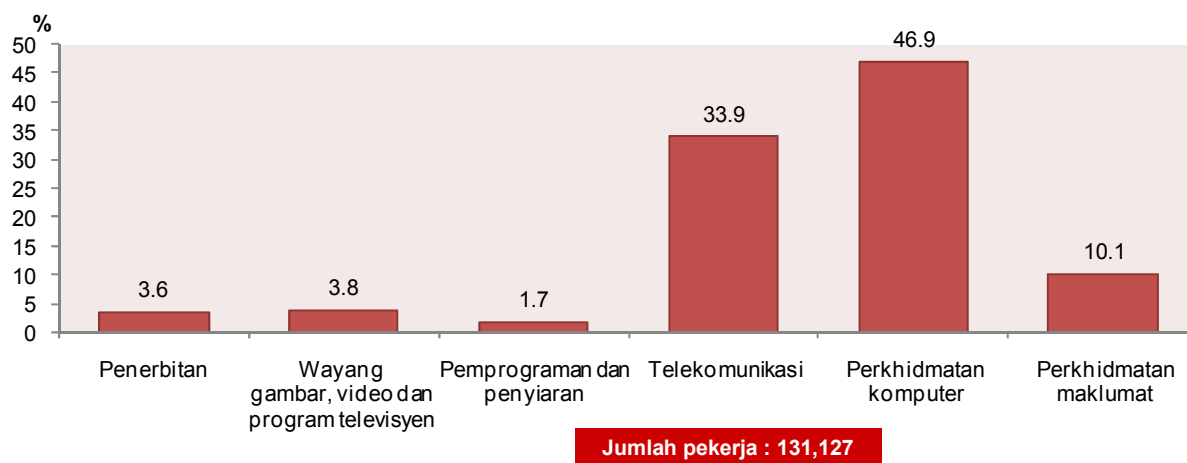
Perkhidmatan telekomunikasi juga merupakan penyumbang utama bagi nilai harta tetap iaitu RM26.3 bilion (87.6 peratus), dan diikuti oleh perkhidmatan komputer, RM2.2 bilion (7.2 peratus) (Carta 1.3).





**Jumlah bilangan pekerja** dalam perkhidmatan maklumat dan komunikasi adalah seramai 131,127 orang. Perkhidmatan komputer merupakan penyumbang tertinggi bagi pekerja iaitu seramai, 61,468 orang (46.9 peratus), diikuti oleh perkhidmatan telekomunikasi, 44,458 orang (33.9 peratus) dan perkhidmatan maklumat, 13,284 orang (10.1 peratus) (Carta 1.4).

**Carta 1.4 : Peratus taburan bilangan pekerja mengikut jenis, 2010**



Jadual 1.2 menunjukkan jumlah pekerja sepenuh masa adalah seramai 128,986 orang atau 98.4 peratus. Daripada jumlah tersebut, pekerja pengurusan, professional dan eksekutif merupakan pekerja yang paling ramai iaitu seramai 61,545 orang atau 46.9 peratus. Dari segi jantina pula, pekerja lelaki di dalam perkhidmatan maklumat dan komunikasi adalah paling ramai iaitu 62.3 peratus berbanding pekerja perempuan, 37.7 peratus.

**Jadual 1.2 : Bilangan pekerja mengikut kategori pekerja, 2010**

Kategori pekerja	Jumlah pekerja					
	Jumlah	%	Lelaki	%	Perempuan	%
<b>Jumlah</b>	<b>131,127</b>	<b>100</b>	<b>81,665</b>	<b>62.3</b>	<b>49,462</b>	<b>37.7</b>
Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji	30	-	28	93.3	2	6.7
Jumlah pekerja sepenuh masa	128,986	98.4	80,279	62.2	48,707	37.8
Pengurusan, professional dan eksekutif	61,545	46.9	40,367	65.6	21,178	34.4
Teknikal dan penyeliaan	35,542	27.1	25,825	72.7	9,717	27.3
Pekeranian dan pekerja yang berkaitan	22,637	17.3	8,984	39.7	13,653	60.3
Pekerja am	9,262	7.1	5,103	55.1	4,159	44.9
Pekerja bergaji (sambilan)	2,111	1.6	1,358	64.3	753	35.7

Jumlah **gaji & upah yang dibayar** adalah sebanyak RM6.4 bilion, yang mana perkhidmatan komputer merupakan perkhidmatan tertinggi yang membayar gaji & upah kepada pekerja iaitu sebanyak RM3.0 bilion atau 47.3 peratus. Ini selari dengan bilangan pekerja bergaji, yang mana perkhidmatan komputer merupakan perkhidmatan yang mempunyai ramai pekerja berbanding perkhidmatan lain iaitu seramai 61,452 orang atau 46.9 peratus. Pekerja dalam perkhidmatan pemrograman dan penyiaran menerima purata gaji tahunan tertinggi, RM61,572 seperti di dalam Jadual 1.3.

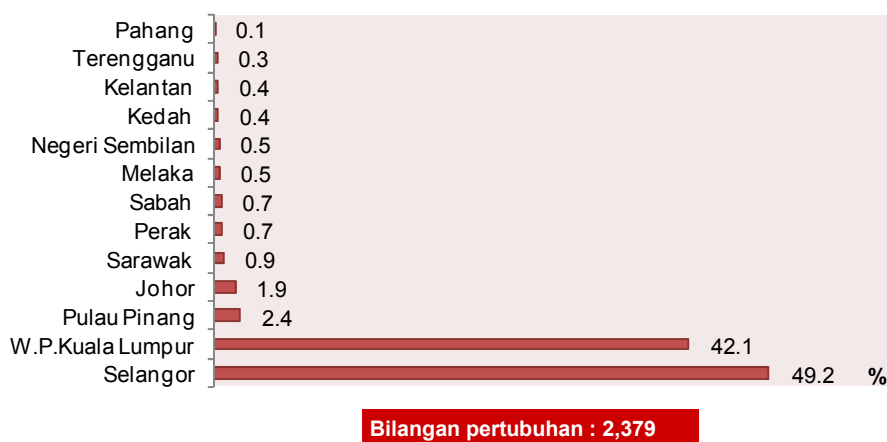
**Jadual 1.3 : Gaji & upah yang dibayar dan purata gaji tahunan per pekerja dalam perkhidmatan maklumat dan komunikasi, 2010**

Jenis	Bilangan pekerja	%	Pekerja bergaji	%	Gaji & upah (RM'000)	%	Purata gaji tahunan per pekerja (RM)
<b>Jumlah</b>	<b>131,127</b>	<b>100.0</b>	<b>131,097</b>	<b>100.0</b>	<b>6,393</b>	<b>100.0</b>	<b>48,765</b>
Penerbitan	4,671	3.6	4,671	3.6	165	2.6	35,324
Wayang gambar, video dan program televisyen	4,956	3.8	4,948	3.8	118	1.8	23,848
Pemrograman dan penyiaran	2,290	1.7	2,290	1.7	141	2.2	61,572
Telekomunikasi	44,458	33.9	44,458	33.9	2,369	37.1	53,286
Komputer	61,468	46.9	61,452	46.9	3,021	47.3	49,160
Perkhidmatan maklumat	13,284	10.1	13,278	10.1	579	9.1	43,606

### III. PRESTASI MENGIKUT NEGERI

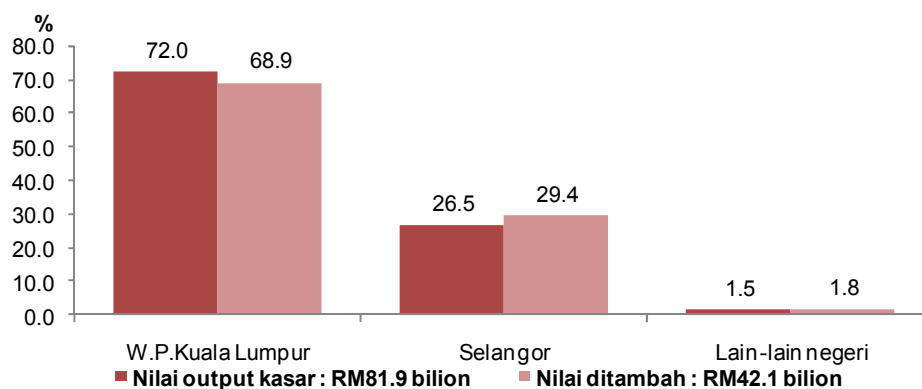
Dari segi **bilangan pertubuhan** pula, Selangor merupakan penyumbang tertinggi di dalam perkhidmatan maklumat dan komunikasi dengan jumlah pertubuhan sebanyak 1,171 atau 49.2 peratus. Ini diikuti oleh W.P. Kuala Lumpur dan Pulau Pinang dengan jumlah masing-masing sebanyak 1,001 pertubuhan atau 42.1 peratus dan 57 pertubuhan atau 2.4 peratus (Carta 2.1).

**Carta 2.1 : Taburan peratus bilangan pertubuhan mengikut negeri, 2010**



W.P. Kuala Lumpur merekodkan nilai output kasar dan nilai ditambah tertinggi masing - masing iaitu RM59.0 bilion dan RM29.0 bilion. Ini diikuti pula oleh negeri Selangor dengan nilai output kasar, RM21.7 bilion dan nilai ditambah, RM12.4 bilion (Carta 2.2).

**Carta 2.2 : Taburan peratus nilai output kasar dan nilai ditambah mengikut negeri, 2010**



**Nota:**

Lain - lain negeri merujuk kepada negeri Johor, Kedah, Kelantan, Melaka, Negeri Sembilan, Pahang, Terengganu, Perak, Pulau Pinang, Sabah dan Sarawak.

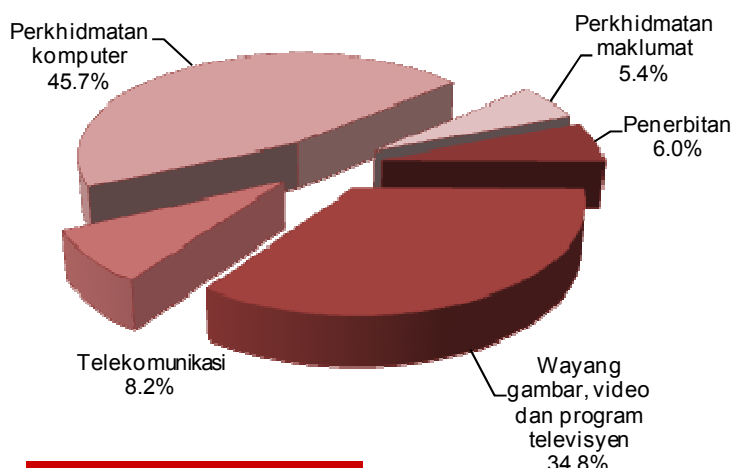
**IV. PRESTASI PERTUBUHAN MILIKAN WANITA**

Sebanyak 184 pertubuhan (7.7 peratus) bagi perkhidmatan maklumat dan komunikasi merupakan pertubuhan milikan wanita (Jadual 3.1).

**Jadual 3.1 : Taburan peratus pertubuhan milikan wanita, 2010**

Jenis	Bilangan pertubuhan		%
	Keseluruhan	Pertubuhan milikan wanita	
<b>Jumlah</b>	<b>2,379</b>	<b>184</b>	<b>7.7</b>
Penerbitan	128	11	8.6
Wayang gambar, video dan program televisyen	323	64	19.8
Pemrograman dan penyiaran	15	-	-
Telekomunikasi	342	15	4.4
Komputer	1,366	84	6.1
Perkhidmatan maklumat	205	10	4.9

**Carta 3.1 : Taburan peratus pertubuhan milikan wanita mengikut jenis, 2010**



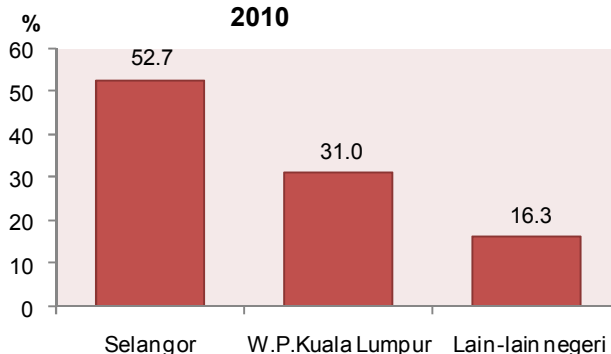
**Bilangan pertubuhan : 184**

Didapati bahawa, negeri Selangor merekodkan peratus tertinggi iaitu 52.7 peratus, diikuti oleh W.P.Kuala Lumpur, 31.0 peratus dan negeri-negeri lain sebanyak 16.3 peratus seperti yang ditunjukkan dalam Carta 3.2.

**Nota:**

Lain - lain negeri merujuk kepada negeri Johor, Kedah, Kelantan, Melaka, Negeri Sembilan, Terengganu, Perak, Pulau Pinang, Sabah dan Sarawak.

**Carta 3.2 : Taburan peratus pertubuhan milikan wanita mengikut negeri, 2010**



**Bilangan pertubuhan : 184**

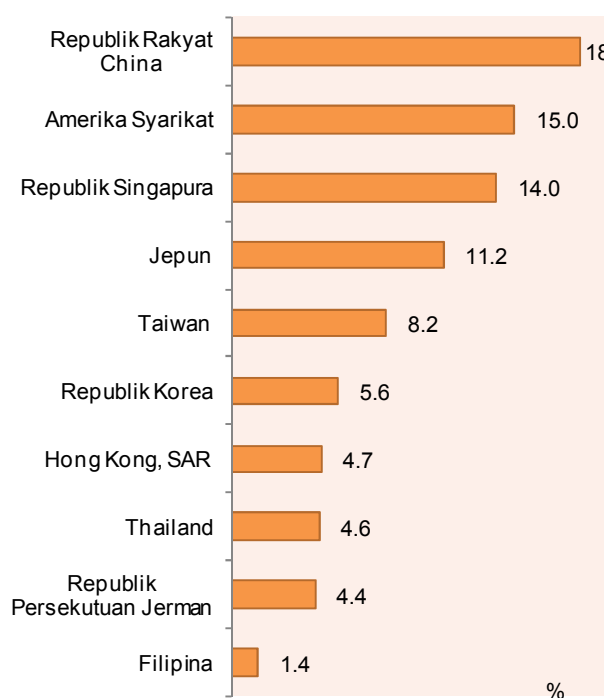
**III. PENUNJUK ICT**

Penunjuk - penunjuk ke atas ICT di dalam penerbitan ini diperolehi daripada sumber sekunder. Data kadar penembusan dan penggunaan telefon diperolehi daripada Suruhanjaya Komunikasi dan Multimedia Malaysia (SKMM) dan *International Telecommunication United* (ITU). Data perdagangan luar negeri bagi barangan ICT dan penggunaan ICT bagi isi rumah adalah berdasarkan penyiasatan yang dijalankan oleh Jabatan Perangkaan Malaysia.

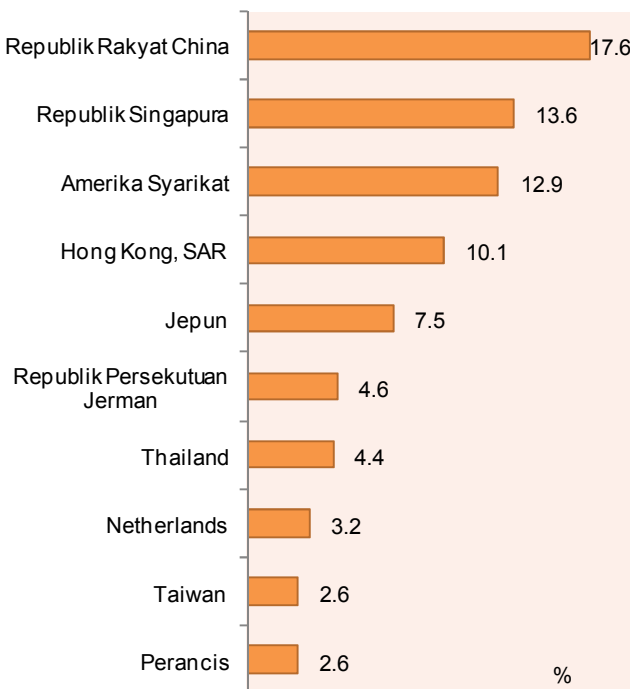
**A. Perdagangan luar negeri bagi barangan ICT**

Nilai import dan eksport bagi barangan elektrik dan elektronik masing-masing adalah sebanyak RM177.9 bilion dan RM236.5 bilion pada tahun 2010. Carta 4.1 menunjukkan 18.4 peratus barangan elektrik dan elektronik telah diimport dari Republik Rakyat China dan diikuti oleh Amerika Syarikat, 15.0 peratus. Republik Rakyat China juga merupakan penerima eksport barangan elektrik dan elektronik Malaysia yang tertinggi iaitu 17.6 peratus dan diikuti oleh Republik Singapura, 13.6 peratus (Carta 4.2).

**Carta 4.1 : Import barangan elektrik dan elektronik Malaysia, 2011**



**Carta 4.2 : Eksport barangan elektrik dan elektronik Malaysia, 2011**



Jadual 4.1 menunjukkan bahawa jentera, radas & perkakas elektrik, t.t.t.I dan alat ganti menyumbang 71.7 peratus kepada import barangan elektrik dan elektronik dan 59.6 peratus kepada eksport barangan elektrik dan elektronik. Ini diikuti oleh barangan mesin pejabat & kelengkapan pemprosesan data automatik dengan 15.1 peratus kepada import barangan elektrik dan elektronik dan 22.8 peratus kepada eksport barangan elektrik dan elektronik.

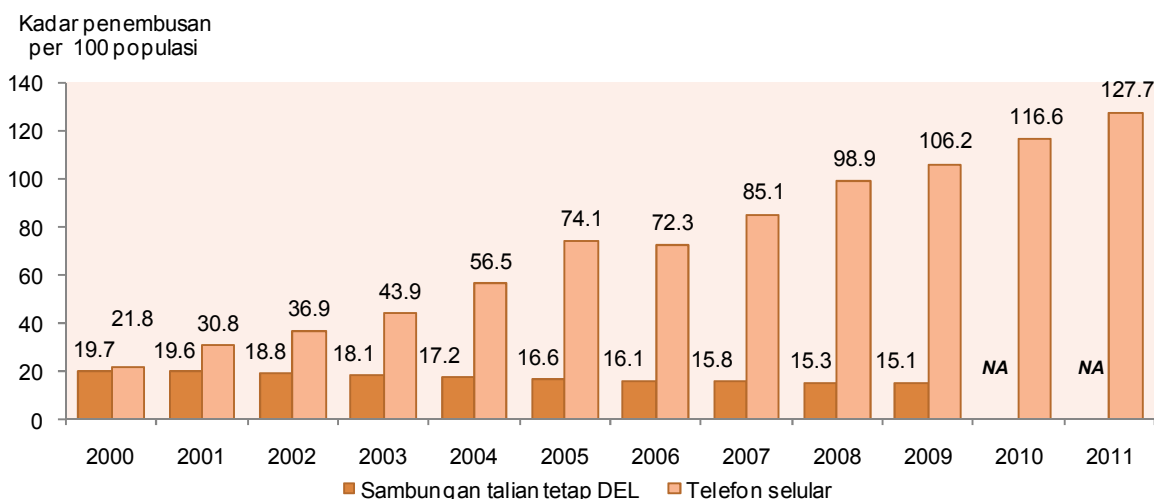
**Jadual 4.1: Import and eksport barangan elektrik dan elektronik, 2011**

Barangan elektrik dan elektronik	Import		Eksport	
	RM juta	%	RM juta	%
Mesin pejabat & kelengkapan pemprosesan data automatik	26,774	15.1	54,055	22.8
Perkakas & kelengkapan telekomunikasi dan rakaman suara & penghasilan semula	23,504	13.2	41,600	17.6
Jentera, radas & perkakas elektrik, t.t.t.I dan alat ganti	127,612	71.7	140,882	59.6
<b>Jumlah</b>	<b>177,889</b>	<b>100.0</b>	<b>236,537</b>	<b>100.0</b>

## B. Kadar penembusan bagi sambungan talian tetap dan telefon selular

Kadar penembusan bagi sambungan talian tetap DEL menurun dari 19.7 per 100 populasi pada tahun 2000 kepada 15.1 per 100 populasi pada 2009. Manakala bagi tahun 2010 dan 2011, tiada data direkodkan bagi sambungan talian tetap DEL. Sebaliknya kadar penembusan bagi telefon selular telah melonjak daripada 21.8 per 100 populasi pada tahun 2000 kepada 127.7 per 100 populasi pada tahun 2011 (Carta 5).

**Carta 5 : Kadar penembusan pelanggan bagi sambungan talian tetap dan telefon selular per 100 populasi, Malaysia, 2000 - 2010**



Sumber : Suruhanjaya Komunikasi dan Multimedia Malaysia (SKMM)

Jumlah pelanggan telefon selular pada tahun 2011 adalah seramai 36.7 juta pelanggan, yang mana pelanggan prabayar adalah seramai 29.6 juta pelanggan dan 7.1 juta pelanggan adalah pelanggan pasca bayar. Jadual 5 juga turut menunjukkan bilangan perkhidmatan pesanan pendek (SMS) telah menurun 4.1 peratus kepada 93.1 bilion pada tahun 2011 berbanding 97.1 bilion pada tahun 2010. Walau bagaimanapun, jumlah langganan perkhidmatan jalur lebar meningkat sebanyak 20.4 peratus daripada 4.7 bilion pada tahun 2010 kepada 5.7 bilion pada tahun 2011 (Jadual 5).

