



MALAYSIA

BANCI EKONOMI **2016** *ECONOMIC CENSUS*

PERKHIDMATAN MAKLUMAT DAN KOMUNIKASI *INFORMATION AND COMMUNICATION SERVICES*

PERTANIAN
AGRICULTURE



PEMBUATAN
MANUFACTURING



PERKHIDMATAN
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**PERLOMBONGAN
DAN PENGKUARIAN**
MINING AND QUARRYING



PEMBINAAN
CONSTRUCTION



JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS, MALAYSIA



MALAYSIA

BANCI EKONOMI
ECONOMIC CENSUS

2016

PERKHIDMATAN MAKLUMAT DAN KOMUNIKASI
INFORMATION AND COMMUNICATION SERVICES

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS, MALAYSIA

Diterbitkan oleh:

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Penerbitan ini memaparkan perangkaan bagi perkhidmatan maklumat dan komunikasi yang diperoleh daripada Banci Ekonomi 2016 bagi tahun rujukan 2015. Perkhidmatan maklumat dan komunikasi merangkumi aktiviti penerbitan; aktiviti penerbitan wayang gambar, video & program televisyen, rakaman bunyi & penerbitan muzik; pemrograman dan penyiaran; perkhidmatan telekomunikasi; pengaturcaraan komputer, perundingan & aktiviti yang berkaitan dan aktiviti perkhidmatan maklumat. Perkhidmatan ini meliputi semua industri dalam Seksyen J yang dikelaskan di bawah Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0, selaras dengan Piawaian Klasifikasi Industri Antarabangsa bagi Semua Aktiviti Ekonomi (ISIC), Semakan Ke-4, 2008. Kali terakhir banci ini dijalankan adalah pada tahun 2011 bagi tahun rujukan 2010.

Data utama yang berkaitan dengan nilai output kasar, nilai input perantaraan, nilai ditambah, bilangan pekerja, gaji & upah dan nilai harta tetap dilaporkan dalam penerbitan ini. Maklumat pekerja mengikut kelulusan dan pemilikan wanita turut dipaparkan. Data tersebut boleh digunakan oleh agensi kerajaan, ahli ekonomi, ahli akademik, pihak swasta serta individu bagi tujuan membuat perancangan dan penggubalan dasar, analisis ekonomi, unjuran dan dapat membantu merancang pembangunan perniagaan.

Penerbitan ini dibahagikan kepada tiga bahagian. Bahagian pertama memaparkan hasil penemuan bagi keseluruhan perkhidmatan maklumat dan komunikasi. Aspek teknikal seperti skop dan liputan, konsep dan definisi serta pembolehubah utama yang digunakan diterangkan di bahagian kedua bagi memudahkan pengguna memahami statistik yang diterbitkan, manakala bahagian ketiga pula memaparkan jadual perangkaan terperinci.

Jabatan merakamkan setinggi-tinggi penghargaan kepada semua pihak yang terlibat secara langsung dan tidak langsung dalam merealisasikan penerbitan Banci Ekonomi 2016 ini. Setiap maklum balas dan cadangan untuk penambahbaikan laporan ini pada masa akan datang amat dihargai.

DR. MOHD UZIR BIN MAHIDIN
Ketua Perangkawan Malaysia

Julai 2017

PREFACE

This publication presents statistics on information and communication services obtained from the Economic Census 2016 for reference year 2015. Information and communication services which encompass activities of publishing; motion picture, video & television programme production, sound recording & music publishing; programming & broadcasting; telecommunication services; computer programming, consultancy & related activities and information services. These services include all industries in Section J classified under the Standard Industrial Classification (MSIC) 2008 Ver. 1.0, in accordance with the International Standard Industrial Classification of All Economic Activities (ISIC), Revision 4, 2008. The last census was conducted in 2011 for reference year 2010.

Key data related to value of gross output, intermediate input, value added, number of persons engaged, salaries & wages and value of fixed assets are reported in this publication. Information on number of persons engaged by qualification and women ownership are also published. These data can be used by government agencies, economists, academicians, private sectors and individuals for planning and formulations policies, economic analysis, projections and to assist in business development planning.

This publication is divided into three parts. The first part displays the findings for the entire information and communication services. Technical aspects such as scope and coverage, concepts and definitions as well as the key variables used are describes in the second part to assist users to understand the published statistics. Meanwhile, the third part provides the detailed statistical tables.

Department expressed gratitude to those who have contributed directly and indirectly to this Economic Census 2016 publication. Every feedback and suggestion towards improving future reports is highly appreciated.

DR. MOHD UZIR BIN MAHIDIN
Chief Statistician Malaysia

July 2017

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BAHAGIAN 1

PART 1

**PENEMUAN UTAMA
DAN
RINGKASAN
PENEMUAN**

*MAIN FINDINGS
AND
SUMMARY OF
FINDINGS*

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BANCI EKONOMI 2016



PENEMUAN UTAMA MAKLUMAT DAN KOMUNIKASI

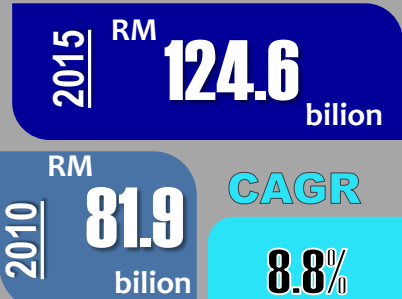


Bilangan pertumbuhan

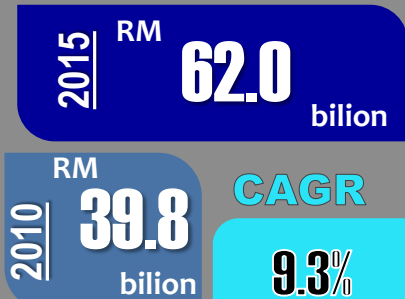


CAGR
27.5%

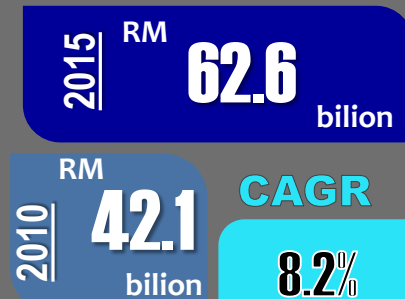
Nilai output kasar



Nilai input perantara



Nilai ditambah



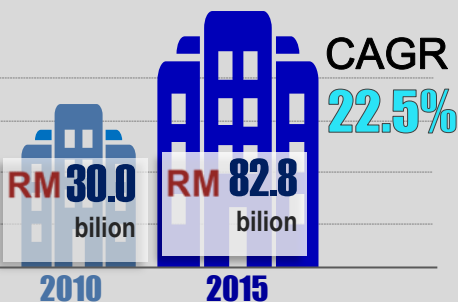
Bilangan pekerja



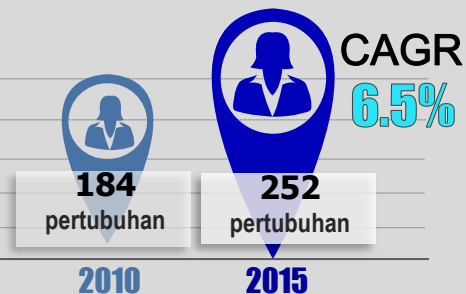
Gaji & upah



Nilai harta tetap



Bilangan pertumbuhan milikan wanita





ECONOMIC CENSUS 2016



MAIN FINDINGS INFORMATION AND COMMUNICATION



Number of establishments



CAGR
27.5%

Value of gross output

2015 RM **124.6** billion

2010 RM **81.9** billion
CAGR 8.8%

Value of intermediate input

2015 RM **62.0** billion

2010 RM **39.8** billion
CAGR 9.3%

Value added

2015 RM **62.6** billion

2010 RM **42.1** billion
CAGR 8.2%

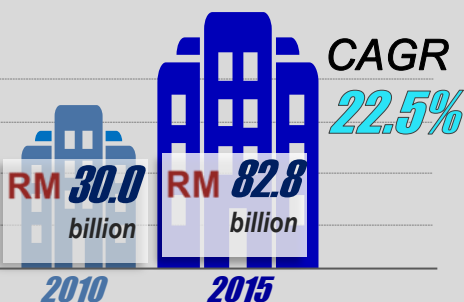
Number of persons engaged



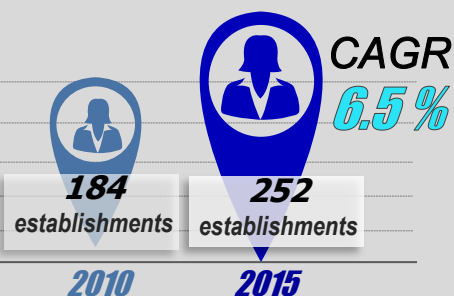
Salaries & wages



Value of fixed assets



Number of women-owned establishments



1. PENGENALAN

Penerbitan ini membentangkan perangkaan bagi perkhidmatan maklumat dan komunikasi berdasarkan Banci Ekonomi yang dijalankan pada tahun 2016 bagi tahun rujukan 2015. Perkhidmatan maklumat dan komunikasi merangkumi aktiviti penerbitan; penerbitan wayang gambar, video & program televisyen, rakaman bunyi & penerbitan muzik; pemrograman & penyiaran; perkhidmatan telekomunikasi; pengaturcaraan komputer, perundingan & aktiviti yang berkaitan dan perkhidmatan maklumat.

2. PRESTASI PERKHIDMATAN MAKLUMAT DAN KOMUNIKASI

Banci Ekonomi 2016 merekodkan sejumlah 8,008 pertubuhan yang beroperasi dengan jumlah output kasar yang dihasilkan RM124.6 bilion serta nilai ditambah RM62.6 bilion. Bilangan pekerja yang terlibat dalam perkhidmatan ini adalah seramai 203,017 orang dengan nilai gaji & upah yang dibayar berjumlah RM11.7 bilion. Sementara itu, nilai harta tetap bagi tahun rujukan 2015 adalah RM82.8 bilion. **Jadual 1** menunjukkan perangkaan utama perkhidmatan maklumat dan komunikasi bagi tahun 2010 dan 2015.

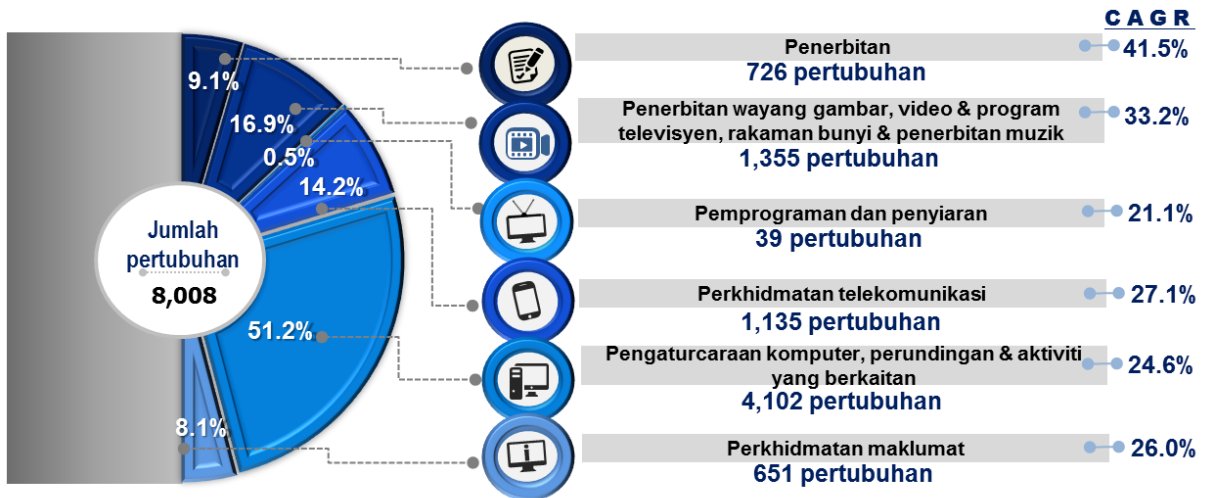
Jadual 1: Perangkaan Utama bagi Perkhidmatan Maklumat dan Komunikasi, 2010 dan 2015

	Bilangan pertubuhan	Nilai output kasar (RM bilion)	Nilai input perantaraan (RM bilion)	Nilai ditambah (RM bilion)	Bilangan pekerja	Gaji & upah (RM bilion)	Nilai harta tetap (RM bilion)
2015	8,008	124.6	62.0	62.6	203,017	11.7	82.8
2010	2,379	81.9	39.8	42.1	131,127	6.4	30.0
CAGR	27.5%	8.8%	9.3%	8.2%	9.1%	12.8%	22.5%

3. BILANGAN PERTUBUHAN

Pada tahun 2015, sejumlah 8,008 pertubuhan beroperasi dalam perkhidmatan maklumat dan komunikasi berbanding 2,379 pertubuhan pada tahun 2010 dengan pertambahan 5,629 pertubuhan. Jumlah ini mencatatkan kadar pertumbuhan tahunan dikompaun (CAGR) 27.5 peratus setahun. Aktiviti pengaturcaraan komputer, perundingan & aktiviti yang berkaitan mencatatkan bilangan pertubuhan tertinggi sebanyak 4,102 pertubuhan dengan sumbangan 51.2 peratus (**Carta 1**). Ini diikuti oleh aktiviti penerbitan wayang gambar, video & program televisyen, rakaman bunyi & penerbitan muzik (1,355 pertubuhan; 16.9%) dan perkhidmatan telekomunikasi (1,135 pertubuhan; 14.2%).

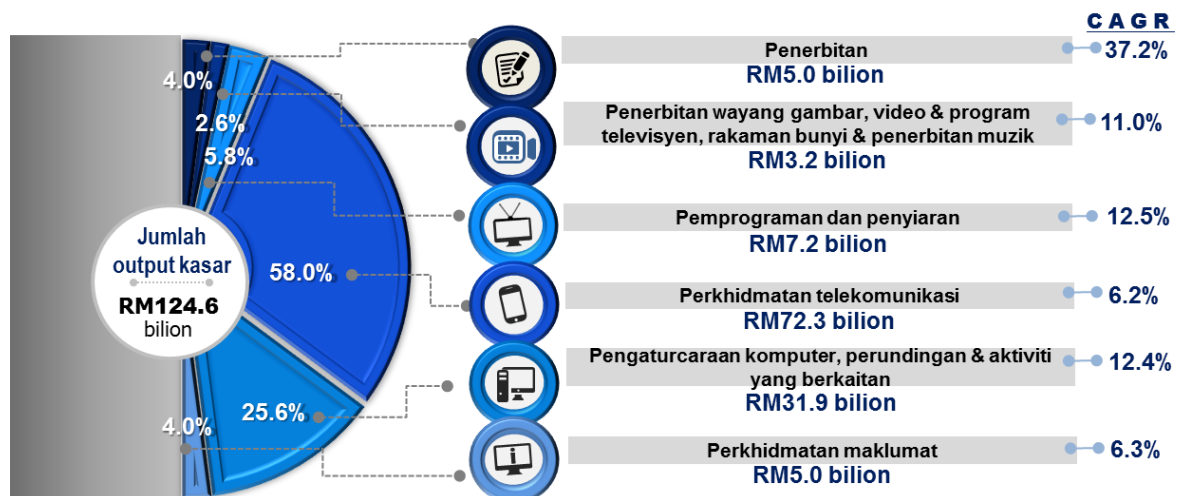
Carta 1: Bilangan Pertubuhan bagi Perkhidmatan Maklumat dan Komunikasi mengikut Aktiviti, 2015



4. NILAI OUTPUT KASAR

Sejumlah RM124.6 bilion nilai output kasar telah dihasilkan bagi perkhidmatan ini (2010: RM81.9 bilion), mencatatkan CAGR 8.8 peratus setahun. **Carta 2** menunjukkan peratus taburan nilai output kasar mengikut aktiviti di mana perkhidmatan telekomunikasi mencatatkan nilai output kasar tertinggi iaitu RM72.3 bilion dengan sumbangan 58.0 peratus. Ini diikuti oleh aktiviti pengaturcaraan komputer, perundingan & aktiviti yang berkaitan (RM31.9 bilion; 25.6%) dan aktiviti pemrograman & penyiaran (RM7.2 bilion; 5.8%).

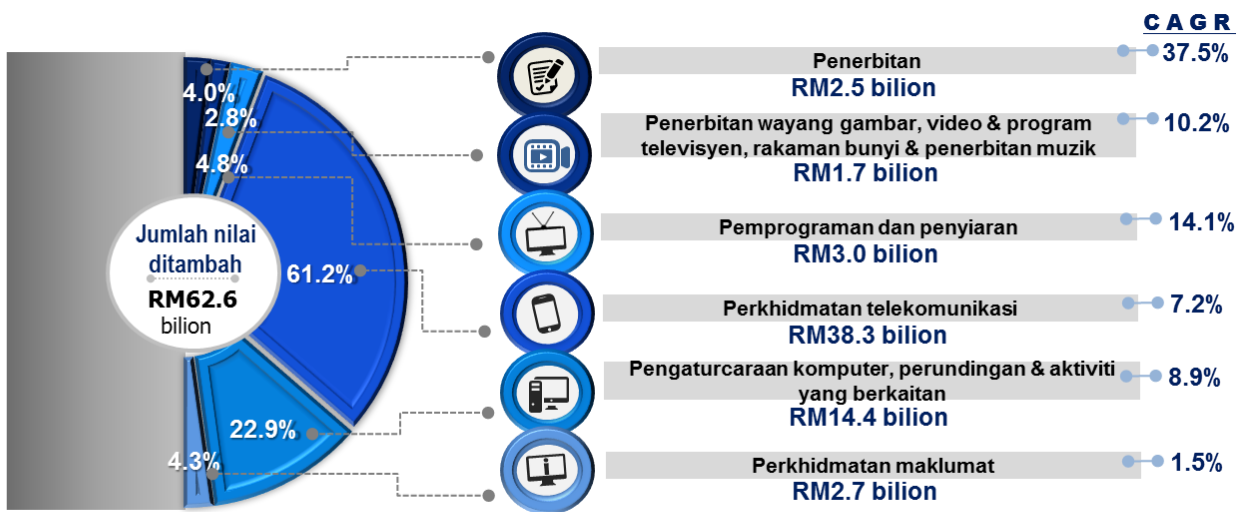
Carta 2: Nilai Output Kasar bagi Perkhidmatan Maklumat dan Komunikasi mengikut Aktiviti, 2015



5. NILAI DITAMBAH

Pada tahun 2015, nilai ditambah bagi perkhidmatan maklumat dan komunikasi adalah RM62.6 bilion (2010: RM42.1 bilion) dengan CAGR 8.2 peratus setahun. **Carta 3** memaparkan peratusan nilai ditambah bagi perkhidmatan ini mengikut aktiviti. Selari dengan nilai output kasar, perkhidmatan telekomunikasi merekodkan nilai ditambah tertinggi iaitu RM38.3 bilion dengan sumbangan 61.2 peratus. Ini diikuti oleh aktiviti pengaturcaraan komputer, perundingan & aktiviti yang berkaitan (RM14.3 bilion; 22.9%) dan aktiviti pemrograman & penyiaran (RM3.0 bilion; 4.8%).

Carta 3 : Nilai Ditambah bagi Perkhidmatan Maklumat dan Komunikasi mengikut Aktiviti, 2015

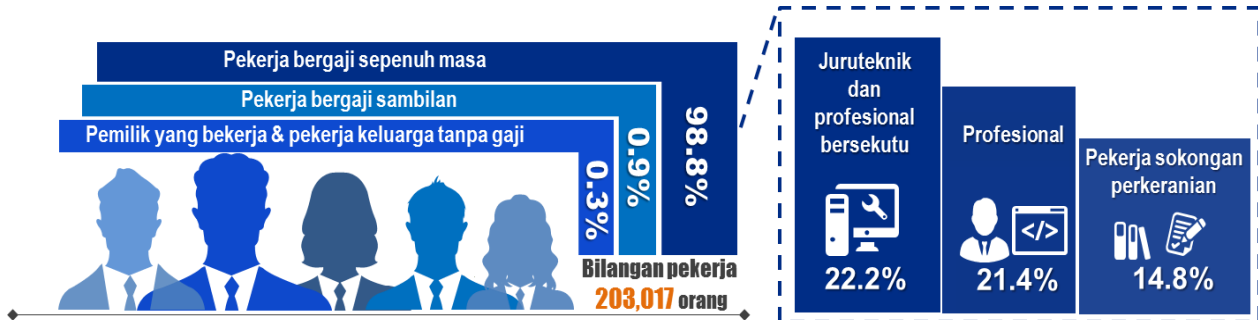


6. BILANGAN PEKERJA

Perkhidmatan maklumat dan komunikasi merekodkan bilangan pekerja seramai 203,017 orang bagi tahun 2015 berbanding 131,127 orang pada tahun 2010 dengan CAGR 9.1 peratus setahun. Aktiviti pengaturcaraan komputer, perundingan & aktiviti yang berkaitan mempunyai bilangan pekerja yang tertinggi iaitu 98,232 orang dengan sumbangan 48.4 peratus. Ini diikuti oleh perkhidmatan telekomunikasi (51,510 orang; 25.4%) dan aktiviti penerbitan (16,480 orang; 8.1%).

Pekerja bergaji sepenuh masa merekodkan seramai 200,558 orang dengan sumbangan 98.8 peratus, manakala pekerja bergaji sambilan (1,781 orang; 0.9%) dan pemilik yang bekerja dan pekerja keluarga tanpa gaji (678 orang; 0.3%) seperti di **Paparan 1**. Berdasarkan jumlah keseluruhan pekerja bergaji sepenuh masa, kategori juruteknik dan profesional bersekutu merekodkan bilangan pekerja yang tertinggi (44,440 orang; 22.2%), diikuti oleh profesional (42,969 orang; 21.4%) dan pekerja sokongan perkeranian (29,631 orang; 14.8%).

