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MATLAMAT DASAR KEBANGSAAN BAGI INDUSTRI KOMUNIKASI DAN MULTIMEDIA NATIONAL POLICY OBJECTIVES FOR THE COMMUNICATIONS AND MULTIMEDIA INDUSTRY

- 1** Menjadikan Malaysia sebagai pusat dan tumpuan utama dunia bagi perkhidmatan komunikasi dan perkhidmatan maklumat dan kandungan multimedia
To establish Malaysia as a major global centre and hub for communications and multimedia information and content services
- 2** Menggalakkan pewujudan masyarakat madani yang dalamnya perkhidmatan berdasarkan maklumat akan menyediakan asas bagi peningkatan yang berterusan kepada mutu kerja dan hidup
To promote a civil society where information-based services will provide the basis of continuing enhancements to quality of work and life
- 3** Mencambahkan dan memupuk sumber maklumat dan perlambangan budaya tempatan yang membantu mengetengahkan identiti kebangsaan dan kepelbagaian dunia
To grow and nurture local information resources and cultural representation that facilitates the national identity and global diversity
- 4** Mengawal selia bagi faedah jangka panjang pengguna akhir
To regulate for the long-term benefit of the end user
- 5** Menggalakkan tahap keyakinan pengguna yang tinggi dalam penyampaian perkhidmatan daripada industri itu
To promote a high level of consumer confidence in service delivery from the industry
- 6** Memastikan penyediaan perkhidmatan sama rata yang mampu dibayar melalui infrastruktur kebangsaan yang sentiasa ada
To ensure an equitable provision of affordable services over ubiquitous national infrastructure
- 7** Mewujudkan suasana aplikasi yang giat bagi pengguna akhir
To create a robust application environment for end users
- 8** Memudahkan pengagihan secara berkesan sumber seperti tenaga buruh mahir, modal, pengetahuan dan aset kebangsaan
To facilitate the efficient allocation of resources such as skilled labour, capital, knowledge and national assets
- 9** Menggalakkan pembinaan keupayaan dan kecekapan dalam industri percantuman Malaysia
To promote the development of capabilities and skills within Malaysia's convergence industries
- 10** Menjamin keselamatan maklumat dan kebolehpercayaan serta keutuhan rangkaian
To ensure information security and network reliability and integrity

Nota

Sekiranya sesuatu jadual tidak diikuti oleh nota tentang sumber data, maka seluruh data yang terkandung di dalamnya berpunca semata-mata daripada Suruhanjaya Komunikasi dan Multimedia Malaysia (MCMC)

Angka-angka awalan dicondongkan

Angka-angka yang dipinda digariskan

Angka yang terkandung dalam sesuatu jadual merujuk kepada penghujung tempoh. Sebagai contoh, kadar penembusan tahunan bagi sesuatu perkhidmatan dikira dengan menggunakan jumlah langganan dan anggaran jumlah penduduk pada hujung tahun. Ini adalah berbeza daripada amalan demografi Malaysia di mana jumlah penduduk pertengahan tahun dianggap sebagai jumlah penduduk tahunan. Sekiranya kedua-dua amalan ini hendaklah diselaraskan kepada norma demografi, maka kadar penembusan seperti pada penghujung Jun hendaklah digunakan

Jumlah campuran mungkin berbeza kerana pembundaran

Notes

Where a table is not accompanied by a source acknowledgement, that table carries data that emanated solely from the Malaysian Communications and Multimedia Commission (MCMC)

Preliminary figures are italicised

Revised figures are underscored

Figures presented in tables are as at the end of the period. Hence a penetration rate for a given year is calculated using the number of subscriptions and estimated population as at the end of the year. This is different from the Malaysian demographic practice of using the mid-year population as the population for that year. If the practices need to be synchronised to the demographic norm, then the penetration rates as at end June of that year must be used

The added total may differ due to rounding

Simbol dan Singkatan

...	Tidak diperolehi
KKMM	Kementerian Komunikasi dan Multimedia Malaysia
DOSM	Jabatan Perangkaan Malaysia
MCMC	Suruhanjaya Komunikasi dan Multimedia Malaysia
ITU	<i>International Telecommunication Union</i>
ICT	Teknologi maklumat dan komunikasi

Symbols and Abbreviations

...	<i>Not available</i>
KKMM	<i>Ministry of Communications and Multimedia Malaysia</i>
DOSM	<i>Department of Statistics, Malaysia</i>
MCMC	<i>Malaysian Communications and Multimedia Commission</i>
ITU	<i>International Telecommunication Union</i>
ICT	<i>Information and Communications Technology</i>

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KANDUNGAN CONTENTS

10 Matlamat Dasar Kebangsaan Bagi Industri Komunikasi dan Multimedia <i>10 National Policy Objectives for the Communications and Multimedia Industry</i>	I
Nota <i>Notes</i>	II
Simbol dan singkatan <i>Symbols and abbreviations</i>	III
Snapshot 2017 <i>Snapshot 2017</i>	X

PETUNJUK-PETUNJUK ASAS BASIC INDICATORS

1. Petunjuk-petunjuk asas Malaysia <i>Malaysia basic indicators</i>	2
2. Kadar penembusan sepintas lalu (%) <i>Penetration rates at a glance (%)</i>	4
3. Bilangan lesen sehingga 31 Disember 2017 <i>Number of licences until 31 December 2017</i>	6

JALUR LEBAR DAN INTERNET*BROADBAND AND INTERNET*

-
4. **Kadar penembusan jalur lebar bagi 100 penduduk mengikut negeri (%)** **8**
Broadband penetration rate per 100 inhabitants by state (%)
-
5. **Bilangan langganan jalur lebar** **10**
Number of broadband subscriptions
-
6. **Peratus pengguna Internet mengikut jantina** **11**
Percentage of Internet users by gender
-
7. **Peratus pengguna Internet mengikut kategori umur** **12**
Percentage of Internet users by age category
-
8. **Peratusan capaian komputer isi rumah mengikut negeri** **13**
Percentage of computer access by household by state
-

9. **Langganan jalur lebar tetap bagi 100 penduduk, negara-negara ASEAN** **14**
Fixed-broadband subscriptions per 100 inhabitants, ASEAN countries
-

10. **Langganan jalur lebar tetap bagi 100 penduduk bagi 10 rakan dagang terbesar, Malaysia** **16**
Fixed-broadband subscriptions per 100 inhabitants for 10 biggest trading partners, Malaysia
-

SELULAR MUDAH ALIH*MOBILE-CELLULAR*

-
11. **Bilangan langganan selular mudah alih dan kadar penembusan** **20**
Number of mobile-cellular subscriptions and penetration rate
-