**Jadual 5 : Bilangan langganan bagi telefon selular, perkhidmatan pesanan pendek dan jalur lebar, 2010 - 2011**

Jenis perkhidmatan	Tahun		Peratusan perubahan (%)
	2010	2011	
<b>1. Telefon selular</b>			
- Pasca bayar (juta)	6.7	7.1	6.0
- Prabayar (juta)	26.4	29.6	12.1
Bilangan pelanggan (juta)	33.1	36.7	10.9
<b>2. Perkhidmatan pesanan pendek (SMS)</b>			
Perkhidmatan pesanan pendek (SMS) (juta)	97,141.2	93,119.7	(4.1)
<b>3. Jalur lebar</b>			
Bilangan langganan jalur lebar (ribu)	4,722.2	5,686.9	20.4

Sumber : Suruhanjaya Komunikasi dan Multimedia Malaysia (SKMM)

**SERVICES STATISTICS**  
**INFORMATION AND COMMUNICATION SERVICES, 2010**

**I. INTRODUCTION**

*This report presents statistics on information and communication services comprising publishing activities; motion picture, video and television; telecommunications services; computer services and information services. These data were compiled from the Economic Census for reference year 2010. Data on telecommunication, computer and information services are available since 2000 and publishing activities since 2009, while data on motion picture, video and television are compiled for the first time.*

**II. PERFORMANCE OF INFORMATION AND COMMUNICATION SERVICES**

*Based on the census results, a total of 2,379 establishments were operating in the information and communication services in 2010. The value of gross output and value added generated by these establishments amounted to RM81.9 billion and RM42.1 billion respectively. These establishments engaged 131,127 employees with total salaries & wages paid, RM6.4 billion. Meanwhile, the value of fixed assets owned by these establishments was RM30.0 billion.*

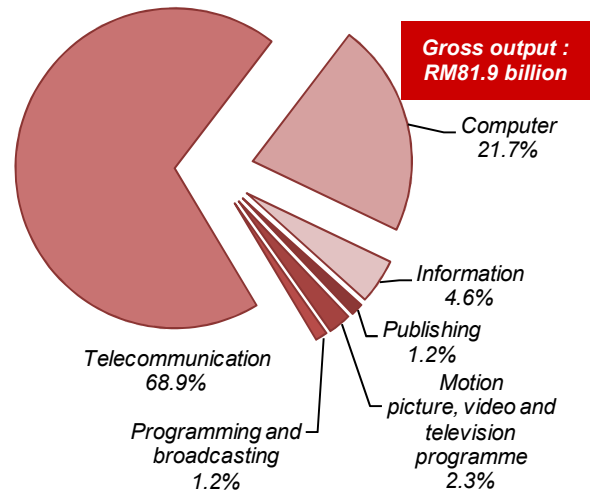
**Table 1.1 : Principal statistics of information and communication services, 2010**

Type of services	Number of establishments	Value of gross output (RM million)	Value added (RM million)	Number of persons engaged	Salaries & wages paid (RM million)	Value of fixed assets (RM million)
<b>Total</b>	<b>2,379</b>	<b>81,882</b>	<b>42,096</b>	<b>131,127</b>	<b>6,393</b>	<b>30,038</b>
Publishing	128	1,018	503	4,671	165	233
Motion picture, video and television programme	323	1,897	1,056	4,956	118	427
Programming and broadcasting	15	995	525	2,290	141	289
Telecommunication	342	56,442	28,147	44,458	2,369	26,323
Computer	1,366	17,785	9,363	61,468	3,021	2,165
Information	205	3,745	2,502	13,284	579	601

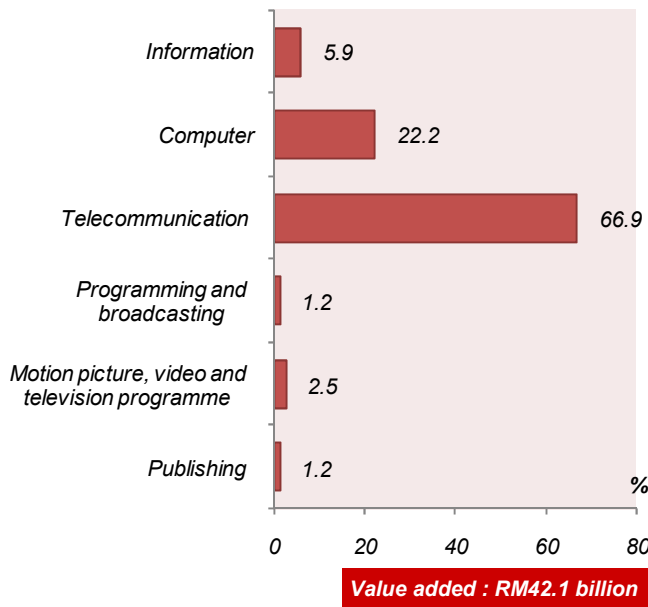
*In terms of **number of establishments**, the computer services engaged the most number, with 1,366 establishments (57.4 per cent), while the remaining 42.6 per cent were distributed among the other type of services, as shown in Table 1.1.*

**Chart 1.1 : Percentage distribution of value of gross output by type, 2010**

**Value of gross output** generated by the information and communication services was RM81.9 billion. Within this group, the largest contributor to output was telecommunication services with RM56.4 billion (68.9 per cent). This was followed by computer services, RM17.8 billion (21.7 per cent) and information services, RM3.7 billion (4.6 per cent) (Chart 1.1).



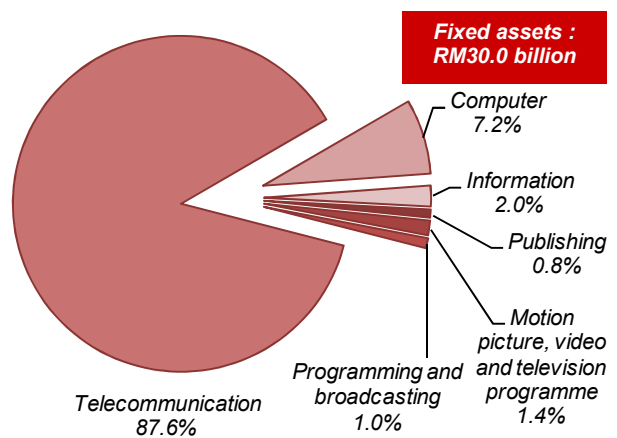
**Chart 1.2 : Percentage distribution of value added by type, 2010**



This pattern is also similar in terms of **value added**, where in 2010, this sector recorded RM42.1 billion. Telecommunication services contributed the highest, RM28.1 billion (66.9 per cent), followed by computer services, RM9.4 billion (22.2 per cent) and information services, RM2.5 billion (5.9 per cent) (Chart 1.2).

**Chart 1.3 : Percentage distribution of fixed assets by type, 2010**

In terms of **fixed assets**, establishments engaged in telecommunication services owned the highest value of fixed assets with RM26.3 billion (87.6 per cent), followed by computer services, RM2.2 billion (7.2 per cent) (Chart 1.3).





**Total number of persons engaged** was 131,127 persons. Computer services accounted for the largest proportion of total persons engaged, 61,468 persons (46.9 per cent), followed by telecommunication services, 44,458 persons (33.9 per cent) and information services, 13,284 persons (10.1 per cent) (Chart 1.4).

**Chart 1.4 : Percentage distribution of number of persons engaged by type, 2010**

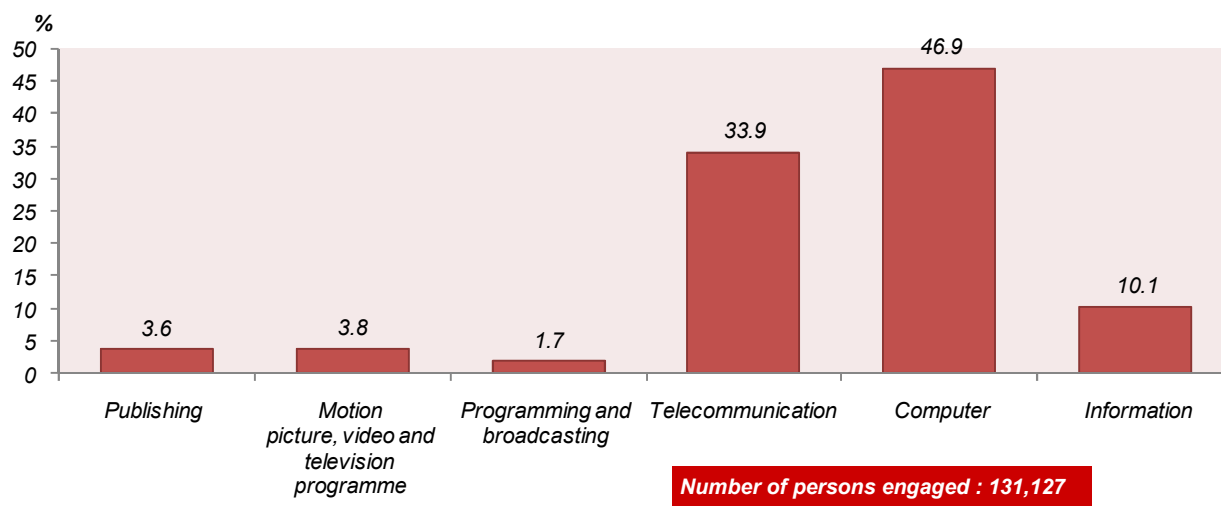


Table 1.2 shows the number of paid full-time employees was 128,986 persons or 98.4 per cent. Out of this number, managerial, professional and executives was the highest, 61,545 persons or 46.9 per cent. In terms of number of persons engaged by gender, male workers in the information and communication services was the highest with 62.3 per cent, as compared to female workers, 37.7 per cent.

**Table 1.2 : Number of persons engaged by category of workers, 2010**

Category of workers	Number of persons engaged					
	Total	%	Male	%	Female	%
<b>Total</b>	<b>131,127</b>	<b>100</b>	<b>81,665</b>	<b>62.3</b>	<b>49,462</b>	<b>37.7</b>
Total working proprietors and unpaid family workers	30	0.0	28	93.3	2	6.7
Total full-time employees	128,986	98.4	80,279	62.2	48,707	37.8
Managerial, professional and executive	61,545	46.9	40,367	65.6	21,178	34.4
Technical and supervisory	35,542	27.1	25,825	72.7	9,717	27.3
Clerical and related occupation	22,637	17.3	8,984	39.7	13,653	60.3
General workers	9,262	7.1	5,103	55.1	4,159	44.9
Part-time employees	2,111	1.6	1,358	64.3	753	35.7

Total **salaries & wages** disbursed was RM6.4 billion, of which computer services spent the most, RM3.0 billion or 47.3 per cent. This commensurate with the number of paid employees which was also the highest, at 61,452 persons or 46.9 per cent. Employees in the programming and broadcasting services earned the highest, RM61,572 as shown in Table 1.3.

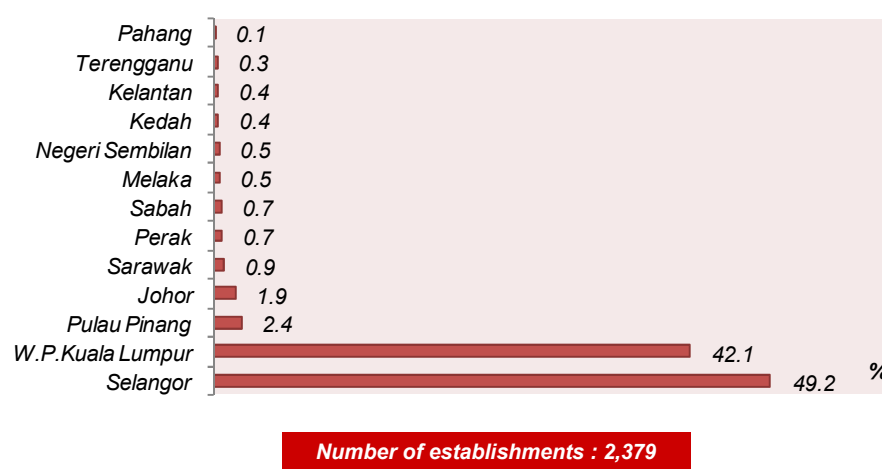
**Table 1.3 : Salaries & wages paid and average annual salary per employee in information and communication services, 2010**

Type	Number of persons engaged	%	Paid employees	%	Total salaries & wages paid (RM million)	%	Average annual salary received per employee (RM)
<b>Total</b>	<b>131,127</b>	<b>100.0</b>	<b>131,097</b>	<b>100.0</b>	<b>6,393</b>	<b>100.0</b>	<b>48,765</b>
Publishing	4,671	3.6	4,671	3.6	165	2.6	35,324
Motion picture, video and television programme	4,956	3.8	4,948	3.8	118	1.8	23,848
Programming and broadcasting	2,290	1.7	2,290	1.7	141	2.2	61,572
Telecommunication	44,458	33.9	44,458	33.9	2,369	37.1	53,286
Computer	61,468	46.9	61,452	46.9	3,021	47.3	49,160
Information	13,284	10.1	13,278	10.1	579	9.1	43,606

### III. PERFORMANCE BY STATE

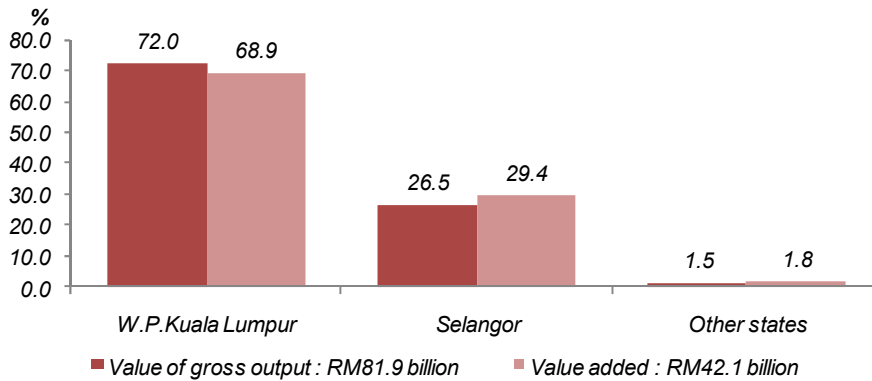
In terms of **number of establishments**, Selangor lead with 1,171 establishments or 49.2 per cent. This was followed by W.P. Kuala Lumpur and Pulau Pinang which accounted for 1,001 establishments or 42.1 per cent and 57 establishments or 2.4 per cent respectively (Chart 2.1).

**Chart 2.1 : Percentage distribution of number of establishments by state, 2010**



On the other hand, W.P. Kuala Lumpur registered the highest value of gross output and value added with RM59.0 billion and RM29.0 billion respectively. This was followed by Selangor with RM21.7 billion and RM12.4 billion of value of gross output and value added (Chart 2.2).

**Chart 2.2 : Percentage distribution of value of gross output and value added by state, 2010**



**Notation :**

Other states refer to Johor, Kedah, Kelantan, Melaka, Negeri Sembilan, Pahang, Terengganu, Perak, Pulau Pinang, Sabah and Sarawak

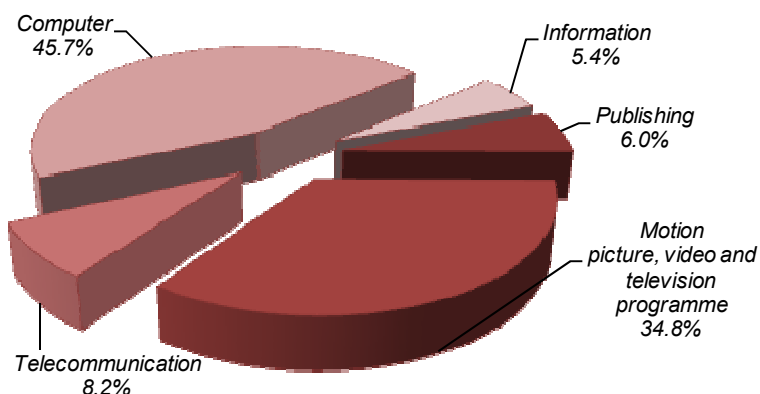
**IV. WOMEN-OWNED ESTABLISHMENTS**

Women-owned establishments number 184 (7.7 per cent) in the information and communication services (Table 3.1).

**Table 3.1 : Percentage distribution of women-owned establishments, 2010**

Type	Number of establishments		%
	Overall	Women-owned establishments	
<b>Total</b>	<b>2,379</b>	<b>184</b>	<b>7.7</b>
Publishing	128	11	8.6
Motion picture, video and television programme	323	64	19.8
Programming and broadcasting	15	-	-
Telecommunication	342	15	4.4
Computer	1,366	84	6.1
Information	205	10	4.9

**Chart 3.1 : Percentage distribution of women-owned establishments by type, 2010**



Computer services had the highest number of these establishments, with 45.7 per cent. Next was motion picture, video and television programme with 34.8 per cent. Information services had only 5.4 per cent of women-owned establishments (Chart 3.1).

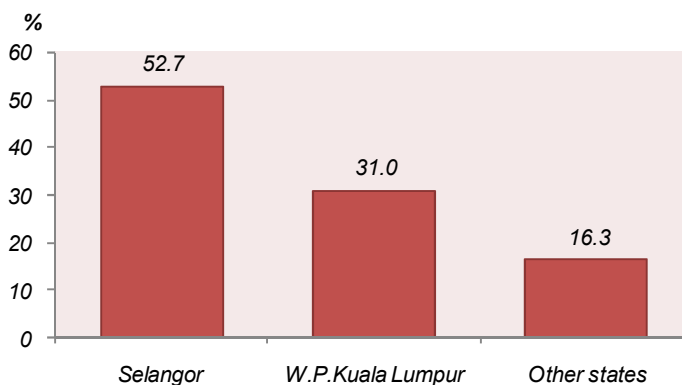
**Number of establishments : 184**

It was also noted that Selangor registered the highest number with 52.7 per cent, followed by W.P. Kuala Lumpur, 31.0 per cent and the other states, 16.3 per cent as shown in Chart 3.2.

**Notation :**

Other states refer to Johor, Kedah, Kelantan, Melaka, Negeri Sembilan, Terengganu, Perak, Pulau Pinang, Sabah and Sarawak.

**Chart 3.2 : Percentage distribution of women owned establishments by state, 2010**



**Number of establishments : 184**

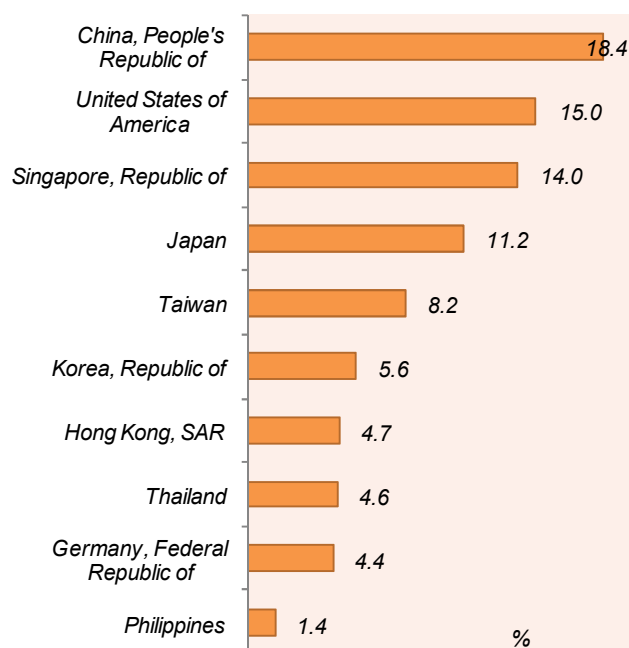
**IV. ICT INDICATORS**

Indicators on ICT obtained from secondary sources are also published in this report. Data on penetration rate and telephone usage are obtained from the Malaysian Communications and Multimedia Commission (MCMC) and International Telecommunication Union (ITU). Data on external trade of ICT goods and households access to ICT are obtained from the Department of Statistics, Malaysia.

**A. External trade of ICT goods**

The value of imports and exports of electrical and electronic goods in 2011 was RM177.9 billion and RM236.5 billion respectively. Chart 4.1 showed that 18.4 per cent of electrical and electronic goods were imported from the People's Republic of China followed by the United States of America, 15.0 per cent. Similarly the exports of these goods were also to the People's Republic of China, 17.6 per cent and Republic of Singapore at 13.6 per cent (Chart 4.2).

**Chart 4.1 : Malaysia's imports of electrical and electronic goods, 2011**



**Chart 4.2 : Malaysia's exports of electrical and electronic goods, 2011**

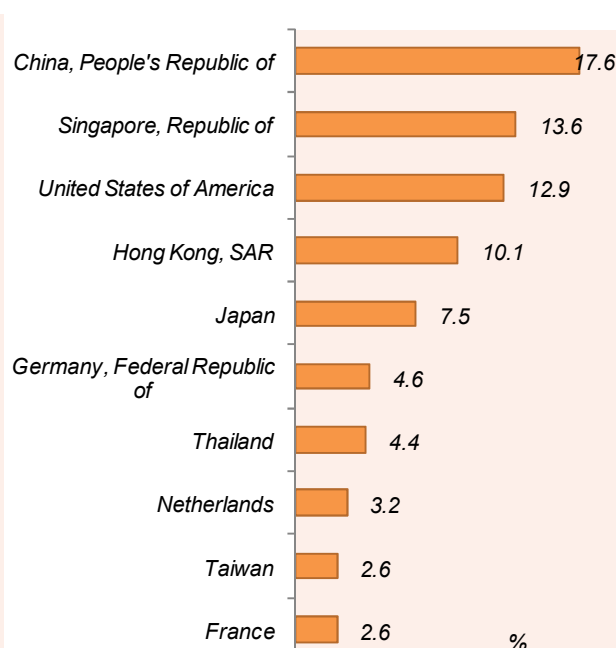


Table 4.1 shows that electrical machinery, apparatus and appliances, n.e.c and electrical parts thereof accounted for 71.7 per cent of the total imports of electrical and electronic goods and 59.6 per cent of the total exports of electrical and electronic goods. This was followed by office machines and automatic data processing equipment with imports at 15.1 per cent and exports 22.8 per cent.

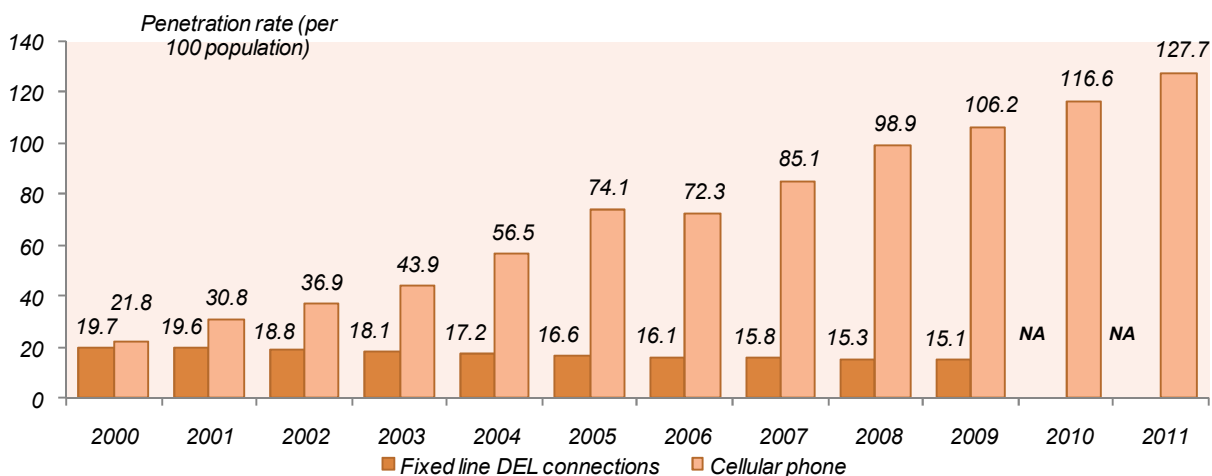
**Table 4.1 : Imports and exports of electrical and electronic goods, 2011**

Electrical and electronic goods	Imports		Exports	
	RM million	%	RM million	%
Office machines and automatic data processing equipment	26,774	15.1	54,055	22.8
Telecommunications and sound recording and reproducing apparatus & equipment	23,504	13.2	41,600	17.6
Electrical machinery, apparatus and appliances, n.e.c and electrical parts thereof	127,612	71.7	140,882	59.6
<b>Total</b>	<b>177,889</b>	<b>100.0</b>	<b>236,537</b>	<b>100.0</b>

## B. Penetration rate of fixed line and cellular phone

The penetration rate for fixed line DEL connections is on a declining trend, decreasing from 19.7 per 100 population in 2000 to 15.1 per 100 population in 2009. Data on 2010 and 2011 are not available for fixed line DEL connections. On the other hand, the penetration rate for cellular phones has been increasing from 21.8 per 100 population in 2000 to 127.7 per 100 population in 2011 (Chart 5).

**Chart 5 : Penetration rate of fixed line DEL connections and cellular phone subscribers per 100 population, Malaysia , 2000 - 2010**



Source : Malaysian Communications and Multimedia Commission (MCMC)

In 2011, there were 36.7 million cellular phone subscribers. Of this total, 29.6 million subscribers were prepaid subscribers and 7.1 million were postpaid subscribers. In addition, the total number of short message services (SMS) decreased 4.1 per cent to 93.1 billion in 2011 as compared to 97.1 billion in 2010. However, the number of broadband subscribers rose 20.4 per cent from 4.7 billion in 2010 to 5.7 billion in 2011 (Table 5).