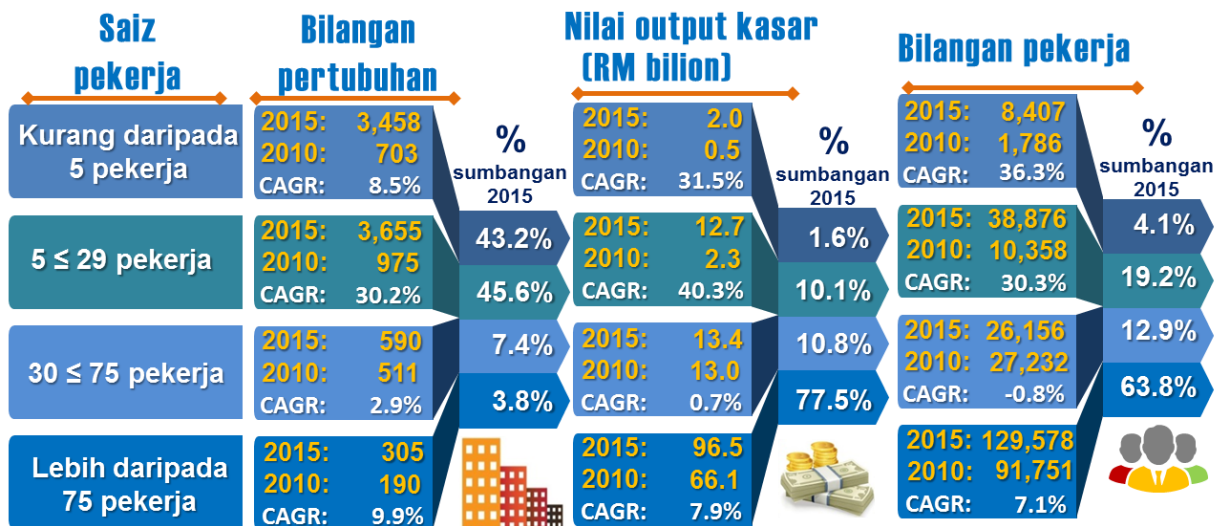
Paparan 1: Bilangan Pekerja bagi Perkhidmatan Maklumat dan Komunikasi mengikut Kategori Pekerja, 2015



6.1 SAIZ PEKERJA

Pertubuhan dengan saiz bilangan pekerja di antara 5 hingga 29 orang merupakan penyumbang tertinggi dengan 3,655 pertubuhan atau 45.6 peratus. Walaupun komposisi bilangan pertubuhan dengan saiz pekerja di antara 5 hingga 29 orang adalah besar, sumbangan kepada nilai output kasar dan pekerja masing-masing hanya 10.2 peratus dan 19.2 peratus seperti yang ditunjukkan dalam **Paparan 2**. Sebaliknya, pekerja bagi pertubuhan besar yang mempunyai 76 orang dan ke atas (sejumlah 305 pertubuhan), menyumbang kepada 63.8 peratus daripada jumlah pekerja dan 77.5 peratus kepada nilai output kasar.

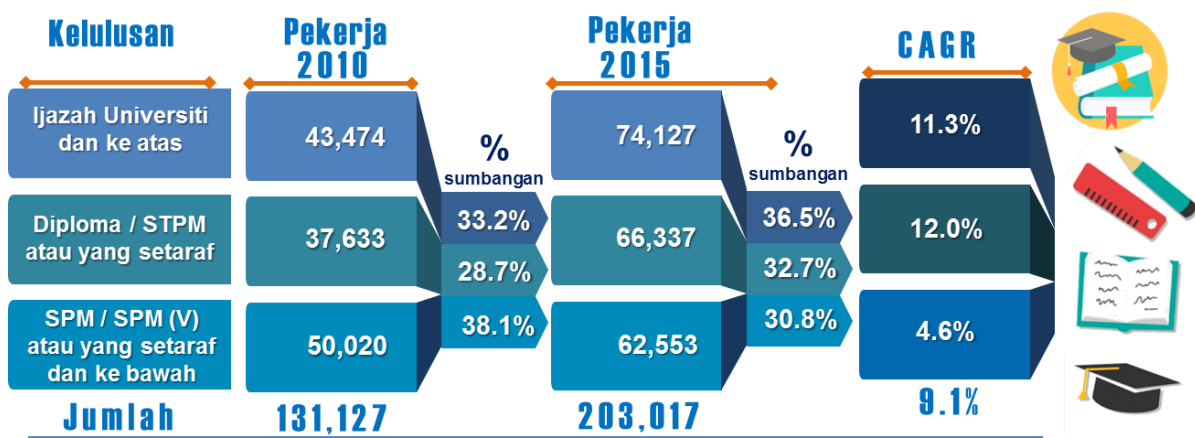
Paparan 2: Perangkaan Mengikut Saiz Pekerja bagi Perkhidmatan Maklumat dan Komunikasi, 2010 dan 2015



6.2 KELULUSAN PEKERJA

Pekerja dengan kelulusan ijazah universiti dan ke atas adalah majoriti dalam perkhidmatan maklumat dan komunikasi dengan jumlah 74,127 orang atau 36.5 peratus daripada jumlah pekerja pada tahun 2015 (CAGR 11.3%). Baki selebihnya adalah pekerja yang mempunyai kelulusan diploma / STPM atau yang setaraf, 66,337 orang (32.7% sumbangan; CAGR 12.0%) dan SPM / SPM (V) atau yang setaraf dan ke bawah, 62,553 orang (30.8% sumbangan; CAGR 4.6%) seperti di **Paparan 3**.

Paparan 3: Kelulusan Pekerja bagi Perkhidmatan Maklumat dan Komunikasi, 2010 dan 2015

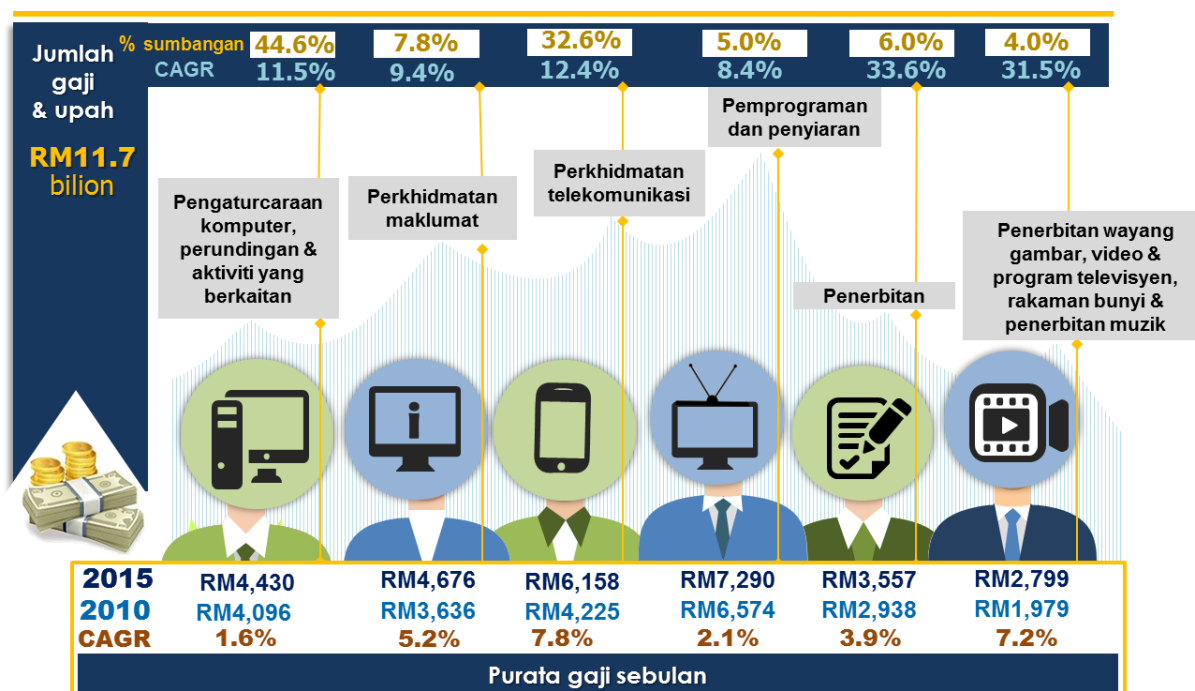


7. GAJI & UPAH

Jumlah gaji & upah yang dibayar pada tahun 2015 adalah sebanyak RM11.7 bilion berbanding RM6.4 bilion pada tahun 2010 mencatatkan CAGR 12.8 peratus setahun. Aktiviti pengaturcaraan komputer, perundingan & aktiviti yang berkaitan mencatatkan jumlah gaji & upah yang tertinggi dibayar iaitu RM5.2 bilion dengan sumbangan 44.6 peratus, diikuti oleh perkhidmatan telekomunikasi (RM3.8 bilion; 32.6%) dan aktiviti perkhidmatan maklumat (RM0.9 bilion; 7.8%).

Perkhidmatan maklumat dan komunikasi mencatatkan purata gaji bulanan sebanyak RM4,802 berbanding RM4,063 pada tahun 2010 dengan CAGR 3.4 peratus setahun. **Paparan 4** menunjukkan jumlah dan purata gaji sebulan bagi perkhidmatan ini mengikut aktiviti. Purata gaji sebulan yang tertinggi dicatatkan oleh aktiviti pemrograman & penyiaran sebanyak RM7,290, diikuti oleh perkhidmatan telekomunikasi (RM6,158) dan perkhidmatan maklumat (RM4,676).

Paparan 4: Gaji & Upah dan Purata Gaji Sebulan bagi Perkhidmatan Maklumat dan Komunikasi mengikut Aktiviti, 2010 dan 2015























8. PRESTASI MENGIKUT NEGERI

Paparan 5 menunjukkan bilangan pertubuhan, nilai output kasar dan nilai ditambah perkhidmatan maklumat dan komunikasi mengikut negeri. Selangor mencatatkan bilangan pertubuhan tertinggi sebanyak 4,045 pertubuhan daripada keseluruhan bilangan pertubuhan dalam perkhidmatan maklumat dan komunikasi dengan CAGR 28.1 peratus setahun di antara 2010 dan 2015. Ini diikuti oleh W.P. Kuala Lumpur (2,745 pertubuhan; 22.4%) dan Pulau Pinang (379 pertubuhan; 46.1%).

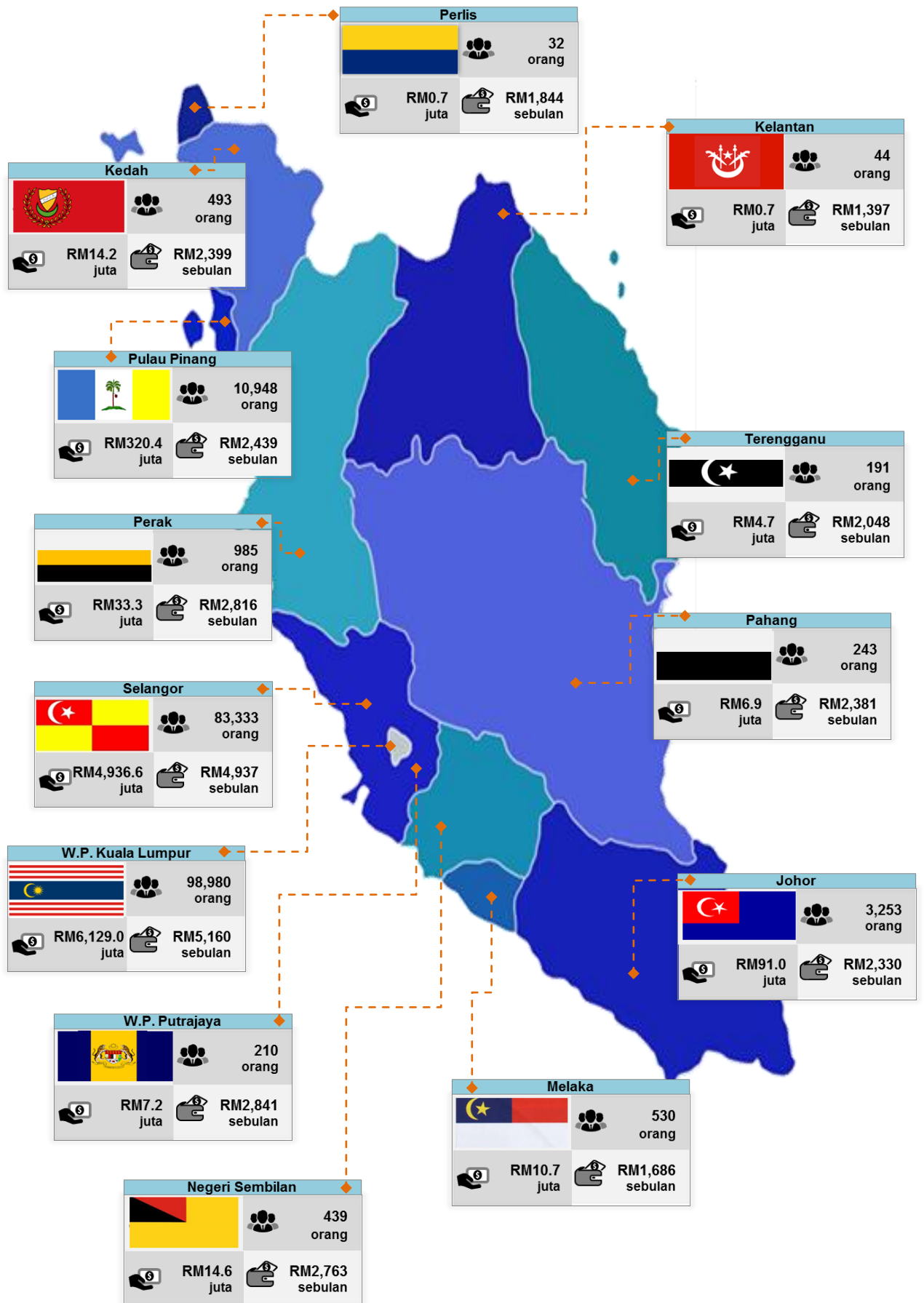
W.P. Kuala Lumpur merekodkan sumbangan tertinggi dari segi nilai output kasar iaitu sebanyak RM82.3 bilion dengan CAGR 6.9 peratus, diikuti oleh Selangor (RM36.1 bilion; 10.8%) dan Pulau Pinang (RM3.7 bilion; 56.6%). Selari dengan prestasi nilai output kasar, W.P. Kuala Lumpur juga adalah penyumbang yang tertinggi bagi nilai ditambah iaitu RM41.3 bilion dengan mencatatkan CAGR 7.3 peratus, diikuti oleh Selangor (RM18.4 bilion; 8.3%) dan Pulau Pinang (RM1.7 bilion; 50.0%). **Paparan 6** menunjukkan perangkaan utama lain mengikut negeri bagi perkhidmatan maklumat dan komunikasi.

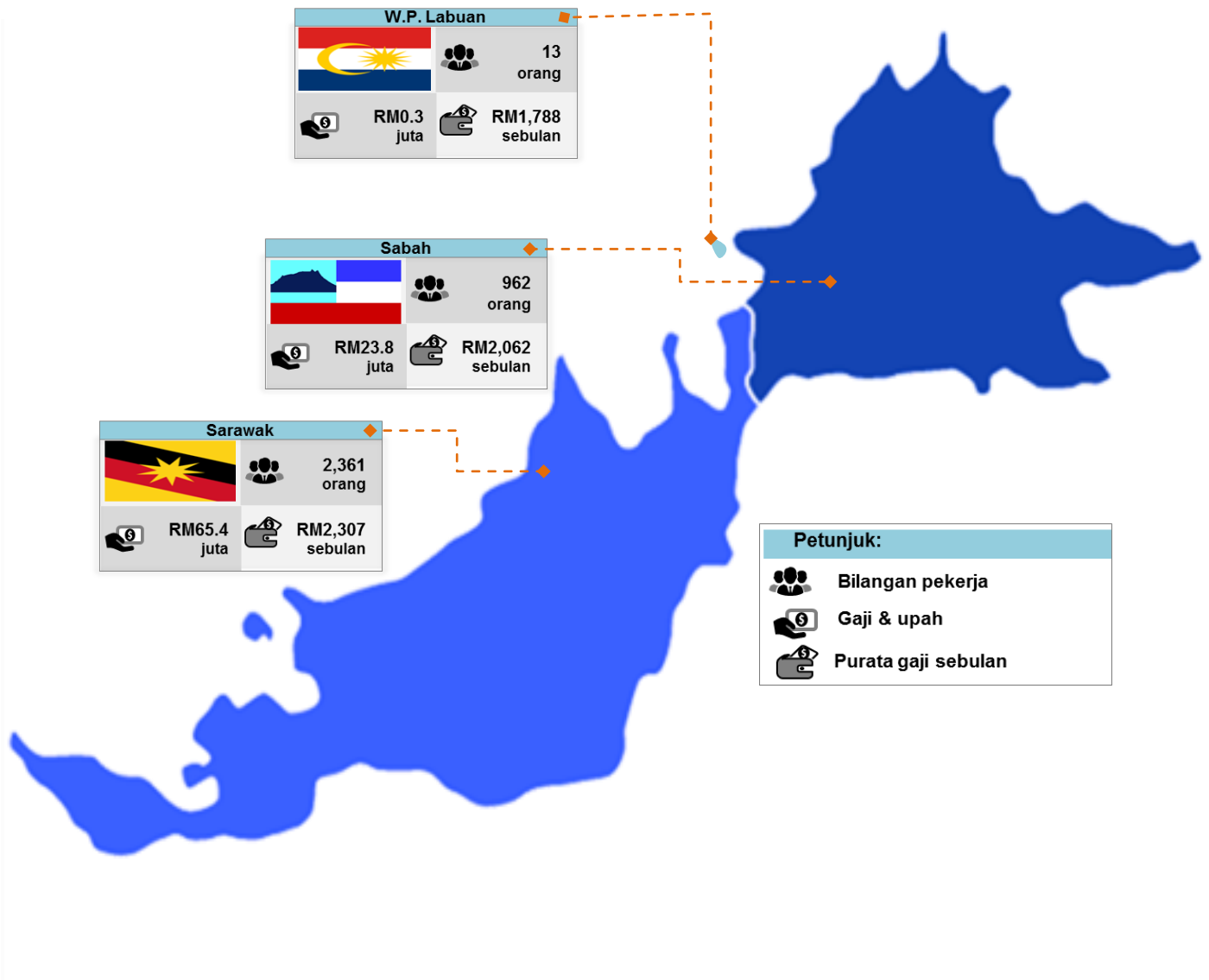
RINGKASAN PENEMUAN

Paparan 5: Bilangan Pertubuhan, Nilai Output Kasar dan Nilai ditambah bagi Perkhidmatan Maklumat dan Komunikasi mengikut Negeri, 2015

			 Bilangan pertubuhan		 Nilai output kasar (RM juta)		 Nilai ditambah (RM juta)	
			2015	CAGR	2015	CAGR	2015	CAGR
W.P. KUALA LUMPUR		2015	2,745	CAGR	82,264.3	CAGR	41,305.7	CAGR
		2010	1,001	22.4%	58,955.2	6.9%	28,987.8	7.3%
SELANGOR		2015	4,045	CAGR	36,115.1	CAGR	18,370.0	CAGR
		2010	1,171	28.1%	21,666.4	10.8%	12,357.4	8.3%
PULAU PINANG		2015	379	CAGR	3,690.9	CAGR	1,664.8	CAGR
		2010	57	46.1%	391.3	56.6%	219.4	50.0%
SARAWAK		2015	93	CAGR	793.9	CAGR	396.7	CAGR
		2010	21	34.7%	354.4	17.5%	219.8	12.5%
JOHOR		2015	286	CAGR	654.2	CAGR	320.8	CAGR
		2010	45	44.8%	156.4	33.1%	83.9	30.8%
PERAK		2015	138	CAGR	332.9	CAGR	134.5	CAGR
		2010	17	52.0%	34.6	57.3%	17.2	51.0%
SABAH		2015	63	CAGR	226.1	CAGR	94.3	CAGR
		2010	16	31.5%	209.6	1.5%	146.8	-8.5%
NEGERI SEMBILAN		2015	41	CAGR	140.6	CAGR	68.4	CAGR
		2010	11	30.1%	36.6	30.9%	20.0	27.9%
MELAKA		2015	87	CAGR	120.8	CAGR	58.8	CAGR
		2010	12	48.6%	19.1	44.6%	9.7	43.4%
PAHANG		2015	27	CAGR	110.2	CAGR	73.8	CAGR
		2010	2	68.3%	7.4	71.7%	3.1	88.9%
KEDAH		2015	54	CAGR	83.4	CAGR	36.5	CAGR
		2010	10	40.1%	16.7	38.0%	10.3	28.9%
W.P. PUTRAJAYA		2015	13	CAGR	49.6	CAGR	22.3	CAGR
		2010	-	-	-	-	-	-
TERENGGANU		2015	14	CAGR	16.2	CAGR	8.1	CAGR
		2010	7	14.9%	14.8	1.8%	6.4	4.7%
KELANTAN		2015	12	CAGR	3.3	CAGR	1.3	CAGR
		2010	9	5.9%	19.0	-29.8%	10.3	-37.9%
W.P. LABUAN		2015	4	CAGR	2.7	CAGR	2.0	CAGR
		2010	-	-	-	-	-	-
PERLIS		2015	7	CAGR	2.1	CAGR	0.9	CAGR
		2010	-	-	-	-	-	-
MALAYSIA		2015	8,008	CAGR	124,606.4	CAGR	62,558.9	CAGR
		2010	2,379	27.5%	81,881.4	8.8%	42,096.0	8.2%

Paparan 6: Perangkaan Utama Lain bagi Perkhidmatan Maklumat dan Komunikasi mengikut Negeri, 2015



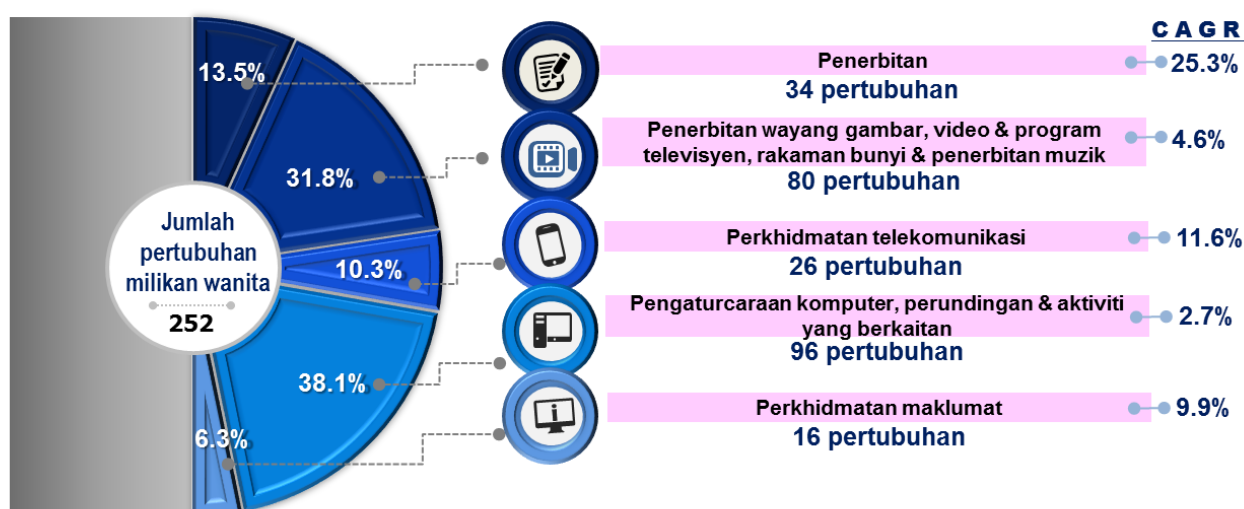


Sementara itu, bagi bilangan pekerja, W.P. Kuala Lumpur turut merekodkan bilangan pekerja yang tertinggi dalam perkhidmatan maklumat dan komunikasi iaitu 98,980 orang dengan sumbangan 48.8 peratus. Ini diikuti oleh Selangor 83,333 orang (41.0%) dan Pulau Pinang 10,948 orang (5.4%). Gaji & upah yang tertinggi dibayar adalah di W.P. Kuala Lumpur iaitu RM6.1 bilion dengan purata gaji sebulan RM5,160, diikuti Selangor (RM4.9 bilion; RM4,937 sebulan) dan Pulau Pinang (RM0.3 bilion; RM2,439 sebulan).