12. Kadar penembusan selular mudah alih bagi 100 penduduk mengikut negeri (%) <i>Mobile-cellular penetration rate per 100 inhabitants by state (%)</i>	22
13. Kemudahan alihan nombor <i>Mobile number portability</i>	23
14. Peratus pengguna telefon bimbit mengikut jantina <i>Percentage of handphone users by gender</i>	24
15. Bilangan khidmat pesanan ringkas (SMS) <i>Number of short message services (SMS)</i>	25
16. Langganan selular mudah alih bagi 100 penduduk, negara-negara ASEAN <i>Mobile-cellular subscriptions per 100 inhabitants, ASEAN countries</i>	26

17. Langganan selular mudah alih bagi 100 penduduk bagi 10 rakan dagang terbesar, Malaysia <i>Mobile-cellular subscriptions per 100 inhabitants for 10 biggest trading partners, Malaysia</i>	28
--	----

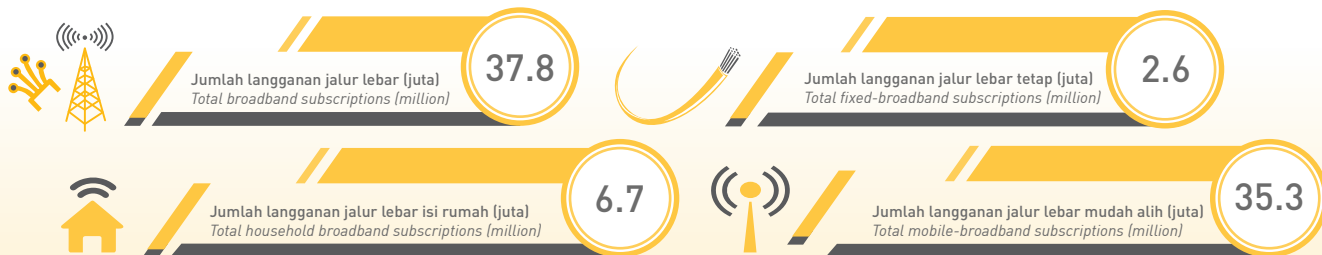
TELEFON TETAP
FIXED-TELEPHONES

18. Bilangan langganan telefon tetap dan kadar penembusan <i>Number of fixed-telephone subscriptions and penetration rate</i>	32
19. Bilangan langganan Talian Ibu Sawat Terus dan kadar penembusan <i>Number of Direct Exchange Line (DEL) subscriptions and penetration rate</i>	34
20. Kadar penembusan Talian Ibu Sawat Terus bagi 100 isi rumah mengikut negeri (%) <i>Direct Exchange Line (DEL) penetration rate per 100 households by state (%)</i>	35

- | | | | |
|--|-----------|---|-----------|
| <p>21. Langganan telefon tetap bagi 100 penduduk, negara-negara ASEAN
<i>Fixed-telephone subscriptions per 100 inhabitants, ASEAN countries</i></p> | 37 | <p>25. Peratusan capaian radio isi rumah mengikut negeri
<i>Percentage of radio access by household by state</i></p> | 45 |
| <hr/> | | | |
| <p>22. Langganan telefon tetap bagi 100 penduduk bagi 10 rakan dagang terbesar, Malaysia
<i>Fixed-telephone subscriptions per 100 inhabitants for 10 biggest trading partners, Malaysia</i></p> | 39 | <p>TANDATANGAN DIGITAL
<i>DIGITAL SIGNATURE</i></p> | |
| <hr/> | | | |
| <p>TV DAN RADIO
<i>TV AND RADIO</i></p> | | <p>26. Bilangan lesen pihak berkuasa pemerakuan
<i>Number of certification authorities</i></p> | 48 |
| <hr/> | | | |
| <p>23. Bilangan langganan TV berbayar dan kadar penembusan
<i>Number of pay TV subscriptions and penetration rate</i></p> | 42 | <p>27. Bilangan sijil yang dikeluarkan mengikut jenis
<i>Number of certificates issued by type</i></p> | 49 |
| <hr/> | | | |
| <p>24. Peratusan capaian televisyen isi rumah mengikut negeri
<i>Percentage of television access by household by state</i></p> | 44 | <p>KEDUDUKAN MALAYSIA DALAM INDEKS BERKAITAN ICT
<i>MALAYSIA RANKING FOR ICT RELATED INDICES</i></p> | |
| <hr/> | | | |
| | | <p>28. Kedudukan Malaysia dalam indeks berkaitan ICT
<i>Malaysia ranking for ICT related indices</i></p> | 52 |

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JALUR LEBAR BROADBAND



TELEFON TETAP FIXED-TELEPHONES



6.6

Jumlah langganan telefon tetap (juta)
Total fixed-telephone subscriptions (million)

20.4

Kadar penembusan telefon tetap bagi 100 penduduk (%)
Fixed-telephone penetration rate per 100 inhabitants (%)

SELULAR MUDAH ALIH MOBILE-CELLULAR



42.3

Jumlah langganan selular mudah alih (juta)
Total mobile-cellular subscriptions (million)

131.2

Kadar penembusan selular mudah alih
bagi 100 penduduk (%)
*Mobile-cellular penetration rate
per 100 inhabitants (%)*

10.2

Langganan pascabayar (juta)
Postpaid subscriptions (million)

32.1

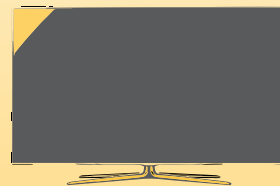
Langganan prabayar (juta)
Prepaid subscriptions (million)

TV BERBAYAR PAY TV

83.2

Kadar penembusan TV berbayar bagi 100 isi rumah (%)
Pay TV penetration rate per 100 households (%)

6.8
Jumlah langganan TV berbayar (juta)
Total pay TV subscriptions (million)



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1 PETUNJUK-PETUNJUK ASAS MALAYSIA

MALAYSIA BASIC INDICATORS

Tahun Year	Suku Quarter	Penduduk ^a Population (juta/million)	Isi rumah ^b Households (‘000)	Keluaran Dalam Negara Kasar (KDNK) Gross Domestic Product (GDP)		Indeks Harga Pengguna (IHP) ^d Consumer Price Index (CPI)
				Harga semasa Current prices (RM bilion/billion)	Harga malar ^c Constant prices (RM bilion/billion)	
				2016	4	
2017	1	31.95	7,792	324.6	280.1	119.2
	2	32.05	7,817	329.5	287.2	119.1
	3	32.15	7,842	342.8	298.6	119.2
	4	32.26	7,868	355.7	307.9	119.5

Sumber / Source: DOSM, MCMC

Nota penjelasan:

Explanatory notes:

- a. **Unjuran penduduk seperti pada penghujung tempoh berdasarkan Banci 2010**

Population projections as at end of period, based on census 2010

- b. **Bilangan isi rumah diperolehi dengan membahagikan penduduk dengan purata saiz isi rumah**

Number of households derived by dividing populations by average household size

Isi rumah ditakrifkan sebagai seorang atau sekumpulan orang yang bersaudara atau orang tidak bersaudara yang biasanya tinggal bersama dan membuat peruntukan yang sama untuk makanan dan keperluan hidup yang lain