**Table 5 : Number of subscribers of telephone cellular, short message services and broadband, 2010 - 2011**

Type of services	Year		Percentage change (%)
	2010	2011	
<b>1. Cellular phones</b>			
- Postpaid (million)	6.7	7.1	6.0
- Prepaid (million)	26.4	29.6	12.1
Number of subscribers (million)	33.1	36.7	10.9
<b>2. Short message services (SMS)</b>			
Short message services (SMS) (million)	97,141.2	93,119.7	(4.1)
<b>3. Broadband</b>			
Number of broadband subscriptions (thousand)	4,722.2	5,686.9	20.4

Source : Malaysian Communications and Multimedia Commission (MCMC)

**NOTA  
TEKNIKAL**

*TECHNICAL  
NOTES*





## NOTA TEKNIKAL

- Pendahuluan** Laporan ini memuatkan data perangkaan perkhidmatan maklumat dan komunikasi bagi tahun rujukan 2010. Data tersebut dikumpul dan disusun daripada Banci Ekonomi yang dilaksanakan pada tahun 2011.
- Objektif** Objektif utama Banci ini adalah untuk mengumpul maklumat berkaitan pertumbuhan, komposisi, profil dan perangkaan utama bagi subsektor ini untuk membantu kerajaan dalam perancangan pembangunan dan penggubalan dasar. Data yang diperoleh digunakan dalam penyusunan akaun negara, jadual input output, indeks perkhidmatan dan kajian tertentu. Maklumat tersebut juga digunakan oleh pihak swasta serta individu bagi tujuan membuat analisis ekonomi.
- Kuasa perundangan** Banci ini dilaksanakan di bawah **Akta Perangkaan 1965 (Disemak 1989)**. Seksyen 5 di bawah akta ini menghendaki mana-mana pertubuhan yang beroperasi di Malaysia untuk memberikan maklumat sebenar atau anggaran terbaik kepada Jabatan. Mengikut Akta ini, kandungan soal selidik adalah **sulit** dan hanya angka agregat diterbitkan.
- Skop dan liputan** Banci ini meliputi pertubuhan berdaftar yang terlibat dalam aktiviti perkhidmatan maklumat dan komunikasi yang merangkumi aktiviti penerbitan; perkhidmatan wayang gambar, video dan program televisyen; telekomunikasi; komputer dan perkhidmatan maklumat di seluruh Malaysia.
- Konsep dan definisi** Definisi perkhidmatan maklumat dan komunikasi yang diguna pakai dalam penerbitan ini berasaskan kepada Piawaian Klasifikasi Industri Malaysia 2008 Ver. 1.0 (MSIC 2008):
- i. **Aktiviti penerbitan**  
Aktiviti penerbitan termasuk pemerolehan hak cipta terhadap kandungan (produk informasi) dan menjadikan kandungan ini tersedia kepada umum menerusi (atau mengatur bagi) pengeluaran semula dan pengedaran dalam pelbagai bentuk. Semua bentuk penerbitan yang boleh dihasilkan (dalam bentuk cetakan, elektronik atau audio, di internet, sebagai produk multimedia seperti buku rujukan dalam bentuk CD-ROM, dll.), diliputi dalam bahagian ini kecuali penerbitan wayang gambar.
  - ii. **Aktiviti penerbitan wayang gambar, video dan program televisyen**  
Aktiviti penerbitan wayang gambar, video dan program televisyen, termasuk pengeluaran wayang gambar untuk panggung dan bukan panggung sama ada

filem, pita video atau cakera untuk tayangan di pawagam atau siaran televisyen; aktiviti sokongan seperti suntingan, tapisan dan alih suara filem dll; pengedaran wayang gambar dan produksi filem lain kepada industri lain; termasuk tayangan wayang gambar atau produksi filem lain.

Juga termasuk pembelian dan penjualan wayang gambar atau hak penyebaran pengeluaran filem lain. Selain itu ia juga termasuk aktiviti rakaman bunyi seperti mengeluarkan, menyiar, mempromosi dan mengedar rakaman bunyi asal, penerbitan muzik dan juga aktiviti perkhidmatan rakaman bunyi di studio dan di tempat lain termasuklah rakaman rancangan radio, audio untuk filem, televisyen dll. Aktiviti penerbitan muzik contohnya mendapat dan mendaftar hak cipta untuk gubahan muzik, promosi, kebenaran dan penggunaan rakaman gubahan, radio televisyen, wayang gambar, siaran langsung dan cetakan dan media lain.

### **iii. Aktiviti pemrograman dan penyiaran**

Aktiviti pemrograman dan penyiaran termasuk aktiviti mencipta atau mendapat hak untuk mengedar dan menyiar kandungan rancangan radio, televisyen dan program data hiburan, berita, bual bicara dan seumpamanya. Termasuk juga penyiaran data biasanya diintegrasikan bersama siaran radio atau televisyen. Penyiaran boleh dilakukan menggunakan pelbagai teknologi melalui siaran ke udara, satelit, rangkaian kabel atau internet. Bahagian ini juga termasuk pengeluaran rancangan yang tertumpu kepada langganan atau dasar yuran kepada pihak ketiga untuk siaran umum (format khusus seperti berita, sukan, pendidikan, program remaja).

### **iv. Telekomunikasi**

Telekomunikasi termasuk aktiviti menyediakan perkhidmatan telekomunikasi dan aktiviti yang berkaitan, seperti transmisi suara, data, teks, bunyi dan video. Kemudahan transmisi ini mungkin berasaskan satu teknologi atau kombinasi bagi teknologi tersebut. Lazimnya aktiviti yang diklasifikasikan dalam bahagian ini adalah transmisi kandungan. tanpa melibatkan penciptaannya. Pecahan di dalam bahagian ini adalah bergantung kepada jenis infrastruktur yang beroperasi.

### **v. Aktiviti pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan**

Pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan termasuk aktiviti penyediaan kepakaran di dalam bidang teknologi maklumat seperti

penulisan, pengubahsuaian, percubaan dan perisian sokongan bagi memenuhi kehendak pelanggan tertentu; merancang dan mereka bentuk sistem komputer dengan mengintegrasikan teknologi perkakasan, perisian komputer dan komunikasi, pengurusan di lapangan dan operasi sistem komputer pelanggan dan/atau kemudahan memproses data; menyediakan infrastruktur untuk *hosting* atau perkhidmatan prosesan data, dan aktiviti perkhidmatan profesional dan teknikal yang berkaitan dengan komputer.

**vi. Aktiviti Perkhidmatan maklumat**

Aktiviti perkhidmatan maklumat termasuk aktiviti carian web portal, prosesan data dan *hosting*, serta aktiviti lain pembekalan maklumat.

**Tahun banci**

Tahun banci merujuk kepada tahun pelaksanaan banci

**Tahun rujukan**

Tahun rujukan bagi banci ini ialah tahun takwim 2010. Pertubuhan yang mempunyai tahun kewangan yang berbeza daripada tahun takwim diminta menyediakan laporan mengikut tahun perakaunan atau kewangan yang meliputi sebahagian besar daripada tahun rujukan.

**Metodologi**

Banci dilaksanakan secara mel dengan menggunakan borang soal selidik. Responden diberi tempoh satu bulan untuk melengkap dan mengembalikan borang soal selidik tersebut kepada Jabatan ini. Selepas tempoh tersebut, kerja luar dijalankan untuk mendapatkan borang lengkap daripada pertubuhan yang tidak memberi jawapan.

**Unit melapor**

Banci ini dilaksanakan dengan menggunakan pendekatan **pertubuhan**. Pertubuhan ditakrifkan sebagai “satu unit ekonomi yang bergiat di bawah satu hak milik atau penguasaan tunggal, iaitu di bawah satu entiti yang sah. Ia menjalankan satu jenis aktiviti ekonomi utama di satu tempat / lokasi fizikal”. Setiap pertubuhan diberikan klasifikasi industri yang berbeza berdasarkan aktiviti utamanya dan bukannya mengikut aktiviti syarikat induk.

Bagi pertubuhan yang menjalankan pelbagai aktiviti, unit yang bergiat dalam aktiviti yang berasingan dalam satu lokasi yang sama terdiri daripada entiti pertubuhan yang berbeza. Oleh itu, setiap cawangan daripada organisasi yang mempunyai pelbagai cawangan di lokasi yang berbeza dari segi konsep dianggap sebagai pertubuhan yang berlainan. Pertubuhan berkenaan diminta memberikan penyata yang berasingan bagi setiap kegiatannya dari segi nilai. Walau bagaimanapun, dari segi praktisnya, akaun biasanya disediakan secara berpusat yang sukar untuk

diasingkan mengikut unit atau cawangan. Entiti atau enterpris berkenaan dianggap sebagai satu pertubuhan dan dibenarkan menghantar satu borang soal selidik yang menggabungkan semua unit atau cawangan.

**Jenis aktiviti  
perniagaan**

Jenis aktiviti perniagaan merujuk kepada aktiviti utama dan sekunder. Aktiviti utama merujuk kepada aktiviti yang mana pertubuhan menumpukan sebahagian besar sumbernya atau yang memberikan sumbangan besar dari segi pendapatan. Klasifikasi industri pertubuhan dibuat berdasarkan aktiviti utama dan Piawai Klasifikasi Industri Malaysia 2008 (MSIC) 2008 Ver. 1.0. MSIC 2008 yang digunapakai adalah selaras dengan Klasifikasi Perindustrian Antarabangsa bagi Semua Aktiviti Ekonomi (ISIC), Semakan Ke-4, Pertubuhan Bangsa-Bangsa Bersatu, dengan pengubahsuaian untuk keperluan tempatan.

**Taraf sah**

Taraf sah organisasi sesebuah pertubuhan ditakrifkan seperti berikut:

**i. Hak milik perseorangan**

Ia merujuk kepada perniagaan yang dimiliki oleh orang perseorangan dan dijalankan semata-mata untuk mendapatkan keuntungan. Pemilik mempunyai hak mutlak untuk mengendalikan urusan pertubuhannya.

**ii. Perkongsian**

Merujuk kepada sekumpulan individu yang telah bersetuju untuk mengikat kontrak dan menjalankan perniagaan dengan matlamat untuk mendapat keuntungan. Perniagaan tersebut diuruskan oleh semua atau salah seorang daripada mereka yang bertindak mewakili semua pihak. Perkongsian perniagaan ini hendaklah mengandungi sekurang-kurangnya dua orang ahli dan tidak melebihi had maksimum dua puluh orang.

**iii. Syarikat sendirian berhad**

Merujuk kepada sebuah perbadanan swasta yang ditubuhkan untuk menjalankan perniagaan dengan tujuan untuk mencari keuntungan. Saham dipegang secara tertutup oleh pemegang-pemegang saham yang mempunyai kawalan terhadap operasi syarikat. Ia didaftarkan dengan tanggungan berhad. Sesebuah syarikat sendirian berhad mempunyai Memorandum dan Artikel Persatuan sendiri, yang antara lain:

- a. Menghadkan hak untuk memindahkan sahamnya;
- b. Menghadkan bilangan pemegang sahamnya di antara dua hingga lima puluh orang (tidak termasuk pekerja syarikat itu dan bekas pekerja yang masih menjadi ahli);

- c. Melarang sebarang pelawaan kepada orang ramai untuk membeli apa-apa saham atau debentur syarikat itu; dan
- d. Melarang sebarang pelawaan kepada orang ramai supaya menyimpan wang di syarikat itu bagi sesuatu tempoh yang ditetapkan ataupun untuk dibayar bila dituntut, sama ada dengan faedah atau tidak.

**iv. Syarikat awam berhad**

Syarikat awam berhad juga merupakan sebuah perbadanan swasta yang ditubuhkan, dengan tanggungan berhad, oleh sekurang-kurangnya dua orang untuk menjalankan perniagaan dengan tujuan mencari keuntungan. Saham syarikat awam berhad ini dipegang secara terbuka dan bagi sesebuah syarikat yang disenaraikan di Bursa Malaysia, sahamnya boleh bertukar milik secara bebas. Syarikat tersebut dianggap sebagai entiti yang sah dan ditubuhkan mengikut Memorandum dan Artikel Persatuan.

**v. Koperasi**

Ia merujuk kepada sesebuah persatuan sukarela yang bilangan ahlinya tidak terhad dan didaftarkan di bawah Akta Koperasi, 1993. Kumpulan wang yang ada adalah milik bersama untuk memenuhi keperluan ahlinya.

**vi. Perbadanan awam**

Ia merujuk kepada sebuah perbadanan yang ditubuhkan di bawah Akta Khas Parlimen atau Dewan Perundangan Negeri.

**vii. Pertubuhan persendirian tidak mencari keuntungan**

Ia merujuk kepada syarikat tanpa saham yang ditubuhkan dengan tanggungan berhad. Kebanyakan syarikat ini terdiri daripada pertubuhan kebajikan, keagamaan, pendidikan, kesihatan, kebudayaan, rekreasi dan pertubuhan yang memberikan perkhidmatan sosial dan kemasyarakatan kepada isi rumah. Perkhidmatan diberikan secara percuma atau pada harga yang tidak melebihi kos perkhidmatan (subsidi). Sebarang keuntungan yang diperoleh dilabur semula ke dalam pertubuhan berkenaan.

**viii. Lain-lain**

Ia merujuk kepada semua pertubuhan lain yang tidak termasuk di mana-mana kategori yang tersebut di atas.

**Pertubuhan milikan wanita**

Ia merujuk kepada pertubuhan yang memiliki sekurang-kurangnya 51 peratus pemilikan ekuiti yang dipegang oleh wanita ATAU pemegang saham terbesar

adalah wanita dan pertubuhan diuruskan oleh wanita ATAU Pengarah Urusan atau Ketua Pengarah Eksekutif adalah wanita yang memiliki sekurang-kurangnya 10 peratus ekuiti.

#### **Hak milik**

Struktur hak milik sesebuah pertubuhan dikelaskan mengikut taraf residen pemilik/pemilik-pemilik modal berbayar terbesar (melebihi 50%) dan bukannya mengikut taraf kewarganegaraan mereka. Dalam kes di mana setiap pihak (Residen Malaysia dan Bukan Residen Malaysia) memegang bilangan saham yang sama banyak dalam perniagaan berkenaan, maka pertubuhan tersebut telah dikelaskan di bawah 'Hak Milik Bersama'.

Residen Malaysia ialah individu, enterpris atau organisasi lain yang lazimnya terletak di Malaysia untuk jangka masa sekurang-kurangnya satu tahun. Cawangan dan anak syarikat asing yang didaftarkan dan perbadankan di Malaysia adalah dianggap sebagai bukan residen Malaysia.

Bukan residen Malaysia ialah individu, enterpris atau organisasi lain yang lazimnya terletak di negara lain selain Malaysia. Cawangan dan anak syarikat milik residen Malaysia di luar negara dianggap sebagai residen Malaysia.

#### **Nilai output kasar**

Nilai output pada harga pengeluar ditakrifkan dengan memasukkan perkara berikut:

- Pendapatan daripada perkhidmatan yang diberikan
- + Nilai barang yang dijual dalam keadaan yang sama seperti dibeli
- Kos barangan yang dijual dalam keadaan yang sama seperti dibeli
- + Komisen dan komisen pembrokeran
- + Pendapatan daripada perkhidmatan pengurusan
- + Pendapatan daripada sewa
- + Perbelanjaan modal ke atas binaan sendiri
- + Cukai perkhidmatan
- + Semua output lain (seperti pendapatan yang diterima kerana membaiki peralatan dan mesin pertubuhan lain, dll.)

#### **Nilai input perantaran**

Nilai input perantaran merujuk kepada harga pembeli semasa dan ditakrifkan dengan memasukkan unsur berikut:

- Nilai bahan dan bekalan yang digunakan (termasuk bayaran pengangkutan, cukai dan duti yang dibayar)
- + Kos kerja perindustrian yang dibuat oleh orang lain (seperti pembaikan dan

penyelenggaraan)

- + Kuasa elektrik dan air yang dibeli
- + Nilai bahan pembakar, pelincir dan air yang digunakan
- + Semua kos input lain (seperti percetakan, R&D, pembelian perkhidmatan pengangkutan, perbelanjaan perjalanan, pengiklanan, bayaran guaman, bayaran pos, bayaran pengurusan, bayaran sewaan, dll.)

**Nilai ditambah** Nilai ditambah ialah tambahan kepada nilai barangan dan perkhidmatan yang dikeluarkan oleh sesebuah pertubuhan. Nilai ditambah diperoleh daripada perbezaan antara nilai output kasar dengan kos input.

**Pendapatan** Pendapatan merujuk kepada penerimaan yang diterima atau akan diterima untuk perkhidmatan yang diberikan dan transaksi lain yang dibuat semasa tahun rujukan. Ia terdiri daripada pendapatan operasi dan pendapatan bukan operasi

**Perbelanjaan** Perbelanjaan merujuk kepada amaun yang dibayar dan perlu dibayar bagi pembelian barangan dan perkhidmatan pada tahun rujukan kecuali perbelanjaan modal. Ia terdiri daripada perbelanjaan operasi dan perbelanjaan bukan operasi.

**Jumlah pekerja** Jumlah pekerja meliputi orang yang diambil bekerja pada bulan **Disember atau pada tempoh pembayaran gaji terakhir** pada tahun rujukan. Bilangan orang yang bekerja dikategorikan seperti berikut:

**i. Pemilik yang bekerja dan rakan niaga yang aktif**

Kategori ini merujuk kepada semua pemilik perseorangan dan rakan niaga sambilan atau sepenuh masa, yang bekerja dengan aktif dalam pertubuhan. Justeru itu, ia tidak termasuk rakan niaga yang tidak aktif.

**ii. Pekerja keluarga tidak bergaji**

Kategori ini meliputi semua ahli isi rumah pemilik pertubuhan yang melaksanakan kerja tertentu (sepenuh masa atau sambilan) dan bekerja sekurang-kurangnya satu pertiga daripada waktu bekerja biasa yang diamalkan oleh pertubuhan berkenaan tanpa mendapat bayaran secara '*regular*' sama ada dalam bentuk wang tunai atau mata benda bagi kerja yang dilakukan. Biasanya pekerja berkenaan mendapat makanan, tempat tinggal dan bantuan lain sebagai sebahagian daripada ahli isi rumah pemilik dan terus mendapatnya sama ada ia bekerja atau tidak di dalam pertubuhan itu.

### iii. Pekerja sepenuh masa

Ia merujuk kepada semua pekerja bergaji yang bekerja sekurang-kurangnya 6 jam sehari dan 20 hari sebulan.

### iv. Pekerja sambilan

Ia merujuk kepada semua pekerja bergaji yang bekerja kurang daripada 6 jam sehari dan / atau kurang daripada 20 hari sebulan.

## Gaji & upah yang dibayar

Gaji & upah yang dibayar merujuk kepada pembayaran tunai, termasuk yang dibayar bonus, komisen, bayaran lebih masa, elaun kos sara hidup dan elaun-elaun lain yang dibayar kepada semua pekerja bergaji dalam tempoh tahun rujukan. Sementara caruman pekerja kepada Kumpulan Wang Simpanan Pekerja (KWSP) dan Pertubuhan Keselamatan Sosial (PERKESO) turut dimasukkan, manakala caruman oleh majikan **dikecualikan**. **Elaun** kepada pemilik yang bekerja, rakan niaga yang bekerja dan pekerja keluarga tidak bergaji juga **dikecualikan**.

## Perbelanjaan modal

Merujuk kepada pembelian harta dan kos pindaan dan pembaikan besar kepada harta sepanjang tahun rujukan.

## Nilai harta tetap

Harta merujuk kepada harta tetap. Ia meliputi semua barangan, baru atau terpakai, ketara atau tidak ketara yang mempunyai hayat produktif lebih daripada setahun. Ia termasuk tanah, bangunan dan struktur, alat pengangkutan, komputer dan peralatan periferal, perisian komputer, peralatan mesin dan lain-lain, serta perabot dan pemasangan lain. Nilai harta pembuka dan penutup bagi tahun rujukan 2010 adalah berasaskan nilai buku akaun. Pembelian, pindaan dan pembaikan besar atau perbelanjaan modal pada tahun berkenaan dikira pada nilai sebenar yang dibayar. Nilai aset yang dijual dalam tahun semasa juga dikira pada nilai sebenar.

## Pembundaran

Penjumlahan dan campuran komponen-komponen mungkin berbeza dengan jumlah besar di dalam jadual-jadual dalam penerbitan ini disebabkan pembundaran angka.

## Simbol dan huruf ringkas

Simbol-simbol dan huruf ringkas berikut telah digunakan di dalam keseluruhan penerbitan:

-	tiada
}	cantum
NA	tidak berkaitan
RM	Ringgit Malaysia
t.t.t.l.	tidak terkelas di tempat lain



A.F.T.A.	<i>ASEAN Free Trade Area</i>
E.U.	<i>European Union</i>
E.F.T.A.	<i>European Free Trade Area</i>
L.A.I.A.	<i>Latin American Integration Association</i>
N.A.F.T.A.	<i>North American Free Trade Area</i>

## BAHAGIAN B : PENUNJUK TEKNOLOGI MAKLUMAT DAN KOMUNIKASI

**Perdagangan luar negeri bagi barangan teknologi maklumat dan komunikasi (ICT)** Bahagian ini memberikan perangkaan perdagangan Malaysia berkaitan dengan import dan eksport barangan elektrik dan elektronik (termasuk eksport semula) (barangan ICT) mengikut negara-negara terpilih dan kumpulan ekonomi.

Berkuatkuasa dari bulan rujukan **Januari 2000**, konsep dan definisi yang digunakan untuk menyusun perangkaan ini berdasarkan *International Merchandise Trade Statistics: Concepts and Definitions* (IMTS, Rev. 2), 1998.

**Import** - Sesuatu barang dianggap sebagai import apabila ianya dibawa masuk ke dalam Negara, sama ada terus atau pun disimpan di gudang-gudang yang dikawal tanpa mengira sama ada barang tersebut adalah untuk kegunaan sendiri, diproses, digunakan dalam perkilangan ataupun untuk dieksport semula ke negara lain. Ia juga diistilahkan sebagai 'import umum'.

**Eksport** - Sesuatu barang (keluaran atau buatan tempatan atau diimport untuk dieksport semula) dianggap sebagai eksport apabila ianya dibawa keluar dari negara. Ia juga diistilahkan sebagai 'eksport umum'.

**Taburan peratus isi rumah yang mempunyai kemudahan peralatan ICT, Malaysia** Penyiasatan Kemudahan Asas (KA) 2009 dilaksanakan bagi mengumpul maklumat berkaitan tahap kemudahan asas yang dinikmati oleh isi rumah pada tahun 2009. Ia telah dijalankan secara bersama dengan Penyiasatan Pendapatan Isi Rumah (PPIR) 2009, yang mana penyiasatan ini lebih dikenali sebagai Penyiasatan Pendapatan Isi Rumah / Kemudahan Asas (PPIR / KA) 2009. Laporan ini secara amnya memuatkan data-data terpilih daripada Penyiasatan KA 2007.

Di dalam penyiasatan ini isi rumah ditakrifkan sebagai seorang atau sekumpulan orang yang bersaudara atau tidak bersaudara yang biasanya tinggal bersama dan membuat peruntukan yang sama untuk makanan dan keperluan-keperluan hidup lain.

Data dipersembahkan mengikut taburan peratusan isi rumah. Angka dalam peratus yang dipaparkan dalam jadual adalah berasaskan angka mutlak yang tidak dibundarkan.

**Perangkaan  
telekomunikasi,  
Malaysia**

Penyiasatan Fakta dan Angka Terpilih yang diterbitkan setiap suku tahun oleh Suruhanjaya Komunikasi dan Multimedia (SKKM) adalah bertujuan bagi memberi maklumat yang berguna berkaitan dengan industri Komunikasi dan multimedia.

Data dipersembahkan mengikut kadar penembusan Talian Ibusawat Terus (DEL) merujuk kepada talian tetap yang menyambungkan peralatan pelanggan terus kepada ibusawat. Kadar penembusan adalah bilangan sambungan Talian Ibusawat Terus bagi setiap 100 penduduk. Kadar penembusan per 100 penduduk diolahkan dengan mengambil jumlah bilangan langganan (perniagaan dan kediaman) dan dibahagikan dengan jumlah penduduk dan didarabkan dengan 100.