9. PERTUBUHAN MILIKAN WANITA

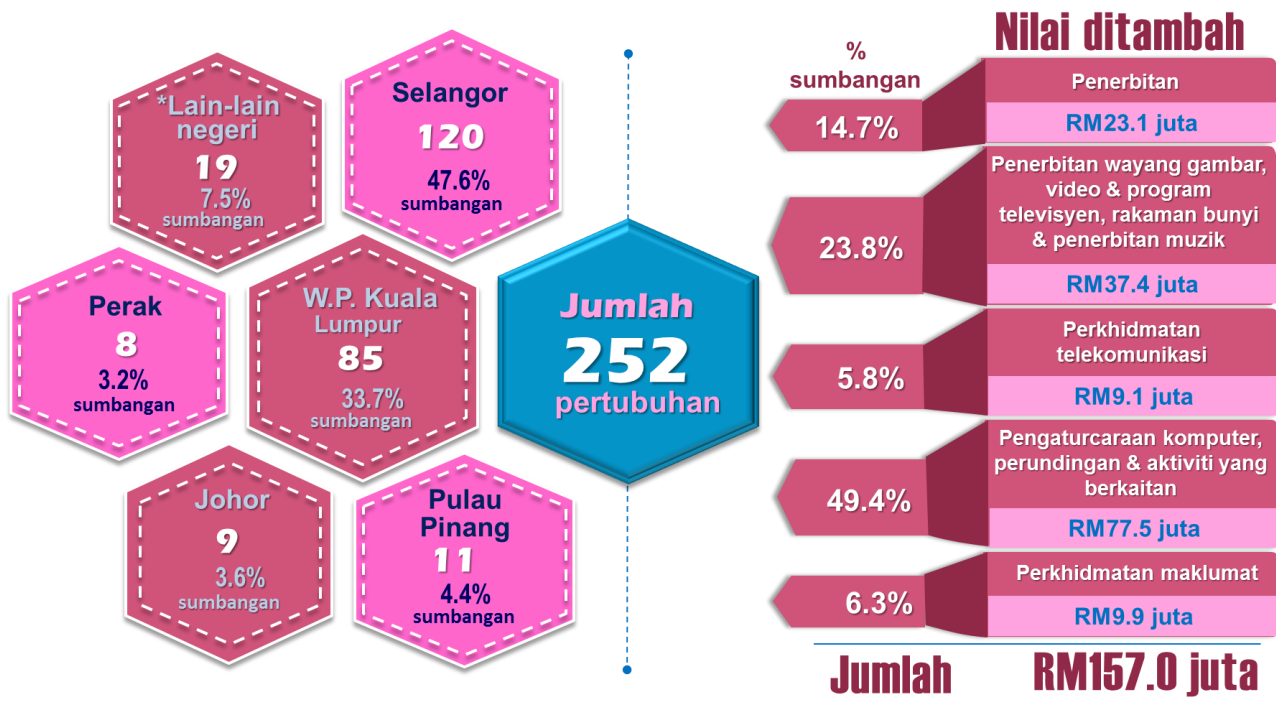
Pada tahun 2015, terdapat 252 pertubuhan milikan wanita dalam perkhidmatan maklumat dan komunikasi (**Carta 4**) berbanding 184 pertubuhan pada tahun 2010 dengan pertumbuhan tahunan 6.5 peratus. Jumlah ini merupakan 3.2 peratus daripada jumlah keseluruhan pertubuhan bagi perkhidmatan ini. Bilangan tertinggi milikan wanita dicatatkan oleh aktiviti pengaturcaraan komputer, perundingan & aktiviti yang berkaitan iaitu sebanyak 96 pertubuhan, diikuti oleh aktiviti penerbitan wayang gambar, video & program televisyen, rakaman bunyi & penerbitan muzik (80 pertubuhan) dan aktiviti penerbitan (34 pertubuhan).

Carta 4: Pertubuhan Milikan Wanita bagi Perkhidmatan Maklumat dan Komunikasi mengikut Aktiviti, 2015



Bilangan pertubuhan tertinggi direkodkan di Selangor berjumlah 120 pertubuhan dengan sumbangan 47.6 peratus, diikuti oleh W.P. Kuala Lumpur (33.7%) dan Pulau Pinang (4.4%). Jumlah nilai ditambah yang dihasilkan oleh pertubuhan milikan wanita dalam perkhidmatan maklumat dan komunikasi adalah RM157.0 juta. Aktiviti pengaturcaraan komputer, perundingan & aktiviti yang berkaitan adalah penyumbang tertinggi bagi nilai ditambah iaitu RM77.5 juta dengan sumbangan 49.4 peratus. Ini diikuti oleh aktiviti penerbitan wayang gambar, video & program televisyen, rakaman bunyi & penerbitan muzik (RM37.4 juta; 23.8%) dan aktiviti penerbitan (RM23.1 juta; 14.7%) seperti di **Paparan 7**.

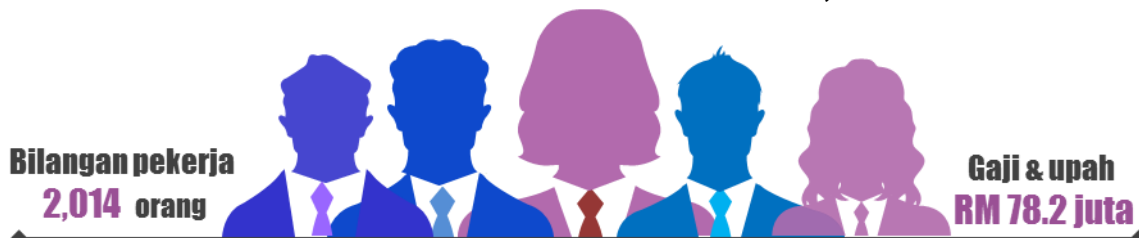
Paparan 7: Pertubuhan Milikan Wanita mengikut Negeri dan Nilai Ditambah mengikut Aktiviti bagi Perkhidmatan Maklumat dan Komunikasi, 2015



Nota: * Lain-lain negeri merujuk kepada negeri Kedah, Sarawak, Melaka, Pahang, Kelantan, Negeri Sembilan, Perlis, Terengganu, Sabah dan W.P. Putrajaya

Paparan 8 menunjukkan bilangan pekerja dan gaji & upah bagi pertubuhan milikan wanita 2015. Ianya merekodkan seramai 2,014 orang dan jumlah gaji & upah yang dibayar adalah sebanyak RM78.2 juta.

Paparan 8: Bilangan Pekerja dan Gaji & Upah Pertubuhan Milikan Wanita bagi Perkhidmatan Maklumat dan Komunikasi, 2015



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1. INTRODUCTION

This report presents statistics on the information and communication services that was compiled based on Economic Census undertaken in 2016 for reference year 2015. Information and communication services comprises activity of publishing; motion picture, video and television programme production, sound recording and music publishing; programming and broadcasting; telecommunications services; computer programming, consultancy & related activities and information services.

2. PERFORMANCE OF INFORMATION AND COMMUNICATION SERVICES

Based on Economic Census 2016, a number of 8,008 establishments was recorded with total value of gross output generated RM124.6 billion and value added of RM62.6 billion. Number of persons engaged in this services was 203,017 persons with salaries and wages paid amounting to RM11.7 billion. In terms of fixed assets value, this services registered RM82.8 billion for the reference year 2015. **Table 1** shows key statistics for information and communication services in 2010 and 2015.

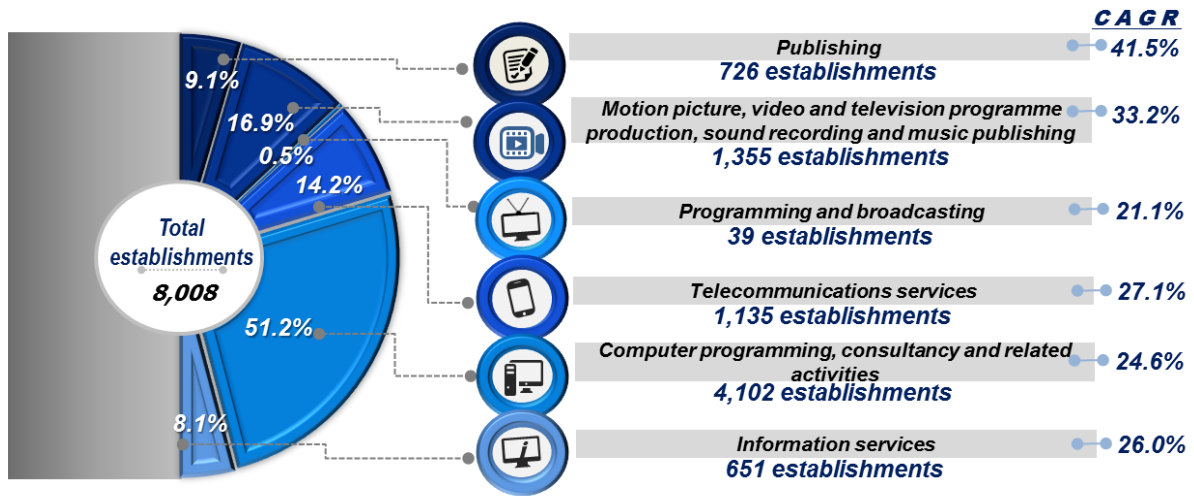
Table 1: Key Statistics for Information and Communication Services, 2010 and 2015

	Number of establishments	Value of gross output (RM billion)	Value of intermediate input (RM billion)	Value added (RM billion)	Number of persons engaged	Salaries & wages (RM billion)	Value of fixed assets (RM billion)
2015	8,008	124.6	62.0	62.6	203,017	11.7	82.8
2010	2,379	81.9	39.8	42.1	131,127	6.4	30.0
CAGR	27.5%	8.8%	9.3%	8.2%	9.1%	12.8%	22.5%

3. NUMBER OF ESTABLISHMENTS

In 2015, a total of 8,008 establishments operated in information and communication services compared to 2,379 establishments in 2010, increased by 5,629 establishments. The compound annual growth rate (CAGR) was 27.5 per cent annually. Computer programming, consultancy and related activities recorded the highest number of establishments of 4,102 with percentage share of 51.2 per cent (**Chart 1**). This was followed by motion picture, video and television programme production, sound recording and music publishing activities (1,355 establishments; 16.9%) and telecommunications services (1,135 establishments; 14.2%).

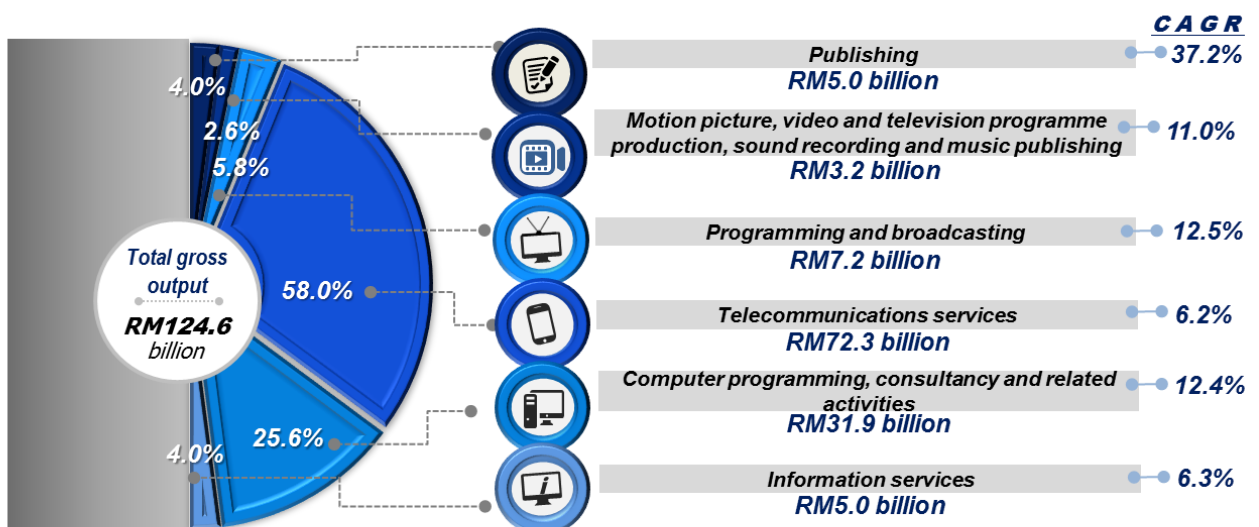
Chart 1: Number of Establishments for Information and Communication Services by Activity, 2015



4. VALUE OF GROSS OUTPUT

Total value of RM124.6 billion for gross output was generated for this services (2010: RM81.9 billion), registered CAGR of 8.8 per cent per year. Percentage share of gross output by activity is presented in **Chart 2**, which telecommunications services recorded the highest gross output value of RM72.3 billion with percentage share of 58.0 per cent. It was followed by computer programming, consultancy and related activities (RM31.9 billion; 25.6%) and programming and broadcasting activities (RM7.2 billion; 5.8%).

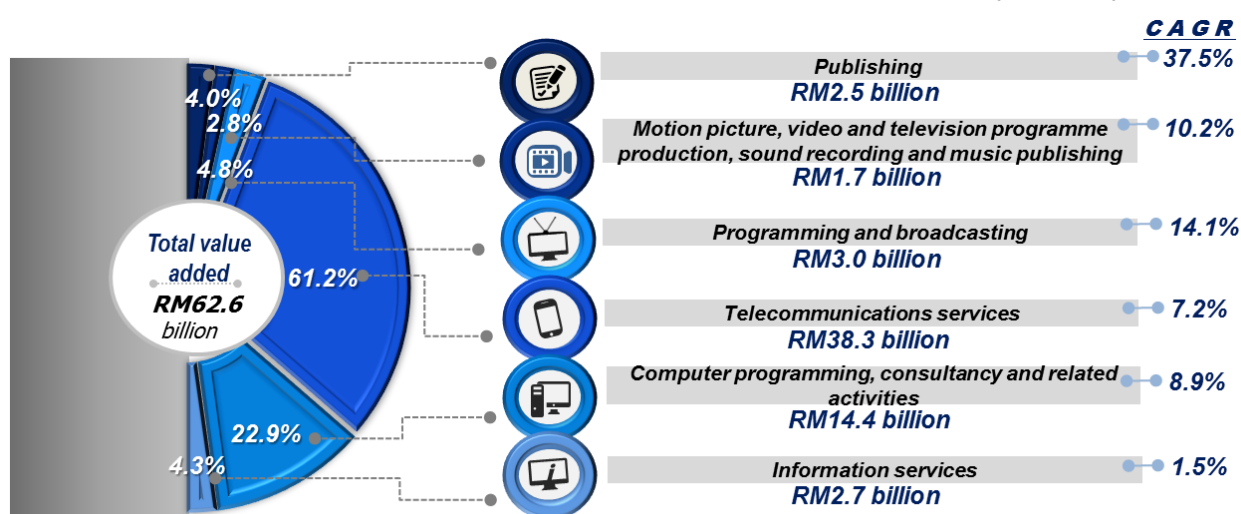
Chart 2: Gross Output for Information and Communication Services by Activity, 2015



5. VALUE ADDED

In 2015, total value added for information and communication services was RM62.6 billion (2010: RM42.1 billion) with CAGR of 8.2 per cent annually. **Chart 3** presents the percentage share of value added for this services by activity. In line with the value of gross output, telecommunications services recorded the highest value added amounting RM38.3 billion with percentage share of 61.2 per cent. This was followed by computer programming, consultancy and related activities (RM14.3 billion; 22.9%) and programming and broadcasting activities (RM3.0 billion; 4.8%).

Chart 3: Value Added for Information and Communication Services by Activity, 2015



6. NUMBER OF PERSONS ENGAGED

Information and communication services posted 203,017 number of persons engaged in 2015 compared to 131,127 persons in 2010, to register CAGR at 9.1 per cent per year. Computer programming, consultancy & related activities were the highest number of persons engaged, to record 98,232 persons with percentage share of 48.4 per cent, followed by telecommunications services (51,510 persons; 25.4%) and publishing activities (16,480 persons; 8.1%).

Referring to **Exhibit 1**, a total of 200,558 persons were recorded as paid full-time employees with percentage share of 98.8 per cent, while paid part-time employees (1,781 persons; 0.9%) and working owners & unpaid family workers (678 persons; 0.3%). Technicians and associate professionals were the highest number of persons engaged (44,440 persons; 22.2%) as full-time paid employees, followed by professionals (42,969 persons; 21.4%) and clerical support workers (29,631 persons; 14.8%).

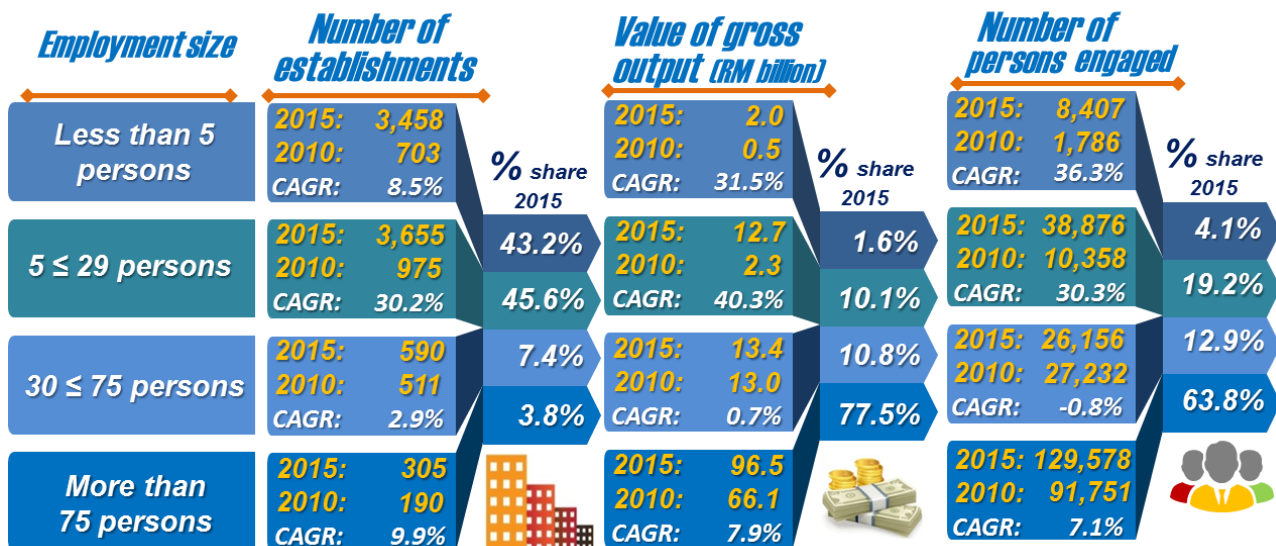
Exhibit 1: Number of Persons Engaged for Information and Communication Services by Category, 2015



6.1 EMPLOYMENT SIZE

Establishments with employment size between 5 to 29 persons posted the highest number 3,655 establishments or 45.6 per cent. Although in composition number of establishments with size between 5 to 29 persons were the largest, the contribution to value of gross output and number of persons engaged were only 10.2 per cent and 19.2 per cent respectively as shown in **Exhibit 2**. On the other hand, large establishments with 76 and above number of persons engaged (constituted 305 establishments), contributed 63.8 per cent of total number of persons engaged and 77.5 per cent of gross output value.

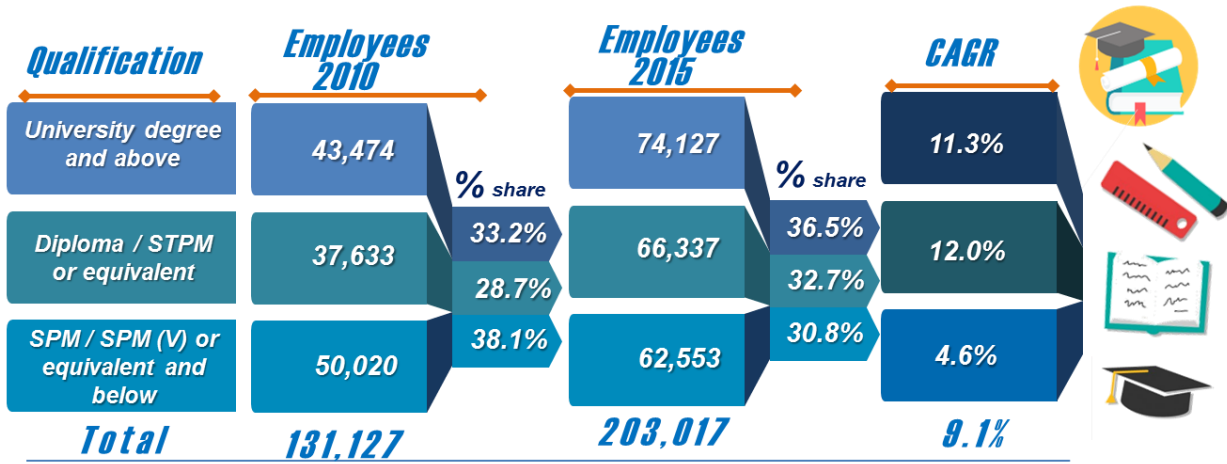
Exhibit 2: Statistics by Employment Size in Information and Communication Services, 2010 and 2015



6.2 QUALIFICATION OF EMPLOYEES

Employees with qualification of university degree and above were the majority in the information and communication services with 74,127 persons or 36.5 per cent of total number of persons engaged in 2015 (CAGR 11.3%). The remaining were holders of diploma/STPM or equivalent, 66,337 persons (percentage share of 32.7%; CAGR 12.0%) and SPM/SPM (V) or equivalent and below, 62,553 persons (percentage share of 30.8%; CAGR 4.6%) as illustrated in **Exhibit 3**.