A household consists of related and/or unrelated persons who usually live together and make common provisions for food and other essentials of living

- c. **Tahun asas adalah 2010**

Base year is 2010

- d. **Tahun asas adalah 2010**

Base year is 2010

IHP bagi sesuatu suku tahun merujuk kepada indeks purata dari 1 Januari hingga hujung suku tahun tersebut

The CPI reported against a quarter, refers to the average index for the period spanning 1st January to the end of that quarter

2 KADAR PENEMBUSAN SEPINTAS LALU (%)

PENETRATION RATES AT A GLANCE (%)

Tahun Year	Suku Quarter	Jalur lebar ^a Broadband	Selular mudah alih ^b Mobile-cellular	Talian tetap ^c Fixed-telephone	TV berbayar ^d Pay TV
		bagi 100 penduduk per 100 inhabitants			bagi 100 isi rumah per 100 households
2016	4	99.8	<u>139.9</u>	<u>15.6</u>	<u>79.0</u>
2017	1	103.6	133.9	15.1	78.4
	2	112.1	133.7	20.7	79.0
	3	113.9	131.8	20.4	80.7
	4	117.3	131.2	20.4	83.2

Sumber / Source: DOSM, MCMC

Nota penjelasan:

Explanatory notes:

- a. **Kadar penembusan jalur lebar bagi 100 penduduk dikira dengan membahagi jumlah langganan jalur lebar tetap dan jalur lebar mudah alih dengan jumlah penduduk dan didarab dengan 100. Langganan Wi-Fi awam tidak diambil kira**
The broadband penetration rate per 100 inhabitants is calculated by dividing the sum of fixed and mobile-broadband subscriptions by total number of population and multiplying by 100. Public Wi-Fi subscriptions are not taken into account
- Bemula suku keempat 2015, pengiraan langganan dan kadar penembusan jalur lebar disemak semula dengan tidak lagi mengambil kira jalur lebar tetap yang berkelajuan kurang daripada 1 Mbit/s**
Commencing Q4 2015, the calculation for broadband subscriptions and penetration rates are revised to exclude fixed-broadband with downstream speeds less than 1 Mbit/s
- b. **Kadar penembusan selular mudah alih dikira sebagai jumlah langganan dibahagi jumlah penduduk dan didarabkan dengan 100. Penembusan yang melebihi 100% boleh berpunca daripada pelanggan yang melanggan melebihi daripada satu langganan**
The mobile-cellular penetration rate refers to the total subscriptions divided by total number of population and multiplied by 100. A penetration rate over 100% can occur because of multiple subscriptions
- c. **Kadar penembusan talian tetap dikira sebagai jumlah langganan dibahagi dengan jumlah penduduk dan didarabkan dengan 100**
The fixed-telephone penetration rate refers to the total subscriptions divided by total number of population and multiplied by 100
- d. **Kadar penembusan TV berbayar bagi 100 isi rumah dikira dengan membahagi jumlah langganan isi rumah dengan jumlah isi rumah dan didarab dengan 100**
The pay TV penetration rate per 100 households is calculated by dividing the number of household subscriptions by the number of households and multiplied by 100

3 BILANGAN LESEN SEHINGGA 31 DISEMBER 2017

NUMBER OF LICENCES UNTIL 31 DECEMBER 2017

	Bilangan lesen <i>No. of licences</i>		
	Individu <i>Individual</i>	Kelas ^a <i>Class</i>	Jumlah <i>Total</i>
Penyedia Kemudahan Rangkaian <i>Network Facilities Provider (NFP)</i>	209	9	218
Penyedia Perkhidmatan Rangkaian <i>Network Service Provider (NSP)</i>	176	11	187
Penyedia Perkhidmatan Aplikasi <i>Applications Service Provider (ASP)</i>		433	433
Penyedia Perkhidmatan Aplikasi Kandungan <i>Content Applications Service Provider (CASP)</i>	52	10	62
Jumlah <i>Total</i>	437	463	900

Nota penjelasan:

Explanatory notes:

- a. Lesen kelas didaftarkan untuk tempoh satu tahun
Class licence is registered for a period of 1 year

4 KADAR PENEMBUSAN JALUR LEBAR BAGI 100 PENDUDUK MENGIKUT NEGERI (%)

BROADBAND PENETRATION RATE PER 100 INHABITANTS BY STATE (%)

Tahun/Year	2016	2017			
Suku/Quarter	4	1	2	3	4
Negeri/State					
Johor	130.2	138.0	146.0	140.8	148.1
Kedah	71.4	72.4	80.0	81.6	84.2
Kelantan	64.1	65.8	73.1	73.2	75.7
Melaka	86.5	89.9	99.9	105.0	103.2
Negeri Sembilan	95.2	111.9	123.8	125.5	128.7
Pahang	71.7	75.1	83.3	84.2	86.4
Perak	84.7	88.6	97.3	98.9	102.1
Perlis	71.9	71.3	77.6	89.1	83.5
Pulau Pinang	105.1	114.2	122.7	128.2	130.2
Sabah	58.1	56.0	60.9	64.3	64.5
Sarawak	95.3	93.7	102.7	102.3	106.5
Selangor	117.4	124.3	130.5	131.8	133.8
Terengganu	70.2	72.3	77.1	80.9	81.9
W. P. Kuala Lumpur	191.5	200.2	211.1	221.6	225.2
W.P. Labuan	63.1	61.1	67.3	70.3	70.3
W.P. Putrajaya	77.1	69.7	73.3	82.7	78.5
Malaysia	99.8	103.6	112.1	113.9	117.3