## TECHNICAL NOTES

- Introduction** *This report provides information on information and communication services for reference year 2010. The data were collected and compiled from the Economic Census conducted in 2011.*
- Objective** *The main objective of this census is to collect information pertaining to growth, composition, profile and principal statistics of this subsector to assist the government in development planning and formulation of policies. The data are also used for the compilation of national accounts, input-output tables, index of services and specific studies. In addition, the results are also used by private sector and individuals for economic analysis.*
- Legal authority** *The census was conducted under the provisions of the **Statistics Act, 1965 (Revised 1989)**. Section 5 of the Act requires all establishments operating in Malaysia to provide actual information or best estimates to the Department. The Act stipulates that the contents of individual returns are **confidential** and only aggregated figures are published.*
- Scope and coverage** *The census covered all registered establishments engaged in the information and communications services including publishing of books, periodicals and other publishing activities, motion picture, video and television programme production, sound recording and music publishing activities, programming and broadcasting and activities, telecommunications, computer programming, consultancy and related activities and information service activities in Malaysia.*
- Concepts and definitions** *The definition of information and communications services adopted in this publication is based on the recommendations of the Malaysia Standard Industrial Classification 2008 (MSIC 2008) Ver. 1.0.*
- i. Publishing activities**  
*Publishing includes the acquisition of copyrights to content (information products and making this content available to the general public by engaging in (or arranging for) the reproduction and distribution of this content in various forms. All the feasible forms of publishing (in print, electronic or audio form, on the internet, as multimedia products such as CD-ROM reference books, etc.), except publishing of motion pictures, are included in this division.*

**ii. Motion picture, video and television programme**

*It includes production of theatrical and non-theatrical motion pictures whether on film, video tape or disc for direct projection in theatres or for broadcasting on television; supporting activities such as film editing, cutting, dubbing, etc; distribution of motion pictures and other film productions projection. Also included is buying and selling of motion picture or other film productions distribution rights is also included. It also includes the sound recording activities, i.e production of original sound master recordings, releasing promoting and distributing them, publishing of music as well as sound recording service activities in a studio or elsewhere*

**iii. Programming and broadcasting activities.**

*Programming and broadcasting activities includes the activities of creating content or acquiring the right to distribute content and subsequently broadcasting that content, such as radio, television and data program of entertainment, news, talk, and the like. Also included is data broadcasting, typically integrated with radio or TV broadcasting. The broadcasting can be performed using different technologies, over-the-air, via satellite, via a cable network or via internet. This division also includes the production of program that are typically narrowcast in nature (limited format, such as news, sports, education, or youth-oriented programming) on a subscription or fee basis, to a third party, for subsequent broadcasting to the public.*

**iv. Telecommunications activities**

*Telecommunication activities includes the activities of providing telecommunications and related service activities, i.e. transmitting voice, data, text, sound and video. The transmission facilities that carry out these activities may be based on a single technology or a combination of technologies. The commonality of activities classified in this division is the transmission of content, without being involved in its creation. The breakdown in this division is based on the type of infrastructure operated.*

**v. Computer programming, consultancy and related activities**

*Computer programming, consultancy and related activities includes the following activities of providing expertise in the field of information technologies such as writing, modifying, testing and supporting software to meet the needs of a particular customer; planning and designing computer systems that integrate computer hardware, software and communication technologies; on-site management and operation of clients' computer systems and/or data*

*processing facilities; providing infrastructure for hosting or data processing services; and other professional and technical computer-related activities.*

**vi. Information services activities**

*Information services activities includes the activities of web search portals, data processing and hosting activities, as well as other activities that primarily supply information.*

**Census year**

*Census year refers to the year in which a census was conducted.*

**Reference year**

*The reference period for the census is the calendar year 2010. Establishments with accounting year different from the calendar year were requested to report according to the accounting or financial year covering the major part of the reference year.*

**Methodology**

*The census was primarily conducted by mail inquiry. Respondents were given one month to complete and return the questionnaires to the Department after which field enumeration was undertaken for the establishments that did not respond.*

**Reporting unit**

*The census was conducted on an **establishment** basis. An establishment is defined as ‘an economic unit that engaged in one activity, under a single legal entity and operating in a single physical location’. Each establishment was assigned an industry classification based on its principal activity and not that of its parent company.*

*In the case of a multi-activity entity, units engaged in separate activities in the same location constituted distinct establishments. Thus, conceptually, for a multi-activity entity, units engaged in separate activities in the same location constituted distinct establishments. Similarly, each branch of a multi-branch entity at a different location was conceptually a different establishment. However, if in practice, the accounts were centrally kept such that it was not possible to obtain separate data for each individual unit or branch, that entity was treated as a single reporting unit and allowed to submit a consolidated return covering all the units or branches.*

**Type of  
business activity**

*Type of business activity refers to both principal and secondary activities. The principal activity refers to the activity to which the establishment devoted most of its resources or from which it derived most of its income. Secondary activities are those incidental or ancillary to the principal activity. The classification of the industry of the establishment is based on the principal activity and is in accordance to the Malaysia Standard Industrial Classification 2008 (MSIC 2008) Ver. 1.0. The MSIC*

2008 conforms to the latest International Standard Industrial Classification of All Economic Activities (ISIC), Revision 4, United Nations, with modifications to suit local conditions.

**Legal organisation** The legal status of an establishment has been defined as follows:

**i. Individual Proprietorship**

This refers to a business, owned and operated by one person for his own profit. The owner has the exclusive right to control the operations of the establishment.

**ii. Partnership**

This refers to a group of individuals who agree to contract and to carry on a business with the objective of making a profit. The business is managed by all or any one acting for all parties. A trading partnership must comprise at least two members and should not exceed a maximum of twenty members.

**iii. Private limited company**

This is a private corporation established to undertake a business with the objective of making a profit. The shares are closely held by shareholders of the corporation who has control over its operation. It is registered with limited liability.

A private limited company has its Memorandum and Articles of Association, which among others:

- a. restricts the right to transfer its shares;
- b. limits the number of its shareholders between two to fifty (not including employees of the company and past employees who are currently members);
- c. prohibits any invitation to the public to subscribe for any share or debenture of the company; and
- d. prohibits any invitation to the public to deposit money with the company for fixed periods or payable at call with or without interest.

**iv. Public limited company**

A public limited company is also a private corporation established, with limited liability, by a minimum of two persons to operate the business with the objective of making a profit. The shares in a public limited company are openly held and in the case of a company listed on the Stock Exchange, the shares are freely

transferable. The company is regarded as a legal entity and is constituted by the Memorandum and Articles of Association.

**v. Co-operative**

This refers to a voluntary association with an unrestricted number of members and registered under the Co-operatives Act 1993. Funds are collectively owned to meet the needs of the members.

**vi. Public corporation**

This refers to a corporation set up under a special Act of Parliament or by the State Legislature.

**vii. Private Non-profit Making Organisation**

This is a non-stock company set up with limited liability. It comprises mainly welfare, religious, educational, health, cultural, recreational and other organisations providing social and community services to households. These services are provided free of charge or at prices, which do not necessarily or fully cover the cost of providing such services. Any profit made is re-invested in the organisation.

**viii. Others**

This refers to all other establishments, which do not fall under any of the categories mentioned above.

**Women-owned establishment**

Refers to the establishment with at least 51 percent and above of the equity held by a woman / women OR largest shareholder are woman and establishment run by woman OR the Managing Director or Chief Executive Officer is a woman that owns at least 10 per cent of the equity.

**Ownership**

The ownership of an establishment is classified by the residential status of the owner(s) of the majority (more than 50%) of the paid-up capital and not by their citizenship status. In instances where each party (Malaysian Resident and Non-Malaysian Resident) held equal shares in the business, the establishments were classified as 'Joint Ownership'.

A Malaysian resident is any individual, enterprise or other organisation ordinarily domiciled in Malaysia for a period of at least one year. Malaysian registered branches and incorporated subsidiaries of foreign enterprises are regarded as Malaysian residents.

*A non-Malaysian resident is any individual, enterprise or other organization ordinarily domiciled in a country other than Malaysia. Foreign branches and/or subsidiaries of Malaysian companies are regarded as non-Malaysian residents.*

**Value of gross output**

*The value of gross output is defined to include the following elements:*

- Income from services rendered*
- + Values of good sold in the same condition as purchased*
- Cost of goods sold in the same condition as purchased*
- + Commission and brokerage earned*
- + Income from management services*
- + Rental Income*
- + Capital expenditure on own construction*
- + Service tax*
- + All other output (such as amount received for repairs and maintenance carried out on other establishments' machinery and equipment, etc.)*

**Intermediate input**

*The intermediate input is in current purchasers' price and is defined to include the following elements:*

- Value of materials and supplies consumed (including transport charges incurred and taxes and duties paid)*
- + Cost of industrial work done by others (such as repairs and maintenance)*
- + Electricity and water purchased*
- + Value of fuels, lubricants and water consumed*
- + All other input costs (such as printing, R&D, purchase of transport services, travelling expenses, advertising, legal fees, postage, management fees, rental, etc.)*

**Value added**

*Value added is the increment to the value of commodities and services contributed by the establishment. This value is derived as the difference between the value of gross output and cost of input.*

**Revenue**

*Revenue refers to the amount received and receivable for services rendered and other transactions made during the reference year. It comprised both operating and non-operating revenue.*

**Expenditure**

*Expenditure refers to the amount paid and payable for the purchases of goods and services during the reference year except capital expenditure. It comprised both operating and non operating expenditure.*



**Number of persons engaged** *Employment covers all persons engaged during **December or the last pay period of the reference year**. The number of persons engaged was classified under the following categories:*

**i. Working proprietors and active business partners**

*This category refers to all individual proprietors and partners, part-time or full-time, who are actively engaged in the work of the establishment. It therefore, excludes silent and inactive partners.*

**ii. Unpaid family workers**

*This is defined to encompass all persons (full-time or part-time) in the household of any of the owners of the establishment who perform a specified job and work for a minimum of one third of the normal working time of the establishment but do not receive regular payment either in cash or in kind for the work done. Such workers generally receive food, shelter and other support as part of the household of an owner but this would continue whether they worked in the establishment or not.*

**iii. Full-time employees**

*This is defined to refer to all paid workers who work for at least 6 hours a day and 20 days a month.*

**iv. Part-time employees**

*This is defined to include all paid workers who work for less than 6 hours a day and / or less than 20 days a month.*

**Salaries & wages paid** *Salaries & wages paid refer to cash payments, including bonuses, commissions, overtime wages, cost of living and allowances made to all employees during the reference year. While the employees' contributions to Employees' Provident Fund (EPF) and Social Security Organisation (SOCSO) are included, the employer's contributions are **excluded**. Allowances to working proprietors, working partners and unpaid family workers are also **not included**.*

**Capital expenditure** *This refers to the purchases of assets and cost of alteration and major repair to assets during the year.*

**Value of fixed assets** *Assets cover all goods, new or used, tangible or intangible that have a normal economic life span of more than one year. Included are land, buildings and structure; transport equipment; computer and peripheral equipment; other machinery, equipment and furniture and fittings. Value of assets as at the beginning and end of 2009 was based on net book value. Purchases, alterations and major repairs or capital expenditure during the year were valued at actual costs incurred. Value of assets sold during the year refers to the realised value.*

**Rounding** *The sum of the components may not add up to the totals in the tables presented in this publication due to rounding.*

**Symbol and abbreviation** *The following symbols and abbreviations have been used throughout this publication:*

-	<i>nil</i>
}	<i>combined</i>
NA	<i>Not applicable</i>
RM	<i>Ringgit Malaysia</i>
n.e.c.	<i>not elsewhere classified</i>
A.F.T.A	<i>ASEAN Free Trade Area</i>
E.U.	<i>European Union</i>
E.F.T.A.	<i>European Free Trade Area</i>
L.A.I.A.	<i>Latin American Integration Association</i>
N.A.F.T.A	<i>North American Free Trade Area</i>
S.A.A.R.C	<i>South Asian Association for Regional Co-operation</i>

## **PART B : INFORMATION AND COMMUNICATIONS TECHNOLOGY INDICATORS**

**External trade of information and communications technology (ICT) goods** *This Section provides the statistics of Malaysia's merchandise trade pertaining to imports and exports of electrical and electronic goods (including re-exports) (ICT goods) by selected countries and economic groups.*

**goods** *With effect from reference month **January 2000**, concepts and definitions used for the purpose of compiling these statistics are based on the **United Nation's International Merchandise Trade Statistics: Concepts and Definitions (IMTS,***

**Rev. 2), 1998.**

**Imports** - Goods are regarded as imports when they are brought into the country either directly or into bonded warehouses, irrespective of whether such goods are for consumption, to be processed, use in manufacturing or subsequent re-exports to other countries. It is also termed as 'general imports'.

**Exports** - Goods (locally produced or manufactured or imported for subsequent re-exports) are regarded as exports when they are taken out of the country. It is also termed as 'general exports'.

**Percentage  
distribution of  
households with  
access to ICT items,  
Malaysia**

The purpose of the Basic Amenities (BA) Survey 2009 was to collect information on the level of basic amenities enjoyed by households in 2007. It was conducted together with the Household Income Survey (HIS) 2009 and is known as the Household Income / Basic Amenities Survey (HIS / BA) 2009. This report contains selected information from the BA Survey for year 2009.

In this survey, households are defined as a person or group of related or unrelated persons who usually live together and make common provisions for food and other essentials of living.

Data are shown in percentages at total household level. Percentages shown in the tables are computed from absolute figures and may not always add up exactly to the totals, due to rounding errors.

**Telecommunication  
statistics, Malaysia**

The purpose of the selected data which is published quarterly by the Malaysian Communications and Multimedia Commission (MCMC) is to provide useful information for a cross-section of the communications and multimedia industry .

Data are shown in accordance to the Direct Exchange Line (DEL) which connects a customer's equipment to the Public Switched Telephone Network (PSTN) and has a dedicated port on a telephone exchange. The penetration rate is the number of DELs per 100 inhabitants. The penetration rate per 100 inhabitants refers to the number of subscriptions (business and residential) divided by the population and multiplied by 100.



**BAHAGIAN A1**

**PERKHIDMATAN  
MAKLUMAT DAN  
KOMUNIKASI**

*PART A1*

*INFORMATION AND  
COMMUNICATION  
SERVICES*



**Jadual A1.1 : Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut jenis, 2010**  
*Table A1.1 : Principal statistics of information and communication services by type, 2010*

	Bilangan pertubuhan establishments	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period		Gaji & upah yang dibayar Salaried & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
					Jumlah Total	Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers		
		(RM'000)	(RM'000)	(RM'000)		Pekerja bergaji Paid employees	(RM'000)	(RM'000)
<b>Jumlah Total</b>	<b>2,379</b>	<b>81,881,422</b>	<b>39,785,471</b>	<b>42,095,951</b>	<b>131,127</b>	<b>128,986</b>	<b>2,111</b>	<b>30,038,060</b>
<b>Penerbitan Publishing</b>	128	1,018,043	514,963	503,080	4,671	4,630	41	232,911
<b>Penerbitan wayang gambar, video dan program televisyen Motion picture, video and television programme</b>	323	1,897,113	841,107	1,056,006	4,956	3,821	1,127	427,176
<b>Pemrograman dan penyiaran Programming and broadcasting</b>	15	995,031	469,760	525,271	2,290	2,272	18	289,058
<b>Perkhidmatan telekomunikasi Telecommunications services</b>	342	56,441,552	28,294,641	28,146,911	44,458	44,278	180	26,322,647
<b>Perkhidmatan komputer Computer services</b>	1,366	17,785,128	8,422,108	9,363,020	61,468	60,821	631	2,164,780
<b>Perkhidmatan maklumat Information services</b>	205	3,744,555	1,242,892	2,501,663	13,284	13,164	114	601,488

Jadual A1.2 : Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut negeri, 2010  
Table A1.2 : Principal statistics of information and communication services by state, 2010

Negeri State	Bilangan pertubuhan Number of establish- ments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Pekerja bergaji Paid employees		Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
							Jumlah Total	Sepenuh masa Full-time		
		(RM'000)	(RM'000)	(RM'000)					(RM'000)	(RM'000)
<b>Jumlah</b>	<b>2,379</b>	<b>81,881,422</b>	<b>39,785,471</b>	<b>42,095,951</b>	<b>131,127</b>	<b>30</b>	<b>128,986</b>	<b>2,111</b>	<b>6,391,430</b>	<b>30,038,060</b>
<i>Total</i>										
<b>Johor</b>	45	156,360	72,429	83,931	712	4	689	19	17,663	32,794
<b>Kedah</b>	10	16,687	6,426	10,261	134	1	127	6	3,134	3,327
<b>Kelantan</b>	9	19,038	4,928	14,110	112	4	108	-	3,984	334
<b>Melaka</b>	12	19,092	9,394	9,698	181	1	154	26	4,028	2,339
<b>Negeri Sembilan</b>	11	36,605	16,591	20,014	83	-	83	-	1,643	5,981
<b>Pahang</b>	9	22,188	12,672	9,516	137	-	113	24	2,334	1,921
<b>Terengganu</b>	17	34,610	17,459	17,151	221	1	216	4	4,211	83,328
<b>Perak</b>	57	391,279	171,884	219,395	1,495	2	1,470	23	53,039	76,747
<b>Pulau Pinang</b>	16	209,630	62,781	146,849	339	-	318	21	5,990	30,485
<b>Sabah</b>	21	354,399	134,612	219,787	1,138	1	1,135	2	33,325	418,074
<b>Sarawak</b>	1,171	21,666,358	9,308,926	12,357,432	53,114	14	51,619	1,481	2,407,656	4,209,452
<b>Selangor</b>	1,001	58,955,176	29,967,369	28,987,807	73,461	2	72,954	505	3,854,423	25,173,278
<b>W.P. Kuala Lumpur *</b>										

Nota: \* Termasuk W.P. Putrajaya  
Includes W.P. Putrajaya



**Jadual A1.3 : Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut taraf sah, 2010**  
**Table A1.3 : Principal statistics of information and communication services by legal organization 2010**

Taraf sah Legal organisation	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
<b>Jumlah Total</b>	<b>2,379</b>	<b>81,881,422</b>	<b>39,785,471</b>	<b>42,095,951</b>	<b>131,127</b>	<b>6,391,430</b>	<b>30,038,060</b>
<b>Hak milik perseorangan Individual proprietorship</b>	168	264,440	149,939	114,501	1,126	33,096	34,722
<b>Perkongsian Partnership</b>	61	77,690	38,776	38,914	532	13,477	9,258
<b>Syarikat sendiri berhad Private limited company</b>	2,124	63,100,593	28,963,343	34,137,250	114,950	5,547,459	11,619,707
<b>Syarikat awam berhad Public limited company</b>	26	18,438,699	10,633,413	7,805,286	14,519	797,398	18,374,373

**Jadual A1.4 : Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut hak milik, 2010**  
*Table A1.4 : Principal statistics of information and communication services by ownership, 2010*

Hak milik Ownership	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid		Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year		
						(RM'000)	(RM'000)		(RM'000)	(RM'000)
					Jumlah Total	Pemilik yang bekerja Paid employees	Pekerja bergaji Part-time			
						tanpa gaji Working proprietors & unpaid family workers	Sepenuh masa Full-time			
<b>Jumlah Total</b>	<b>2,379</b>	<b>81,881,422</b>	<b>39,785,471</b>	<b>42,095,951</b>	<b>131,127</b>	<b>30</b>	<b>128,986</b>	<b>2,111</b>	<b>6,391,430</b>	<b>30,038,060</b>
<b>Residen Malaysia Malaysian residents</b>	2,286	76,987,281	37,820,721	39,166,560	113,754	30	111,785	1,939	5,428,206	29,648,543
<b>Bukan residen Malaysia Non-Malaysian residents</b>	85	4,625,405	1,841,931	2,783,474	16,608	-	16,436	172	932,872	353,845
<b>Milik bersama residen dan bukan residen Malaysia Join ownership Malaysian residents and Non- Malaysian residents</b>	8	268,736	122,819	145,917	765	-	765	-	30,352	35,672

**Jadual A1.5 : Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut saiz output, 2010**  
*Table A1.5 : Principal statistics of information and communication services by output size, 2010*

Saiz output Output size	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Jumlah Pemilik yang bekerja Total & pekerja keluarga Paid employees Working proprietors & unpaid family workers		Gaji & upah yang dibayar tetap yang dimiliki Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	
						Sepenuh masa Full-time	Part-time			
(RM'000)		(RM'000)	(RM'000)	(RM'000)				(RM'000)	(RM'000)	
<b>Jumlah Total</b>	<b>2,379</b>	<b>81,881,422</b>	<b>39,785,471</b>	<b>42,095,951</b>	<b>131,127</b>	<b>30</b>	<b>128,986</b>	<b>2,111</b>	<b>6,391,430</b>	<b>30,038,060</b>
<b>Kurang daripada Below</b>										
1,000	870	431,644	207,534	224,110	4,448	30	3,606	812	86,805	91,911
5,000	782	1,911,013	916,594	994,419	9,600	-	9,290	310	294,038	375,305
10,000	259	1,810,823	820,250	990,573	12,670	-	12,535	135	346,282	300,813
15,000	93	1,573,447	705,037	868,410	5,453	-	5,420	33	178,442	304,035
20,000	59	986,042	485,298	500,744	4,087	-	4,077	10	123,852	145,094
25,000	44	967,090	483,304	483,786	2,810	-	2,786	24	96,496	199,869
30,000	28	745,866	380,997	364,869	2,127	-	2,118	9	80,395	114,422
50,000	92	3,431,657	1,796,074	1,635,583	8,583	-	8,545	38	287,768	538,979
100,000	65	4,408,597	2,134,211	2,274,386	9,177	-	9,138	39	407,862	988,680
150,000	24	2,781,755	1,371,289	1,410,466	4,876	-	4,766	110	216,270	315,189
200,000	17	2,994,319	1,361,168	1,633,151	5,947	-	5,947	-	350,996	755,023
500,000	25	7,428,683	2,961,272	4,467,411	15,406	-	15,355	51	1,121,937	3,212,723
1,000,000	13	9,291,925	3,109,429	6,182,496	25,643	-	25,253	390	1,688,751	342,786
	8	43,118,561	23,053,014	20,065,547	20,300	-	20,150	150	1,111,536	22,353,231
	<b>dan lebih and above</b>									

**Jadual A1.6 : Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut saiz pekerja, 2010**  
*Table A1.6 : Principal statistics of information and communication services by employment size, 2010*

Saiz pekerja <i>Employment size</i>	Bilangan pertubuhan <i>Number of establishments</i>	Nilai output kasar <i>Value of gross output</i>	Nilai input perantara <i>Value of intermediate input</i>	Nilai ditambah <i>Value added</i>	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Total number of persons engaged during December or the last pay period</i>	Pekerja bergaji		Gaji & upah yang dibayar <i>Salaries &amp; wages paid</i>	Nilai harta tetap yang dimiliki pada akhir tahun <i>Value of fixed assets owned as at the end of the year</i>		
						Jumlah <i>Total</i>	Pemilik yang bekerja & pekerja keluarga tanpa gaji <i>Working proprietors &amp; unpaid family workers</i>			Sepenuh masa <i>Full-time</i>	
		(RM'000)	(RM'000)	(RM'000)				(RM'000)	(RM'000)		
<b>Jumlah Total</b>	<b>2,379</b>	<b>81,881,422</b>	<b>39,785,471</b>	<b>42,095,951</b>	<b>131,127</b>	<b>30</b>	<b>128,986</b>	<b>2,111</b>	<b>6,391,430</b>	<b>30,038,060</b>	
1	-	9	1,234	1,313,921	651,790	662,131	5,211	5,115	67	150,560	221,869
10	-	29	443	2,025,360	938,259	1,087,101	8,157	7,159	997	228,903	492,652
30	-	99	558	14,749,794	7,288,721	7,461,073	30,990	30,727	263	999,363	3,702,732
100	-	199	52	8,467,966	4,211,814	4,256,152	7,504	7,391	113	316,330	1,680,194
200	-	999	72	19,866,413	8,542,168	11,324,245	25,761	25,580	181	1,294,870	1,566,907
1,000	-	1,999	12	6,819,010	1,975,352	4,843,658	15,997	15,897	100	1,219,073	4,120,078
2,000	-	<b>dan lebih and above</b>	8	28,638,958	16,177,367	12,461,591	37,507	37,117	390	2,182,331	18,253,628