Exhibit 3: Qualification of Employees in Information and Communication Services, 2010 and 2015



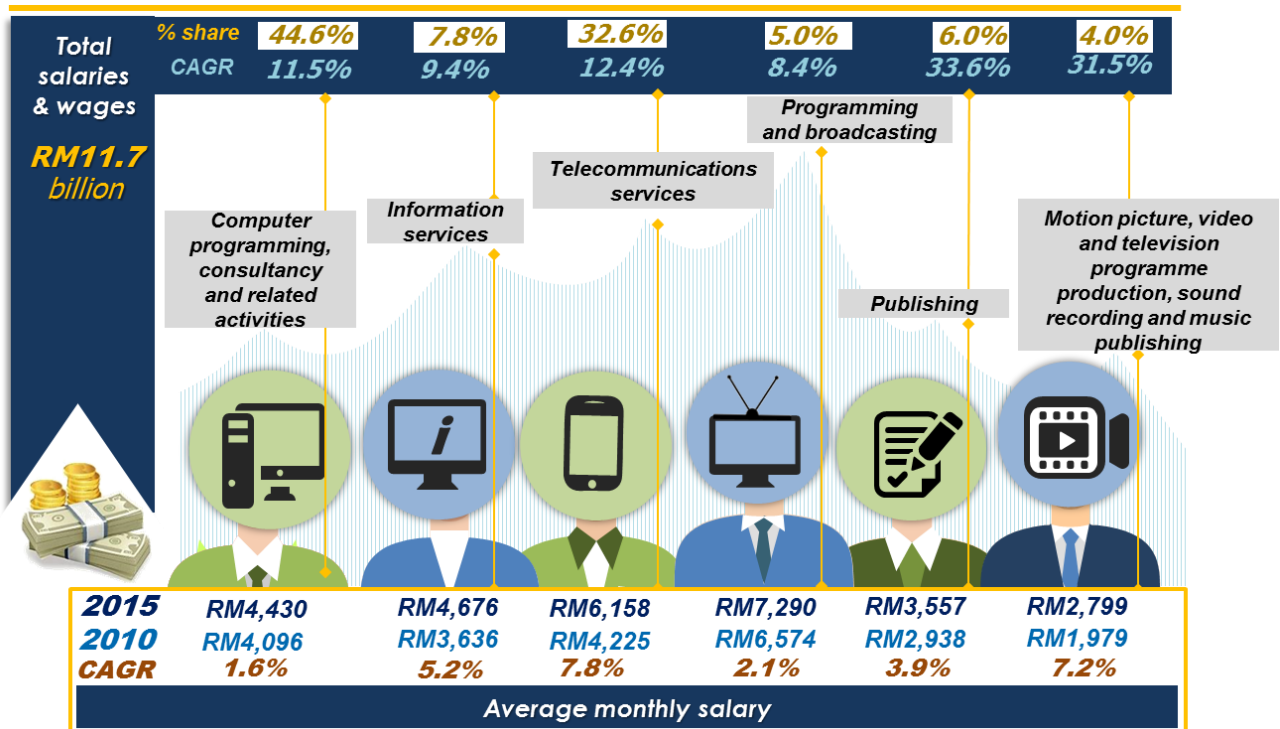
7. SALARIES & WAGES

Total salaries & wages paid in 2015 were RM11.7 billion compared to RM6.4 billion in 2010 registering CAGR of 12.8 per cent annually. Computer programming, consultancy and related activities was the highest activities with a total salaries & wages paid RM5.2 billion with percentage share of 44.6 per cent, followed by telecommunications services (RM3.8 billion; 32.6%) and information services activities (RM0.9 billion; 7.8%).

Average monthly salary of information and communication services recorded RM4,802 compared to RM4,063 in 2010 with CAGR 3.4 per cent per year. **Exhibit 4** presented the total and average monthly salary for this services by activity. The highest average monthly salary was programming and broadcasting activities with RM7,290, followed by telecommunications services (RM6,158) and information services activities (RM4,676).

SUMMARY OF FINDINGS

Exhibit 4: Salaries & Wages and Average Monthly Salary for Information and Communication Services by Activity, 2010 and 2015



8. PERFORMANCE BY STATE

Exhibit 5 shows the number of establishments, value of gross output and value added for information and communication services by state. Selangor recorded the highest total number of establishments by 4,045 establishments with CAGR 28.1 per cent per annum between 2010 and 2015. It was followed by W.P. Kuala Lumpur (2,745 establishments; 22.4%) and Pulau Pinang (379 establishments; 46.1%).

W.P. Kuala Lumpur contributed the highest value of gross output, RM82.3 billion; CAGR 6.9 per cent, followed by Selangor (RM36.1 billion; 10.8%) and Pulau Pinang (RM3.7 billion; 56.6%). In line with the performance of gross output value, W.P. Kuala Lumpur was the top contributor for value added (RM41.3 billion) recorded CAGR 7.3 per cent, followed by Selangor (RM18.4 billion; 8.3%) and Pulau Pinang (RM1.7 billion; 50.0%). Other key statistics of information and communication services by state are shown in **Exhibit 6**.

SUMMARY OF FINDINGS

Exhibit 5: Number of Establishments, Value of Gross Output and Value Added for Information and Communication Services by State, 2015





















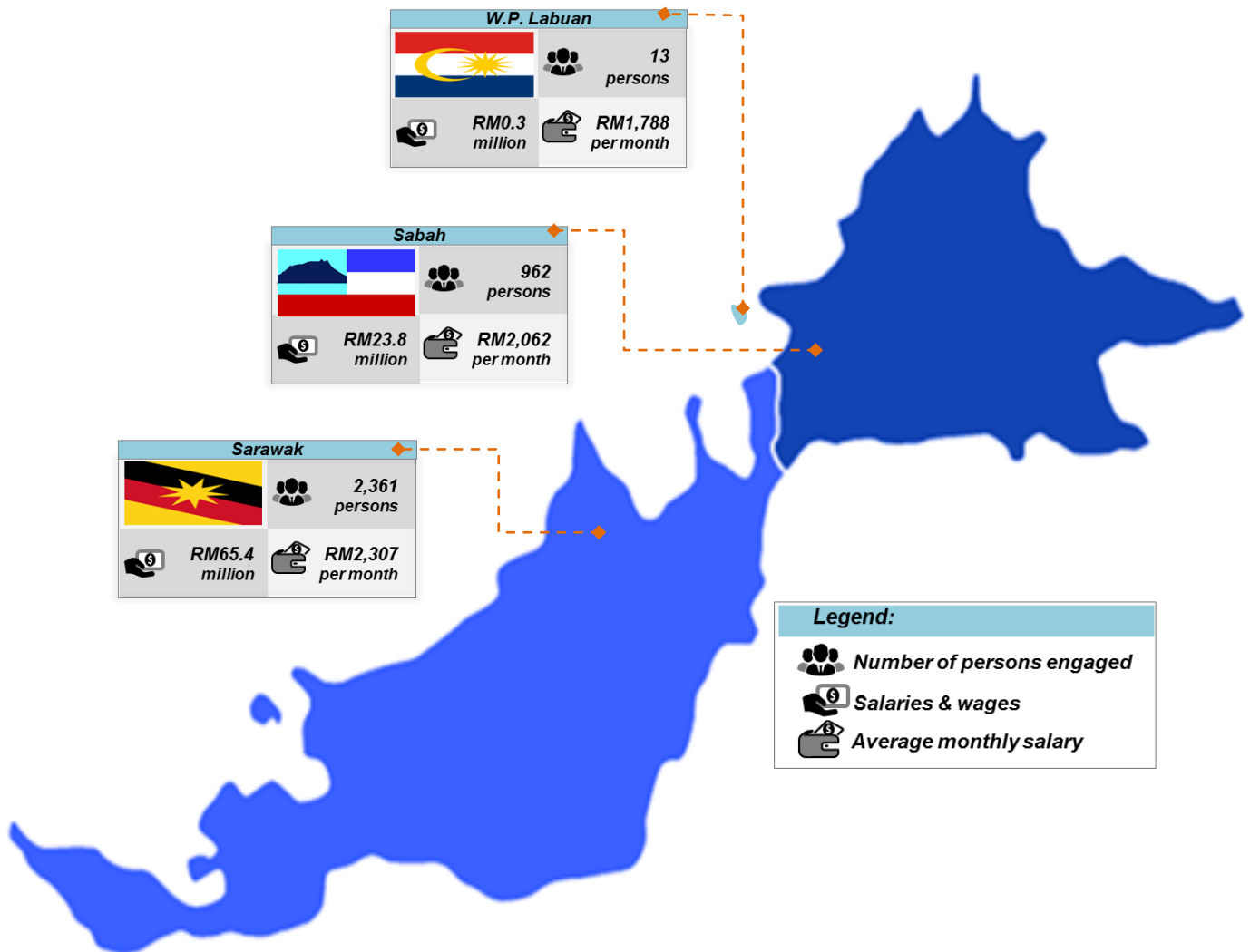
			 Number of establishments		 Value of gross output (RM million)		 Value added (RM million)				
			2015	2010	CAGR	2015	2010	CAGR	2015	2010	CAGR
W.P. KUALA LUMPUR		2015	2,745	1,001	CAGR	82,264.3	58,955.2	CAGR	41,305.7	28,987.8	CAGR
		2010			22.4%			6.9%			7.3%
SELANGOR		2015	4,045	1,171	CAGR	36,115.1	21,666.4	CAGR	18,370.0	12,357.4	CAGR
		2010			28.1%			10.8%			8.3%
PULAU PINANG		2015	379	57	CAGR	3,690.9	391.3	CAGR	1,664.8	219.4	CAGR
		2010			46.1%			56.6%			50.0%
SARAWAK		2015	93	21	CAGR	793.9	354.4	CAGR	396.7	219.8	CAGR
		2010			34.7%			17.5%			12.5%
JOHOR		2015	286	45	CAGR	654.2	156.4	CAGR	320.8	83.9	CAGR
		2010			44.8%			33.1%			30.8%
PERAK		2015	138	17	CAGR	332.9	34.6	CAGR	134.5	17.2	CAGR
		2010			52.0%			57.3%			51.0%
SABAH		2015	63	16	CAGR	226.1	209.6	CAGR	94.3	146.8	CAGR
		2010			31.5%			1.5%			-8.5%
NEGERI SEMBILAN		2015	41	11	CAGR	140.6	36.6	CAGR	68.4	20.0	CAGR
		2010			30.1%			30.9%			27.9%
MELAKA		2015	87	12	CAGR	120.8	19.1	CAGR	58.8	9.7	CAGR
		2010			48.6%			44.6%			43.4%
PAHANG		2015	27	2	CAGR	110.2	7.4	CAGR	73.8	3.1	CAGR
		2010			68.3%			71.7%			88.9%
KEDAH		2015	54	10	CAGR	83.4	16.7	CAGR	36.5	10.3	CAGR
		2010			40.1%			38.0%			28.9%
W.P. PUTRAJAYA		2015	13	-	CAGR	49.6	-	CAGR	22.3	-	CAGR
		2010			-			-			-
TERENGGANU		2015	14	7	CAGR	16.2	14.8	CAGR	8.1	6.4	CAGR
		2010			14.9%			1.8%			4.7%
KELANTAN		2015	12	9	CAGR	3.3	19.0	CAGR	1.3	10.3	CAGR
		2010			5.9%			-29.8%			-37.9%
W.P. LABUAN		2015	4	-	CAGR	2.7	-	CAGR	2.0	-	CAGR
		2010			-			-			-
PERLIS		2015	7	-	CAGR	2.1	-	CAGR	0.9	-	CAGR
		2010			-			-			-
MALAYSIA		2015	8,008	2,379	CAGR	124,606.4	81,881.4	CAGR	62,558.9	42,096.0	CAGR
		2010			27.5%			8.8%			8.2%

Exhibit 6: Key Statistics Information and Communication Services by State, 2015



SUMMARY OF FINDINGS

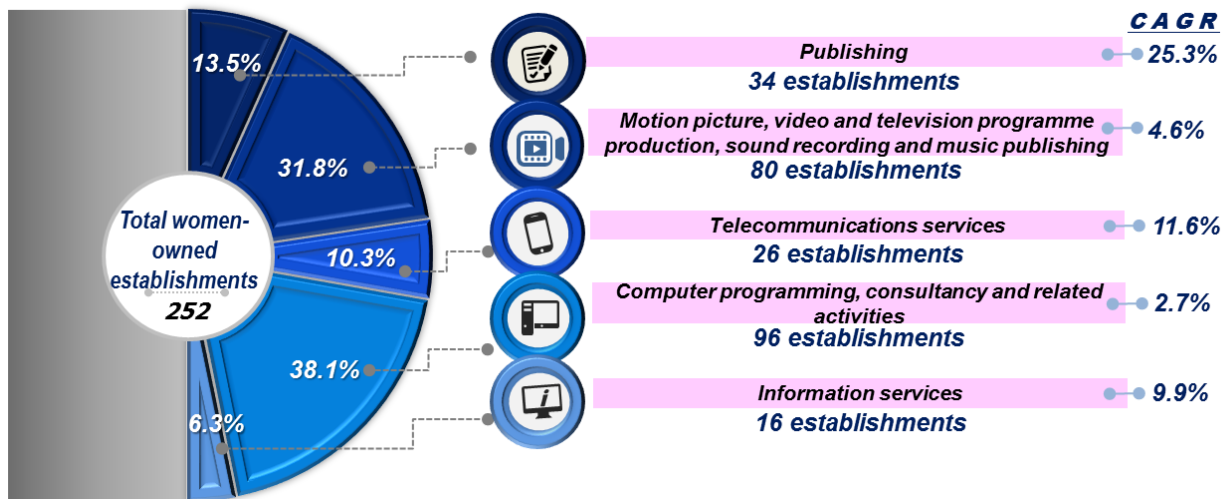


In terms of number of persons engaged, W.P. Kuala Lumpur also recorded as the most number of person engaged for information and communication services with 98,980 persons and percentage share of 48.8 per cent. This was followed by Selangor 83,333 persons (41.0%) and Pulau Pinang 10,948 persons (5.4%). Salaries & wages paid were the most in W.P. Kuala Lumpur posted RM6.1 billion with average monthly salary of RM5,160, followed by Selangor (RM4.9 billion; RM4,937 per month) and Pulau Pinang (RM0.3 billion; RM2,439 per month).

9. WOMEN-OWNED ESTABLISHMENTS

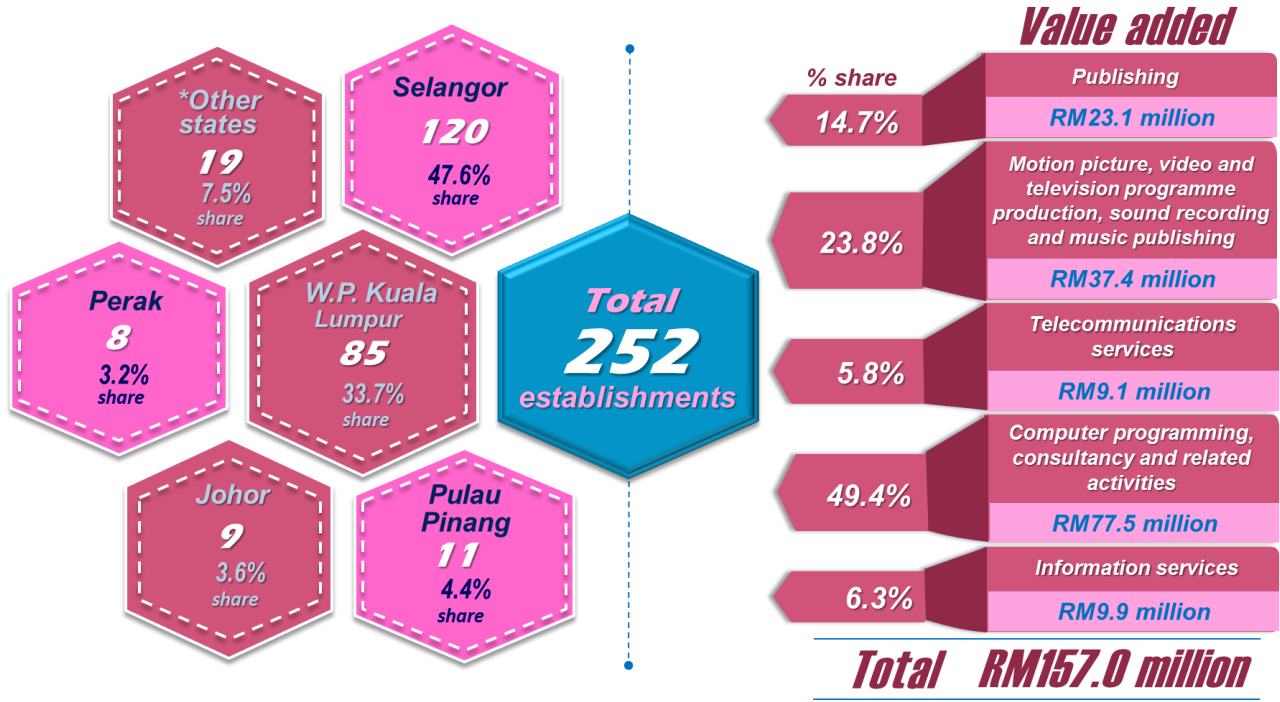
In 2015, there were 252 women-owned establishments in information and communication services (**Chart 4**) compared to 184 establishments in 2010 which posted CAGR 6.6 per cent per year. It was accounted for 3.2 per cent of the total establishments in this services. The highest number of women-owned establishments was recorded in computer programming, consultancy and related activities with 96 establishments, followed by motion picture, video and television programme production, sound recording and music publishing activities (80 establishments) and publishing activities (34 establishments).

Chart 4: Women-owned Establishments for Information and Communication Services by Activity, 2015



The highest number of establishments was recorded in Selangor amounted to 120 establishments with percentage share of 47.6 per cent, followed by W.P. Kuala Lumpur (33.7%) and Pulau Pinang (4.4%). In terms of value added, RM157.0 million was generated by women-owned establishments in information and communication services. Computer programming, consultancy and related activities was the major contributor for value added, RM77.5 million with percentage share of 49.4 per cent. This was followed by motion picture, video and television programme production, sound recording and music publishing activities (RM37.4 million; 23.8%) and publishing activities (RM23.1 million; 14.7%) as shown in **Exhibit 7**.

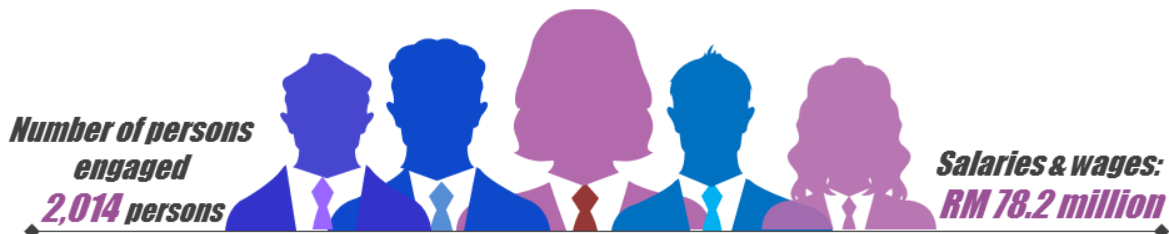
Exhibit 7: Women-owned Establishments by State and Value Added by Activity for Information and Communication Services, 2015



Note: * Other states refer to Kedah, Sarawak, Melaka, Pahang, Kelantan, Negeri Sembilan, Perlis, Terengganu, Sabah and W.P. Putrajaya

Exhibit 8 shows that number of persons engaged and salaries & wages in women-owned establishments 2015. It was recorded 2,014 persons engaged and the total salaries & wages disbursed amounted to RM78.2 million.

Exhibit 8: Number of Persons Engaged and Salaries & Wages of Women-owned Establishments for Information and Communication Services, 2015



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BAHAGIAN 2

PART 2

**NOTA
TEKNIKAL**

*TECHNICAL
NOTES*

1. Skop dan liputan

Banci ini meliputi pertubuhan berdaftar yang terlibat dalam **perkhidmatan maklumat dan komunikasi** yang merangkumi aktiviti utama berikut:

- i. Penerbitan;
- ii. Penerbitan wayang gambar, video & program televisyen, rakaman bunyi & penerbitan muzik;
- iii. Pemrograman dan penyiaran;
- iv. Perkhidmatan telekomunikasi;
- v. Pengaturcaraan komputer, perundingan & aktiviti yang berkaitan; dan
- vi. Perkhidmatan maklumat.

Keseluruhan liputan banci bagi perkhidmatan maklumat dan komunikasi terdiri daripada 35 industri di peringkat 5-digit mengikut Piawaian Klasifikasi Industri Malaysia (MSIC), 2008. Senarai lengkap industri yang diliputi ditunjukkan di **Lampiran**.

Liputan bagi tahun 2010 ke atas dan 2009 ke bawah adalah tidak sama disebabkan pengkelasan aktiviti yang berbeza (tahun 2010 ke atas – MSIC 2008; tahun 2009 ke bawah - MSIC 2000). Aktiviti penerbitan tidak diliputi dalam perkhidmatan maklumat dan komunikasi sebelum tahun 2009 dan aktiviti penerbitan wayang gambar, video dan program televisyen, rakaman bunyi dan penerbitan muzik hanya diliputi dalam perkhidmatan ini selepas tahun 2010.

2. Sumber rangka

Sumber utama rangka pertubuhan diperoleh daripada agensi seperti Suruhanjaya Syarikat Malaysia (SSM), Pihak Berkuasa Tempatan (PBT), Registrar of Societies (ROS), Suruhanjaya Koperasi Malaysia (SKM), Kementerian Belia dan Sukan dan sumber-sumber lain.

Rangka dikemaskini setiap tahun untuk mengambil kira pertubuhan baru dan sebarang perubahan dalam status pertubuhan seperti tutup, tidak beroperasi, perubahan jenis aktiviti atau alamat untuk memastikan maklumat yang terdapat di dalam rangka adalah yang paling terkini.