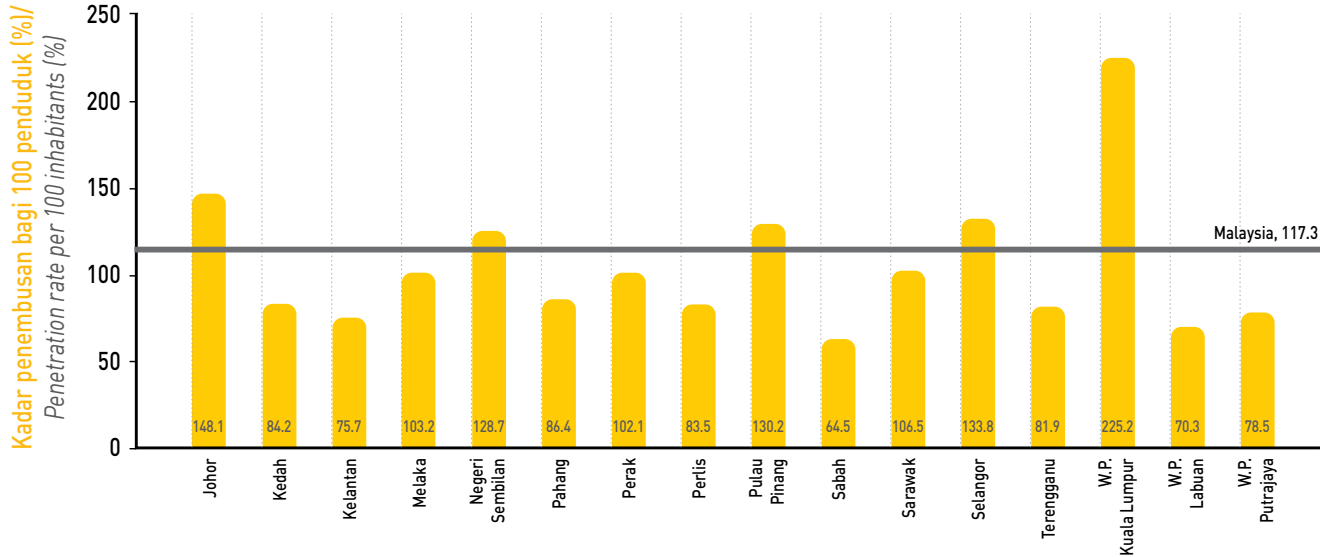
Nota penjelasan:

Explanatory notes:

Sila rujuk nota (a) di Jadual 2

Please see note (a) in Table 2

KADAR PENEMBUSAN JALUR LEBAR BAGI 100 PENDUDUK MENGIKUT NEGERI, 2017
BROADBAND PENETRATION RATE PER 100 INHABITANTS BY STATE, 2017



5 BILANGAN LANGGANAN JALUR LEBAR

NUMBER OF BROADBAND SUBSCRIPTIONS

Tahun Year	Suku Quarter	Tetap ^a <i>Fixed</i>	Mudah alih ^b <i>Mobile</i>	Jumlah <i>Total</i>
		(juta/million)		
2016	4	2.5	28.5	31.0
2017	1	2.5	30.6	33.1
	2	2.5	33.4	35.9
	3	2.5	34.1	36.6
	4	2.6	35.3	37.8

Nota penjelasan: Jumlah campuran mungkin berbeza kerana pembundaran
Explanatory notes: The added total may differ due to rounding

- a. Termasuk ADSL, SDSL, VDSL, Satelit, FTTH, Fixed wireless, EV-DO dan WiMAX tetap
Includes ADSL, SDSL, VDSL, Satellite, FTTH, Fixed wireless, EV-DO and fixed WiMAX

Bemula suku keempat 2015, pengiraan langganan dan kadar penembusan jalur lebar disemak semula dengan tidak lagi mengambil kira jalur lebar tetap yang berkelajuan kurang daripada 1 Mbit/s.

Commencing Q4 2015, the calculation for broadband subscriptions and penetration rates are revised to exclude fixed-broadband with downstream speeds less than 1 Mbit/s

- b. Termasuk prabayar, pascabayar, Pay Per Use dan WiMAX mudah alih
Includes prepaid, postpaid, Pay Per Use and mobile WiMAX

6 PERATUS PENGGUNA INTERNET MENGIKUT JANTINA
PERCENTAGE OF INTERNET USERS BY GENDER

Tahun Year	Lelaki Male	Perempuan Female
	(%)	
2014	58.3	41.7
2015	59.4	40.6
2016	57.4	42.6

Nota penjelasan:

Explanatory notes:

Jadual 6 dan 7 adalah daripada Kajian Pengguna Internet yang dijalankan oleh MCMC
 Tables 6 and 7 are from Internet Users Survey conducted by the MCMC

7 PERATUS PENGGUNA INTERNET MENGIKUT KATEGORI UMUR

PERCENTAGE OF INTERNET USERS BY AGE CATEGORY

Kategori umur <i>Age category</i>	2014	2015	2016
		(%)	
Bawah 15 (<i>Below 15</i>)	1.6	0.9	0.4
15-19	13.9	14.6	12.6
20-24	24.2	22.0	21.4
25-29	19.3	16.2	16.7
30-34	13.1	14.0	15.4
35-39	8.7	10.6	10.5
40-44	7.3	7.6	8.0
45-49	4.6	5.7	6.2
50 dan ke atas (<i>50 and above</i>)	7.3	8.5	8.5

Nota penjelasan:

Explanatory notes:

Sila rujuk nota di Jadual 6

Please see note in Table 6

8 PERATUSAN CAPAIAN KOMPUTER ISI RUMAH MENGIKUT NEGERI
PERCENTAGE OF COMPUTER ACCESS BY HOUSEHOLD BY STATE

Negeri <i>State</i>	2015	2017
	[%]	
Johor	68.7	72.7
Kedah	51.1	60.3
Kelantan	50.3	60.0
Melaka	71.9	70.5
Negeri Sembilan	57.1	63.1
Pahang	59.4	59.9
Perak	57.8	69.1
Perlis	69.2	69.6
Pulau Pinang	71.4	81.4
Sabah	60.1	61.6
Sarawak	61.4	68.6
Selangor	82.5	89.0
Terengganu	62.6	83.0
WP Kuala Lumpur	80.9	84.6
WP Labuan	83.5	69.6
WP Putrajaya	98.8	96.3
Malaysia	67.6	74.1

Sumber / Source:

Laporan Penyiasatan Penggunaan dan Capaian ICT oleh Individu dan Isi Rumah, DOSM
ICT Use and Access by Individuals and Households Survey Report, DOSM

9 LANGGANAN JALUR LEBAR TETAP BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN

FIXED-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES

Tahun <i>Year</i>	Singapura <i>Singapore</i>	Thailand	Viet Nam	Malaysia ^a	Brunei Darussalam
2014	<u>27.1</u>	<u>8.0</u>	6.5	10.1	<u>7.3</u>
2015	<u>26.8</u>	<u>9.1</u>	8.2	<u>10.0</u>	<u>8.2</u>
2016	26.0	10.5	9.6	8.8	8.5

Tahun <i>Year</i>	Filipina <i>Philippines</i>	Indonesia	Kemboja <i>Cambodia</i>	Lao P.D.R.	Myanmar
2014	2.9	<u>1.3</u>	0.4	0.2	...
2015	4.8	<u>1.5</u>	0.5	<u>0.6</u>	0.1
2016	5.5	2.0	0.6	0.4	0.2