**Jadual A1.7 : Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut saiz harta tetap, 2010**

Table A1.7 : Principal statistics of information and communication services by fixed assets size, 2010

Saiz harta tetap Fixed assets size	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja atau pada tempoh Disember Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year			
								(RM'000)	(RM'000)	(RM'000)
<b>Jumlah Total</b>	<b>2,379</b>	<b>81,881,422</b>	<b>39,785,471</b>	<b>42,095,951</b>	<b>131,127</b>	<b>128,986</b>	<b>2,111</b>	<b>6,391,430</b>	<b>30,038,060</b>	
<b>Kurang daripada</b>	<b>20</b>	<b>1,090,688</b>	<b>423,108</b>	<b>667,580</b>	<b>3,095</b>	<b>21</b>	<b>3,060</b>	<b>14</b>	<b>184,806</b>	
<i>Below</i>										
20	- <	598	949,059	354,815	5,650	9	5,597	44	165,223	42,891
100	- <	765	10,550,205	6,373,936	4,176,269	17,877	16,867	1,010	657,455	197,545
500	- <	441	7,503,907	2,867,230	4,636,677	19,876	19,749	127	786,065	453,676
2,000	- <	258	29,022,369	14,376,380	14,645,989	33,196	32,671	525	1,648,266	1,245,986
10,000	- <	84	12,180,010	5,267,112	6,912,898	32,050	31,750	300	1,822,112	1,705,248
50,000	- <	13	3,008,348	954,859	2,053,489	6,623	6,582	41	399,345	915,703
150,000	<b>dan lebih</b> <i>and above</i>	9	17,576,836	9,168,031	8,408,805	12,760	12,710	50	728,158	25,474,735

**Jadual A1.8 : Bilangan pekerja dan gaji & upah dalam perkhidmatan maklumat dan komunikasi mengikut kategori pekerja, 2010**  
*Table A1.8 : Number of persons engaged and salaries & wages in information and communication services by category of workers, 2010*

Kategori pekerja <i>Category of workers</i>	Jumlah pekerja pada Disember atau pada tempoh gaji akhir <i>Total number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries &amp; wages paid</i> (RM'000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
<b>Jumlah <i>Total</i></b>	<b>131,127</b>	<b>81,665</b>	<b>49,462</b>	<b>6,391,430</b>
<b>Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji <i>Total working proprietors and unpaid family workers</i></b>	<b>30</b>	<b>28</b>	<b>2</b>	<b>-</b>
<b>Pemilik yang bekerja dan rakan niaga yang aktif <i>Working proprietors and active business partners</i></b>	<b>27</b>	<b>25</b>	<b>2</b>	<b>-</b>
<b>Pekerja keluarga tidak bergaji <i>Unpaid family workers</i></b>	<b>3</b>	<b>3</b>	<b>-</b>	<b>-</b>
<b>Jumlah pekerja bergaji (sepenuh masa) <i>Total employees (full-time)</i></b>	<b>128,986</b>	<b>80,279</b>	<b>48,707</b>	<b>6,375,230</b>
<b>Pengurusan, profesional dan eksekutif <i>Managerial, professional and executive</i></b>	<b>61,545</b>	<b>40,367</b>	<b>21,178</b>	<b>4,103,890</b>
<b>Teknikal dan penyeliaan <i>Technical and supervisory</i></b>	<b>35,542</b>	<b>25,825</b>	<b>9,717</b>	<b>1,347,830</b>
<b>Pekeranian dan pekerjaan yang berkaitan <i>Clerical and related occupations</i></b>	<b>22,637</b>	<b>8,984</b>	<b>13,653</b>	<b>733,667</b>
<b>Pekerja am <i>General workers</i></b>	<b>9,262</b>	<b>5,103</b>	<b>4,159</b>	<b>189,843</b>
<b>Jumlah pekerja bergaji (sambilan) <i>Total employees (part-time)</i></b>	<b>2,111</b>	<b>1,358</b>	<b>753</b>	<b>16,200</b>

**Jadual A1.9 : Perbelanjaan modal dan nilai harta tetap dalam perkhidmatan maklumat dan komunikasi, 2010**  
**Table A1.9 : Capital expenditure and value of fixed assets in information and communication, 2010**

Jenis perkhidmatan <i>Type of services</i>	Perbelanjaan modal <i>Capital expenditure</i>	Pelupusan <i>Disposal</i>	Susut nilai <i>Depreciation</i>	Nilai harta tetap yang dimiliki pada akhir tahun <i>Value of fixed assets owned as at the end of the year</i>
	(RM'000)	(RM'000)	(RM'000)	(RM'000)
<b>Jumlah</b> <i>Total</i>	<b>7,049,780</b>	<b>4,654,248</b>	<b>2,908,966</b>	<b>30,038,062</b>
<b>Penerbitan</b> <i>Publishing</i>	90,237	-	46,582	232,912
<b>Penerbitan wayang gambar, video dan program televisyen</b> <i>Motion picture, video and television programme</i>	149,558	-	48,473	427,176
<b>Pemrograman dan penyiaran</b> <i>Programming and broadcasting</i>	37,274	-	49,383	289,058
<b>Perkhidmatan telekomunikasi</b> <i>Telecommunications services</i>	6,356,575	4,648,264	2,403,159	26,322,647
<b>Perkhidmatan komputer</b> <i>Computer services</i>	289,250	5,949	277,458	2,164,780
<b>Perkhidmatan maklumat</b> <i>Information services</i>	126,886	35	83,911	601,489

**Jadual A1.10 : Perangkaan utama pertubuhan milikan wanita dalam perkhidmatan maklumat dan komunikasi mengikut industri, 2010**  
*Table A1.10 : Principal statistics of women-owned establishments in information and communication services by industry, 2010*

Jenis Type	Bilangan pertubuhan establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year			
								(RM'000)	(RM'000)	(RM'000)
					Jumlah Total	Pemilik yang bekerja without family Working proprietors & unpaid family workers	Pekerja bergaji Paid employees			
						Sepenuh masa Full-time	Part-time			
<b>Jumlah Total</b>	<b>184</b>	<b>814,857</b>	<b>424,357</b>	<b>390,500</b>	<b>3,205</b>	<b>9</b>	<b>3,085</b>	<b>111</b>	<b>97,144</b>	<b>129,435</b>
<b>Penerbitan Publishing</b>	11	49,740	32,894	16,846	221	-	213	8	4,366	12,488
<b>Penerbitan wayang gambar, video dan program televisyen Motion picture, video and television programme</b>	64	154,911	73,893	81,018	548	5	464	79	12,897	38,993
<b>Perkhidmatan telekomunikasi Telecommunications services</b>	15	112,736	46,293	66,443	498	-	498	-	20,651	9,334
<b>Perkhidmatan komputer Computer services</b>	84	453,539	239,679	213,860	1,827	4	1,799	24	56,238	62,159
<b>Perkhidmatan maklumat Information service</b>	10	43,931	31,598	12,333	111	-	111	-	2,992	6,461



**Jadual A1.11 : Perangkaan utama pertumbuhan milikan wanita dalam perkhidmatan maklumat dan komunikasi mengikut negeri, 2010**  
*Table A1.11 : Principal statistics of woman owned establishment information and communication services by state, 2010*

Negeri State	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
<b>Jumlah Total</b>	<b>184</b>	<b>814,857</b>	<b>424,357</b>	<b>390,500</b>	<b>3,205</b>	<b>9,111</b>	<b>129,435</b>
<b>Johor</b>	6	2,576	696	1,880	22	18	273
<b>Kedah</b>	3	1,776	824	952	24	21	332
<b>Kelantan Terengganu</b>	3	790	442	348	13	11	219
<b>Negeri Sembilan</b>	4	27,560	12,968	14,592	25	25	362
<b>Melaka Sarawak Sabah</b>	4	4,899	2,229	2,670	33	28	577
<b>Perak</b>	5	1,363	596	767	33	32	586
<b>Pulau Pinang</b>	5	6,739	3,167	3,572	49	29	493
<b>Selangor</b>	97	380,970	188,066	192,904	1,881	1,816	55,623
<b>W.P. Kuala Lumpur</b>	57	388,184	215,369	172,815	1,125	1,105	38,679



**BAHAGIAN A2**

**AKTIVITI  
PENERBITAN**

*PART A2*

*PUBLISHING  
ACTIVITIES*



**Jadual A2.1 : Perangkaan utama perkhidmatan penerbitan, 2009 - 2010**  
*Table A2.1 : Principal statistics of publishing services, 2009 - 2010*

Tahun Year	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year		
								(RM'000)	(RM'000)
		Pekerja bergaji Paid employees							
		Jumlah Total	Sepenuh masa Full-time	Sambilan Part-time					
2010	128	1,018,043	514,963	503,080	4,671	4,630	41	164,699	232,911
2009	63	741,735	470,047	271,688	4,246	4,154	92	135,478	97,013

**Jadual A2.2 : Perangkaan utama perkhidmatan penerbitan mengikut jenis, 2010**  
*Table A2.2 : Principal statistics of publishing services by type, 2010*

Jenis Type	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
<b>Jumlah Total</b>	<b>128</b>	<b>1,018,043</b>	<b>514,963</b>	<b>503,080</b>	<b>4,671</b>	<b>164,699</b>	<b>232,911</b>
<b>Penerbitan buku, brosur dan penerbitan lain</b> <i>Publishing of books, brochures and other publications</i>	102	793,672	379,371	414,301	3,994	141,983	183,306
<b>Penerbitan suratkhobar, jurnal, majalah dan penerbitan berkala dalam bentuk cetakan atau elektronik</b> <i>Publishing of newspapers, journals, magazines and periodicals in print or electronic form</i>	16	146,876	84,767	62,109	571	19,195	30,616
<b>Lain-lain penerbitan</b> <i>Others publishing</i>	10	77,495	50,825	26,670	106	3,521	18,989

**Jadual A2.3: Perangkaan utama perkhidmatan penerbitan mengikut negeri, 2010**

Table A2.3 : Principal statistics of publishing services by state, 2010

Negeri State	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Pekerja bergaji Paid employees		Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
						Sepenuh masa Full-time	Sambilan Part-time		
		(RM'000)	(RM'000)	(RM'000)	(RM'000)	(RM'000)	(RM'000)	(RM'000)	(RM'000)
<b>Jumlah</b>	<b>128</b>	<b>1,018,043</b>	<b>514,963</b>	<b>503,080</b>	<b>4,671</b>	<b>4,630</b>	<b>41</b>	<b>164,699</b>	<b>232,911</b>
<i>Total</i>									
<b>Selangor</b>	69	713,657	323,338	390,319	3,589	3,561	28	136,921	160,634
<b>W.P. Kuala Lumpur</b>	50	258,450	163,302	95,148	843	830	13	22,321	62,151
<b>Kelantan</b>	4	1,312	749	563	17	17	-	273	266
<b>Terengganu</b>									
<b>Lain-lain negeri</b>	5	44,624	27,574	17,050	222	222	-	5,184	9,860
<i>Other states</i>									

**Nota : Lain-lain negeri merujuk Johor, Pulau Pinang, Perak dan Sabah.**

*Note : Other states refer to Johor, Pulau Pinang, Perak and Sabah.*





**Jadual A2.5 : Perangkaan utama perkhidmatan penerbitan mengikut hak milik, 2010**  
*Table A2.5 : Principal statistics of publishing services by ownership, 2010*

Hak milik Ownership	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	Pekerja bergaji Paid employees	
								Sepenuh masa Full-time	Sambilan Part-time
		(RM'000)	(RM'000)	(RM'000)	Jumlah Total	(RM'000)	(RM'000)		
<b>Jumlah Total</b>	<b>128</b>	<b>1,018,043</b>	<b>514,963</b>	<b>503,080</b>	<b>4,671</b>	<b>164,699</b>	<b>232,911</b>	<b>4,630</b>	<b>41</b>
<b>Residen Malaysia Malaysian residents</b>	<b>128</b>	<b>1,018,043</b>	<b>514,963</b>	<b>503,080</b>	<b>4,671</b>	<b>164,699</b>	<b>232,911</b>	<b>4,630</b>	<b>41</b>

**Jadual A2.6 : Perangkaan utama perkhidmatan penerbitan mengikut saiz output, 2010**  
*Table A2.6 : Principal statistics of publishing services by output size, 2010*

Saiz output Output size	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Nilai Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Pekerja bergaji Paid employees		Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
						Jumlah Total	Sepenuh masa Full-time		
(RM'000)		(RM'000)	(RM'000)	(RM'000)	(RM'000)	(RM'000)	(RM'000)	(RM'000)	(RM'000)
<b>Jumlah Total</b>	<b>128</b>	<b>1,018,043</b>	<b>514,963</b>	<b>503,080</b>	<b>4,671</b>	<b>4,630</b>	<b>41</b>	<b>164,699</b>	<b>232,911</b>
<b>Kurang daripada Below</b>									
1,000	35	17,253	10,538	6,715	172	172	-	3,592	4,231
- < 5,000	56	135,901	77,146	58,755	823	818	5	18,841	32,384
5,000	19	137,364	84,192	53,172	609	601	8	13,781	32,319
10,000	6	104,628	67,161	37,467	449	449	-	11,407	25,238
20,000	6	132,720	78,145	54,575	388	380	8	9,547	32,073
30,000	3	131,715	78,225	53,490	341	341	-	12,623	28,646
50,000	3	358,462	119,556	238,906	1,889	1,869	20	94,908	78,020
<b>dan lebih and above</b>									

**Jadual A2.7 : Perangkaan utama perkhidmatan penerbitan mengikut saiz pekerja, 2010**  
*Table A2.7 : Principal statistics of publishing services by employment size, 2010*

Saiz pekerja <i>Employment size</i>	Bilangan pertubuhan <i>Number of establishments</i>	Nilai output kasar <i>Value of gross output</i>	Nilai input perantara <i>Value of intermediate input</i>	Nilai ditambah <i>Value added</i>	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Total number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries &amp; wages paid</i>	Nilai harta tetap yang dimiliki pada akhir tahun <i>Value of fixed assets owned as at the end of the year</i>
Jumlah Pekerja bergaji							
<i>Total Paid employees</i>							
Sempurnuh Sambilan							
<i>Full-time Part-time</i>							
Jumlah <i>Total</i>		1,018,043	514,963	503,080	4,671	164,699	232,911
1	9	77,979	49,160	28,819	261	6,805	18,836
10	29	293,701	186,345	107,356	716	18,947	71,405
30	99	179,194	102,651	76,543	1,063	26,936	40,804
100	199	176,892	85,480	91,412	632	20,768	42,806
200	3	290,277	91,327	198,950	1,999	91,243	59,060
	<b>dan lebih and above</b>				20		



**Jadual A2.9 : Bilangan pekerja dan gaji & upah dalam perkhidmatan penerbitan mengikut kategori pekerja, 2010**  
*Table A2.9 : Number of persons engaged and salaries & wages in publishing services by category of workers, 2010*

Kategori pekerja <i>Category of workers</i>	Jumlah pekerja pada Disember atau pada tempoh gaji akhir <i>Total number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries &amp; wages paid</i> (RM'000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
<b>Jumlah <i>Total</i></b>	<b>4,671</b>	<b>2,438</b>	<b>2,233</b>	<b>164,699</b>
<b>Jumlah pekerja bergaji (sepenuh masa)</b> <i>Total employees (full-time)</i>	<b>4,630</b>	<b>2,420</b>	<b>2,210</b>	<b>164,046</b>
<b>Pengurusan, profesional dan eksekutif</b> <i>Managerial, professional and executive</i>	1,841	891	950	110,888
<b>Teknikal dan penyeliaan</b> <i>Technical and supervisory</i>	1,173	822	351	24,155
<b>Pekeranian dan pekerjaan yang berkaitan</b> <i>Clerical and related occupations</i>	1,193	473	720	21,730
<b>Pekerja am</b> <i>General workers</i>	423	234	189	7,273
<b>Jumlah pekerja bergaji (sambilan)</b> <i>Total employees (part-time)</i>	<b>41</b>	<b>18</b>	<b>23</b>	<b>653</b>



# BAHAGIAN A3

## WAYANG GAMBAR, VIDEO DAN PROGRAM TELEVISYEN

### *PART A3*

### *MOTION PICTURE, VIDEO AND TELEVISION PROGRAMME SERVICES*





**Jadual A3.1 : Perangkaan utama perkhidmatan wayang gambar, video dan program televisyen mengikut jenis, 2010**  
*Table A3.1 : Principal statistics of motion picture, video and television programme services by type, 2010*

Jenis Type	Bilangan pertubuhan establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja atau pada tempoh gaji akhir or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
<b>Jumlah Total</b>	<b>323</b>	<b>1,897,113</b>	<b>841,107</b>	<b>1,056,006</b>	<b>8</b>	<b>117,524</b>	<b>427,176</b>
<b>Aktiviti pengeluaran wayang gambar, video dan program televisyen</b> <i>Motion picture, video and television programme production activities</i>	173	756,379	346,510	409,869	1	1,737	157
<b>Aktiviti pasca produksi wayang gambar, video dan program televisyen</b> <i>Motion picture, video and television programme post-production activities</i>	46	144,733	62,858	81,875	1	548	29,774
<b>Aktiviti pengedaran wayang gambar, video dan program televisyen</b> <i>Motion picture, video and television programme distribution activities</i>	16	38,239	17,667	20,572	-	107	7,700
<b>Aktiviti penayangan wayang gambar</b> <i>Motion picture projection activities</i>	22	715,352	296,809	418,543	-	895	209,100
<b>Aktiviti rakaman bunyi dan penerbitan muzik</b> <i>Sound recording and music publishing activities</i>	66	242,410	117,263	125,147	6	534	44,638

**Jadual A3.2 : Perangkaan utama wayang gambar, video dan program televisyen mengikut negeri, 2010**  
*Table A3.2 : Principal statistics of motion picture, video and television programme by state, 2010*

Negeri State	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	Jumlah Total		(RM'000)	(RM'000)	(RM'000)	(RM'000)
								Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Pekerja bergaji Paid employees				
<b>Jumlah Total</b>	<b>323</b>	<b>1,897,113</b>	<b>841,107</b>	<b>1,056,006</b>	<b>4,956</b>	<b>8</b>	<b>3,821</b>	<b>1,127</b>	<b>117,524</b>	<b>427,176</b>			
Selangor	143	866,619	412,516	454,103	3,075	-	2,053	1,022	64,344	181,298			
W.P. Kuala Lumpur*	138	894,494	356,394	538,100	1,436	-	1,399	37	46,159	209,627			
Sabah	10	40,336	20,898	19,438	159	-	138	21	1,962	17,539			
Pulau Pinang	8	23,217	12,187	11,030	78	2	57	19	1,216	9,085			
Negeri Sembilan	6	31,730	14,700	17,030	47	-	47	-	782	5,265			
Sarawak	4	5,555	2,711	2,844	40	-	40	-	1,059	1,062			
Johor	4	28,160	17,993	10,167	43	-	32	11	848	2,719			
Kelantan	3	360	189	171	10	4	6	-	104	45			
Lain-lain negeri Other states	7	6,642	3,519	3,123	68	2	49	17	1,050	536			

**Nota : Lain-lain negeri merujuk Kedah, Perak, Melaka dan Pahang**  
*Note : Other states refer to Kedah, Perak, Melaka dan Pahang*

\*- Termasuk W.P Putrajaya  
*Includes W.P Putrajaya*

Jadual A3.3 : Perangkaan utama wayang gambar, video dan program televisyen mengikut taraf sah, 2010  
 Table A3.3 : Principal statistics of motion picture, video and television programme by type of legal organization, 2010

Taraf sah Legal organisation	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year			
								(RM'000)	(RM'000)	(RM'000)
					Jumlah Total	Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Pekerja bergaji Paid employees			
						Sepenuh masa Full-time	Sambilan Part-time			
<b>Jumlah Total</b>	<b>323</b>	<b>1,897,113</b>	<b>841,107</b>	<b>1,056,006</b>	<b>4,956</b>	<b>8</b>	<b>3,821</b>	<b>1,127</b>	<b>117,524</b>	<b>427,176</b>
<b>Hak milik perseorangan Individual proprietorship</b>	7	2,789	1,387	1,402	36	5	31	-	557	461
<b>Perkongsian Partnership</b>	3	1,004	407	597	23	3	20	-	163	160
<b>Syarikat sendirian berhad Private limited company</b>	313	1,893,320	839,313	1,054,007	4,897	-	3,770	1,127	116,804	426,555

**Jadual A3.4 : Perangkaan utama wayang gambar, video dan program televisyen mengikut hak milik, 2010**  
*Table A3.4 : Principal statistics of motion picture, video and television programme by type of ownership, 2010*

Hak milik Ownership	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
		(RM'000)	(RM'000)	(RM'000)		(RM'000)	(RM'000)
<b>Jumlah Total</b>	<b>323</b>	<b>1,897,113</b>	<b>841,107</b>	<b>1,056,006</b>	<b>4,956</b>	<b>117,524</b>	<b>427,176</b>
					<b>8</b>	<b>1,127</b>	
<b>Residen Malaysia Malaysian residents</b>	320	1,755,900	776,263	979,637	4,803	112,932	401,951
<b>Bukan residen Malaysia Non-Malaysian residents</b>	3	141,213	64,844	76,369	153	4,592	25,225

**Jadual A3.5 : Perangkaan utama wayang gambar, video dan program televisyen mengikut saiz output, 2010**  
*Table A3.5 : Principal statistics of motion picture, video and television programme by output size, 2010*

Saiz output Output size	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	Jumlah Total			(RM'000)	(RM'000)	(RM'000)
								Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Pekerja bergaji Paid employees	Sepenuh masa Full-time			
<b>Jumlah Total</b>	<b>323</b>	<b>1,897,113</b>	<b>841,107</b>	<b>1,056,006</b>	<b>4,956</b>	<b>8</b>	<b>3,821</b>	<b>1,127</b>	<b>1,127</b>	<b>117,524</b>	<b>427,176</b>		
<b>Kurang daripada Below</b>													
500	73	19,621	9,243	10,378	267	8	251	8	8	3,842	3,724		
1,000	55	40,571	19,686	20,885	277	-	270	7	7	6,165	7,792		
5,000	129	301,774	139,905	161,869	1,189	-	1,107	82	82	32,649	66,886		
10,000	36	249,078	123,049	126,029	613	-	587	26	26	18,325	50,156		
15,000	8	95,326	46,448	48,878	226	-	191	35	35	4,769	30,283		
20,000	6	101,068	48,951	52,117	165	-	165	-	-	5,363	19,369		
25,000	5	113,926	54,679	59,247	202	-	160	42	42	5,122	22,423		
30,000	3	76,837	40,411	36,426	45	-	34	11	11	1,157	8,979		
dan lebih and above	3	115,220	61,941	53,279	957	-	170	787	787	7,145	26,847		
50,000	5	783,692	296,794	486,898	1,015	-	886	129	129	32,987	190,717		

**Jadual A3.6 : Perangkaan utama wayang gambar, video dan program televisyen mengikut saiz pekerja, 2010**  
**Table A3.6 : Principal statistics of motion picture, video and television programme by total employment size, 2010**