3. Jenis aktiviti perniagaan

Jenis aktiviti perniagaan merujuk kepada aktiviti utama dan sekunder. Aktiviti utama merujuk kepada aktiviti yang mana

pertubuhan menggunakan sebahagian besar daripada sumbernya atau yang memberikan sumbangan besar dari segi pendapatan. Aktiviti sekunder didefinisikan sebagai aktiviti sampingan kepada aktiviti utama. Klasifikasi industri bagi pertubuhan adalah mengikut aktiviti utamanya berdasarkan kepada **Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver.1.0**. MSIC 2008 ver.1.0 adalah selaras dengan Piawaian Klasifikasi Industri Antarabangsa bagi Semua Aktiviti Ekonomi (ISIC), Semakan Ke-4, Pertubuhan Bangsa-Bangsa Bersatu, dengan pengubahsuaian untuk keperluan tempatan.

4. Konsep dan definisi

Definisi perkhidmatan maklumat dan komunikasi yang diguna pakai dalam penerbitan ini berasaskan kepada Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver 1.0:

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, rakaman bunyi dan penerbitan muzik

Aktiviti penerbitan wayang gambar, video dan program televisyen, rakaman bunyi dan penerbitan muzik 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.

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. Perkhidmatan telekomunikasi

Perkhidmatan 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. 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.

5. Unit melapor

Bilangan pertubuhan yang dilaporkan dalam penerbitan ini berbeza dengan data awalan yang diterbitkan dalam penerbitan Banci Ekonomi 2016 Statistik Pertubuhan. Perbezaan ini disebabkan oleh analisis terkini status cawangan pertubuhan.

Unit pelapor bagi banci ini ialah **pertubuhan**. Sesebuah pertubuhan secara ideal 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 subsektor ekonomi utama di satu tempat/lokasi fizikal”. Setiap pertubuhan diberikan klasifikasi industri berdasarkan aktiviti utamanya dan bukannya mengikut aktiviti syarikat induk.

Setiap cawangan daripada organisasi yang mempunyai beberapa 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 praktikal akaun biasanya disediakan secara berpusat kerana kesukaran untuk memperoleh data yang berasingan bagi setiap unit atau cawangan. Entiti atau ‘enterprise’ ini akan dianggap sebagai satu unit pelapor dan dibenarkan mengemukakan soal selidik yang menggabungkan semua unit atau cawangannya.

6. Nilai output kasar

Nilai output kasar ditakrifkan dengan memasukkan perkara berikut:

- Pendapatan daripada perkhidmatan yang diberikan
- + Pendapatan daripada pengiklanan dan ruang pengiklanan atas talian

- + Pendapatan langganan dan pendapatan daripada pembekalan rancangan kepada pertubuhan lain
- + Pendapatan daripada perkhidmatan instalasi rangkaian telekomunikasi serta perkhidmatan pembaikan dan penyelenggaraan peralatan telekomunikasi
- + Royalti, hakcipta, pelesenan, yuran francais dan lesen hak cipta untuk menggunakan kandungan sindiket media
- + Pendapatan daripada perkhidmatan pengurusan, komisen dan brokeraj yang diperoleh
- + Pendapatan sewa yang diterima (kecuali tanah) dan pemajakan perkakasan komputer
- + Pendapatan operasi lain
- + Perbelanjaan penyelidikan dan pembangunan dalaman
- + Nilai harta tetap yang dibuat / dibina sendiri
- + Nilai barang yang dijual dalam keadaan yang sama seperti dibeli
- Kos barang dijual dalam keadaan yang sama seperti dibeli

7. Nilai input perantaraan

Bermula tahun 2014, perbelanjaan penyelidikan dan pembangunan telah dikeluarkan daripada pengiraan input perantaraan dan diambilkira sebagai perbelanjaan harta selaras dengan penggunaan Recommendation of System of National Accounts (SNA) 2008. Nilai input perantaraan ditakrifkan dengan memasukkan perkara berikut:

- Pembelian barangan, bahan dan perkhidmatan
- + Bayaran pemprosesan data dan lain-lain yang berkaitan dengan teknologi maklumat
- + Kos bahan yang digunakan termasuk bahan untuk pembaikan dan penyelenggaraan
- + Kos filem dibeli untuk tayangan, bayaran kepada pembekal rancangan dan bayaran untuk penyewaan filem
- + Jumlah bayaran *outsourcing*, bayaran pembaikan dan penyelenggaraan semasa yang dibuat oleh pihak lain serta bayaran untuk membekalkan pekerja
- + Bayaran perhubungan antara tempatan dan bayaran keluar antarabangsa
- + Bayaran royalti kepada organisasi bukan kerajaan / tajaan korporat (tempatan dan luar negara)

- + Bayaran telekomunikasi, pos dan percetakan
- + Pengiklanan dan promosi, perbelanjaan perjalanan dan hiburan, komisen dan bayaran agensi
- + Perbelanjaan elektrik, air, bahan pembakar, pelincir, gas, alat tulis, bekalan pejabat dan bekalan lain
- + Bayaran perakaunan, kesetiausahaan, audit, guaman dan perkhidmatan profesional lain
- + Bayaran pengurusan, caj bank, tuntutan waranti dan premium insurans kecuali insurans pampasan pekerja
- + Pembelian perkhidmatan pengangkutan dan bayaran perkhidmatan keselamatan
- + Bayaran sewa (tidak termasuk sewa penggunaan tanah)
- + Bayaran kepada pengarah tidak bekerja kerana kehadiran mereka dalam mesyuarat Lembaga Pengarah
- + Nilai pakaian percuma yang disediakan dan kos latihan kepada pekerja
- + CBP pada pembelian bersih yang tidak boleh dituntut sebagai cukai input
- + Perbelanjaan operasi lain
- + Stok awal kecuali stok perdagangan
- Stok akhir kecuali stok perdagangan

8. Nilai ditambah

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

9. Bilangan pekerja

Bilangan 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 kepada 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 tetap, sama ada dalam bentuk wang tunai atau harta benda bagi kerja yang dilakukan. Biasanya pekerja berkenaan mendapat makanan, tempat tinggal dan bantuan lain sebagai sebahagian daripada ahli isi rumah pemilik tersebut dan terus mendapatnya sama ada ia bekerja atau tidak di dalam pertubuhan itu.

iii. Pekerja bergaji sepenuh masa

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

iv. Pekerja bergaji sambilan

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

10. Kategori kemahiran Kategori kemahiran telah dikelaskan berdasarkan Piawaian Pengkelasan Pekerjaan Malaysia (MASCO) 2013 adalah seperti berikut:

i. Pekerja mahir

Pengurus dan profesional, penyelidik, juruteknik dan profesional bersekutu;

ii. Pekerja separuh mahir

Pekerja sokongan perkeranian, perkhidmatan & jualan, kemahiran & pertukangan yang berkaitan serta operator mesin, loji dan pemasangan; dan

iii. Pekerja kurang mahir

Pekerjaan asas.

11. Nilai harta tetap Harta tetap meliputi semua barangan, baru atau terpakai, aset ketara atau aset tidak ketara yang digunakan secara berulang atau berterusan yang mempunyai hayat produktif lebih daripada setahun. Ia termasuk tanah, bangunan dan struktur, alat pengangkutan, komputer dan '*peripheral equipment*', mesin, peralatan serta perabot dan pemasangan lain. Nilai harta tetap

awal dan akhir bagi tahun rujukan 2015 adalah berasaskan nilai buku bersih. Pembelian, pindaan dan pembaikan besar atau perbelanjaan modal pada tahun berkenaan dikira pada nilai kos sebenar yang dibayar. Nilai harta tetap yang dijual dalam tahun semasa juga dikira pada nilai sebenar.

12. Pembundaran

Penjumlahan komponen mungkin berbeza dengan angka jumlah kecil atau jumlah besar disebabkan pembundaran.

13. Kadar pertumbuhan tahunan dikompaun (CAGR)

Pengiraan kadar pertumbuhan tahunan dikompaun (r) adalah berdasarkan formula berikut;

$$Y_t = Y_o(1 + r)^t$$

Di mana r ,

$$r = \left[e^{\frac{1}{t} \ln \left(\frac{Y_t}{Y_o} \right)} - 1 \right] \times 100$$

Di mana,

Y_t = Nilai pada tahun semasa

Y_o = Nilai pada tahun sebelum

t = Bilangan tahun, $Y_t - Y_o$

r = kadar pertumbuhan tahunan

14. Simbol dan singkatan

-	: tiada
%	: peratus
&	: dan
>	: lebih daripada
<	: kurang daripada
}	: digabungkan
RM	: Ringgit Malaysia
dll.	: dan lain-lain
spt.	: seperti
t.t.t.l.	: tidak terkelas di tempat lain
W.P.	: Wilayah Persekutuan
CAGR	: kadar pertumbuhan tahunan dikompaun

1. Scope and coverage

The census covered all registered establishments engaged in **information and communication services** which included main activities as follows:

- i. Publishing;
- ii. Motion picture, video & television programme production, sound recording & music publishing;
- iii. Programming & broadcasting;
- iv. Telecommunication services;
- v. Computer programming, consultancy & related activities; and
- vi. Information services.

Overall, coverage of the census for information and communication services was 35 industries at 5-digit level under the Malaysia Standard Industrial Classification (MSIC), 2008. The complete lists of industries are shown in **Appendix**.

Coverage for year 2010 and above are not the same as the coverage in 2009 and below, due to differences in the classification of activity (2010 and above - MSIC 2008; 2009 and below - MSIC 2000). Publishing activities are not covered in information and communication services prior to 2009 and motion picture, video and television programme production, sound recording and music publishing activities are covered only in this services after 2010.

2. Source frame

The main source of establishment frame is obtained from Companies Commission of Malaysia (CCM), Local Authorities (PBT), Registrar of Societies (ROS), Ministry of Youth and Sports and other sources.

The frame is updated annually to take into account new establishments and to record any changes in the status of the establishments such as closed down, not in operation, changes in activities or addresses to make sure the information in the frame is the latest update.

3. Type of business activity

The 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 to which it contributes the largest income. Secondary activities are defined as 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 (MSIC) 2008 Ver.1.0**. The MSIC 2008 conforms to the International Standard Industrial Classification of All Economic Activities (ISIC), Revision 4, United Nations, with modifications to suit local conditions.

4. Concepts and definitions

The definition of information and communication services adopted in this publication is based on the recommendations of the Malaysia Standard Industrial Classification (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 production, sound recording and music publishing activities

Motion picture, video and television programme production, sound recording and music publishing activities include 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 to other industries; as well as motion picture or other film production projection. Also included is buying and selling of motion picture or other film productions distribution rights is also included.

Besides, 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 programme 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 programme 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. Telecommunication services

Telecommunication services includes the activities of providing telecommunication 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 include the activities of web search portals, data processing and hosting activities, as well as other activities that primarily supply information.

5. Reporting unit

The numbers of establishments reported in this publication are different from the preliminary data published in the Economic Census 2016 Establishment Statistics. This difference is due to the latest analysis on state branch of the organization.

The reporting unit for this Census is the **establishment**. An establishment ideally 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 to that of its parent company.

Each branch of the multiple organisation has branches in different locations of conceptually treated as the different organisation. The establishment was requested to give separate returns for each activity in terms of value. 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. The entity or enterprise was treated as a single reporting unit and allowed to submit a consolidated questionnaire covering all units or branches

6. Value of gross output

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

- Income from services rendered*
- + *Income from advertising and online advertising space*
- + *Subscription income and income from providing program to other broadcasting establishments*

- + *Income from installation services for telecommunication networks, repair and maintenance services for telecommunication services*
- + *Royalties, copyrights, licensing, franchise fees and licensing of rights to use syndicated media content*
- + *Income from management services, commissions and brokerage earned*
- + *Rental income received (except land) and leasing of computer hardware*
- + *Other operating income*
- + *In-house research and development expenditure*
- + *Built / self-produced fixed assets*
- + *Value of good sold in the same condition as purchased*
- *Cost of goods sold in the same condition as purchased*

7. Value of intermediate input

Effective 2014, research and development expenditure has been removed from calculation of intermediate input and treated as capital asset in line with the recommendation of System of National Accounts (SNA) 2008. The value of intermediate input is defined to include the following elements:

- Purchase of goods, materials and services*
- + *Payment for data processing and other services related to information technology*
- + *Cost of material used includes materials for repairs and maintenance*
- + *Costs of films purchased for projection, payment for programmed provider and payment for rental of films*
- + *Amount paid for outsourcing, payment for current repairs & maintenance work done by others and payment for providing workers*
- + *Domestic interconnect and international out payment*
- + *Royalties paid to non-government organizations / corporate sponsorship (local and foreign)*
- + *Telecommunication, postage and printing cost*
- + *Advertising and promotion, travel and entertainment expenses, commission and agency fees*

- + *Expenditure for electricity, water, fuel, lubricants, gas, stationery, office supplies and others*
- + *Accounting, secretarial, audit, legal and other professional services fees*
- + *Management fees, bank charges, warranty claim and insurance premium except workers' compensation insurance*
- + *Purchase of transport services and payment for security services*
- + *Rental payment (excludes rent for use of land)*
- + *Fees paid to non-working directors for their attendance at Board of Directors' meetings*
- + *Value of free wearing apparel provided and staff training cost*
- + *GST on net purchases are non claimable as input tax*
- + *Other operating expenditure*
- + *Opening stock except trading stock*
- *Closing stock except trading stock*

8. Value added

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

9. Number of persons engaged

Number of persons engaged 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 category 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 a part of the household of an owner but this would continue whether they workers in the establishment or not.

iii. Paid full-time employees

It refers to all paid workers who work for at least 6 hours a day and 20 days a month.

iv. Paid part-time employees

It refers to all paid workers who work for at less than 6 hours a day and / or less than 20 days a month.

10. Category of skills

Category of skills has also been categorized according to Malaysia Standard Classification of Occupations 2013 (MASCO) as follow:

i. High-skilled workers

Managers and professionals, researcher, technician and associate professionals;

ii. Semi-skilled workers

Clerical support, service and sales, craft and related trades workers and plant and machine operators and assemblers; and

iii. Low-skilled workers

Elementary occupations.

11. Value of fixed assets

Fixed assets covers all goods, new or used, tangible or intangible and repeated & continuously that have a normal economic life span of more than one year. Included are land, buildings and structure, transport equipment, other machinery equipment, computer software and furniture and fittings. Value of assets as at the beginning and end of 2015 were based on net book value. Purchases, alterations and major repairs or capital expenditure during the year valued at actual cost incurred. Value of assets sold during the year refers to the realized value.

12. Rounding

The sum of the component figures may not tally with the sub-total or total figures due to rounding.

13. Compound annual growth rate (CAGR)

The calculation of compound annual growth rate (r) is based on the following formula:

$$Y_t = Y_o(1 + r)^t$$

Where r ,

$$r = \left[e^{\frac{1}{t} \ln \left(\frac{Y_t}{Y_o} \right)} - 1 \right] \times 100$$

Where,

Y_t = Value at current year

Y_o = Value at previous year

t = Number of years, $Y_t - Y_o$

r = Annual growth rate

14. Symbols and abbreviations

-	: nil
%	: per cent
&	: and
>	: more than
<	: less than
}	: combined
RM	: Ringgit Malaysia
etc.	: et cetera
i.e	: that is
n.e.c	: not elsewhere classified
W.P.	: Federal Territory
CAGR	: compound annual growth rate

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BAHAGIAN 3

PART 3

**SENARAI
JADUAL**

*LIST OF
TABLES*

Jadual 1.1: Perangkaan utama perkhidmatan maklumat dan komunikasi, 2010 dan 2015

Table 1.1: Principal statistics of information and communication services, 2010 and 2015

Tahun <i>Year</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
2015	8,008	124,606,402	62,047,504	62,558,898	203,017	11,659,440	82,778,363
2010	2,379	81,881,422	39,785,471	42,095,951	131,127	6,391,430	30,038,060

Jadual 1.2: Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut aktiviti, 2015

Table 1.2: Principal statistics of information and communication services by activities, 2015

Aktiviti <i>Activities</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	8,008	124,606,402	62,047,504	62,558,898	203,017	11,659,440	82,778,363
Penerbitan <i>Publishing</i>	726	4,945,707	2,473,569	2,472,138	16,480	699,902	1,743,484
Penerbitan wayang gambar, video dan program televisyen rakaman bunyi dan penerbitan muzik <i>Motion picture, video and television programme production, sound recording and music publishing</i>	1,355	3,202,231	1,484,815	1,717,415	13,866	461,804	1,991,018
Pemrograman dan penyiaran <i>Programming and broadcasting</i>	39	7,211,172	4,182,456	3,028,715	6,659	582,529	6,088,564
Perkhidmatan telekomunikasi <i>Telecommunication services</i>	1,135	72,293,739	33,988,507	38,305,231	51,510	3,804,464	61,095,436
Pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan <i>Computer programming, consultancy and related activities</i>	4,102	31,873,598	17,530,608	14,342,990	98,232	5,201,449	10,676,505
Perkhidmatan maklumat <i>Information services</i>	651	5,079,957	2,387,549	2,692,408	16,270	909,292	1,183,356

Jadual 1.3: Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut negeri, 2015

Table 1.3: Principal statistics of information and communication services by states, 2015

Negeri <i>States</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	8,008	124,606,402	62,047,504	62,558,898	203,017	11,659,440	82,778,363
Johor	286	654,191	333,436	320,755	3,253	90,970	498,823
Kedah	54	83,438	46,978	36,460	493	14,190	36,873
Kelantan	12	3,257	1,953	1,304	44	738	333
Melaka	87	120,795	62,017	58,777	530	10,720	55,695
Negeri Sembilan	41	140,625	72,215	68,410	439	14,557	48,695
Pahang	27	110,167	36,400	73,767	243	6,942	302,338
Perak	138	332,914	198,376	134,537	985	33,291	110,551
Perlis	7	2,137	1,271	866	32	708	1,323
Pulau Pinang	379	3,690,891	2,026,058	1,664,833	10,948	320,439	4,319,601
Sabah	63	226,109	131,793	94,316	962	23,800	192,015
Sarawak	93	793,910	397,214	396,696	2,361	65,358	1,034,048
Selangor	4,045	36,115,098	17,745,075	18,370,023	83,333	4,936,619	17,607,364
Terengganu	14	16,214	8,090	8,124	191	4,693	9,293
W.P. Kuala Lumpur	2,745	82,264,321	40,958,590	41,305,731	98,980	6,128,977	58,528,259
W.P. Labuan	4	2,729	759	1,970	13	279	266
W.P. Putrajaya	13	49,607	27,278	22,329	210	7,159	32,885

Jadual 1.4: Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut taraf sah, 2015

Table 1.4: Principal statistics of information and communication services by legal status, 2015

Taraf sah <i>Legal status</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	8,008	124,606,402	62,047,504	62,558,898	203,017	11,659,440	82,778,363
Hak milik perseorangan <i>Individual proprietorship</i>	514	237,687	119,713	117,974	2,048	42,440	37,430
Perkongsian <i>Partnership</i>	99	67,310	25,976	41,334	535	10,464	17,524
Perkongsian liabiliti terhad <i>Limited liabilities partnership</i>	32	11,244	4,931	6,313	146	3,399	2,397
Syarikat sendirian berhad <i>Private limited company</i>	7,273	96,972,303	51,319,301	45,653,002	163,666	9,117,134	51,440,794
Syarikat awam berhad <i>Public limited company</i>	82	27,198,625	10,512,652	16,685,973	36,457	2,476,988	31,254,659
Perbadanan awam <i>Public corporation</i>	8	119,233	64,932	54,301	165	9,016	25,558
Pertubuhan persendirian yang tidak mencari keuntungan <i>Private non-profit making organisation</i>							

Jadual 1.5: Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut hak milik, 2015

Table 1.5: Principal statistics of information and communication services by ownerships, 2015

Hak milik <i>Ownerships</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	8,008	124,606,402	62,047,504	62,558,898	203,017	11,659,440	82,778,363
Residen Malaysia <i>Malaysian residents</i>	7,851	110,079,112	54,539,278	55,539,834	166,140	9,352,341	76,389,945
Bukan residen Malaysia <i>Non-Malaysian residents</i>	153	14,393,909	7,452,841	6,941,068	36,563	2,282,286	6,341,441
Hak milik bersama <i>Joint ownership</i>	4	133,381	55,385	77,996	314	24,813	46,977

Jadual 1.6: Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut saiz output, 2015

Table 1.6: Principal statistics of information and communication services by size of output, 2015

Size output <i>Size of output</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)	(RM '000)		(RM '000)	(RM '000)
Jumlah/ Total	8,008	124,606,402	62,047,504	62,558,898	203,017	11,659,440	82,778,363
Kurang daripada 300 <i>Less than</i>	2,116	342,723	162,742	179,981	5,324	130,923	171,975
300 - < 3,000	4,186	4,191,735	2,151,363	2,040,372	31,808	1,141,762	1,393,046
3,000 - < 20,000	1,294	9,926,083	5,457,601	4,468,482	39,095	1,713,277	4,019,212
20,000 dan lebih <i>and above</i>	412	110,145,862	54,275,799	55,870,063	126,790	8,673,479	77,194,131

Jadual 1.7: Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut saiz pekerja, 2015*Table 1.7: Principal statistics of information and communication services by size of employment, 2015*

Saiz pekerja <i>Size of employment</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	8,008	124,606,402	62,047,504	62,558,898	203,017	11,659,440	82,778,363
Kurang daripada 5 <i>Below</i>	3,458	1,980,546	1,101,952	878,593	8,407	298,967	582,607
5 - 29	3,655	12,688,423	7,011,547	5,676,876	38,876	1,592,557	4,627,917
30 - 75	590	13,409,022	7,519,278	5,889,744	26,156	1,163,965	7,120,196
76 dan lebih <i>and above</i>	305	96,528,411	46,414,727	50,113,684	129,578	8,603,950	70,447,643

Jadual 1.8: Perangkaan utama perkhidmatan maklumat dan komunikasi mengikut saiz harta tetap, 2015

Table 1.8: Principal statistics of information and communication services by size of fixed assets, 2015