Sumber / Source: MCMC, ITU

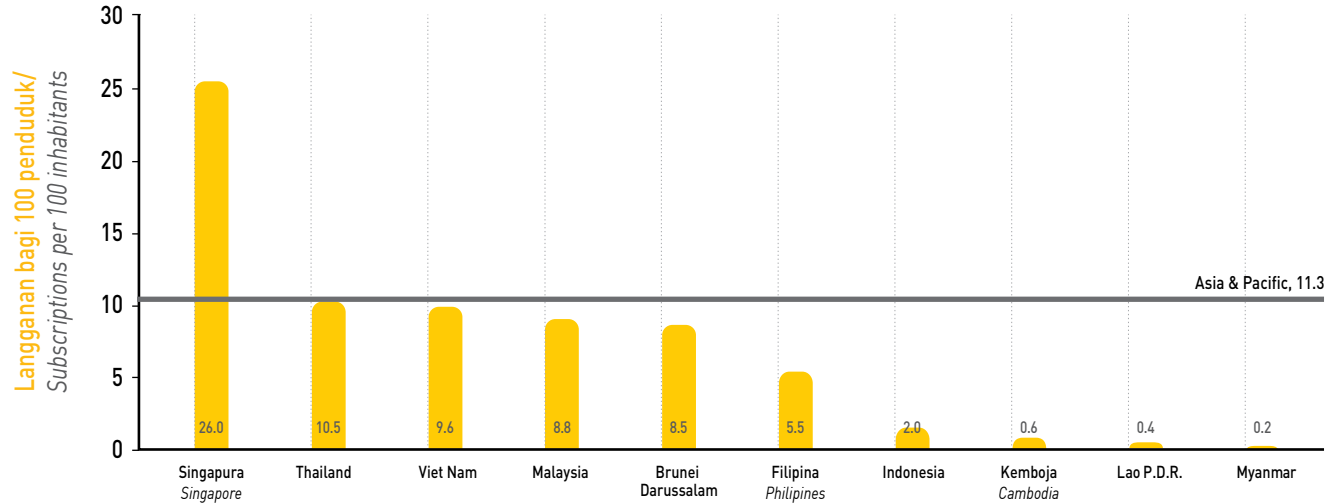
Nota penjelasan:

Explanatory notes:

Jalur lebar tetap merujuk kepada akses langganan jalur lebar tetap berkelajuan tinggi dengan kelajuan muat turun sama atau lebih daripada 256 kbit/s
Fixed-broadband refers to fixed subscriptions for high-speed access at downstream speeds equal to or higher than 256 kbit/s

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan semakan semula oleh MCMC dan perbezaan bilangan penduduk yang digunakan
Figure may differ from ITU calculation due to the revision made by MCMC and difference in the number of population used

LANGGANAN JALUR LEBAR TETAP BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN, 2016
FIXED-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES, 2016



10 LANGGANAN JALUR LEBAR TETAP BAGI 10 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA

FIXED-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA

Tahun Year	Korea Selatan South Korea	Hong Kong SAR	Amerika Syarikat USA	Jepun Japan	Singapura Singapore	Taiwan
2014	<u>38.1</u>	<u>31.7</u>	<u>30.8</u>	<u>29.5</u>	<u>27.1</u>	<u>31.8</u>
2015	<u>39.6</u>	<u>32.4</u>	<u>31.9</u>	<u>30.4</u>	<u>26.8</u>	<u>24.1</u>
2016	40.5	36.0	33.0	31.2	26.0	24.1

Tahun Year	China	Thailand	Malaysia ^a	Indonesia	India
2014	14.4	<u>8.0</u>	10.1	<u>1.3</u>	1.2
2015	19.8	<u>9.1</u>	<u>10.0</u>	<u>1.5</u>	1.3
2016	23.0	10.5	8.8	2.0	1.4

Sumber / Source: MCMC, ITU

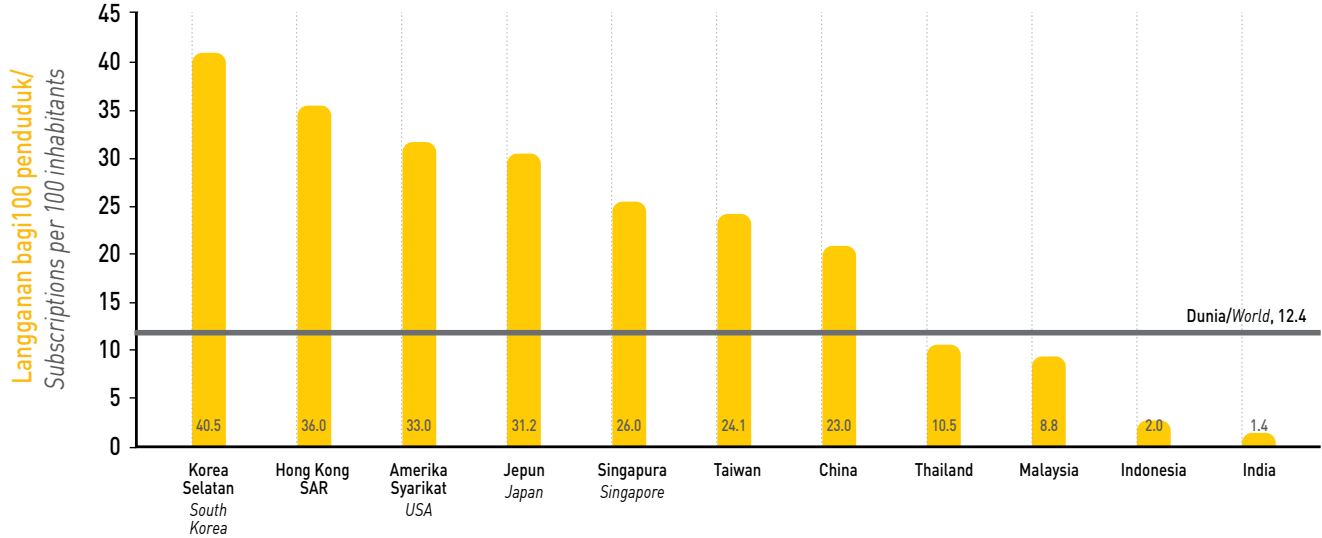
Nota penjelasan:

Explanatory notes:

Jalur lebar tetap merujuk kepada akses langganan jalur lebar tetap berkelajuan tinggi dengan kelajuan muat turun sama atau lebih daripada 256 kbit/s
Fixed-broadband refers to fixed subscriptions for high-speed access at downstream speeds equal to or higher than 256 kbit/s

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan semakan semula oleh MCMC dan perbezaan bilangan penduduk yang digunakan
Figure may differ from ITU calculation due to the revision made by MCMC and difference in the number of population used

LANGGANAN JALUR LEBAR TETAP BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA, 2016
FIXED-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA, 2016