Saiz pekerja Employment size	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	Pekerja bergaji Paid employees				
								Jumlah Total	Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Sepenuh masa Full-time	Sambilan Part-time	
		(RM'000)	(RM'000)	(RM'000)		(RM'000)	(RM'000)					
<b>Jumlah Total</b>	<b>323</b>	<b>1,897,113</b>	<b>841,107</b>	<b>1,056,006</b>	<b>4,956</b>	<b>117,524</b>	<b>427,176</b>	<b>8</b>	<b>3,821</b>	<b>1,127</b>	<b>117,524</b>	<b>427,176</b>
1	9	349,368	160,962	188,406	947	27,153	63,248	7	928	12	27,153	63,248
10	29	493,526	241,770	251,756	1,305	35,421	106,508	1	1,198	106	35,421	106,508
30	199	464,541	223,718	240,823	1,095	24,772	92,480	-	972	123	24,772	92,480
200	3	589,678	214,657	375,021	1,609	30,178	164,940	-	723	886	30,178	164,940
	<b>dan lebih and above</b>											

**Jadual A3.7 : Perangkaan utama wayang gambar, video dan program televisyen mengikut saiz harta tetap, 2010**  
*Table A3.7 : Principal statistics of motion picture, video and television programme by fixed assets size, 2010*

Saiz harta tetap <i>Fixed assets size</i>	Bilangan pertubuhan <i>Number of establishments</i>	Nilai output kasar <i>Value of gross output</i>	Nilai input perantaraan <i>Value of intermediate input</i>	Nilai ditambah <i>Value added</i>	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Total number of persons engaged during December or the last pay period</i>		Gaji & upah yang dibayar <i>Salaries &amp; wages paid</i>	Nilai harta tetap yang dimiliki pada akhir tahun <i>Value of fixed assets owned as at the end of the year</i>
					Jumlah Total <i>Total</i>	Pemilik yang bekerja & pekerja keluarga tanpa gaji <i>Working proprietors &amp; unpaid family workers</i>		
(RM'000)		(RM'000)	(RM'000)	(RM'000)			(RM'000)	(RM'000)
<b>Jumlah Total</b>	<b>323</b>	<b>1,897,113</b>	<b>841,107</b>	<b>1,056,006</b>	<b>8</b>	<b>3,821</b>	<b>1,127</b>	<b>427,176</b>
<b>Kurang daripada Below</b>								
20	20	3,088	1,364	1,724	5	38	5	217
- <	100	29,703	14,972	14,731	3	220	16	3,852
100	500	213,559	105,436	108,123	-	929	38	33,491
- <	2,000	406,519	198,715	207,804	-	1,077	49	70,362
2,000	10,000	417,106	201,632	215,474	-	582	133	113,083
- <	<b>dan lebih and above</b>	<b>827,138</b>	<b>318,988</b>	<b>508,150</b>	<b>-</b>	<b>975</b>	<b>886</b>	<b>206,171</b>

**Jadual A3.8 : Bilangan pekerja dan gaji & upah mengikut kategori pekerja di perkhidmatan wayang gambar, video dan program televisyen 2010**  
**Table A3.8 : Number of persons engaged and salaries & wages in by category of workers in motion picture, video and television programme services, 2010**

Kategori pekerja Category of workers	Jumlah pekerja pada Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period			Gaji & upah yang dibayar Salaries & wages paid (RM'000)
	Jumlah Total	Lelaki Male	Perempuan Female	
<b>Jumlah Total</b>	<b>4,956</b>	<b>2,870</b>	<b>2,086</b>	<b>117,524</b>
<b>Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji Total working proprietors and unpaid family workers</b>	<b>8</b>	<b>7</b>	<b>1</b>	<b>-</b>
<b>Pemilik yang bekerja dan rakan niaga yang aktif Working proprietors and active business partners</b>	<b>8</b>	<b>7</b>	<b>1</b>	<b>-</b>
<b>Pekerja keluarga tidak bergaji Unpaid family workers</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Jumlah pekerja bergaji (sepenuh masa) Total employees (full-time)</b>	<b>3,821</b>	<b>2,170</b>	<b>1,651</b>	<b>110,793</b>
<b>Pengurusan, profesional dan eksekutif Managerial, professional and executive</b>	<b>1,479</b>	<b>857</b>	<b>622</b>	<b>59,942</b>
<b>Teknikal dan penyeliaan Technical and supervisory</b>	<b>814</b>	<b>548</b>	<b>266</b>	<b>22,040</b>
<b>Pekeranian dan pekerjaan yang berkaitan Clerical and related occupations</b>	<b>849</b>	<b>385</b>	<b>464</b>	<b>17,745</b>
<b>Pekerja am General workers</b>	<b>679</b>	<b>380</b>	<b>299</b>	<b>11,065</b>
<b>Jumlah pekerja bergaji (sambilan) Total employees (part-time)</b>	<b>1,127</b>	<b>693</b>	<b>434</b>	<b>6,732</b>



**BAHAGIAN A4**

**AKTIVITI  
PEMPROGRAMAN DAN  
PENYIARAN**

*PART A4*

*PROGRAMMING AND  
BROADCASTING ACTIVITIES*



**Jadual A4.1 : Perangkaan utama perkhidmatan pemrograman dan penyiaran, 2000 - 2010**  
*Table A4.1 : Principal statistics of programming and broadcasting services, 2000 - 2010*

Tahun Year	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year		
								(RM'000)	(RM'000)
					Jumlah Total	Pekerja bergaji Paid employees			
						Sepenuh masa Full-time	Sambilan Part-time		
2010	15	995,031	469,760	525,271	2,290	2,272	18	140,735	289,058
2009	15	954,653	475,210	479,443	2,245	2,230	15	128,507	264,944
2008	15	913,275	465,657	447,618	2,103	2,084	19	118,482	243,195
2007	13	890,473	463,385	427,088	1,786	1,764	22	107,133	237,989
2006	13	807,500	388,088	419,412	1,717	1,700	17	103,676	240,909
2005	12	779,121	391,391	387,730	1,631	1,619	12	98,489	292,432
2004	12	727,682	370,968	356,714	1,667	1,654	13	91,436	260,405
2003	8	579,900	323,937	255,963	1,095	1,082	13	65,791	281,570
2002	9	574,205	319,440	254,765	1,081	1,057	24	66,146	236,262
2001	7	559,341	290,022	269,319	1,023	992	31	60,893	243,515
2000	8	461,086	267,813	193,273	1,414	1,390	24	64,602	174,259















**Jadual A4.8 : Bilangan pekerja dan gaji & upah dalam perkhidmatan pemrograman dan penyiaran mengikut kategori pekerja, 2010**  
*Table A4.8 : Number of persons engaged and salaries & wages in programming and broadcasting services by category of workers, 2010*

Kategori pekerja <i>Category of workers</i>	Jumlah pekerja pada Disember atau pada tempoh gaji akhir <i>Total number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries &amp; wages paid</i> (RM'000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
<b>Jumlah <i>Total</i></b>	<b>2,290</b>	<b>1,555</b>	<b>735</b>	<b>140,735</b>
<b>Jumlah pekerja bergaji (sepenuh masa) <i>Total employees (full-time)</i></b>	<b>2,272</b>	<b>1,537</b>	<b>735</b>	<b>140,195</b>
<b>Pengurusan, profesional dan eksekutif <i>Managerial, professional and executive</i></b>	1,320	984	336	118,169
<b>Teknikal dan penyeliaan <i>Technical and supervisory</i></b>	259	172	87	9,829
<b>Pekeranian dan pekerjaan yang berkaitan <i>Clerical and related occupations</i></b>	602	340	262	10,755
<b>Pekerja am <i>General workers</i></b>	91	41	50	1,442
<b>Jumlah pekerja bergaji (sambilan) <i>Total employees (part-time)</i></b>	<b>18</b>	<b>18</b>	<b>-</b>	<b>540</b>

**BAHAGIAN A5**

**PERKHIDMATAN  
TELEKOMUNIKASI**

*PART A5*

*TELECOMMUNICATION  
SERVICES*



**Jadual A5.1 : Perangkaan utama perkhidmatan telekomunikasi, 2000 - 2010**  
*Table A5.1 : Principal statistics of telecommunication services, 2000 - 2010*

Tahun Year	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Pekerja bergaji Paid employees		Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
						Sepenuh masa Full-time	Sambilan Part-time		
		(RM'000)	(RM'000)	(RM'000)	Jumlah Total			(RM'000)	(RM'000)
2010	342	56,441,552	28,294,641	28,146,911	44,458	44,278	180	2,368,560	26,322,647
2009	168	41,532,019	18,619,641	22,912,378	40,146	39,988	158	2,241,733	25,108,996
2008	140	40,803,819	18,147,847	22,655,972	40,133	40,008	125	2,201,388	24,917,975
2007	139	37,190,141	17,657,705	19,532,436	40,126	39,944	182	2,152,325	23,946,450
2006	124	35,515,691	16,262,908	19,252,783	40,087	40,014	73	2,061,341	23,966,596
2005	98	32,104,585	15,752,236	16,352,349	38,165	38,078	87	1,540,813	28,012,250
2004	57	23,955,114	11,181,413	12,773,701	36,573	36,425	148	1,609,926	28,126,376
2003	39	21,046,818	8,678,301	12,368,517	34,825	34,716	109	1,441,855	29,536,002
2002	41	20,720,068	8,458,606	12,261,462	34,392	34,364	28	1,358,718	31,269,941
2001	32	18,418,273	7,602,294	10,815,979	34,262	34,155	107	1,354,778	28,747,630
2000	30	16,300,774	5,965,518	10,335,256	33,977	33,829	148	1,232,428	28,007,025

**Jadual A5.2 : Perangkaan utama perkhidmatan telekomunikasi mengikut jenis, 2010**  
*Table A5.2 : Principal statistics of telecommunication services by type, 2010*

Jenis Type	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year		
								(RM'000)	(RM'000)
		Jumlah Total		Pekerja bergaji Paid employees					
				Sepenuh masa Full-time		Sambilan Part-time			
<b>Jumlah Total</b>	<b>342</b>	<b>56,441,552</b>	<b>28,294,641</b>	<b>28,146,911</b>	<b>44,458</b>	<b>44,278</b>	<b>180</b>	<b>2,368,560</b>	<b>26,322,647</b>
<b>Aktiviti telekomunikasi (berwayar, tanpa wayar dan satelit) Telecommunication activities (wired, wireless and satellite)</b>	201	47,081,389	25,046,558	22,034,831	35,163	34,983	180	1,881,754	24,818,759
<b>Penyediaan akses internet melalui rangkaiannya di antara pelanggan dan ISP yang bukan dimiliki atau dikawal oleh ISP (termasuk penyediaan perkhidmatan telekomunikasi melalui sambungan telekom VOIP sedia ada) Provision of Internet access over networks between the client and the ISP not owned or controlled by the ISP (including provision of telecommunication services over existing telecom connections VOIP provision)</b>	35	1,640,038	620,901	1,019,137	3,806	3,806	-	150,497	1,299,218
<b>Aktiviti telekomunikasi lain Other telecommunication activities</b>	106	7,720,125	2,627,182	5,092,943	5,489	5,489	-	336,309	204,670



**Jadual A5.4 : Perangkaan utama perkhidmatan telekomunikasi mengikut hak milik, 2010**  
*Table A5.4 : Principal statistics of telecommunication services by ownership, 2010*

Hak milik Ownership	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year		
								(RM'000)	(RM'000)
				Pekerja bergaji Paid employees					
				Jumlah Total					
				Sepenuh masa Full-time		Sambilan Part-time			
<b>Jumlah Total</b>	<b>342</b>	<b>56,441,552</b>	<b>28,294,641</b>	<b>28,146,911</b>	<b>44,458</b>	<b>44,278</b>	<b>180</b>	<b>2,368,560</b>	<b>26,322,647</b>
<b>Residen Malaysia Malaysian residents</b>	336	55,664,414	27,877,171	27,787,243	43,791	43,611	180	2,348,875	26,316,526
<b>Bukan residen Malaysia Non-Malaysian residents</b>	6	777,138	417,470	359,668	667	667	-	19,685	6,121





**Jadual A5.6 : Perangkaan utama perkhidmatan telekomunikasi mengikut saiz pekerja, 2010**  
*Table A5.6 : Principal statistics of telecommunication services by employment size, 2010*

Saiz pekerja Employment size	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	Pekerja bergaji Paid employees		(RM'000)	(RM'000)	(RM'000)
								Sepenuh masa Full-time	Sambilan Part-time			
<b>Jumlah Total</b>	<b>342</b>	<b>56,441,552</b>	<b>28,294,641</b>	<b>28,146,911</b>	<b>44,458</b>	<b>44,278</b>	<b>180</b>	<b>2,368,560</b>	<b>26,322,647</b>			
1	-	19	167	270,258	111,758	158,500	1,072	1,072	-	40,155	28,612	
20	-	29	17	54,193	18,303	35,890	394	394	-	13,003	7,239	
30	-	49	7	22,448	7,311	15,137	244	244	-	6,767	1,313	
50	-	99	108	5,539,450	2,541,335	2,998,115	6,041	6,041	-	189,734	2,328,541	
100	-	199	12	6,332,082	3,056,579	3,275,503	1,745	1,695	50	81,680	1,352,775	
200	-	499	15	4,993,205	1,988,728	3,004,477	4,849	4,819	30	259,941	116,186	
500	-	999	8	10,208,216	4,245,133	5,963,083	5,731	5,731	-	349,225	695,472	
1,000	-	1,999	5	4,277,146	1,233,711	3,043,435	7,300	7,250	50	563,536	3,665,510	
2,000		<b>dan lebih and above</b>	3	24,744,554	15,091,783	9,652,771	17,082	17,032	50	864,519	18,126,999	



**Jadual A5.8 : Bilangan pekerja dan gaji & upah dalam perkhidmatan telekomunikasi mengikut kategori pekerja, 2010**  
*Table A5.8 : Number of persons engaged and salaries & wages in telecommunication services by category of workers, 2010*

Kategori pekerja <i>Category of workers</i>	Jumlah pekerja pada Disember atau pada tempoh gaji akhir <i>Total number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries &amp; wages paid</i> (RM'000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
<b>Jumlah <i>Total</i></b>	<b>44,458</b>	<b>32,495</b>	<b>11,963</b>	<b>2,368,560</b>
<b>Jumlah pekerja bergaji (sepenuh masa) <i>Total employees (full-time)</i></b>	<b>44,278</b>	<b>32,315</b>	<b>11,963</b>	<b>2,366,832</b>
<b>Pengurusan, profesional dan eksekutif <i>Managerial, professional and executive</i></b>	21,013	15,723	5,290	1,555,796
<b>Teknikal dan penyeliaan <i>Technical and supervisory</i></b>	12,249	10,660	1,589	401,188
<b>Pekeranian dan pekerjaan yang berkaitan <i>Clerical and related occupations</i></b>	8,435	4,257	4,178	370,712
<b>Pekerja am <i>General workers</i></b>	2,581	1,675	906	39,136
<b>Jumlah pekerja bergaji (sambilan) <i>Total employees (part-time)</i></b>	<b>180</b>	<b>180</b>	<b>-</b>	<b>1,728</b>

**BAHAGIAN A6**

**PERKHIDMATAN  
KOMPUTER**

*PART A6*

*COMPUTER  
SERVICES*



**Jadual A6.1 : Perangkaan utama perkhidmatan komputer, 2000 - 2010**  
**Table A6.1 : Principal statistics of computer services, 2000 - 2010**

Tahun Year	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	Pekerja bergaji Paid employees			(RM'000)	(RM'000)	(RM'000)
								Jumlah Total	Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Sepenuh masa Full-time			
2010	1,366	17,785,128	8,422,108	9,363,020	61,468	16	60,821	631	3,020,583	2,164,780			
2009	979	13,917,228	7,420,872	6,496,356	43,826	10	43,080	736	2,648,813	1,899,257			
2008	966	12,473,030	7,304,914	5,168,116	41,174	11	40,572	591	2,534,017	1,881,910			
2007	940	10,607,004	6,834,117	3,772,887	36,886	14	36,500	372	2,045,253	1,552,750			
2006	822	8,437,060	5,311,869	3,125,191	28,759	29	28,464	266	1,694,517	1,033,173			
2005	749	7,382,384	4,664,325	2,718,059	25,238	23	24,828	387	1,466,128	1,126,043			
2004	488	5,355,998	3,299,650	2,056,348	19,177	15	19,016	146	1,136,272	748,209			
2003	353	5,705,770	3,789,466	1,916,304	17,579	11	17,467	101	1,049,049	658,687			
2002	349	5,601,568	4,188,680	1,412,888	14,982	10	14,853	119	736,780	597,182			
2001	213	3,363,265	2,105,608	1,257,657	10,993	1	10,901	91	605,501	491,635			
2000	190	2,340,936	1,472,178	868,758	9,226	7	9,083	136	462,383	267,685			

**Jadual A6.2 : Perangkaan utama perkhidmatan komputer mengikut jenis, 2010**  
*Table A6.2 : Principal statistics of computer services by type, 2010*

Jenis Type	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year			
								(RM'000)	(RM'000)	(RM'000)
					Jumlah Total	Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Pekerja bergaji Paid employees			
							Sepenuh masa Full-time			
							Part-time			
<b>Jumlah Total</b>	<b>1,366</b>	<b>17,785,128</b>	<b>8,422,108</b>	<b>9,363,020</b>	<b>61,468</b>	<b>16</b>	<b>60,821</b>	<b>631</b>	<b>3,020,583</b>	<b>2,164,780</b>
<b>Aktiviti pengaturcaraan komputer</b> <i>Computer programming activities</i>	515	4,918,510	2,580,577	2,337,933	13,332	10	13,194	128	462,107	696,374
<b>Perkhidmatan perundingan komputer</b> <i>Computer consultancy services</i>	467	6,233,585	2,879,650	3,353,935	22,946	4	22,779	163	1,151,827	714,970
<b>Aktiviti pengurusan kemudahan komputer</b> <i>Computer facilities management activities</i>	223	5,822,355	2,561,395	3,260,960	22,349	2	22,035	312	1,331,529	569,713
<b>Aktiviti perkhidmatan teknologi maklumat lain</b> <i>Other information technology service activities</i>	161	810,678	400,486	410,192	2,841	-	2,813	28	75,120	183,723



**Jadual A6.3 : Perangkaan utama perkhidmatan komputer mengikut negeri, 2010**  
**Table A6.3 : Principal statistics of computer services by state, 2010**

Negeri State	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Pekerja bergaji Paid employees	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	
										(RM'000)
<b>Jumlah Total</b>	<b>1,366</b>	<b>17,785,128</b>	<b>8,422,108</b>	<b>9,363,020</b>	<b>61,468</b>	<b>16</b>	<b>60,821</b>	<b>631</b>	<b>3,020,583</b>	<b>2,164,780</b>
Johor	33	85,695	39,464	46,231	373	3	362	8	9,881	11,135
Kedah	8	15,433	5,824	9,609	110	-	107	3	2,665	3,054
Kelantan	4	1,257	572	685	18	-	18	-	323	140
Melaka	9	18,332	9,178	9,154	163	-	139	24	3,767	2,177
Negeri Sembilan	4	4,815	1,859	2,956	34	-	34	-	854	648
Perak	8	11,727	5,893	5,834	68	1	64	3	1,189	77,771
Pulau Pinang	40	199,522	98,006	101,516	813	-	809	4	26,271	27,758
Terengganu	4	13,742	7,754	5,988	90	-	79	11	1,296	1,339
Sarawak	10	132,670	66,454	66,216	235	1	232	2	5,679	17,083
Selangor	682	6,928,720	3,292,584	3,636,136	25,148	9	24,863	276	1,186,555	801,289
W.P. Kuala Lumpur	561	10,362,585	4,887,737	5,474,848	34,356	2	34,054	300	1,780,314	1,219,879
Lain-lain negeri Other states	3	10,630	6,783	3,847	60	-	60	-	1,789	2,507

**Nota : Lain-lain negeri merujuk Pahang dan Sabah**  
**Note : Other states refer to Pahang dan Sabah**

**Jadual A6.4 : Perangkaan utama perkhidmatan komputer mengikut taraf sah, 2010**  
*Table A6.4 : Principal statistics of computer services by legal organisation, 2010*

Taraf sah <i>Legal organisation</i>	Bilangan pertubuhan <i>Number of establishments</i>	Nilai output kasar <i>Value of gross output</i>	Nilai input perantara <i>Value of intermediate input</i>	Nilai ditambah <i>Value added</i>	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Total number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries &amp; wages paid</i>	Nilai harta tetap yang dimiliki pada akhir tahun <i>Value of fixed assets owned as at the end of the year</i>			
								(RM'000)	(RM'000)	(RM'000)
					Jumlah <i>Total</i>	Pemilik yang bekerja & pekerja keluarga tanpa gaji <i>Working proprietors &amp; masa unpaid family workers</i>	Pekerja bergaji <i>Paid employees</i>			
						Sepenuh <i>Full-time</i>	Sambilan <i>Part-time</i>			
<b>Jumlah Total</b>	<b>1,366</b>	<b>17,785,128</b>	<b>8,422,108</b>	<b>9,363,020</b>	<b>61,468</b>	<b>16</b>	<b>60,821</b>	<b>631</b>	<b>3,020,583</b>	<b>2,164,780</b>
<b>Hak milik perseorangan Individual proprietorship</b>	129	202,265	106,966	95,299	910	14	886	10	28,208	26,459
<b>Perkongsian Partnership</b>	53	72,791	36,551	36,240	482	2	460	20	12,740	8,572
<b>Syarikat sendirian berhad Private limited company</b>	1,168	17,326,507	8,181,987	9,144,520	59,306	-	58,705	601	2,956,810	2,092,203
<b>Syarikat awam berhad Public limited company</b>	16	183,565	96,604	86,961	770	-	770	-	22,825	37,546

Jadual A6.5 : Perangkaan utama perkhidmatan komputer mengikut hak milik, 2010  
Table A6.5 : Principal statistics of computer services by ownership, 2010

Hak milik Ownership	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	Pekerja bergaji Paid employees				
								Jumlah Total	Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Sepenuh masa Full-time	Part-time	
		(RM'000)	(RM'000)	(RM'000)		(RM'000)	(RM'000)					
<b>Jumlah Total</b>	<b>1,366</b>	<b>17,785,128</b>	<b>8,422,108</b>	<b>9,363,020</b>	<b>16</b>	<b>3,020,583</b>	<b>2,164,780</b>	<b>60,821</b>	<b>631</b>	<b>499</b>	<b>601,096</b>	<b>1,914,085</b>
<b>Residen Malaysia Malaysian residents</b>	1,288	15,145,046	7,286,558	7,858,488	16	2,389,135	1,914,085	48,596	499	499	601,096	1,914,085
<b>Bukan residen Malaysia Non-Malaysian residents</b>	70	2,371,347	1,012,731	1,358,616	-	601,096	215,023	11,460	132	132	601,096	215,023
<b>Milik bersama residen &amp; bukan residen Malaysia Joint-Malaysian &amp; Non-Malaysia Resident</b>	8	268,735	122,819	145,916	-	30,352	35,672	765	-	765	30,352	35,672

**Jadual A6.6 : Perangkaan utama perkhidmatan komputer mengikut saiz output, 2010**  
*Table A6.6 : Principal statistics of computer services by output size, 2010*