Saiz harta <i>Size of fixed assets</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)	(RM '000)		(RM '000)	(RM '000)
Jumlah/ Total	8,008	124,606,402	62,047,504	62,558,898	203,017	11,659,440	82,778,363
Kurang daripada 20 <i>Less than</i>	1,545	975,309	538,370	436,939	6,752	239,027	11,426
20 - < 100	1,668	1,538,085	817,413	720,671	10,317	352,861	83,953
100 - < 500	3,061	7,052,140	3,968,636	3,083,504	29,140	1,151,161	568,373
500 - < 2,000	949	9,438,471	4,866,829	4,571,642	30,007	1,526,756	956,482
2,000 - < 10,000	555	14,063,571	6,665,814	7,397,757	33,621	1,787,450	2,591,430
10,000 - < 50,000	158	11,141,602	6,215,002	4,926,600	29,167	1,609,145	3,383,909
50,000 - < 150,000	40	9,278,267	5,689,574	3,588,694	21,067	1,247,817	3,301,964
150,000 dan lebih <i>and above</i>	32	71,118,957	33,285,867	37,833,090	42,946	3,745,222	71,880,828

Jadual 1.9: Bilangan pekerja bagi perkhidmatan maklumat dan komunikasi mengikut aktiviti, 2015
Table 1.9: Number of persons engaged in the information and communication services by activities, 2015

Aktiviti <i>Activities</i>	Bilangan pertubuhan <i>Number of establishments</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			
		Jumlah <i>Total</i>	Pemilik yang bekerja, rakan niaga yang aktif dan pekerja keluarga tidak bergaji <i>Working proprietors, active business partners and unpaid family workers</i>	Pekerja sepenuh masa <i>Full-time employees</i>	Pekerja sambilan <i>Part-time employees</i>
Jumlah/ Total	8,008	203,017	678	200,558	1,781
Penerbitan <i>Publishing</i>	726	16,480	85	16,202	193
Penerbitan wayang gambar, video dan program televisyen rakaman bunyi dan penerbitan muzik <i>Motion picture, video and television programme production, sound recording and music publishing</i>	1,355	13,866	118	12,852	896
Pemrograman dan penyiaran <i>Programming and broadcasting</i>	39	6,659	-	6,635	24
Perkhidmatan telekomunikasi <i>Telecommunication services</i>	1,135	51,510	23	51,416	71
Pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan <i>Computer programming, consultancy and related activities</i>	4,102	98,232	386	97,570	276
Perkhidmatan maklumat <i>Information services</i>	651	16,270	66	15,883	321

Jadual 1.10: Bilangan pekerja dan gaji & upah bagi perkhidmatan maklumat dan komunikasi mengikut kategori pekerja, 2015
Table 1.10: Number of person engaged and salaries & wages in the information and communication services by category of workers, 2015

Kategori pekerja <i>Category of workers</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries & wages paid</i> (RM '000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
Jumlah/ Total	203,017	123,211	79,806	11,659,440
Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji <i>Total working proprietors and unpaid family workers</i>	678	593	85	-
Pemilik yang bekerja dan rakan niaga yang aktif <i>Working proprietors and active business partners</i>	618	554	64	-
Pekerja keluarga tidak bergaji (semua ahli keluarga dan rakan yang tidak menerima upah yang tetap) <i>Unpaid family workers (all members of family and friends not receiving regular wages)</i>	60	39	21	-
Jumlah pekerja bergaji (sepenuh masa) <i>Total paid employees (full-time)</i>	200,558	121,370	79,188	11,638,386
Pengurus <i>Managers</i>	24,164	16,889	7,275	3,281,962
Profesional <i>Professional</i>	45,546	28,786	16,760	4,125,393
Profesional <i>Professional</i>	42,969	27,261	15,708	3,856,647
Penyelidik <i>Researcher</i>	2,577	1,525	1,052	268,746
Juruteknik dan profesional bersekutu <i>Technicians and associate professionals</i>	44,440	33,393	11,047	2,138,999
Pekerja sokongan perkeranian <i>Clerical support workers</i>	29,631	9,385	20,246	820,486
Pekerja perkhidmatan dan jualan <i>Service and sales workers</i>	18,582	9,278	9,304	491,988
Pekerja kemahiran dan pekerja pertukangan yang berkaitan <i>Craft and related trades workers</i>	7,753	6,647	1,106	183,884
Operator mesin, loji dan pemasang <i>Plant and machine operators and assemblers</i>	6,776	3,749	3,027	135,421
Pekerjaan asas <i>Elementary occupations</i>	23,666	13,243	10,423	460,253
Pekerja bergaji (sambilan) <i>Paid employees (part-time)</i>	1,781	1,248	533	21,054

Jadual 1.11: Bilangan pekerja bagi perkhidmatan maklumat dan komunikasi mengikut kewarganegaraan dan kategori pekerja, 2015
Table 1.11: Number of persons engaged in the information and communication services by citizenships and category of workers, 2015

Kategori pekerja <i>Category of workers</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji terakhir <i>Number of persons engaged during December or the last pay period</i>		
	Jumlah <i>Total</i>	Warganegara <i>Citizen</i>	Bukan Warganegara <i>Non-citizen</i>
Jumlah/ Total	203,017	199,715	3,302
Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji <i>Total working proprietors and unpaid family workers</i>	678	678	-
Pemilik yang bekerja dan rakan niaga yang aktif <i>Working proprietors and active business partners</i>	618	618	-
Pekerja keluarga tidak bergaji (semua ahli keluarga dan rakan yang tidak menerima upah yang tetap) <i>Unpaid family workers (all members of family and friends not receiving regular wages)</i>	60	60	-
Jumlah pekerja bergaji (sepenuh masa) <i>Total paid employees (full-time)</i>	200,558	197,256	3,302
Pengurus <i>Managers</i>	24,164	23,712	452
Profesional <i>Professional</i>	45,546	44,337	1,209
Profesional <i>Professional</i>	42,969	41,898	1,071
Penyelidik <i>Researcher</i>	2,577	2,439	138
Juruteknik dan profesional bersekutu <i>Technicians and associate professionals</i>	44,440	43,309	1,131
Pekerja sokongan perkeranian <i>Clerical support workers</i>	29,631	29,559	72
Pekerja perkhidmatan dan jualan <i>Service and sales workers</i>	18,582	18,523	59
Pekerja kemahiran dan pekerja pertukangan yang berkaitan <i>Craft and related trades workers</i>	7,753	7,678	75
Operator mesin, loji dan pemasang <i>Plant and machine operators and assemblers</i>	6,776	6,564	212
Pekerjaan asas <i>Elementary occupations</i>	23,666	23,574	92
Pekerja bergaji (sambilan) <i>Paid employees (part-time)</i>	1,781	1,781	-

Jadual 1.12: Bilangan pekerja bergaji sepenuh masa bagi perkhidmatan maklumat dan komunikasi mengikut kategori kemahiran pekerja dan aktiviti, 2015
Table 1.12: Number of full-time paid employees in the information and communication services by category of skilled workers and activities, 2015

Aktiviti/ Activities	Mahir/High-Skilled*		Separuh Mahir/Semi-Skilled**		Kurang Mahir/Low-Skilled***	
	Bilangan pekerja pada bulan Disember atau pada tempoh gaji terakhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & wages paid</i> (RM '000)	Bilangan pekerja pada bulan Disember atau pada tempoh gaji terakhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & wages paid</i> (RM '000)	Bilangan pekerja pada bulan Disember atau pada tempoh gaji terakhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & wages paid</i> (RM '000)
Jumlah/ Total	114,150	9,546,353	62,742	1,631,779	23,666	460,253
Penerbitan <i>Publishing</i>	6,802	465,961	7,452	195,702	1,948	35,488
Penerbitan wayang gambar, video dan program televisyen rakaman bunyi dan penerbitan muzik <i>Motion picture, video and television programme production, sound recording and music publishing</i>	6,398	320,201	4,526	101,105	1,928	30,823
Pemrograman dan penyiaran <i>Programming and broadcasting</i>	4,155	500,581	1,795	65,970	685	15,656
Perkhidmatan telekomunikasi <i>Telecommunication services</i>	24,730	3,132,638	22,624	530,762	4,062	139,877
Pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan <i>Computer programming, consultancy and related activities</i>	62,283	4,346,791	22,106	642,132	13,181	208,878
Perkhidmatan maklumat <i>Information services</i>	9,782	780,181	4,239	96,108	1,862	29,532

* Termasuk pengurusan & profesional dan juruteknik & profesional bersekutu / Includes managers & professionals and technicians & associate professionals

** Termasuk pekerja sokongan perkeranian, pekerja perkhidmatan & jualan, pekerja kemahiran & pekerja pertukangan yang berkaitan dan operator mesin & loji pemasangan
Includes clerical support workers, service & sales workers, craft & related trades workers and plant & machine operators & assemblers

*** Termasuk pekerjaan asas / Includes elementary occupations

Jadual 1.13: Bilangan pekerja bagi perkhidmatan maklumat dan komunikasi mengikut jantina dan kelulusan, 2015

Table 1.13: Number of persons engaged in the information and communication services by sex and qualifications, 2015

Kelulusan <i>Qualifications</i>	Jumlah pekerja <i>Total employment</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji terakhir <i>Number of persons engaged during December or the last pay period</i>	
		Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah/ Total	203,017	123,211	79,806
Pascasiswazah <i>Postgraduate</i>	5,086	3,440	1,646
Ijazah sarjana muda/ Diploma lanjutan atau yang setaraf <i>Bachelor/ Advanced diploma or equivalent</i>	69,041	45,067	23,974
Diploma <i>Diploma</i>	43,475	29,224	14,251
STPM atau yang setaraf <i>STPM or equivalent</i>	8,503	5,161	3,342
Sijil <i>Certificate</i>	14,359	8,885	5,474
SPM/ SPM (V) atau yang setaraf <i>SPM/ SPM (V) or equivalent</i>	57,383	29,701	27,682
Di bawah taraf kelulusan SPM/ SPM (V) <i>Below SPM/ SPM (V) qualification</i>	5,170	1,733	3,437

Jadual 1.14: Bilangan pekerja bagi perkhidmatan maklumat dan komunikasi mengikut kelulusan dan aktiviti, 2015
Table 1.14: Number of persons engaged in the information and communication services by qualifications and activities, 2015

Aktiviti <i>Activities</i>	Pascasiswazah <i>Postgraduate</i>	Ijazah sarjana muda/ Diploma lanjutan atau yang setaraf <i>Bachelor/ Advanced diploma or equivalent</i>	Diploma (Akademik) <i>Diploma (Academic)</i>	STPM atau yang setaraf <i>STPM or equivalent</i>	Sijil <i>Certificate</i>	SPM/SPM (V) atau yang setaraf <i>SPM/SPM (V) or equivalent</i>	Di bawah taraf kelulusan SPM/SPM (V) <i>Below SPM/SPM (V) qualification</i>
Jumlah/ Total	5,086	69,041	43,475	8,503	14,359	57,383	5,170
Penerbitan <i>Publishing</i>	516	4,746	3,588	1,519	1,167	4,418	526
Penerbitan wayang gambar, video dan program televisyen rakaman bunyi dan penerbitan muzik <i>Motion picture, video and television programme production, sound recording and music publishing</i>	318	4,508	3,727	544	1,132	3,313	324
Pemrograman dan penyiaran <i>Programming and broadcasting</i>	246	2,855	616	316	488	2,108	30
Perkhidmatan telekomunikasi <i>Telecommunication services</i>	1,041	15,104	12,426	1,735	2,907	17,175	1,122
Pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan <i>Computer programming, consultancy and related activities</i>	2,572	37,021	19,700	3,569	6,811	25,836	2,723
Perkhidmatan maklumat <i>Information services</i>	393	4,807	3,418	820	1,854	4,533	445

Jadual 1.15: Nilai harta tetap perkhidmatan maklumat dan komunikasi mengikut aktiviti, 2015
Table 1.15: Value of fixed assets of information and communication services by activities, 2015

Aktiviti <i>Activities</i>	Nilai buku bersih seperti pada 01.01.2015 <i>Net book value as at 01.01.2015</i>	Perbelanjaan modal <i>Capital expenditure</i>	Pelupusan <i>Disposal</i>	Susut nilai semasa <i>Current depreciation</i>	Nilai buku bersih seperti pada 31.12.2015 <i>Net book value as at 31.12.2015</i>	Sewa yang dibayar dalam tahun 2015 <i>Rent paid during 2015</i>
	(RM '000)	(RM '000)	(RM '000)	(RM '000)	(RM '000)	(RM '000)
Jumlah/ Total	74,873,251	11,036,618	161,225	2,998,476	82,778,363	1,969,249
Penerbitan <i>Publishing</i>	1,631,152	164,446	2,528	51,620	1,743,484	32,603
Penerbitan wayang gambar, video dan program televisyen rakaman bunyi dan penerbitan muzik <i>Motion picture, video and television programme production, sound recording and music publishing</i>	2,008,045	64,202	4,529	76,787	1,991,018	58,614
Pemrograman dan penyiaran <i>Programming and broadcasting</i>	3,861,661	2,286,812	70	59,838	6,088,564	17,916
Perkhidmatan telekomunikasi <i>Telecommunication services</i>	56,622,591	7,003,339	83,545	2,470,970	61,095,436	1,527,878
Pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan <i>Computer programming, consultancy and related activities</i>	9,659,252	1,337,703	15,826	306,627	10,676,505	270,903
Perkhidmatan maklumat <i>Information services</i>	1,090,549	180,115	54,726	32,633	1,183,356	61,335

Jadual 1.16: Nilai harta tetap perkhidmatan maklumat dan komunikasi mengikut jenis harta, 2015
Table 1.16: Value of fixed assets of information and communication services by type of assets, 2015

Jenis harta <i>Type of assets</i>	Nilai buku bersih seperti pada 01.01.2015 <i>Net book value as at 01.01.2015</i>	Perbelanjaan modal <i>Capital expenditure</i>	Pelupusan <i>Disposal</i>	Susut nilai semasa <i>Current depreciation</i>	Nilai buku bersih seperti pada 31.12.2015 <i>Net book value as at 31.12.2015</i>	Sewa yang dibayar dalam tahun 2015 <i>Rent paid during 2015</i>
	(RM '000)	(RM '000)	(RM '000)	(RM '000)	(RM '000)	(RM '000)
Jumlah/ Total	74,873,251	11,036,618	161,225	2,998,476	82,778,363	1,969,249
Tanah <i>Land</i>	3,398,522	8,387	4,703	-	3,403,356	816,787
Bangunan dan binaan lain <i>Buildings and other construction</i>	12,330,715	185,894	5,756	102,983	12,408,302	1,110,504
Alat pengangkutan <i>Transport equipment</i>	603,231	189,042	59,564	50,574	682,308	969
Teknologi maklumat dan komunikasi <i>Information and communications technology</i>	23,455,311	8,547,417	69,221	1,254,917	30,704,609	363
Jentera dan kelengkapan <i>Machinery and equipment</i>	31,241,985	1,932,165	10,760	1,350,207	31,814,050	40,626
Perabot dan pemasangan <i>Furniture and fittings</i>	1,587,162	129,222	6,598	90,119	1,619,221	-
Harta lain <i>Other assets</i>	2,256,324	44,491	4,623	149,675	2,146,517	-

Jadual 1.17: Perangkaan utama pertubuhan milikan wanita perkhidmatan maklumat dan komunikasi mengikut aktiviti, 2015
Table 1.17: Principal statistics of women-owned establishment in information and communication services by activities, 2015

Aktiviti <i>Activities</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	252	344,147	187,175	156,971	2,014	78,183	85,480
Penerbitan <i>Publishing</i>	34	66,601	43,524	23,077	281	9,169	12,084
Penerbitan wayang gambar, video dan program televisyen rakaman bunyi dan penerbitan muzik <i>Motion picture, video and television programme production, sound recording and music publishing</i>	80	74,056	36,631	37,425	569	18,364	16,654
Perkhidmatan telekomunikasi <i>Telecommunication services</i>	26	25,504	16,418	9,086	152	6,508	5,566
Pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan <i>Computer programming, consultancy and related activities</i>	96	162,048	84,543	77,505	890	37,461	46,372
Perkhidmatan maklumat <i>Information services</i>	16	15,937	6,059	9,878	122	6,682	4,803

Jadual 1.18: Perangkaan utama pertubuhan milikan wanita perkhidmatan maklumat dan komunikasi mengikut negeri, 2015

Table 1.18: Principal statistics of women-owned establishment in information and communication services by states, 2015

Negeri States	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir 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)
Jumlah/ Total	252	344,147	187,175	156,971	2,014	78,183	85,480
Johor	9	3,064	1,552	1,512	27	676	580
Kedah	5	506	303	203	11	232	109
Perlis							
Kelantan	4	1,846	733	1,114	25	834	196
Pahang							
Terengganu							
Melaka	4	372	86	286	11	168	291
Negeri Sembilan							
Perak	8	10,221	6,872	3,350	39	1,544	2,898
Pulau Pinang	11	11,169	7,150	4,019	71	2,012	4,777
Sabah	5	4,251	3,019	1,231	24	548	1,604
Sarawak							
Selangor	120	193,241	108,596	84,645	959	40,604	47,464
W.P. Kuala Lumpur	86	119,475	58,864	60,611	847	31,564	27,563
W.P. Putrajaya							

Jadual 2.1: Perangkaan utama aktiviti penerbitan, 2009 - 2015

Table 2.1: Principal statistics of publishing activity, 2009 - 2015

Tahun <i>Year</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
2015	726	4,945,707	2,473,569	2,472,138	16,480	699,902	1,743,484
2010	128	1,018,043	514,963	503,080	4,671	164,699	232,911
2009	63	741,735	470,047	271,688	4,246	135,478	97,013

Jadual 2.2: Perangkaan utama aktiviti penerbitan mengikut kumpulan, 2015

Table 2.2: Principal statistics of publishing activity by groups, 2015

Keterangan kumpulan <i>Group description</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	726	4,945,707	2,473,569	2,472,138	16,480	699,902	1,743,484
Penerbitan buku, brosur dan penerbitan lain <i>Publishing of books, brochures and other publications</i>	310	1,356,832	639,054	717,777	5,858	224,347	488,154
Penerbitan suratkhobar, jurnal, majalah dan penerbitan berkala dalam bentuk cetakan atau elektronik <i>Publishing of newspapers, journals, magazines and periodicals in print or electronic form</i>	141	2,794,551	1,429,641	1,364,910	7,731	364,317	1,096,371
Lain-lain penerbitan <i>Others publishing</i>	275	794,324	404,874	389,450	2,891	111,239	158,959

Jadual 2.3: Perangkaan utama aktiviti penerbitan mengikut negeri, 2015

Table 2.3: Principal statistics of publishing activity by states, 2015

Negeri <i>States</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	726	4,945,707	2,473,569	2,472,138	16,480	699,902	1,743,484
Johor	41	82,077	38,075	44,003	577	12,097	23,801
Kedah	8	2,448	1,441	1,008	39	860	1,595
Perlis							
Kelantan	3	1,049	381	668	20	420	541
Pahang							
Melaka	10	15,699	10,130	5,569	59	1,219	6,102
Negeri Sembilan	5	4,216	1,317	2,900	28	324	5,859
Perak	27	149,906	95,651	54,256	314	9,663	8,558
Pulau Pinang	43	150,477	69,063	81,414	1,315	41,215	37,014
Sabah	6	24,254	12,194	12,060	186	4,159	3,507
Sarawak	12	229,904	129,237	100,667	771	20,921	6,497
Selangor	409	3,364,050	1,689,763	1,674,287	10,025	476,644	1,304,586
W.P. Kuala Lumpur	162	921,625	426,318	495,308	3,146	132,379	345,422
W.P. Labuan							
W.P. Putrajaya							

Jadual 2.4: Perangkaan utama aktiviti penerbitan mengikut taraf sah, 2015

Table 2.4: Principal statistics of publishing activity by legal status, 2015

Taraf sah <i>Legal status</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	726	4,945,707	2,473,569	2,472,138	16,480	699,902	1,743,484
Hak milik perseorangan <i>Individual proprietorship</i>	59	22,822	12,854	9,969	250	4,792	6,865
Perkongsian <i>Partnership</i>	13	7,760	4,329	3,431	102	2,375	10,140
Perkongsian liabiliti terhad <i>Limited liabilities partnership</i>	3	1,048	279	769	5	111	408
Syarikat sendirian berhad <i>Private limited company</i>	639	2,831,813	1,417,445	1,414,367	11,327	452,656	797,155
Syarikat awam berhad <i>Public limited company</i>	12	2,082,264	1,038,662	1,043,602	4,796	239,968	928,916
Pertubuhan persendirian yang tidak mencari keuntungan <i>Private non-profit making organisation</i>							

Jadual 2.5: Perangkaan utama aktiviti penerbitan mengikut hak milik, 2015

Table 2.5: Principal statistics of publishing activity by ownerships, 2015

Hak milik <i>Ownerships</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	726	4,945,707	2,473,569	2,472,138	16,480	699,902	1,743,484
Residen Malaysia <i>Malaysian residents</i>	720	4,806,281	2,419,342	2,386,939	16,036	669,215	1,688,346
Bukan residen Malaysia <i>Non-Malaysian residents</i>	6	139,426	54,227	85,199	444	30,687	55,138
Hak milik bersama <i>Joint ownership</i>							

Jadual 2.6: Bilangan pekerja dan gaji & upah bagi aktiviti penerbitan mengikut kategori pekerja, 2015
 Table 2.6: Number of person engaged and salaries & wages in the publishing activity by category of workers, 2015

Kategori pekerja <i>Category of workers</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries & wages paid</i> (RM '000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
Jumlah/ Total	16,480	9,622	6,858	699,902
Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji <i>Total working proprietors and unpaid family workers</i>	85	64	21	-
Pemilik yang bekerja dan rakan niaga yang aktif <i>Working proprietors and active business partners</i>	76	61	15	-
Pekerja keluarga tidak bergaji (semua ahli keluarga dan rakan yang tidak menerima upah yang tetap) <i>Unpaid family workers (all members of family and friends not receiving regular wages)</i>	9	3	6	-
Jumlah pekerja bergaji (sepenuh masa) <i>Total paid employees (full-time)</i>	16,202	9,495	6,707	697,151
Pengurus <i>Managers</i>	1,570	1,236	334	172,950
Profesional <i>Professional</i>	2,378	1,293	1,085	152,946
Profesional <i>Professional</i>	2,260	1,210	1,050	148,218
Penyelidik <i>Researcher</i>	118	83	35	4,728
Juruteknik dan profesional bersekutu <i>Technicians and associate professionals</i>	2,854	1,882	972	140,065
Pekerja sokongan perkeranian <i>Clerical support workers</i>	3,446	1,271	2,175	95,499
Pekerja perkhidmatan dan jualan <i>Service and sales workers</i>	2,007	1,069	938	53,047
Pekerja kemahiran dan pekerja pertukangan yang berkaitan <i>Craft and related trades workers</i>	783	639	144	21,945
Operator mesin, loji dan pemasang <i>Plant and machine operators and assemblers</i>	1,216	992	224	25,212
Pekerjaan asas <i>Elementary occupations</i>	1,948	1,113	835	35,488
Pekerja bergaji (sambilan) <i>Paid employees (part-time)</i>	193	63	130	2,752