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11 BILANGAN LANGGANAN SELULAR MUDAH ALIH DAN KADAR PENEMBUSAN

NUMBER OF MOBILE-CELLULAR SUBSCRIPTIONS AND PENETRATION RATE

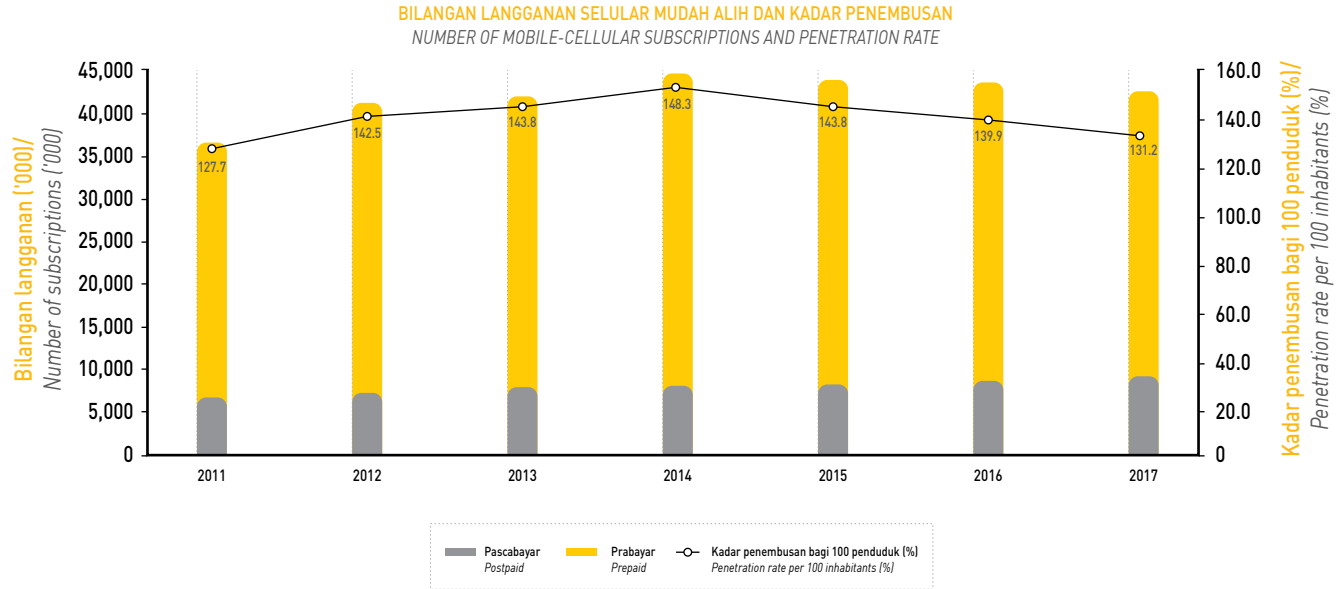
Tahun Year	Suku Quarter	Pascabayar <i>Postpaid</i>	Prabayar <i>Prepaid</i>	Jumlah <i>Total</i>	Kadar penembusan bagi 100 penduduk (%) <i>Penetration rate per 100 inhabitants (%)</i>
		['000]			
2016	4	<u>9,191</u>	34,273	<u>43,465</u>	<u>139.9</u>
2017	1	9,386	33,393	42,779	133.9
	2	9,811	33,042	42,853	133.7
	3	10,009	32,353	42,363	131.8
	4	10,231	32,107	42,339	131.2

Nota penjelasan:

Explanatory notes:

Sila rujuk nota (b) di Jadual 2

Please see note (b) in Table 2



12 KADAR PENEMBUSAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK MENGIKUT NEGERI (%)

MOBILE-CELLULAR PENETRATION RATE PER 100 INHABITANTS BY STATE (%)

Negeri State	2016	2017
Johor	<u>143.3</u>	137.2
Kedah	<u>120.1</u>	101.6
Kelantan	<u>119.6</u>	121.5
Melaka	<u>137.6</u>	151.3
Negeri Sembilan	<u>150.6</u>	150.1
Pahang	<u>127.0</u>	109.0
Perak	<u>124.1</u>	133.4
Perlis	<u>126.2</u>	171.7
Pulau Pinang	<u>146.6</u>	127.9
Sabah	<u>116.9</u>	112.4
Sarawak	<u>132.0</u>	124.2
Selangor	<u>164.7</u>	138.2
Terengganu	<u>132.7</u>	133.1
WP Kuala Lumpur	<u>206.0</u>	185.7
WP Labuan	<u>122.6</u>	99.8
WP Putrajaya	<u>150.2</u>	112.4

Nota penjelasan:

Explanatory notes:

Jadual 12 dan 14 adalah daripada Kajian Pengguna Telefon Bimbit yang dijalankan oleh MCMC pada setiap tahun

Table 12 and 14 are from the Hand Phone Users Survey conducted by the MCMC annually

13 KEMUDAHALIHAN NOMBOR
 MOBILE NUMBER PORTABILITY

Tahun Year	Suku Quarter	Permintaan pengalihan nombor Number of porting request	Pengalihan nombor yang berjaya Successful porting
		('000)	
2016	4	881.5	448.6
2017	1	867.7	431.3
	2	801.3	409.3
	3	875.7	430.2
	4	892.9	420.0

14 PERATUS PENGGUNA TELEFON BIMBIT MENGIKUT JANTINA

PERCENTAGE OF HAND PHONE USERS BY GENDER

Tahun Year	Lelaki Male	Perempuan Female
		(%)
2015	56.9	43.1
2016	<u>56.9</u>	<u>43.1</u>
2017	58.9	41.1

Nota penjelasan:

Explanatory notes:

Sila rujuk nota di Jadual 12

Please see note in Table 12

15 BILANGAN KHIDMAT PESANAN RINGKAS (SMS)

NUMBER OF SHORT MESSAGE SERVICES

Tahun Year	Suku Quarter	Jumlah ^a <i>Total</i>	Purata SMS bagi setiap langganan ^b <i>Average SMSes per each subscriptions</i>
		(juta/million)	
2016	4	3,035.6	69.1
2017	1	2,588.7	60.5
	2	2,335.8	54.5
	3	1,839.1	42.9
	4	1,750.9	41.3

Nota penjelasan:

Explanatory notes:

- Angka menunjukkan bilangan SMS dihantar dalam tempoh rujukan
Figure refers to the number of SMSes sent within the referral period
- Purata SMS dihantar bagi setiap langganan dalam tempoh rujukan
Average SMSes sent for each subscriptions within the referral period

16 LANGGANAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN

MOBILE-CELLULAR SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES

Tahun Year	Thailand	Singapura Singapore	Indonesia	Malaysia ^a	Viet Nam
2014	<u>141.9</u>	<u>148.7</u>	<u>127.6</u>	148.3	147.1
2015	<u>149.9</u>	<u>148.7</u>	<u>131.3</u>	143.8	<u>128.6</u>
2016	173.8	150.5	147.7	<u>139.9</u>	127.5

Tahun Year	Kemboja Cambodia	Brunei Darussalam	Filipina Philippines	Myanmar	Lao P.D.R.
2014	<u>133.9</u>	<u>109.8</u>	111.2	55.9	<u>70.2</u>
2015	<u>134.4</u>	<u>111.0</u>	115.8	78.2	<u>55.9</u>
2016	126.3	123.7	109.4	95.7	58.6