Saiz output Output size	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period		Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year		
					Jumlah Total	Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers			Pekerja bergaji Paid employees	Sambilan Part-time
<b>(RM'000)</b>		<b>(RM'000)</b>	<b>(RM'000)</b>	<b>(RM'000)</b>			<b>(RM'000)</b>	<b>(RM'000)</b>		
<b>Jumlah Total</b>	<b>1,366</b>	<b>17,785,128</b>	<b>8,422,108</b>	<b>9,363,020</b>	<b>61,468</b>	<b>16</b>	<b>60,821</b>	<b>631</b>	<b>3,020,583</b>	<b>2,164,780</b>
<b>Kurang daripada Below</b>										
1,000 - <	524	241,126	118,410	122,716	2,177	16	2,130	31	51,989	38,966
5,000 - <	426	980,995	485,767	495,228	5,193	-	5,044	149	163,835	212,074
10,000 - <	146	1,003,551	437,566	565,985	8,138	-	8,060	78	227,457	133,523
15,000 - <	60	734,687	387,764	346,923	3,375	-	3,374	1	110,014	100,384
20,000 - <	31	525,780	265,521	260,259	2,324	-	2,318	6	65,284	68,171
25,000 - <	24	541,243	283,264	257,979	1,628	-	1,617	11	56,568	66,760
30,000 - <	22	604,560	314,187	290,373	1,916	-	1,911	5	72,514	84,307
50,000 - <	60	2,232,633	1,219,946	1,012,687	5,383	-	5,382	1	180,061	321,079
100,000 - <	38	2,522,985	1,277,640	1,245,345	5,047	-	5,028	19	219,970	338,346
150,000 - <	15	1,826,398	995,105	831,293	3,500	-	3,500	-	161,684	239,762
200,000 - <	7	1,230,137	645,684	584,453	2,161	-	2,161	-	144,174	173,057
<b>dan lebih and above</b>	<b>13</b>	<b>5,341,033</b>	<b>1,991,254</b>	<b>3,349,779</b>	<b>20,626</b>	<b>-</b>	<b>20,296</b>	<b>330</b>	<b>1,567,033</b>	<b>388,351</b>

Jadual A6.7 : Perangkaan utama perkhidmatan komputer mengikut saiz pekerja, 2010  
Table A6.7 : Principal statistics of computer services by employment size, 2010

Saiz pekerja Employment size	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Jumlah Total			Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
						Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Pekerja bergaji Paid employees	Sepenuh masa Full-time		
		(RM'000)	(RM'000)	(RM'000)					(RM'000)	(RM'000)
<b>Jumlah Total</b>	<b>1,366</b>	<b>17,785,128</b>	<b>8,422,108</b>	<b>9,363,020</b>	<b>61,468</b>	<b>16</b>	<b>60,821</b>	<b>631</b>	<b>3,020,583</b>	<b>2,164,780</b>
1	-	633,623	325,882	307,741	3,015	16	2,955	44	84,701	92,607
10	29	521,384	253,475	267,909	3,526	-	3,437	89	110,088	150,246
30	49	320,515	156,042	164,473	1,637	-	1,634	3	50,506	44,326
50	99	7,118,220	3,662,798	3,455,422	18,671	-	18,525	146	619,446	961,769
100	199	1,460,573	793,438	667,135	3,724	-	3,705	19	161,022	184,746
200	499	3,478,992	1,693,619	1,785,373	10,195	-	10,195	-	433,742	499,058
500	<b>dan lebih and above</b>	4,251,821	1,536,854	2,714,967	20,700	-	20,370	330	1,561,078	232,028



**Jadual A6.9 : Bilangan pekerja dan gaji & upah dalam perkhidmatan komputer mengikut kategori pekerja, 2010**  
**Table A6.9 : Number of persons engaged and salaries & wages in computer services by category of workers, 2010**

Kategori pekerja Category of workers	Jumlah pekerja pada Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period			Gaji & upah yang dibayar Salaries & wages paid (RM'000)
	Jumlah Total	Lelaki Male	Perempuan Female	
<b>Jumlah Total</b>	<b>61,468</b>	<b>34,855</b>	<b>26,613</b>	<b>3,020,583</b>
<b>Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji Total working proprietors and unpaid family workers</b>	<b>16</b>	<b>15</b>	<b>1</b>	<b>-</b>
<b>Pemilik yang bekerja dan rakan niaga yang aktif Working proprietors and active business partners</b>	<b>16</b>	<b>15</b>	<b>1</b>	<b>-</b>
<b>Pekerja keluarga tidak bergaji Unpaid family workers</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Jumlah pekerja bergaji (sepenuh masa) Total employees (full-time)</b>	<b>60,821</b>	<b>34,489</b>	<b>26,332</b>	<b>3,014,871</b>
<b>Pengurusan, profesional dan eksekutif Managerial, professional and executive</b>	<b>27,051</b>	<b>17,375</b>	<b>9,676</b>	<b>1,869,815</b>
<b>Teknikal dan penyeliaan Technical and supervisory</b>	<b>18,869</b>	<b>12,012</b>	<b>6,857</b>	<b>769,812</b>
<b>Pekeranian dan pekerjaan yang berkaitan Clerical and related occupations</b>	<b>9,809</b>	<b>2,588</b>	<b>7,221</b>	<b>257,024</b>
<b>Pekerja am General workers</b>	<b>5,092</b>	<b>2,514</b>	<b>2,578</b>	<b>118,220</b>
<b>Jumlah pekerja bergaji (sambilan) Total employees (part-time)</b>	<b>631</b>	<b>351</b>	<b>280</b>	<b>5,712</b>





**BAHAGIAN A7**

**AKTIVITI PERKHIDMATAN  
MAKLUMAT**

*PART A7*

*INFORMATION  
SERVICES ACTIVITIES*





**Jadual A7.2 : Perangkaan utama perkhidmatan aktiviti maklumat mengikut jenis, 2010**  
*Table A7.2 : Principal statistics of information services by type, 2010*

Jenis Type	Bilangan pertubuhan establishments	Nilai output kasar Value of gross output	Nilai input perantaraan intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Jumlah Pekerja bergaji Paid employees		Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	
						Jumlah Total	Pemilik yang bekerja tanpa gaji Working proprietors & unpaid family workers			
		(RM'000)	(RM'000)	(RM'000)				(RM'000)	(RM'000)	
<b>Jumlah</b>	<b>205</b>	<b>3,744,555</b>	<b>1,242,892</b>	<b>2,501,663</b>	<b>13,284</b>	<b>6</b>	<b>13,164</b>	<b>114</b>	<b>579,329</b>	<b>601,488</b>
<i>Total</i>										
<b>Aktiviti penyediaan infrastruktur untuk hosting, perkhidmatan prosesan data dan aktiviti yang berkaitan</b> <i>Activities of providing infrastructure for hosting, data processing services and related activities</i>	124	1,889,191	604,897	1,284,294	4,990	4	4,917	69	273,318	385,092
<b>Aktiviti prosesan data</b> <i>Data processing activities</i>	52	927,372	301,870	625,502	4,109	-	4,087	22	216,616	122,802
<b>Web portal</b> <i>Web portals</i>	23	866,669	294,358	572,311	4,011	2	3,986	23	84,201	85,911
<b>Aktiviti perkhidmatan maklumat lain</b> <i>Other information service activities</i>	6	61,323	41,767	19,556	174	-	174	-	5,194	7,683

**Jadual A7.3 : Perangkaan utama perkhidmatan maklumat mengikut negeri, 2010**  
*Table A7.3 : Principal statistics of information services by state, 2010*

Negeri State	Bilangan pertubuhan establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Jumlah Total		Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	
						Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Pekerja bergaji Paid employees Sepenuh masa Part-time			
		(RM'000)	(RM'000)	(RM'000)				(RM'000)	(RM'000)	
<b>Jumlah Total</b>	<b>205</b>	<b>3,744,555</b>	<b>1,242,892</b>	<b>2,501,663</b>	<b>13,284</b>	<b>6</b>	<b>13,164</b>	<b>114</b>	<b>579,329</b>	<b>601,488</b>
<b>Selangor</b>	101	2,795,634	660,650	2,134,984	10,609	5	10,499	105	468,193	375,902
<b>W.P. Kuala Lumpur</b>	88	913,169	573,677	339,492	2,390	-	2,383	7	105,047	206,200
<b>Johor</b>	5	27,161	6,708	20,453	204	1	203	-	4,132	15,854
<b>Perak</b>	4	3,729	793	2,936	42	-	41	1	688	1,655
<b>Pulau Pinang</b>	3	3,946	741	3,205	24	-	24	-	960	1,510
<b>Lain-lain negeri Other states</b>	4	916	323	593	15	-	14	1	309	367

**Nota : Lain-lain negeri merujuk Melaka , Negeri Sembilan dan Sabah**  
*Note : Other states refer to Melaka, Negeri Sembilan dan Sabah*



**Jadual A7.5 : Perangkaan utama perkhidmatan maklumat mengikut hak milik, 2010**  
*Table A7.5 : Principal statistics of information services by ownership, 2010*

Hak milik Ownership	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year	Jumlah				
								Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Pekerja bergaji Paid employees	Sepenuh masa Full-time	Part-time	
		(RM'000)	(RM'000)	(RM'000)		(RM'000)	(RM'000)					(RM'000)
<b>Jumlah Total</b>	<b>205</b>	<b>3,744,555</b>	<b>1,242,892</b>	<b>2,501,663</b>	<b>13,284</b>	<b>6</b>	<b>13,164</b>	<b>114</b>	<b>579,329</b>	<b>601,488</b>		
<b>Residen Malaysia Malaysian residents</b>	199	2,408,847	896,005	1,512,842	9,088	6	9,008	74	271,829	494,011		
<b>Bukan residen Malaysia Non-Malaysian residents</b>	6	1,335,708	346,887	988,821	4,196	-	4,156	40	307,500	107,477		

**Jadual A7.6 : Perangkaan utama perkhidmatan maklumat mengikut saiz output, 2010**  
*Table A7.6 : Principal statistics of information services by output size, 2010*

Saiz output Output size	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah Total	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir Total number of persons engaged during December or the last pay period		Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap yang dimiliki pada akhir tahun Value of fixed assets owned as at the end of the year
						Pemilik yang bekerja & pekerja keluarga tanpa gaji Working proprietors & unpaid family workers	Pekerja bergaji Sepenuh masa Full-time		
(RM'000)		(RM'000)	(RM'000)	(RM'000)		(RM'000)	(RM'000)	(RM'000)	(RM'000)
<b>Jumlah Total</b>	<b>205</b>	<b>3,744,555</b>	<b>1,242,892</b>	<b>2,501,663</b>	<b>13,284</b>	<b>6</b>	<b>13,164</b>	<b>579,329</b>	<b>601,488</b>
<b>Kurang daripada Below</b>									
1,000 - <	115	41,241	16,074	25,167	487	6	471	11,322	11,969
5,000 - <	44	104,429	48,574	55,855	566	-	522	17,902	22,033
10,000 - <	16	103,717	45,011	58,706	1,003	-	1,003	26,205	18,162
20,000 - <	11	151,081	56,982	94,099	904	-	904	30,395	52,337
50,000 - <	9	336,576	200,927	135,649	748	-	748	28,162	96,904
100,000 dan lebih and above	4	260,556	138,056	122,500	1,010	-	1,010	65,066	159,535
	6	2,746,955	737,268	2,009,687	8,566	-	8,506	400,277	240,548



**Jadual A7.7 : Perangkaan utama perkhidmatan maklumat mengikut saiz pekerja, 2010**  
*Table A7.7 : Principal statistics of information services by employment size, 2010*

Saiz pekerja <i>Employment size</i>	Bilangan pertubuhan <i>Number of establishments</i>	Nilai output kasar <i>Value of gross output</i>	Nilai input perantara <i>Value of intermediate input</i>	Nilai ditambah <i>Value added</i>	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Total number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries &amp; wages paid</i>	Nilai harta tetap yang dimiliki pada akhir tahun <i>Value of fixed assets owned as at the end of the year</i>		
								(RM'000)	(RM'000)
					Jumlah Total	Pemilik yang bekerja & pekerja keluarga <i>Working proprietors &amp; unpaid family workers</i>	Pekerja bergaji <i>Paid employees</i>		
						Sepenuh masa <i>Full-time</i>	Sambilan <i>Part-time</i>		
<b>Jumlah Total</b>	<b>205</b>	<b>3,744,555</b>	<b>1,242,892</b>	<b>2,501,663</b>	<b>13,284</b>	<b>6</b>	<b>114</b>	<b>579,329</b>	<b>601,488</b>
1	9	86,469	42,681	43,788	467	6	10	13,708	22,339
10	29	52,926	20,994	31,932	430	-	-	12,657	10,862
30	99	736,749	431,023	305,726	1,884	-	-	64,507	186,694
100	19	300,475	203,024	97,451	857	-	44	35,031	72,020
200	49	185,923	71,812	114,111	1,319	-	-	68,005	114,122
500 <b>dan lebih and above</b>	4	2,382,013	473,358	1,908,655	8,327	-	60	385,421	195,451

**Jadual A7.8 : Perangkaan utama perkhidmatan maklumat mengikut saiz harta tetap, 2010**  
*Table A7.8 : Principal statistics of information services by fixed assets size, 2010*

Saiz harta tetap <i>Fixed assets size</i>	Bilangan pertubuhan <i>Number of establishments</i>	Nilai output kasar <i>Value of gross output</i>	Nilai input perantara <i>Value of intermediate input</i>	Nilai ditambah <i>Value added</i>	Jumlah pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Total number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries &amp; wages paid</i>	Nilai harta tetap yang dimiliki pada akhir tahun <i>Value of fixed assets owned as at the end of the year</i>	Jumlah <i>Total</i>		
								Pemilik yang bekerja & pekerja keluarga tanpa gaji <i>Working proprietors &amp; unpaid family workers</i>	Pekerja bergaji <i>Paid employees</i>	(RM'000)
(RM'000)		(RM'000)	(RM'000)	(RM'000)		(RM'000)	(RM'000)			
<b>Jumlah Total</b>	<b>205</b>	<b>3,744,555</b>	<b>1,242,892</b>	<b>2,501,663</b>	<b>13,284</b>	<b>6</b>	<b>13,164</b>	<b>114</b>	<b>579,329</b>	<b>601,488</b>
<b>Kurang daripada Below</b>										
10	17	877	298	579	21	2	19	-	352	112
<	34	4,980	1,583	3,397	103	4	94	5	1,846	866
<	37	17,529	6,618	10,911	196	-	191	5	4,563	2,772
<	27	25,306	10,194	15,112	200	-	200	-	6,382	3,719
<	27	53,207	22,017	31,190	372	-	328	44	10,428	9,027
<	23	99,308	50,841	48,467	793	-	793	-	20,505	16,419
<	26	430,604	225,409	205,195	1,356	-	1,356	-	49,746	77,610
<	7	1,069,407	486,926	582,481	2,226	-	2,206	20	170,761	126,261
<b>dan lebih and above</b>	<b>7</b>	<b>2,043,337</b>	<b>439,006</b>	<b>1,604,331</b>	<b>8,017</b>	<b>-</b>	<b>7,977</b>	<b>40</b>	<b>314,746</b>	<b>364,702</b>

**Jadual A7.9 : Bilangan pekerja dan gaji & upah dalam perkhidmatan maklumat mengikut kategori pekerja, 2010**  
*Table A7.9 : Number of persons engaged and salaries & wages in information services by category of workers, 2010*

Kategori pekerja <i>Category of workers</i>	Jumlah pekerja pada Disember atau pada tempoh gaji akhir <i>Total number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries &amp; wages paid</i> (RM'000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
<b>Jumlah <i>Total</i></b>	<b>13,284</b>	<b>7,452</b>	<b>5,832</b>	<b>579,329</b>
<b>Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji <i>Total working proprietors and unpaid family workers</i></b>	<b>6</b>	<b>6</b>	<b>-</b>	<b>-</b>
<b>Pemilik yang bekerja dan rakan niaga yang aktif <i>Working proprietors and active business partners</i></b>	<b>3</b>	<b>3</b>	<b>-</b>	<b>-</b>
<b>Pekerja keluarga tidak bergaji <i>Unpaid family workers</i></b>	<b>3</b>	<b>3</b>	<b>-</b>	<b>-</b>
<b>Jumlah pekerja bergaji (sepenuh masa) <i>Total employees (full-time)</i></b>	<b>13,164</b>	<b>7,348</b>	<b>5,816</b>	<b>578,492</b>
<b>Pengurusan, profesional dan eksekutif <i>Managerial, professional and executive</i></b>	<b>8,841</b>	<b>4,537</b>	<b>4,304</b>	<b>389,280</b>
<b>Teknikal dan penyeliaan <i>Technical and supervisory</i></b>	<b>2,178</b>	<b>1,611</b>	<b>567</b>	<b>120,805</b>
<b>Pekeranian dan pekerjaan yang berkaitan <i>Clerical and related occupations</i></b>	<b>1,749</b>	<b>941</b>	<b>808</b>	<b>55,700</b>
<b>Pekerja am <i>General workers</i></b>	<b>396</b>	<b>259</b>	<b>137</b>	<b>12,707</b>
<b>Jumlah pekerja bergaji (sambilan) <i>Total employees (part-time)</i></b>	<b>114</b>	<b>98</b>	<b>16</b>	<b>837</b>



**BAHAGIAN B**

**PENUNJUK TEKNOLOGI  
MAKLUMAT DAN  
KOMUNIKASI**

*PART B*

*INFORMATION AND  
COMMUNICATIONS  
TECHNOLOGY  
INDICATORS*



**Jadual B1.1 : Import dan eksport barangan elektrik dan elektronik, 2000 - 2011**  
*Table B1.1 : Imports and exports of electrical and electronic goods, 2000 - 2011*

RM (juta/million)

Tahun Year	Jumlah Total	Mesin pejabat & kelengkapan pemrosesan data automatik <i>Office machines &amp; automatic data processing equipment</i>		Perkakas & kelengkapan telekomunikasi dan rakaman suara & penghasilan semula <i>Telecommunications &amp; sound recording and reproducing apparatus &amp; equipment</i>		Jentera, radas & perkakas elektrik, t.t.t.l dan alat ganti <i>Electrical machinery, apparatus &amp; appliances, n.e.c and electrical parts thereof</i>			
		Import	Eksport	Import	Eksport	Import	Eksport		
2011	236,537	177,889	236,537	26,774	54,055	23,504	41,600	127,612	140,882
2010	249,797	189,115	249,797	28,768	75,186	22,600	43,272	137,747	131,339
2009	230,077	159,767	230,077	31,715	75,482	18,302	36,039	109,751	118,556
2008	255,561	189,572	255,561	32,178	87,911	18,878	47,594	138,515	120,057
2007	266,686	204,097	266,686	36,893	93,260	16,930	45,321	150,274	128,106
2006	281,346	208,874	281,346	37,479	102,891	17,241	52,816	154,154	125,640
2005	265,197	193,526	265,197	36,672	87,151	16,562	50,797	140,293	127,249
2004	241,687	182,524	241,687	32,720	76,802	16,293	47,688	133,511	117,198
2003	210,724	159,742	210,724	24,295	64,049	13,224	39,586	122,223	107,088
2002	201,203	149,951	201,203	21,154	68,354	14,410	40,399	114,387	92,450
2001	189,487	132,235	189,487	18,018	63,711	12,769	46,266	101,448	79,510
2000	219,583	154,996	219,583	17,316	78,616	13,192	49,265	124,488	91,702

Sumber: Perangkaan Perdagangan Luar Negeri, Jabatan Perangkaan Malaysia  
 Source: External Trade Statistics, Department of Statistics, Malaysia

Jadual B1.2 : Import barangan elektrik dan elektronik mengikut negara-negara terpilih, 2009 - 2011

Table B1.2 : Imports of electrical and electronic goods by selected countries, 2009- 2011

Negara Country	Jumlah Total	RM (juta/million)										
		2009	2010	2011	2009	2010	2011	2009	2010	2011	2009	2010
<b>Jumlah/Total</b>	<b>189,399</b>	<b>159,767</b>	<b>177,889</b>	<b>31,715</b>	<b>28,768</b>	<b>26,774</b>	<b>18,302</b>	<b>22,659</b>	<b>23,504</b>	<b>109,751</b>	<b>137,974</b>	<b>127,612</b>
China, People's Republic of	30,832	33,525	32,736	13,514	9,820	9,088	6,383	8,106	8,396	13,629	12,905	15,252
Germany, Federal Republic of	9,215	7,696	7,845	176	1,254	159	214	126	136	7,306	8,885	7,549
Hong Kong, SAR	8,697	7,358	8,438	1,977	2,121	2,120	2,086	2,205	2,301	3,295	4,371	4,011
Japan	22,006	18,588	19,927	1,300	1,454	1,186	1,234	1,229	1,406	16,054	19,323	17,335
Korea, Republic of	15,012	11,534	10,029	415	455	237	2,952	3,846	3,576	8,167	10,713	6,216
Philippines	9,139	2,592	2,534	231	154	131	140	149	101	2,221	8,836	2,301
Singapore, Republic of	21,127	19,323	24,873	4,475	3,669	3,704	878	1,149	1,060	13,970	16,308	20,109
Taiwan	12,854	10,018	14,540	802	743	869	549	1,627	1,803	8,667	10,485	11,868
Thailand	8,423	6,574	8,253	2,415	3,345	3,311	539	578	603	3,621	4,500	4,340
United States of America	29,564	25,464	26,627	2,646	2,617	2,924	836	725	711	21,982	26,222	22,992
Other countries	22,087	17,094	22,087	3,765	4,185	3,038	2,490	2,919	3,411	10,839	15,425	15,638

Sumber: Perangkaan Perdagangan Luar Negeri, Jabatan Perangkaan Malaysia

Source: External Trade Statistics, Department of Statistics, Malaysia



**Jadual B1.3 : Eksport barangan elektrik dan elektronik mengikut negara-negara terpilih, 2008 - 2010**  
**Table B1.3 : Exports of electrical and electronic goods by selected countries, 2008 - 2010**

Negara Country	RM (Juta/Million)											
	2009	2010	2011	2009	2010	2011	2009	2010	2011	2009	2010	2011
<b>Jumlah/Total</b>	<b>230,077</b>	<b>249,907</b>	<b>236,537</b>	<b>75,482</b>	<b>75,267</b>	<b>54,055</b>	<b>36,039</b>	<b>43,271</b>	<b>41,600</b>	<b>118,556</b>	<b>131,3370</b>	<b>140,882</b>
China, People's Republic of	36,651	40,994	41,535	8,191	15,839	11,246	1,403	1,912	2,037	27,057	233,243	28,252
France	3,770	5,210	6,109	79	102	116	190	149	130	3,502	4,960	5,863
European Union*	10,103	10,605	10,859	1,828	1,240	1,140	1,471	1,663	1,949	6,804	7,702	7,769
Hong Kong, SAR	22,936	25,172	23,776	3,826	3,807	2,660	2,387	2,221	1,923	16,723	19,143	19,193
Japan	15,831	18,280	17,631	4,033	3,099	2,099	5,363	7,434	7,375	6,435	7,747	8,157
Netherlands	11,072	11,474	7,528	7,057	7,314	3,244	1,114	875	1,162	2,901	3,285	3,122
Singapore, Republic of	32,199	36,196	32,178	8,211	9,518	6,765	2,685	2,306	2,073	21,303	24,371	23,339
Taiwan	6,149	6,655	6,137	1,302	991	466	228	331	348	4,619	5,333	5,323
Thailand	10,548	10,996	10,341	5,248	5,857	5,957	897	1,186	1,017	4,403	3,952	3,368
United States of America	39,922	35,569	30,406	22,544	13,521	8,720	6,736	7,762	6,704	10,642	14,287	14,982
Other countries	40,895	48,757	50,038	13,164	13,980	11,643	13,565	17,431	16,881	14,167	17,347	21,514

**Nota : \* Kesatuan Eropah terdiri daripada 27 buah negara**  
 Note : \* European Union consists of 27 countries

**Sumber: Perangkaan Perdagangan Luar Negeri, Jabatan Perangkaan Malaysia**  
 Source: External Trade Statistics, Department of Statistics, Malaysia

**Jadual B1.4 : Import barangan elektrik dan elektronik mengikut kumpulan ekonomi, 2009 - 2011**

Table B1.4 : Imports of electrical and electronic goods by economic grouping, 2009 - 2011