Jadual 2.7: Bilangan pekerja bagi aktiviti penerbitan mengikut kumpulan, 2015
Table 2.7: Number of persons engaged in the publishing activity by groups, 2015

Keterangan kumpulan <i>Group description</i>	Bilangan pertubuhan <i>Number of establishments</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			
		Jumlah <i>Total</i>	Pemilik yang bekerja, rakan niaga yang aktif dan pekerja keluarga tidak bergaji <i>Working proprietors, active business partners and unpaid family workers</i>	Pekerja sepenuh masa <i>Full-time employees</i>	Pekerja sambilan <i>Part-time employees</i>
Jumlah/ Total	726	16,480	85	16,202	193
Penerbitan buku, brosur dan penerbitan lain <i>Publishing of books, brochures and other publications</i>	310	5,858	33	5,769	56
Penerbitan suratkhbar, jurnal, majalah dan penerbitan berkala dalam bentuk cetakan atau elektronik <i>Publishing of newspapers, journals, magazines and periodicals in print or electronic form</i>	141	7,731	5	7,672	54
Lain-lain penerbitan <i>Others publishing</i>	275	2,891	47	2,761	83

Jadual 3.1: Perangkaan utama aktiviti penerbitan wayang gambar, video dan program televisyen, rakaman bunyi dan penerbitan muzik, 2010 dan 2015

Table 3.1: Principal statistics of motion picture, video and television programme production, sound recording and music publishing activities, 2010 and 2015

Tahun <i>Year</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
2015	1,355	3,202,231	1,484,815	1,717,415	13,866	461,804	1,991,018
2010	323	1,897,113	841,107	1,056,006	4,956	117,524	427,176

Jadual 3.2: Perangkaan utama aktiviti penerbitan wayang gambar, video dan program televisyen, rakaman bunyi dan penerbitan muzik mengikut kumpulan, 2015
Table 3.2: Principal statistics of motion picture, video and television programme production, sound recording and music publishing activities by groups, 2015

Keterangan kumpulan <i>Group description</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	1,355	3,202,231	1,484,815	1,717,415	13,866	461,804	1,991,018
Aktiviti pengeluaran wayang gambar, video dan program televisyen <i>Motion picture, video and television programme production activities</i>	715	1,464,481	668,031	796,449	6,304	256,068	1,069,439
Aktiviti pasca produksi wayang gambar, video dan program televisyen <i>Motion picture, video and television programme post-production activities</i>	215	227,815	101,380	126,436	1,422	46,784	68,125
Aktiviti pengedaran wayang gambar, video dan program televisyen <i>Motion picture, video and television programme distribution activities</i>	100	225,887	106,726	119,161	978	33,239	65,989
Aktiviti penayangan wayang gambar <i>Motion picture projection activities</i>	135	996,152	481,172	514,980	4,003	86,976	722,938
Aktiviti rakaman bunyi dan penerbitan muzik <i>Sound record and music publishing activities</i>	190	287,895	127,506	160,389	1,159	38,737	64,526

Jadual 3.3: Perangkaan utama aktiviti penerbitan wayang gambar, video dan program televisyen, rakaman bunyi dan penerbitan muzik mengikut negeri, 2015

Table 3.3: Principal statistics of motion picture, video and television programme production, sound recording and music publishing activities by states, 2015

Negeri <i>States</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	1,355	3,202,231	1,484,815	1,717,415	13,866	461,804	1,991,018
Johor	36	159,388	76,365	83,023	617	16,432	373,014
Kedah	10	41,597	19,901	21,697	180	3,452	22,387
Kelantan	4	4,844	2,505	2,339	32	592	5,491
Terengganu							
Melaka	12	54,040	27,292	26,748	204	4,031	28,346
Negeri Sembilan	12	56,320	27,442	28,878	169	4,006	29,780
Pahang	3	23,194	11,703	11,491	91	1,935	13,563
Perak	19	67,191	32,381	34,810	251	5,324	56,098
Perlis	3	122	80	42	3	-	151
Pulau Pinang	31	104,248	49,574	54,673	619	13,640	78,742
Sabah	17	45,150	22,322	22,829	297	4,926	21,649
Sarawak	31	57,980	29,255	28,726	324	6,530	39,171
Selangor	571	1,319,497	610,487	709,010	5,299	201,790	503,961
W.P. Kuala Lumpur	602	1,244,287	564,191	680,096	5,684	197,177	805,313
W.P. Labuan	4	24,372	11,317	13,504	96	1,968	13,354
W.P. Putrajaya							

Jadual 3.4: Perangkaan utama aktiviti penerbitan wayang gambar, video dan program televisyen, rakaman bunyi dan penerbitan muzik mengikut taraf sah, 2015

Table 3.4: Principal statistics of motion picture, video and television programme production, sound recording and music publishing activities by legal status, 2015

Taraf sah <i>Legal status</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	1,355	3,202,231	1,484,815	1,717,415	13,866	461,804	1,991,018
Hak milik perseorangan <i>Individual proprietorship</i>	87	26,802	12,543	14,260	337	6,370	6,699
Perkongsian <i>Partnership</i>	15	34,533	9,284	25,248	103	2,052	2,124
Perkongsian liabiliti terhad <i>Limited liabilities partnership</i>							
Syarikat sendirian berhad <i>Private limited company</i>	1,245	3,126,697	1,455,473	1,671,224	13,345	451,550	1,963,897
Syarikat awam berhad <i>Public limited company</i>	8	14,199	7,515	6,683	81	1,831	18,298
Pertubuhan persendirian yang tidak mencari keuntungan <i>Private non-profit making organisation</i>							

Jadual 3.5: Perangkaan utama aktiviti penerbitan wayang gambar, video dan program televisyen, rakaman bunyi dan penerbitan muzik mengikut hak milik, 2015

Table 3.5: Principal statistics of motion picture, video and television programme production, sound recording and music publishing activities by ownerships, 2015

Hak milik <i>Ownerships</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	1,355	3,202,231	1,484,815	1,717,415	13,866	461,804	1,991,018
Residen Malaysia <i>Malaysian residents</i>	1,333	2,913,787	1,363,977	1,549,810	13,196	445,674	1,890,393
Bukan residen Malaysia <i>Non-Malaysian residents</i>	22	288,443	120,838	167,605	670	16,131	100,625

Jadual 3.6: Bilangan pekerja dan gaji & upah bagi aktiviti penerbitan wayang gambar, video dan program televisyen, rakaman bunyi dan penerbitan muzik mengikut kategori pekerja, 2015
 Table 3.6: Number of person engaged and salaries & wages in the motion picture, video and television programme production, sound recording and music publishing activities by category of workers, 2015

Kategori pekerja <i>Category of workers</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries & wages paid</i> (RM '000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
Jumlah/ Total	13,866	8,845	5,021	461,804
Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji <i>Total working proprietors and unpaid family workers</i>	118	98	20	-
Pemilik yang bekerja dan rakan niaga yang aktif <i>Working proprietors and active business partners</i>	108	95	13	-
Pekerja keluarga tidak bergaji (semua ahli keluarga dan rakan yang tidak menerima upah yang tetap) <i>Unpaid family workers (all members of family and friends not receiving regular wages)</i>	10	3	7	-
Jumlah pekerja bergaji (sepenuh masa) <i>Total paid employees (full-time)</i>	12,852	8,062	4,790	452,129
Pengurus <i>Managers</i>	2,037	1,770	267	134,120
Profesional <i>Professional</i>	2,523	1,459	1,064	120,546
Profesional <i>Professional</i>	2,475	1,423	1,052	118,639
Penyelidik <i>Researcher</i>	48	36	12	1,907
Juruteknik dan profesional bersekutu <i>Technicians and associate professionals</i>	1,838	1,542	296	65,535
Pekerja sokongan perkeranian <i>Clerical support workers</i>	1,752	368	1,384	43,232
Pekerja perkhidmatan dan jualan <i>Service and sales workers</i>	2,105	1,263	842	43,748
Pekerja kemahiran dan pekerja pertukangan yang berkaitan <i>Craft and related trades workers</i>	489	423	66	10,300
Operator mesin, loji dan pemasang <i>Plant and machine operators and assemblers</i>	180	167	13	3,827
Pekerjaan asas <i>Elementary occupations</i>	1,928	1,070	858	30,823
Pekerja bergaji (sambilan) <i>Paid employees (part-time)</i>	896	685	211	9,675

Jadual 3.7: Bilangan pekerja bagi aktiviti penerbitan wayang gambar, video dan program televisyen, rakaman bunyi dan penerbitan muzik mengikut kumpulan, 2015
Table 3.7: Number of persons engaged in the motion picture, video and television programme production, sound recording and music publishing activities by groups, 2015

Keterangan kumpulan <i>Group description</i>	Bilangan pertubuhan <i>Number of establishments</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			
		Jumlah <i>Total</i>	Pemilik yang bekerja, rakan niaga yang aktif dan pekerja keluarga tidak bergaji <i>Working proprietors, active business partners and unpaid family workers</i>	Pekerja sepenuh masa <i>Full-time employees</i>	Pekerja sambilan <i>Part-time employees</i>
Jumlah/ Total	1,355	13,866	118	12,852	896
Aktiviti pengeluaran wayang gambar, video dan program televisyen <i>Motion picture, video and television programme production activities</i>	715	6,304	54	6,127	123
Aktiviti pasca produksi wayang gambar, video dan program televisyen <i>Motion picture, video and television programme post-production activities</i>	215	1,422	5	1,390	27
Aktiviti pengedaran wayang gambar, video dan program televisyen <i>Motion picture, video and television programme distribution activities</i>	100	978	10	931	37
Aktiviti penayangan wayang gambar <i>Motion picture projection activities</i>	135	4,003	1	3,344	658
Aktiviti rakaman bunyi dan penerbitan muzik <i>Sound record and music publishing activities</i>	190	1,159	48	1,060	51

Jadual 4.1: Perangkaan utama aktiviti pemrograman dan penyiaran, 2005 - 2015*Table 4.1: Principal statistics of programming and broadcasting activities, 2005 - 2015*

Tahun <i>Year</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
2015	39	7,211,172	4,182,456	3,028,715	6,659	582,529	6,088,564
2010	15	4,009,704	2,444,377	1,565,327	4,934	389,210	1,419,866
2009	16	3,920,690	2,437,016	1,483,674	4,516	260,925	980,603
2008	15	913,275	465,657	447,618	2,103	118,482	243,195
2007	13	890,473	463,385	427,088	1,786	107,133	237,989
2006	13	807,500	388,088	419,412	1,717	103,676	240,909
2005	12	779,121	391,391	387,730	1,631	98,489	292,432

Jadual 4.2: Perangkaan utama aktiviti pemrograman dan penyiaran mengikut kumpulan, 2015

Table 4.2: Principal statistics of programming and broadcasting activities by groups, 2015

Keterangan kumpulan <i>Group description</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	39	7,211,172	4,182,456	3,028,715	6,659	582,529	6,088,564
Penyiaran radio <i>Radio broadcasting</i>	18	567,565	320,011	247,554	1,170	83,115	135,474
Aktiviti pemrograman dan penyiaran televisyen <i>Television programming and broadcasting activities</i>	21	6,643,606	3,862,445	2,781,162	5,489	499,413	5,953,090

Jadual 4.3: Perangkaan utama aktiviti pemrograman dan penyiaran mengikut negeri, 2015

Table 4.3: Principal statistics of programming and broadcasting activities by states, 2015

Negeri <i>States</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	39	7,211,172	4,182,456	3,028,715	6,659	582,529	6,088,564
Johor							
Sarawak	3	3,582	1,954	1,628	87	2,414	5,014
Terengganu							
Selangor	20	311,088	173,628	137,460	1,099	67,785	190,614
W.P. Kuala Lumpur	16	6,896,502	4,006,874	2,889,627	5,473	512,329	5,892,936

Jadual 4.4: Perangkaan utama aktiviti pemrograman dan penyiaran mengikut taraf sah, 2015

Table 4.4: Principal statistics of programming and broadcasting activities by legal status, 2015

Taraf sah <i>Legal status</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	39	7,211,172	4,182,456	3,028,715	6,659	582,529	6,088,564

83

Syarikat sendirian berhad
Private limited company



39

7,211,172

4,182,456

3,028,715

6,659

582,529

6,088,564

Syarikat awam berhad
Public limited company

Jadual 4.5: Perangkaan utama aktiviti pemrograman dan penyiaran mengikut hak milik, 2015

Table 4.5: Principal statistics of programming and broadcasting activities by ownerships, 2015

Hak milik <i>Ownerships</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	39	7,211,172	4,182,456	3,028,715	6,659	582,529	6,088,564

Residen Malaysia <i>Malaysian residents</i>	39	7,211,172	4,182,456	3,028,715	6,659	582,529	6,088,564
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Jadual 4.6: Bilangan pekerja dan gaji & upah bagi aktiviti pemrograman dan penyiaran mengikut kategori pekerja, 2015
 Table 4.6: Number of person engaged and salaries & wages in the programming and broadcasting activities by category of workers, 2015

Kategori pekerja <i>Category of workers</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries & wages paid</i> (RM '000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
Jumlah/ Total	6,659	3,084	3,575	582,529
Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji <i>Total working proprietors and unpaid family workers</i>	-	-	-	-
Pemilik yang bekerja dan rakan niaga yang aktif <i>Working proprietors and active business partners</i>	-	-	-	-
Pekerja keluarga tidak bergaji (semua ahli keluarga dan rakan yang tidak menerima upah yang tetap) <i>Unpaid family workers (all members of family and friends not receiving regular wages)</i>	-	-	-	-
Jumlah pekerja bergaji (sepenuh masa) <i>Total paid employees (full-time)</i>	6,635	3,068	3,567	582,205
Pengurus <i>Managers</i>	675	372	303	174,546
Professional <i>Professional</i>	2,675	1,307	1,368	266,861
Professional <i>Professional</i>	2,642	1,274	1,368	264,283
Penyelidik <i>Researcher</i>	33	33	-	2,578
Juruteknik dan profesional bersekutu <i>Technicians and associate professionals</i>	805	622	183	59,173
Pekerja sokongan perkeranian <i>Clerical support workers</i>	1,347	224	1,123	53,160
Pekerja perkhidmatan dan jualan <i>Service and sales workers</i>	401	385	16	11,974
Pekerja kemahiran dan pekerja pertukangan yang berkaitan <i>Craft and related trades workers</i>	47	32	15	835
Operator mesin, loji dan pemasang <i>Plant and machine operators and assemblers</i>				
Pekerjaan asas <i>Elementary occupations</i>	685	126	559	15,656
Pekerja bergaji (sambilan) <i>Paid employees (part-time)</i>	24	16	8	322

Jadual 4.7: Bilangan pekerja bagi aktiviti pemrograman dan penyiaran mengikut kumpulan, 2015
Table 4.7: Number of persons engaged in the programming and broadcasting activities by groups, 2015

Keterangan kumpulan <i>Group description</i>	Bilangan pertubuhan <i>Number of establishments</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			
		Jumlah <i>Total</i>	Pemilik yang bekerja, rakan niaga yang aktif dan pekerja keluarga tidak bergaji <i>Working proprietors, active business partners and unpaid family workers</i>	Pekerja sepenuh masa <i>Full-time employees</i>	Pekerja sambilan <i>Part-time employees</i>
Jumlah/ Total	39	6,659	-	6,635	24
Penyiaran radio <i>Radio broadcasting</i>	18	1,170	-	1,146	24
Aktiviti pemrograman dan penyiaran televisyen <i>Television programming and broadcasting activities</i>	21	5,489	-	5,489	-

Jadual 5.1: Perangkaan utama perkhidmatan telekomunikasi, 2005 - 2015

Table 5.1: Principal statistics of telecommunication services, 2005 - 2015

Tahun Year	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir 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)
2015	1,135	72,293,739	33,988,507	38,305,231	51,510	3,804,464	61,095,436
2010	342	53,426,879	26,320,024	27,106,855	41,814	2,120,085	25,191,839
2009	167	38,565,982	16,657,835	21,908,147	37,875	2,109,315	24,393,337
2008	140	40,803,819	18,147,847	22,655,972	40,133	2,201,388	24,917,975
2007	139	37,190,141	17,657,705	19,532,436	40,126	2,152,325	23,946,450
2006	124	35,515,691	16,262,908	19,252,783	40,087	2,061,341	23,966,596
2005	98	32,104,585	15,752,236	16,352,349	38,165	1,540,813	28,012,250

Jadual 5.2: Perangkaan utama perkhidmatan telekomunikasi mengikut kumpulan, 2015

Table 5.2: Principal statistics of telecommunication services by groups, 2015

Keterangan kumpulan <i>Group description</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	1,135	72,293,739	33,988,507	38,305,231	51,510	3,804,464	61,095,436
Aktiviti telekomunikasi (berwayar, tanpa wayar, dan satelit) <i>Telecommunication activities (wired, wireless and satellite)</i>	484	62,392,817	28,707,742	33,685,075	37,233	2,843,499	55,495,095
Penyediaan akses internet melalui rangkaian di antara pelanggan dan ISP (termasuk penyediaan perkhidmatan telekomunikasi melalui sambungan telekom VOIP sedia ada) <i>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 connection VOIP provision)</i>	91	2,628,240	1,481,541	1,146,699	3,349	207,263	2,132,890
Aktiviti telekomunikasi lain <i>Other telecommunications activities</i>	560	7,272,682	3,799,224	3,473,457	10,928	753,702	3,467,451

Jadual 5.3: Perangkaan utama perkhidmatan telekomunikasi mengikut negeri, 2015

Table 5.3: Principal statistics of telecommunication services by states, 2015

Negeri <i>States</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	1,135	72,293,739	33,988,507	38,305,231	51,510	3,804,464	61,095,436
Johor	46	46,005	26,146	19,860	303	8,257	6,648
Kedah	12	20,705	13,884	6,821	118	5,136	7,014
Melaka	14	24,014	9,239	14,775	66	1,118	12,097
Negeri Sembilan	4	2,333	1,168	1,165	42	766	1,684
Pahang	}	79,962	21,593	58,369	96	3,996	287,574
Terengganu							
Perak	14	4,074	2,464	1,610	57	1,105	572
Pulau Pinang	37	417,349	170,995	246,355	866	42,253	73,557
Sabah	16	67,262	37,912	29,351	150	3,862	128,968
Sarawak	16	361,559	149,511	212,048	304	16,647	942,636
Selangor	627	14,269,662	6,568,056	7,701,606	14,344	1,029,072	11,706,522
W.P. Kuala Lumpur	337	56,980,786	26,975,839	30,004,947	35,091	2,688,423	47,909,945
W.P. Putrajaya	3	20,025	11,700	8,325	73	3,831	18,219

Jadual 5.4: Perangkaan utama perkhidmatan telekomunikasi mengikut taraf sah, 2015

Table 5.4: Principal statistics of telecommunication services by legal status, 2015

Taraf sah <i>Legal status</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	1,135	72,293,739	33,988,507	38,305,231	51,510	3,804,464	61,095,436
Hak milik perseorangan <i>Individual proprietorship</i>	13	4,688	2,655	2,033	54	981	904
Perkongsian <i>Partnership</i>	3	1,390	740	650	14	289	412
Syarikat sendirian berhad <i>Private limited company</i>	1,106	50,398,227	26,299,980	24,098,247	29,225	2,187,741	31,742,449
Syarikat awam berhad <i>Public limited company</i>	13	21,889,433	7,685,133	14,204,300	22,217	1,615,454	29,351,672

Jadual 5.5: Perangkaan utama perkhidmatan telekomunikasi mengikut hak milik, 2015

Table 5.5: Principal statistics of telecommunication services by ownerships, 2015

Hak milik <i>Ownerships</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	1,135	72,293,739	33,988,507	38,305,231	51,510	3,804,464	61,095,436
Residen Malaysia <i>Malaysian residents</i>	1,123	70,762,997	33,472,971	37,290,026	49,137	3,546,033	60,091,390
Bukan residen Malaysia <i>Non-Malaysian residents</i>	12	1,530,741	515,536	1,015,205	2,373	258,431	1,004,046

Jadual 5.6: Bilangan pekerja dan gaji & upah bagi perkhidmatan telekomunikasi mengikut kategori pekerja, 2015
Table 5.6: Number of person engaged and salaries & wages in the telecommunication services by category of workers, 2015

Kategori pekerja <i>Category of workers</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries & wages paid</i> (RM '000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
Jumlah/ Total	51,510	29,966	21,544	3,804,464
Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji <i>Total working proprietors and unpaid family workers</i>	23	18	5	-
Pemilik yang bekerja dan rakan niaga yang aktif <i>Working proprietors and active business partners</i>	19	15	4	-
Pekerja keluarga tidak bergaji (semua ahli keluarga dan rakan yang tidak menerima upah yang tetap) <i>Unpaid family workers (all members of family and friends not receiving regular wages)</i>	4	3	1	-
Jumlah pekerja bergaji (sepenuh masa) <i>Total paid employees (full-time)</i>	51,416	29,912	21,504	3,803,277
Pengurus <i>Managers</i>	6,459	4,123	2,336	1,264,954
Professional <i>Professional</i>	8,537	5,209	3,328	1,366,595
Professional <i>Professional</i>	7,987	4,916	3,071	1,303,420
Penyelidik <i>Researcher</i>	550	293	257	63,175
Juruteknik dan profesional bersekutu <i>Technicians and associate professionals</i>	9,734	7,812	1,922	501,089
Pekerja sokongan perkeranian <i>Clerical support workers</i>	8,138	2,861	5,277	214,315
Pekerja perkhidmatan dan jualan <i>Service and sales workers</i>	7,954	3,277	4,677	197,300
Pekerja kemahiran dan pekerja pertukangan yang berkaitan <i>Craft and related trades workers</i>	2,592	2,537	55	44,848
Operator mesin, loji dan pemasang <i>Plant and machine operators and assemblers</i>	3,940	1,785	2,155	74,299
Pekerjaan asas <i>Elementary occupations</i>	4,062	2,308	1,754	139,877
Pekerja bergaji (sambilan) <i>Paid employees (part-time)</i>	71	36	35	1,187