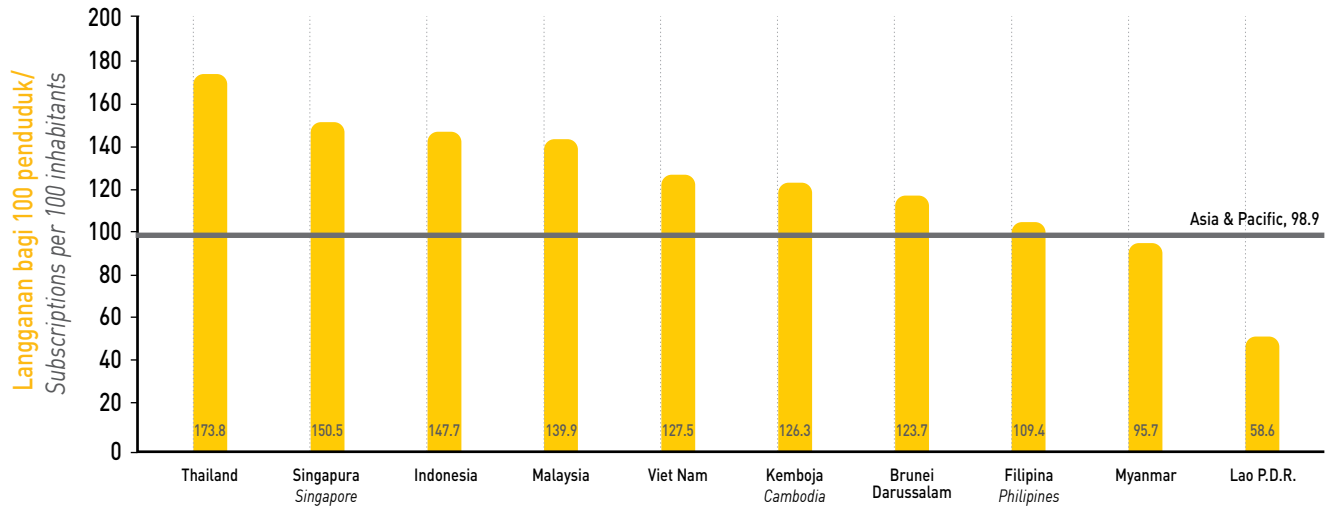
Sumber / Source: MCMC, ITU

Nota penjelasan:

Explanatory notes:

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh perbezaan bilangan penduduk yang digunakan
Figure may differ from ITU calculation due to the difference in the number of population used

LANGGANAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN, 2016
MOBILE-CELLULAR SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES, 2016



17 LANGGANAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA

MOBILE-CELLULAR SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA

Tahun Year	Hong Kong SAR	Thailand	Singapura Singapore	Indonesia	Malaysia ^a	Jepun Japan
2014	<u>235.7</u>	<u>141.9</u>	<u>148.7</u>	<u>127.6</u>	148.3	<u>123.2</u>
2015	<u>230.8</u>	<u>149.9</u>	<u>148.7</u>	<u>131.3</u>	143.8	<u>125.5</u>
2016	240.8	173.8	150.5	147.7	<u>139.9</u>	130.6

Tahun Year	Taiwan	Amerika Syarikat USA	Korea Selatan South Korea	China	India
2014	<u>129.7</u>	<u>111.9</u>	<u>113.7</u>	<u>92.5</u>	<u>73.0</u>
2015	<u>126.4</u>	<u>119.5</u>	<u>116.5</u>	<u>92.5</u>	<u>76.5</u>
2016	124.1	122.9	120.7	97.3	85.2

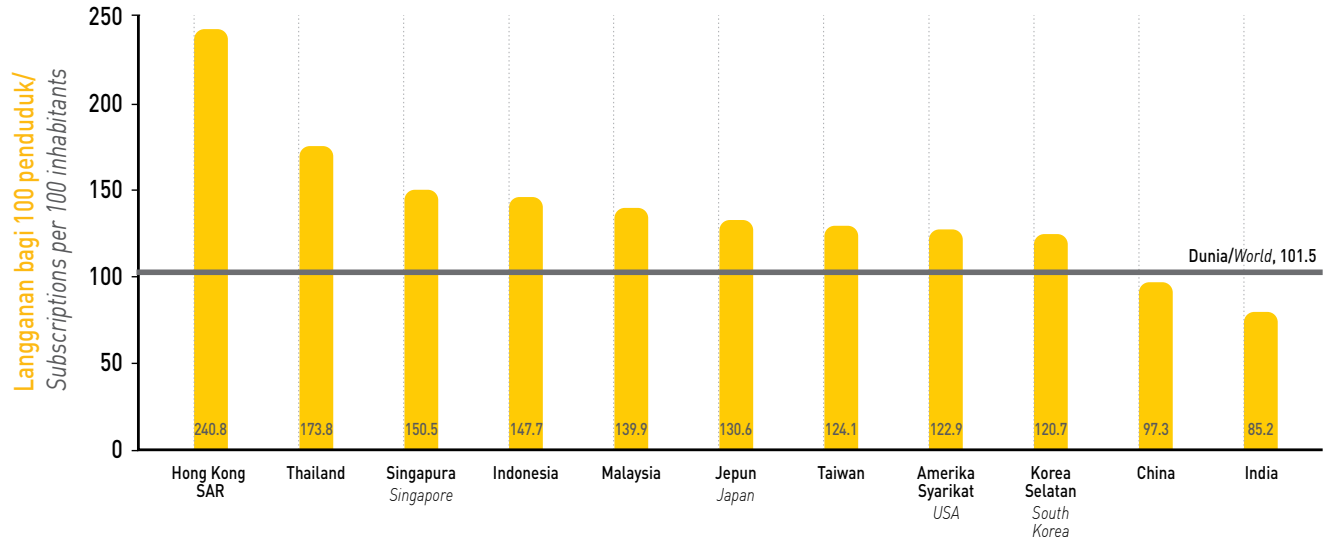
Sumber / Source: MCMC, ITU

Nota penjelasan:

Explanatory notes:

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh perbezaan bilangan penduduk yang digunakan
Figure may differ from ITU calculation due to the difference in the number of population used

LANGGANAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA, 2016
MOBILE-CELLULAR SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA, 2016



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TELEFON TETAP *FIXED-TELEPHONES*



18 BILANGAN LANGGANAN TELEFON TETAP DAN KADAR PENEMBUSAN

NUMBER OF FIXED-TELEPHONE SUBSCRIPTIONS AND PENETRATION RATE

Tahun Year	Suku Quarter	Jumlah langganan ^a Total subscriptions	Kadar penembusan bagi 100 penduduk Penetration rate per 100 inhabitants
		('000)	(%)
2016	4	<u>4,837.2</u>	<u>15.6</u>
2017	1	4,831.2	15.1
	2	6,650.2	20.7
	3	6,559.4	20.4
	4	6,578.2	20.4