Kumpulan ekonomi Economic grouping	RM (juta/million)											
	Jumlah Total		Mesin pejabat & kelengkapan pemrosesan data automatik Office machines & automatic data processing equipment			Perkakas & kelengkapan telekomunikasi dan rakaman suara & penghasilan semula Telecommunications & sound recording and reproducing apparatus & equipment			Jentera, radas & perkakas elektrik, t.t.t.l dan alat ganti Electrical machinery, apparatus & appliances, n.e.c and electrical parts thereof			
	2009	2010	2011	2009	2010	2011	2009	2010	2011	2009	2010	2011
<b>Jumlah/Total</b>	<b>159,767</b>	<b>189,399</b>	<b>177,889</b>	<b>31,715</b>	<b>28,765</b>	<b>26,774</b>	<b>18,302</b>	<b>22,659</b>	<b>23,504</b>	<b>109,751</b>	<b>137,974</b>	<b>127,612</b>
ASEAN Free Trade Area	30,434	41,365	38,820	7,444	7,484	7,391	2,016	2,554	3,085	20,974	31,328	28,344
European Union	17,636	19,850	17,754	1,510	1,356	1,203	1,651	1,693	1,275	14,476	16,800	15,277
European Free Trade Area	348	639	464	55	161	35	48	30	13	245	449	417
Latin American Integration Association	22	33	31	2	4	1	1	1	4	19	28	27
North America Free Trade Area	26,143	30,210	27,420	2,756	2,736	3,067	994	832	975	22,393	26,643	23,378
South Asian Association for Regional Co-Operation	556	775	881	75	84	94	288	426	528	193	266	260
Other countries, n.e.c	84,628	96,527	92,518	19,874	16,941	14,984	13,303	17,124	17,625	51,451	62,462	59,909

Sumber: Perangkaan Perdagangan Luar Negeri, Jabatan Perangkaan Malaysia

Source: External Trade Statistics, Department of Statistics, Malaysia

**Jadual B1.5 : Eksport Barangan elektrik dan elektronik mengikut kumpulan ekonomi, 2009 - 2011**  
*Table B1.5 : Exports of electrical and electronic goods by economic grouping, 2009 - 2011*

Kumpulan ekonomi <i>Economic grouping</i>	RM (juta/million)											
	2009	2010	2011	2009	2010	2011	2009	2010	2011	2009	2010	2011
<b>Jumlah Total</b>	<b>230,077</b>	<b>249,797</b>	<b>236,537</b>	<b>75,482</b>	<b>75,267</b>	<b>54,055</b>	<b>36,039</b>	<b>43,271</b>	<b>41,600</b>	<b>118,556</b>	<b>131,370</b>	<b>140,882</b>
ASEAN Free Trade Area	47,377	53,380	50,070	14,521	16,447	13,941	4,416	5,102	4,803	28,439	31,831	31,326
European Union	33,302	35,801	32,684	11,645	11,280	6,873	5,252	4,994	6,029	16,405	19,527	19,781
European Free Trade Area	185	264	259	24	31	32	42	46	29	119	187	198
Latin American Integration Association	1,054	1,361	1,642	206	219	197	513	753	1,027	335	390	418
North America Free Trade Area	44,275	41,182	35,402	24,372	15,763	10,390	7,653	8,866	8,017	12,249	16,553	16,995
South Asian Association for Regional Co-Operation	3,810	5,551	7,400	2,207	2,403	2,074	608	1,526	1,333	996	1,621	3,993
Other countries, n.e.c	100,074	112,368	109,079	22,507	29,124	20,548	17,556	21,984	20,362	60,012	61,260	68,170

Sumber: Perangkaan Perdagangan Luar Negeri, Jabatan Perangkaan Malaysia

Source: External Trade Statistics, Department of Statistics, Malaysia

**Jadual B2.1 : Taburan peratus isi rumah yang mempunyai kemudahan peralatan teknologi maklumat dan komunikasi, Malaysia, 2009**

*Table B2.1 : Percentage distribution of households with access to information and communications technology items, Malaysia, 2009*

Negeri State	Warganegara / Citizens (%)							
	Radio / Hi-fi Radio / Hi-fi	Televisyen Television	Video / VCD / DVD Video / VCD / DVD	Telefon talian tetap Fixed-line telephone	Telefon selular Cellular phone	Komputer peribadi Personal computer	Langganan internet Internet subscription	
<b>MALAYSIA</b>	<b>81.4</b>	<b>96.9</b>	<b>79.4</b>	<b>43.2</b>	<b>84.6</b>	<b>31.3</b>	<b>15.2</b>	
Johor	79.1	98.8	77.8	42.7	92.3	28.9	16.3	
Kedah	70.4	96.7	67.7	24.6	90.1	25.7	12.0	
Kelantan	72.4	95.0	54.3	18.9	88.1	19.6	6.7	
Melaka	80.2	99.2	74.6	45.4	92.5	40.4	22.1	
Negeri Sembilan	80.4	97.7	75.6	43.3	87.6	31.8	18.8	
Pahang	77.5	97.6	72.8	38.4	89.0	28.9	14.4	
Perak	80.4	97.9	75.4	45.0	83.3	28.0	15.1	
Perlis	73.0	97.2	69.4	31.8	89.1	26.8	13.3	
Pulau Pinang	67.9	98.2	81.2	48.4	93.6	42.5	30.5	
Sabah	59.0	90.4	66.4	21.5	87.3	30.0	16.0	
Sarawak	72.7	94.3	75.4	27.0	85.1	29.8	16.2	
Selangor	77.7	98.9	83.1	35.2	96.4	49.9	34.7	
Terengganu	60.7	96.7	58.1	27.9	89.9	25.8	12.5	
W. P. Kuala Lumpur	73.6	99.2	84.6	37.2	94.8	49.4	33.9	
W. P. Putrajaya	59.1	97.7	77.3	26.7	97.7	60.8	41.2	

**Sumber : Laporan Penyiasatan Kemudahan Asas, Malaysia, 2009, Jabatan Perangkaan Malaysia**

*Source : Basic Amenities Survey Report, Malaysia, 2009, Department of Statistics, Malaysia*

Jadual B3.1 : Perangkaan telekomunikasi, Malaysia, 1997 - 2011  
Table B3.1 : Telecommunications statistics, Malaysia, 1997 - 2011

Jenis perkhidmatan Type of service	Tahun / Year														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Populasi (juta) / Population (million)	21.7	22.2	22.7	23.5	24.0	24.5	25.3	25.9	26.4	26.9	27.5	28.02	28.61	28.4	28.7
1) Sambungan DEL* talian tetap / Fixed line DEL connections															
Jumlah sambungan (juta) / Total connections (million)	4.250	4.370	4.423	4.628	4.710	4.670	4.572	4.446	4.366	4.345	4.350	4.292	4.312	4.406	2.491
Pertumbuhan tahunan (%) / Annual growth (%)	12.9	2.8	1.2	4.6	1.8	-0.8	-2.1	-2.8	-1.8	-0.5	0.1	-1.3	0.5	2.2	-43.5
Penembusan (sambungan DEL per 100 populasi) Penetration (DEL connection per 100 population)	19.6	19.7	19.5	19.7	19.6	18.8	18.1	17.2	16.6	16.1	15.8	15.3	15.1	NA	NA
Penembusan (sambungan DEL per 100 isi rumah) Penetration (DEL connection per 100 households)	NA	NA	NA	66.4	65.1	62.3	58.0	52.3	49.5	48.3	47.8	44.9	44.0	42.5	37.3
2) Telefon selular / Cellular phone															
Bilangan pelanggan (juta) / Number of subscribers (million)	2.461	2.150	2.717	5.122	7.385	9.053	11.124	14.611	19.545	19.464	23.347	27.713	30.379	33.106	36.661
Pertumbuhan tahunan (%) / Annual growth (%)	62.7	-12.6	26.4	88.5	44.2	22.6	22.9	31.3	33.8	-0.4	19.9	18.7	9.6	9.8	10.7
Penembusan (orang per 100 populasi) Penetration (persons per 100 population)	11.4	9.7	12.0	21.8	30.8	36.9	43.9	56.5	74.1	72.3	85.1	98.9	106.2	116.6	127.7
3) Langganan internet dial terus / Internet dial-up subscriptions															
Bilangan pelanggan (juta) / Number of subscribers (million)	0.205	0.405	0.668	1.659	2.113	2.614	2.881	3.293	3.672	3.764	3.920	NA	NA	NA	NA
Pertumbuhan tahunan (%) / Annual growth (%)	220.3	97.6	64.9	148.4	27.4	23.7	10.2	14.3	11.5	2.5	4.1	NA	NA	NA	NA
Penembusan (orang per 100 populasi) Penetration (persons per 100 population)	0.9	1.8	2.9	7.1	8.8	10.5	11.4	12.7	13.9	14.0	14.3	NA	NA	NA	NA

\* DEL: Sambungan talian terus

DEL: Direct exchange line

Sumber: Suruhanjaya Multimedia dan Komunikasi Malaysia

Source: Malaysian Communications and Multimedia Commission

Jadual B3.2 : Perangkaan telekomunikasi mengikut jenis perkhidmatan, Malaysia, 2002 - 2011  
Table B3.2 : Telecommunications statistics by type of services, Malaysia, 2002 - 2011

Jenis perkhidmatan Type of services	Tahun / Year									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
<b>1) Sambungan DEL* talian tetap (Juta)</b> <i>Fixed line DEL connections (million)</i>										
<b>Jumlah sambungan / Total connections</b>	4.670	4.572	4.446	4.366	4.345	4.350	4.292	4.312	4.406	4.091
- <i>Kediaman / Residential</i>	3.323	3.194	2.938	2.839	2.824	2.851	2.734	2.734	2.804	2.491
- <i>Perniagaan / Business</i>	1.347	1.378	1.508	1.527	1.521	1.499	1.558	1.578	1.602	1.600
<b>2) Telefon selular / Cellular phones</b>										
<b>Bilangan pelanggan (juta) / Number of subscribers (million)</b>	9.053	11.124	14.611	19.545	19.464	23.347	27.125	30.379	33.106	36.661
- <i>Pasca bayar (juta) / Postpaid (million)</i>	2.962	2.525	2.553	2.925	3.368	3.905	5.577	6.265	6.689	7.067
- <i>Prabayar (juta) / Prepaid (million)</i>	6.091	8.599	12.058	16.62	16.096	19.442	21.548	24.114	26.417	29.595
<b>Perkhidmatan pesanan pendek (juta) / Short message services (SMS) (million)</b>	3,605.9	6,163.5	9,532.1	21,999 <sup>R</sup>	33,350.6 <sup>R</sup>	56,888.5 <sup>R</sup>	73,211.3 <sup>R</sup>	89,408.8 <sup>R</sup>	97,141.2	93,119.7
<b>3) Langganan internet dail terus / Internet dial-up subscriptions</b>										
- <i>Bilangan pelanggan (juta) / Number of subscribers (million)</i>	2.614	2.881	3.293	3.672	3.764	3.920	NA	NA	NA	NA
- <i>Bilangan pengguna internet (juta) / Number of internet users (million)</i>	7.842	8.643	9.879	11.016	11,292	11,760	NA	NA	NA	NA
<b>4) Bilangan langganan jalur lebar / Number of broadband subscriptions ('000)</b>	19.3	110.4	252.5	501.7	897.2	1,368.9	1,740.1	2,620.3	4,722.2	5,686.9

\* DEL: Sambungan talian terus  
DEL: Direct exchange line

Sumber: Suruhanjaya Multimedia dan Komunikasi Malaysia  
Source: Malaysian Communications and Multimedia Commission

Jadual B4.1 : Penggunaan telefon, internet dan komputer bagi negara-negara terpilih, 2011  
 Table B4.1 : Telephone, internet and computer usage of selected countries, 2011

Negara Country	Jumlah pelanggan telefon Total telephone subscribers		Pelanggan telefon selular Cellular phone subscribers		Internet Internet		Jalur Lebar Broadband	
	('000)	Setiap 100 populasi per 100 inhabitants	('000)	Setiap 100 populasi per 100 inhabitants	Pengguna Users ('000)	Pengguna setiap 100 populasi Users per 100 inhabitants	Total ('000)	Setiap 100 populasi per 100 inhabitants
Algeria	2,922.7	8.24	32,780.2	92.42	-	-	900.0	2.54
Australia	8,660.0	38.89	22,500.0	101.04	6092.0	27.36	5,385.0	24.18
Belgium	4,639.8	43.31	12,154.0	113.46	3415.8	31.89	3,373.1	31.49
Brazil	42,141.4	21.62	202,944.0	104.1	20,992.4	10.77	13,266.3	6.81
Brunei	79.9	20.03	435.1	109.07	-	-	21.7	5.44
Cambodia	358.8	2.54	8,150.8	57.65	-	-	35.7	0.25
Cameroon	539.5	2.75	8,636.7	44.07	-	-	1.0	0.01
Canada	17,021.3	50.04	24,037.4	70.66	-	-	10,138.7	29.81
China	294,383.0	21.95	859,003.0	64.04	-	-	126,337.0	9.42
Denmark	2,629.0	47.37	6,922.5	124.73	2,167.0	39.04	2,092.4	37.7
Germany	45,640.4	55.45	104,560	127.04	-	-	26,089.8	31.7
Indonesia	37,959.6	15.83	220,000.0	91.72	-	-	1,900.3	0.79
Ireland	2,078.0	46.49	4,701.5	105.18	1,074.6	24.04	941.4	21.06
Italy	21,477.0	35.47	90,605.0	149.63	13,400.0	22.13	13,259.4	21.9
Japan	40,418.6	31.94	120,708.7	95.39	-	-	34,044.7	26.91
Korea (Republic of)	28,543.2	59.24	50,767.2	105.36	17,193.6	35.68	17,193.6	35.68
Lao PDR	103.1	1.66	4,003.4	64.56	-	-	12	0.19
Luxembourg	983.6	200.73	720.0	148.09	424.5	87.31	159.4	32.79
Madagascar	142.1	0.69	7,711.7	37.23	8.8	0.04	5.4	0.03
<b>Malaysia</b>	<b>4,573.0</b>	<b>16.1</b>	<b>33,839.0</b>	<b>119.2</b>	-	-	<b>2,078.5</b>	<b>7.32</b>
Mexico	19,891.5	17.54	91,362.8	80.55	11,628.7	10.25	11,325.0	9.98
Myanmar	604.7	1.26	594	1.24	-	-	16.4	0.03
New Zealand	1,870.0	42.81	5,020.0	114.92	-	-	1,089.0	24.93
Nigeria	1,050.2	0.66	87,297.8	55.1	222.2	0.14	99.1	0.06
Philippines	6,783.4	7.27	79,895.6	85.67	-	-	1,722.4	1.85
Singapore	1,996.1	39.24	7,384.6	145.18	1,333.6	26.22	1,268.8	24.94
South Africa	4,225.0	8.43	50,372.0	100.48	-	-	743	1.48
Sweden	4,923.6	52.49	10,885.4	116.05	3,231.1	34.45	2,987.0	31.85
Thailand	6,924.8	10.02	71,624.2	103.62	-	-	3,188.6	4.61
United Kingdom	33,393.1	53.83	81,115.5	130.76	20,528.0	33.09	19,579.8	31.56
United States	151,171.0	48.7	278,900.0	89.86	89,090.2	28.7	85,723.2	27.62
Vietnam	16,400	18.67	154,000.0	175.3	-	-	3,631.4	4.13

Sumber : Laman web International Telecommunication Union

Source : International Telecommunication Union website





LAMPIRAN

*APPENDIX*



**SENARAI AKTIVITI YANG TERMASUK DALAM  
MAKLUMAT DAN KOMUNIKASI**

<b>MSIC 2008</b>	<b>INDUSTRI</b>
<b>58</b>	<b>PENERBITAN</b>
58110	Penerbitan buku , brosur dan penerbitan lain
58120	Penerbitan senarai mel, buku telefon dan direktori lain
58130	Penerbitan surat khabar, jurnal, majalah dan penerbitan berkala dalam bentuk cetakan atau elektronik
58190	Penerbitan katalog, gambar, turisan dan poskad, kad ucapan, borang, poster, penerbitan semula kerja-kerja seni, bahan pengiklanan dan bahan bercetak lain t.t.t.l.
58201	Aplikasi perniagaan dan aplikasi lain
58202	Permainan komputer untuk semua platform
58203	Sistem operasi
<b>59</b>	<b>PENERBITAN WAYANG GAMBAR, VIDEO DAN PROGRAM TELEVISYEN, RAKAMAN BUNYI DAN PENERBITAN MUZIK</b>
59110	Aktiviti pengeluaran wayang gambar, video dan program televisyen
59120	Aktiviti pasca produksi wayang gambar, video dan program televisyen
59130	Aktiviti pengedaran wayang gambar, video dan program televisyen
59140	Aktiviti penayangan wayang gambar
59200	Aktiviti rakaman bunyi dan penerbitan muzik
<b>60</b>	<b>PEMPROGRAMAN DAN PENYIARAN</b>
60100	Penyiaran radio
60200	Aktiviti pemrograman dan penyiaran televisyen
<b>61</b>	<b>TELEKOMUNIKASI</b>
61101	Perkhidmatan aktiviti telekomunikasi berwayar
61102	Pembekal akses internet oleh operator infrastruktur berwayar
61201	Perkhidmatan telekomunikasi tanpa wayar
61202	Pembekal akses Internet oleh operator infrastruktur tanpa wayar
61300	Perkhidmatan telekomunikasi satelit
61901	Penyediaan akses internet melalui rangkaian di antara pelanggan danIS
61902	Penyediaan Perkhidmatan telekomunikasi melalui sambungan telekom sedia ada
61903	Penjualan semula telekomunikasi
61904	Penyediaan Perkhidmatan telekomunikasi melalui sambungan telekom VOIP (Voice Over Internet Protocol) sedia ada
61905	Penyediaan aplikasi telekomunikasi yang khusus
61909	Aktiviti telekomunikasi lain t.t.t.l.
<b>62</b>	<b>PENGATURCARAAN KOMPUTER, PERUNDINGAN DAN AKTIVITI YANG BERKAITAN</b>
62010	Aktiviti pengaturcaraan komputer
62021	Perundingan komputer
62022	Aktiviti pengurusan kemudahan komputer
62091	Sistem keselamatan Teknologi Maklumat dan Komunikasi (ICT)
62099	Aktiviti Perkhidmatan teknologi maklumat t.t.t.l
<b>63</b>	<b>AKTIVITI PERKHIDMATAN MAKLUMAT</b>
63111	Aktiviti penyediaan infrastruktur untuk hosting, Perkhidmatan prosesan data dan aktiviti yang berkaitan
63112	Aktiviti prosesan data
63120	Web portal
63910	Aktiviti agensi dan sindiket berita
63990	Aktiviti Perkhidmatan maklumat lain t.t.t.l

**LIST OF ACTIVITIES INCLUDED IN THE INFORMATION  
AND COMMUNICATIONS TECHNOLOGY SECTOR**

<b>MSIC 2008</b>	<b>INDUSTRY</b>
<b>58</b>	<b>PUBLISHING</b>
58110	<i>Publishing of books, brochures and other publications</i>
58120	<i>Publishing of mailing lists, telephone book, other directories</i>
58130	<i>Publishing of newspapers, journals, magazines and periodicals in print or electronic form</i>
58190	<i>Publishing of catalogues, photos, engraving and postcards, greeting cards, forms, posters, reproduction of works of art, advertising material and other printed matter n.e.c.</i>
58201	<i>Business and other applications</i>
58202	<i>Computer games for all platforms</i>
58203	<i>Operating systems</i>
<b>59</b>	<b>MOTION PICTURE VIDEO AND TELEVISION PROGRAMME PRODUCTION, SOUND RECORDING AND MUSIC PUBLISHING ACTIVITIES</b>
59110	<i>Motion picture, video and television programme production activities</i>
59120	<i>Motion picture, video and television programme post-production activities</i>
59130	<i>Motion picture, video and television programme distribution activities</i>
59140	<i>Motion picture projection activities</i>
59200	<i>Sound recording and music publishing activities</i>
<b>60</b>	<b>PROGRAMMING AND BROADCASTING ACTIVITIES</b>
60100	<i>Radio broadcasting</i>
60200	<i>Television programming and broadcast activities</i>
<b>61</b>	<b>TELECOMMUNICATIONS</b>
61101	<i>Wired telecommunications services</i>
61102	<i>Internet access providers by the operator of the wired infrastructure</i>
61201	<i>Wireless telecommunications services</i>
61202	<i>Internet access providers by the operator of the wireless infrastructure</i>
61300	<i>Satellite telecommunications services</i>
61901	<i>Provision of Internet access over networks between the client and the ISP not owned or controlled by the ISP</i>
61902	<i>Provision of telecommunications services over existing telecom connection</i>
61903	<i>Telecommunications resellers</i>
61904	<i>Provision of telecommunications services over existing telecom connections VOIP (Voice Over Internet Protocol) provision</i>
61905	<i>Provision of specialized telecommunications applications</i>
61909	<i>Other telecommunications activities n.e.c.</i>
<b>62</b>	<b>COMPUTER PROGRAMMING, CONSULTANCY AND RELATED ACTIVITIES.</b>
62010	<i>Computer programming activities</i>
62021	<i>Computer consultancy</i>
62022	<i>Computer facilities management activities</i>
62091	<i>Information Communication Technology (ICT) system security</i>
62099	<i>Other information technology service activities n.e.c</i>
<b>63</b>	<b>INFORMATION SERVICE ACTIVITIES</b>
63111	<i>Activities of providing infrastructure for hosting, data processing services and related activities</i>
63112	<i>Activities of providing infrastructure for hosting, data processing services and related activities</i>
63120	<i>Data processing activities</i>
63910	<i>Web portals</i>
63990	<i>News syndicate and news agency activities</i> <i>Other information service activities n.e.c.</i>

**SENARAI KUMPULAN EKONOMI/ NAMA NEGARA**  
*LIST OF ECONOMIC GROUPING / COUNTRY NAMES*

**KAWASAN PERDAGANGAN BEBAS ASEAN**

*ASEAN Free Trade Area (A.F.T.A)*

1. BRUNEI DARUSSALAM
2. CAMBODIA
3. INDONESIA, REP. OF
4. LAOS PEOPLE'S DEM. REP. OF
5. MYANMAR, UNION OF
6. PHILIPPINES
7. SINGAPORE, REP. OF
8. THAILAND
9. VIETNAM, SOC. REP. OF
10. MALAYSIA

**KESATUAN EROPAH**

*European Union (E.U)*

1. AUSTRIA
2. BELGIUM
3. BULGARIA
4. CYPRUS
5. CZECH REPUBLIC
6. DENMARK
7. ESTONIA
8. FINLAND
9. FRANCE
10. GERMANY, FED. REP. OF
11. GREECE
12. HUNGARY
13. IRELAND
14. ITALY
15. LATVIA
16. LITHUANIA
17. LUXEMBOURG
18. MALTA
19. NETHERLANDS
20. POLAND
21. PORTUGAL
22. ROMANIA
23. SLOVAKIA REPUBLIC
24. SLOVENIA
25. SPAIN
26. SWEDEN
27. UNITED KINGDOM

**KAWASAN PERDAGANGAN BEBAS EROPAH**

*European Free Trade Area (E.F.T.A)*

1. ICELAND
2. NORWAY
3. SWITZERLAND
4. LIEHTENSTEIN

**PERSATUAN INTEGRASI LATIN AMERIKA**

*Latin America Integration Association (L.A.I.A)*

1. ARGENTINA
2. BOLIVIA
3. BRAZIL
4. CHILE
5. COLOMBIA
6. ECUADOR
7. PARAGUAY
8. MEXICO
9. PERU
10. URUGUAY
11. VENEZUELA

**KAWASAN PERDAGANGAN BEBAS AMERIKA UTARA**

*North American Free Trade Area (N.A.F.T.A)*

1. CANADA
2. MEXICO
3. U.S.A

**PERSATUAN KERJASAMA SERANTAU ASIA SELATAN**

*South Asian Association for Regional Co-operation  
(S.A.A.R.C)*

1. BANGLADESH
2. BHUTAN
3. INDIA
4. MALDIVES
5. NEPAL
6. PAKISTAN
7. SRI LANKA, REP. OF
8. AFGHANISTAN

**NEGARA-NEGARA LAIN, t.t.t.I**

*OTHER COUNTRIES, n.e.c*