Jadual 5.7: Bilangan pekerja bagi perkhidmatan telekomunikasi mengikut kumpulan, 2015
Table 5.7: Number of persons engaged in the telecommunication services by groups, 2015

Keterangan kumpulan <i>Group description</i>	Bilangan pertubuhan <i>Number of establishments</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			
		Jumlah <i>Total</i>	Pemilik yang bekerja, rakan niaga yang aktif dan pekerja keluarga tidak bergaji <i>Working proprietors, active business partners and unpaid family workers</i>	Pekerja sepenuh masa <i>Full-time employees</i>	Pekerja sambilan <i>Part-time employees</i>
Jumlah/ Total	1,135	51,510	23	51,416	71
Aktiviti telekomunikasi (berwayar, tanpa wayar, dan satelit) <i>Telecommunication activities (wired, wireless and satellite)</i>	484	37,233	7	37,205	21
Penyediaan akses internet melalui rangkaian di antara pelanggan dan ISP (termasuk penyediaan perkhidmatan telekomunikasi melalui sambungan telekom VOIP sedia ada) <i>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 connection VOIP provision)</i>	91	3,349	5	3,323	21
Aktiviti telekomunikasi lain <i>Other telecommunications activities</i>	560	10,928	11	10,888	29

Jadual 6.1: Perangkaan utama pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan, 2005 - 2015

Table 6.1: Principal statistics of computer programming, consultancy and related activities, 2005 - 2015

Tahun Year	Bilangan pertubuhan Number of establishments	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir 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)
2015	4,102	31,873,598	17,530,608	14,342,990	98,232	5,201,449	10,676,505
2010	1,366	17,785,128	8,422,108	9,363,020	61,468	3,020,583	2,164,780
2009	979	13,917,228	7,420,872	6,496,356	43,826	2,648,813	1,899,257
2008	966	12,473,030	7,304,914	5,168,116	41,174	2,534,017	1,881,910
2007	940	10,607,004	6,834,117	3,772,887	36,886	2,045,253	1,552,750
2006	822	8,437,060	5,311,869	3,125,191	28,759	1,694,517	1,033,173
2005	749	7,382,384	4,664,325	2,718,059	25,238	1,466,128	1,126,043

Jadual 6.2: Perangkaan utama pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan mengikut kumpulan, 2015

Table 6.2: Principal statistics of computer programming, consultancy and related activities by groups, 2015

Keterangan kumpulan <i>Group description</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	4,102	31,873,598	17,530,608	14,342,990	98,232	5,201,449	10,676,505
Aktiviti pengaturcaraan komputer <i>Computer programming activities</i>	902	8,695,998	4,950,710	3,745,288	21,344	1,209,051	1,139,504
Perkhidmatan perundingan komputer <i>Computer consultancy services</i>	1,118	8,310,153	4,499,925	3,810,228	27,943	1,461,253	2,331,811
Aktiviti pengurusan kemudahan komputer <i>Computer facilities management activities</i>	315	7,990,215	4,602,473	3,387,742	24,667	1,194,753	5,379,652
Aktiviti perkhidmatan teknologi maklumat lain <i>Other information technology service activities</i>	1,767	6,877,231	3,477,499	3,399,732	24,278	1,336,391	1,825,537

Jadual 6.3: Perangkaan utamapengaturcaraan komputer, perundingan dan aktiviti yang berkaitan mengikut negeri, 2015

Table 6.3: Principal statistics of computer programming, consultancy and related activities by states, 2015

Negeri <i>States</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	4,102	31,873,598	17,530,608	14,342,990	98,232	5,201,449	10,676,505
Johor	140	308,851	177,893	130,958	1,546	44,916	88,499
Kedah	} 26	19,882	12,781	7,101	174	4,930	6,709
Perlis							
Kelantan	7	2,647	1,695	952	25	479	195
Melaka	43	24,004	13,732	10,272	173	3,560	7,891
Negeri Sembilan	16	77,046	41,900	35,146	188	9,124	8,665
Pahang	13	6,869	3,216	3,653	49	975	835
Perak	64	95,966	59,157	36,809	309	15,345	43,533
Pulau Pinang	222	2,952,255	1,702,250	1,250,005	7,743	211,502	4,118,473
Sabah	16	84,303	56,516	27,787	279	9,324	35,870
Sarawak	29	140,068	87,062	53,007	897	19,396	41,160
Selangor	2,113	14,111,682	7,491,057	6,620,625	43,870	2,634,546	3,127,673
Terengganu	11	9,981	4,751	5,230	140	3,518	2,191
W.P. Kuala Lumpur	1,394	14,033,633	7,874,015	6,159,618	42,790	2,242,458	3,193,474
W.P. Labuan	} 8	6,411	4,583	1,828	49	1,376	1,338
W.P. Putrajaya							

Jadual 6.4: Perangkaan utama pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan mengikut taraf sah, 2015

Table 6.4: Principal statistics of computer programming, consultancy and related activities by legal status, 2015

Taraf sah <i>Legal status</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	4,102	31,873,598	17,530,608	14,342,990	98,232	5,201,449	10,676,505
Hak milik perseorangan <i>Individual proprietorship</i>	304	168,499	84,428	84,071	1,222	27,182	17,799
Perkongsian <i>Partnership</i>	62	22,394	10,553	11,841	295	5,820	3,793
Perkongsian liabiliti terhad <i>Limited liabilities partnership</i>	26	7,938	3,829	4,109	122	2,605	1,684
Syarikat sendirian berhad <i>Private limited company</i>	3,666	29,872,757	16,450,732	13,422,025	89,862	4,832,586	9,943,540
Syarikat awam berhad <i>Public limited company</i>	40	1,705,223	926,759	778,464	6,648	327,492	689,411
Pertubuhan persendirian yang tidak mencari keuntungan <i>Private non-profit making organisation</i>	4	96,787	54,306	42,480	83	5,764	20,277

Jadual 6.5: Perangkaan utama pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan mengikut hak milik, 2015

Table 6.5: Principal statistics of computer programming, consultancy and related activities by ownerships, 2015

Hak milik <i>Ownerships</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	4,102	31,873,598	17,530,608	14,342,990	98,232	5,201,449	10,676,505
Residen Malaysia <i>Malaysian residents</i>	3,998	20,544,683	11,176,833	9,367,850	68,550	3,533,257	5,657,086
Bukan residen Malaysia <i>Non-Malaysian residents</i>	104	11,328,914	6,353,774	4,975,140	29,682	1,668,192	5,019,419
Hak milik bersama <i>Joint ownership</i>							

Jadual 6.6: Bilangan pekerja dan gaji & upah bagi pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan mengikut kategori pekerja, 2015
Table 6.6: Number of person engaged and salaries & wages in the computer programming, consultancy and related activities by category of workers, 2015

Kategori pekerja <i>Category of workers</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries & wages paid</i> (RM '000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
Jumlah/ Total	98,232	60,829	37,403	5,201,449
Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji <i>Total working proprietors and unpaid family workers</i>	386	356	30	-
Pemilik yang bekerja dan rakan niaga yang aktif <i>Working proprietors and active business partners</i>	355	328	27	-
Pekerja keluarga tidak bergaji (semua ahli keluarga dan rakan yang tidak menerima upah yang tetap) <i>Unpaid family workers (all members of family and friends not receiving regular wages)</i>	31	28	3	-
Jumlah pekerja bergaji (sepenuh masa) <i>Total paid employees (full-time)</i>	97,570	60,331	37,239	5,197,801
Pengurus <i>Managers</i>	11,740	8,180	3,560	1,262,166
Profesional <i>Professional</i>	24,227	16,083	8,144	1,831,609
Profesional <i>Professional</i>	23,106	15,309	7,797	1,708,463
Penyelidik <i>Researcher</i>	1,121	774	347	123,146
Juruteknik dan profesional bersekutu <i>Technicians and associate professionals</i>	26,316	19,136	7,180	1,253,015
Pekerja sokongan perkeranian <i>Clerical support workers</i>	12,267	3,562	8,705	354,527
Pekerja perkhidmatan dan jualan <i>Service and sales workers</i>	5,367	2,900	2,467	165,879
Pekerja kemahiran dan pekerja pertukangan yang berkaitan <i>Craft and related trades workers</i>	3,136	2,456	680	91,934
Operator mesin, loji dan pemasang <i>Plant and machine operators and assemblers</i>	1,336	724	612	29,792
Pekerjaan asas <i>Elementary occupations</i>	13,181	7,290	5,891	208,878
Pekerja bergaji (sambilan) <i>Paid employees (part-time)</i>	276	142	134	3,648

Jadual 6.7: Bilangan pekerja bagi pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan mengikut kumpulan, 2015
Table 6.7: Number of persons engaged in the computer programming, consultancy and related activities by groups, 2015

Keterangan kumpulan <i>Group description</i>	Bilangan pertubuhan <i>Number of establishments</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			
		Jumlah <i>Total</i>	Pemilik yang bekerja, rakan niaga yang aktif dan pekerja keluarga tidak bergaji <i>Working proprietors, active business partners and unpaid family workers</i>	Pekerja sepenuh masa <i>Full-time employees</i>	Pekerja sambilan <i>Part-time employees</i>
Jumlah/ Total	4,102	98,232	386	97,570	276
Aktiviti pengaturcaraan komputer <i>Computer programming activities</i>	902	21,344	110	21,174	60
Perkhidmatan perundingan komputer <i>Computer consultancy services</i>	1,118	27,943	50	27,775	118
Aktiviti pengurusan kemudahan komputer <i>Computer facilities management activities</i>	315	24,667	17	24,633	17
Aktiviti perkhidmatan teknologi maklumat lain <i>Other information technology service activities</i>	1,767	24,278	209	23,988	81

Jadual 7.1: Perangkaan utama aktiviti perkhidmatan maklumat, 2005 - 2015

Table 7.1: Principal statistics of information services activity, 2005 - 2015

Tahun <i>Year</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
2015	651	5,079,957	2,387,549	2,692,408	16,270	909,292	1,183,356
2010	205	3,744,555	1,242,892	2,501,663	13,284	579,329	601,488
2009	138	3,495,344	1,655,740	1,839,604	10,374	701,370	597,814
2008	137	3,336,085	1,517,437	1,818,648	10,372	632,434	608,555
2007	119	2,626,076	1,322,094	1,303,982	10,176	487,560	519,471
2006	114	2,393,725	1,333,099	1,060,626	9,899	435,481	489,718
2005	110	1,587,216	857,433	729,783	8,262	344,128	539,291

Jadual 7.2: Perangkaan utama aktiviti perkhidmatan maklumat mengikut kumpulan, 2015

Table 7.2: Principal statistics of information services activity by groups, 2015

Keterangan kumpulan <i>Group description</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	651	5,079,957	2,387,549	2,692,408	16,270	909,292	1,183,356
Aktiviti penyediaan infrastruktur untuk hosting, perkhidmatan prosesan data dan aktiviti yang berkaitan <i>Activities of providing infrastructure for hosting, data processing services and related activities</i>	238	2,668,396	1,394,666	1,273,731	6,536	448,997	834,743
Aktiviti prosesan data <i>Data processing activities</i>	104	1,365,309	518,830	846,479	6,068	313,760	92,726
Web portal <i>Web portals</i>	152	269,405	139,062	130,343	1,279	53,040	71,736
Aktiviti perkhidmatan maklumat lain <i>Other information service activities</i>	157	776,846	334,991	441,855	2,387	93,494	184,151

Jadual 7.3: Perangkaan utama aktiviti perkhidmatan maklumat mengikut negeri, 2015

Table 7.3: Principal statistics of information services activity by states, 2015

Negeri <i>States</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	651	5,079,957	2,387,549	2,692,408	16,270	909,292	1,183,356
Johor	22	56,186	14,457	41,729	182	8,464	6,249
Kedah	}	1,569	551	1,018	18	632	536
Kelantan							
Pahang							
Melaka	8	3,037	1,624	1,414	28	792	1,259
Negeri Sembilan	4	710	388	322	12	337	2,708
Perak	14	15,776	8,724	7,052	54	1,854	1,790
Pulau Pinang	46	66,561	34,176	32,385	405	11,828	11,815
Sabah	8	5,140	2,849	2,290	50	1,528	2,021
Sarawak	4	2,842	907	1,935	24	599	1,561
Selangor	305	2,739,120	1,212,084	1,527,036	8,696	526,782	774,007
W.P. Kuala Lumpur	236	2,189,015	1,111,789	1,077,226	6,801	356,475	381,410

Jadual 7.4: Perangkaan utama aktiviti perkhidmatan maklumat mengikut taraf sah, 2015

Table 7.4: Principal statistics of information services activity by legal status, 2015

Taraf sah <i>Legal status</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	651	5,079,957	2,387,549	2,692,408	16,270	909,292	1,183,356
Hak milik perseorangan <i>Individual proprietorship</i>	51	14,875	7,234	7,641	185	3,114	5,163
Perkongsian <i>Partnership</i>	9	3,491	1,893	1,599	40	611	1,360
Perkongsian liabiliti terhad <i>Limited liabilities partnership</i>							
Syarikat sendirian berhad <i>Private limited company</i>	579	4,152,837	1,866,687	2,286,151	14,633	771,725	962,840
Syarikat awam berhad <i>Public limited company</i>	12	908,753	511,736	397,017	1,412	133,842	213,992
Perbadanan awam <i>Public corporation</i>							

Jadual 7.5: Perangkaan utama aktiviti perkhidmatan maklumat mengikut hak milik, 2015

Table 7.5: Principal statistics of information services activity by ownerships, 2015

Hak milik <i>Ownerships</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>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>	Gaji & upah yang dibayar <i>Salaries & 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)		(RM '000)	(RM '000)
Jumlah/ Total	651	5,079,957	2,387,549	2,692,408	16,270	909,292	1,183,356
Residen Malaysia <i>Malaysian residents</i>	638	3,840,191	1,923,699	1,916,493	12,562	575,633	974,167
Bukan residen Malaysia <i>Non-Malaysian residents</i>	13	1,239,765	463,850	775,915	3,708	333,658	209,189

Jadual 7.6: Bilangan pekerja dan gaji & upah bagi aktiviti perkhidmatan maklumat mengikut kategori pekerja, 2015
Table 7.6: Number of person engaged and salaries & wages in the information services activity by category of workers, 2015

Kategori pekerja <i>Category of workers</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			Gaji & upah yang dibayar <i>Salaries & wages paid</i> (RM '000)
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	
Jumlah/ Total	16,270	10,865	5,405	909,292
Jumlah pemilik yang bekerja dan pekerja keluarga tidak bergaji <i>Total working proprietors and unpaid family workers</i>	66	57	9	-
Pemilik yang bekerja dan rakan niaga yang aktif <i>Working proprietors and active business partners</i>	60	55	5	-
Pekerja keluarga tidak bergaji (semua ahli keluarga dan rakan yang tidak menerima upah yang tetap) <i>Unpaid family workers (all members of family and friends not receiving regular wages)</i>	6	2	4	-
Jumlah pekerja bergaji (sepenuh masa) <i>Total paid employees (full-time)</i>	15,883	10,502	5,381	905,821
Pengurus <i>Managers</i>	1,683	1,208	475	273,226
Profesional <i>Professional</i>	5,206	3,435	1,771	386,836
Profesional <i>Professional</i>	4,499	3,129	1,370	313,625
Penyelidik <i>Researcher</i>	707	306	401	73,211
Juruteknik dan profesional bersekutu <i>Technicians and associate professionals</i>	2,893	2,399	494	120,120
Pekerja sokongan perkeranian <i>Clerical support workers</i>	2,681	1,099	1,582	59,754
Pekerja perkhidmatan dan jualan <i>Service and sales workers</i>	748	384	364	20,040
Pekerja kemahiran dan pekerja pertukangan yang berkaitan <i>Craft and related trades workers</i>	707	561	146	14,043
Operator mesin, loji dan pemasang <i>Plant and machine operators and assemblers</i>	103	80	23	2,271
Pekerjaan asas <i>Elementary occupations</i>	1,862	1,336	526	29,531
Pekerja bergaji (sambilan) <i>Paid employees (part-time)</i>	321	306	15	3,470

Jadual 7.7: Bilangan pekerja bagi aktiviti perkhidmatan maklumat mengikut kumpulan, 2015
Table 7.7: Number of persons engaged in the information services activity by groups, 2015

Keterangan kumpulan <i>Group description</i>	Bilangan pertubuhan <i>Number of establishments</i>	Bilangan pekerja pada bulan Disember atau pada tempoh gaji akhir <i>Number of persons engaged during December or the last pay period</i>			
		Jumlah <i>Total</i>	Pemilik yang bekerja, rakan niaga yang aktif dan pekerja keluarga tidak bergaji <i>Working proprietors, active business partners and unpaid family workers</i>	Pekerja sepenuh masa <i>Full-time employees</i>	Pekerja sambilan <i>Part-time employees</i>
Jumlah/ Total	651	16,270	66	15,883	321
Aktiviti penyediaan infrastruktur untuk hosting, perkhidmatan prosesan data dan aktiviti yang berkaitan <i>Activities of providing infrastructure for hosting, data processing services and related activities</i>	238	6,536	16	6,514	6
Aktiviti prosesan data <i>Data processing activities</i>	104	6,068	6	6,053	9
Web portal <i>Web portals</i>	152	1,279	34	1,226	19
Aktiviti perkhidmatan maklumat lain <i>Other information service activities</i>	157	2,387	10	2,090	287

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LAMPIRAN

APPENDIX

PIAWAIAN KLASIFIKASI INDUSTRI MALAYSIA (MSIC) 2008 Ver. 1.0
MALAYSIA STANDARD INDUSTRIAL CLASSIFICATION (MSIC) 2008 Ver.1.0

PERKHIDMATAN MAKLUMAT DAN KOMUNIKASI
INFORMATION AND COMMUNICATION SERVICES

MSIC 2008	Keterangan Description
58	Aktiviti penerbitan <i>Publishing activities</i>
58110	Penerbitan buku , brosur dan penerbitan lain <i>Publishing of books, brochures and other publications</i>
58120	Penerbitan senarai mel, buku telefon dan direktori lain <i>Publishing of mailing lists, telephone book, other directories</i>
58130	Penerbitan surat khabar, jurnal, majalah dan penerbitan berkala dalam bentuk cetakan atau elektronik <i>Publishing of newspapers, journals, magazines and periodicals in print or electronic form</i>
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. <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	Aplikasi perniagaan dan aplikasi lain <i>Business and other applications</i>
58202	Permainan komputer untuk semua platform <i>Computer games for all platforms</i>
58203	Sistem operasi <i>Operating systems</i>
59	Aktiviti penerbitan wayang gambar, video dan program televisyen, rakaman bunyi dan penerbitan muzik <i>Motion picture video and television programme production, sound recording and music publishing activities</i>
59110	Aktiviti pengeluaran wayang gambar, video dan program televisyen <i>Motion picture, video and television programme production activities</i>
59120	Aktiviti pasca produksi wayang gambar, video dan program televisyen <i>Motion picture, video and television programme post-production activities</i>
59130	Aktiviti pengedaran wayang gambar, video dan program televisyen <i>Motion picture, video and television programme distribution activities</i>
59140	Aktiviti penayangan wayang gambar <i>Motion picture projection activities</i>
59200	Aktiviti rakaman bunyi dan penerbitan muzik <i>Sound recording and music publishing activities</i>
60	Aktiviti pemrograman dan penyiaran <i>Programming and broadcasting activities</i>
60100	Penyiaran radio <i>Radio broadcasting</i>
60200	Aktiviti pemrograman dan penyiaran televisyen <i>Television programming and broadcasting activities</i>
61	Perkhidmatan telekomunikasi <i>Telecommunications services</i>
61101	Perkhidmatan telekomunikasi berwayar <i>Wired telecommunications services</i>

MSIC 2008	Keterangan <i>Description</i>
61102	Pembekal akses internet oleh operator infrastruktur berwayar <i>Internet access providers by the operator of the wired infrastructure</i>
61201	Perkhidmatan telekomunikasi tanpa wayar <i>Wireless telecommunications services</i>
61202	Pembekal akses internet oleh operator infrastruktur tanpa wayar <i>Internet access providers by the operator of the wireless infrastructure</i>
61300	Perkhidmatan telekomunikasi satelit <i>Satellite telecommunications services</i>
61901	Penyediaan akses internet melalui rangkaian di antara pelanggan dan ISP yang bukan dimiliki atau dikawal oleh ISP <i>Provision of Internet access over net works between the client and the ISP not owned or controlled</i>
61902	Penyediaan perkhidmatan telekomunikasi melalui sambungan telekom sedia ada <i>Provision of telecommunications services over existing telecom connection</i>
61903	Penjualan semula telekomunikasi <i>Telecommunications resellers</i>
61904	Penyediaan perkhidmatan telekomunikasi melalui sambungan telekom VOIP (Voice Over Internet Protocol) sedia ada <i>Provision of telecommunications services over existing telecom connections VOIP (Voice Over Internet Protocol) provision</i>
61905	Penyediaan aplikasi telekomunikasi yang khusus <i>Provision of specialized telecommunications applications</i>
61909	Aktiviti telekomunikasi lain t.t.t.l. <i>Other telecommunications activities n.e.c.</i>
62	Aktiviti pengaturcaraan komputer, perundingan dan aktiviti yang berkaitan <i>Computer programming, consultancy and related activities.</i>
62010	Aktiviti pengaturcaraan komputer <i>Computer programming activities</i>
62021	Perundingan komputer <i>Computer consultancy</i>
62022	Aktiviti pengurusan kemudahan komputer <i>Computer facilities management activities</i>
62091	Sistem keselamatan teknologi maklumat dan komunikasi (ICT) <i>Information communication technology (ICT) system security</i>
62099	Aktiviti perkhidmatan teknologi maklumat t.t.t.l <i>Other information technology service activities n.e.c</i>
63	Aktiviti perkhidmatan maklumat <i>Information services activities</i>
63111	Aktiviti penyediaan infrastruktur untuk <i>hosting</i>, perkhidmatan prosesan data dan aktiviti yang berkaitan <i>Activities of providing infrastructure for hosting, data processing services and related activities</i>
63112	Aktiviti prosesan data <i>Data processing activities</i>
63120	Web portal <i>Web portals</i>
63910	Aktiviti agensi dan sindiket berita <i>News syndicate and news agency activities</i>
63990	Aktiviti perkhidmatan maklumat lain t.t.t.l <i>Other information service activities n.e.c.</i>

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