Nota penjelasan:

Explanatory notes:

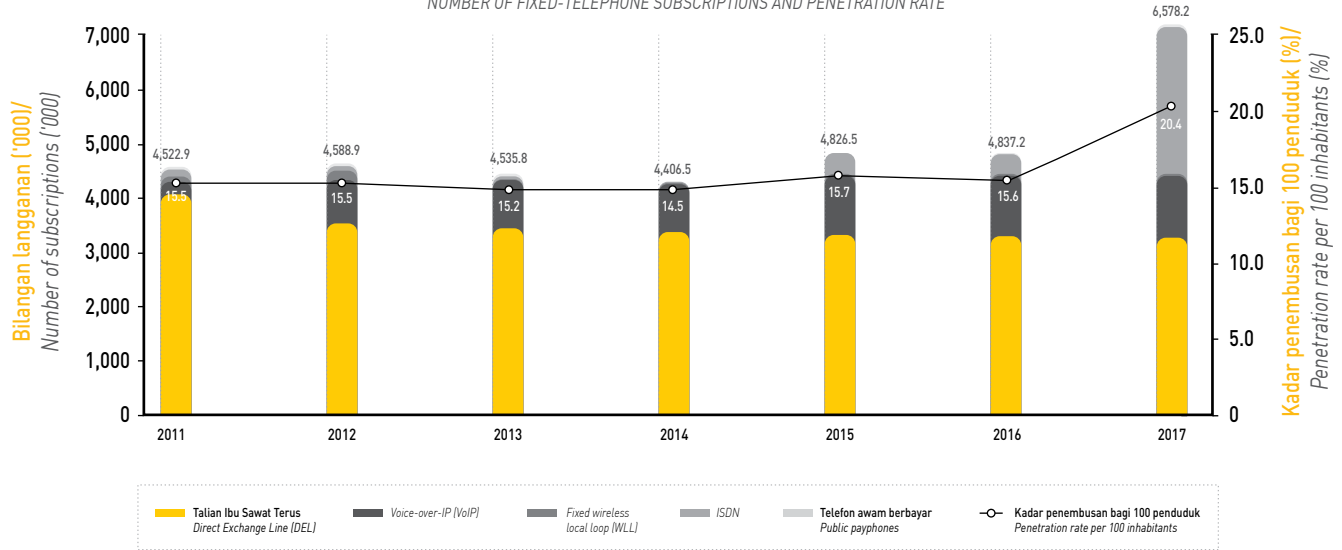
Kadar penembusan telefon tetap dikira sebagai jumlah langganan dan dibahagi jumlah penduduk dan didarabkan dengan 100

The fixed-telephone penetration rate refers to the total subscriptions divided by the total population and multiplied by 100

a. Termasuk Talian Ibu Sawat Terus, VoIP, Fixed wireless local loop (WLL), ISDN dan telefon berbayar awam

Includes Direct Exchange Line (DEL), VoIP, Fixed wireless local loop (WLL), ISDN and public payphones

BILANGAN LANGGANAN TELEFON TETAP DAN KADAR PENEMBUSAN
 NUMBER OF FIXED-TELEPHONE SUBSCRIPTIONS AND PENETRATION RATE



19 BILANGAN LANGGANAN TALIAN IBU SAWAT TERUS DAN KADAR PENEMBUSAN

NUMBER OF DIRECT EXCHANGE LINE (DEL) SUBSCRIPTIONS AND PENETRATION RATE

Tahun Year	Suku Quarter	Isi rumah Households		Bukan isi rumah Non households	Jumlah langganan Total subscriptions	Kadar penembusan bagi 100 penduduk Penetration rate per 100 inhabitants
		Bilangan langganan Number of subscriptions	Kadar penembusan bagi 100 isi rumah Penetration rate per 100 households	Bilangan langganan Number of subscriptions		
		('000)	(%)	('000)	('000)	(%)
2016	4	1,982	26.1	1,318	3,300	10.6
2017	1	1,949	25.0	1,305	3,254	10.2
	2	1,911	24.4	1,292	3,203	10.0
	3	1,824	23.3	1,216	3,040	9.5
	4	1,758	22.3	1,198	2,956	9.2

Nota penjelasan:

Explanatory notes:

Sambungan Talian Ibu Sawat Terus merujuk kepada talian tetap yang menyambungkan peralatan pelanggan terus ke ibu sawat

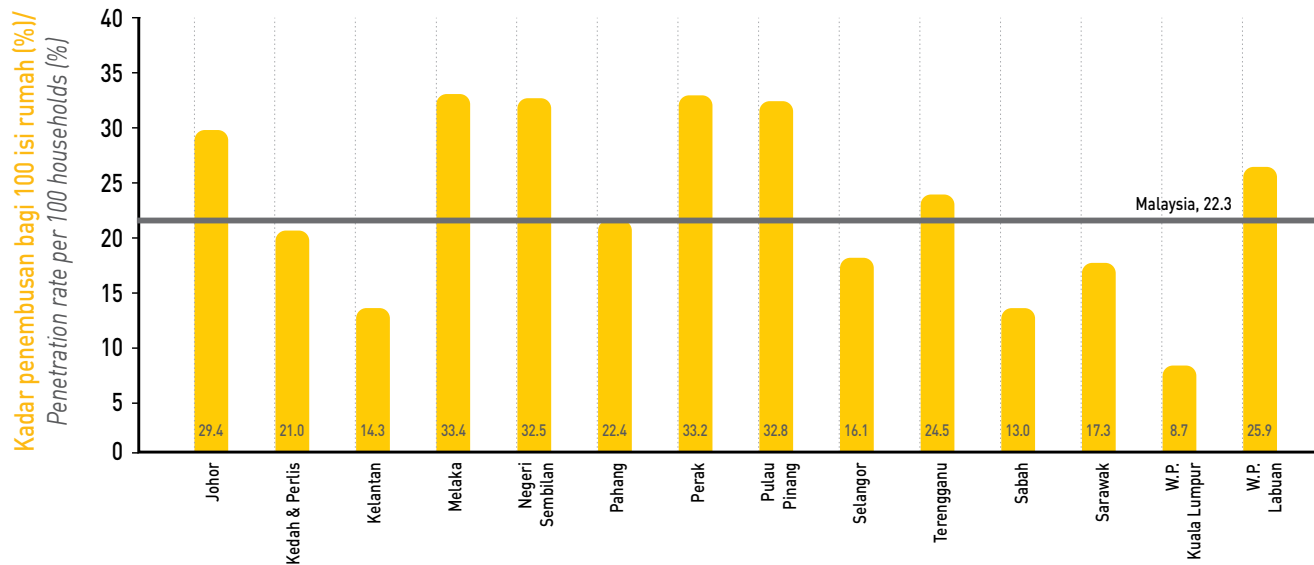
Direct Exchange Line (DEL) connects a customer's equipment to the Public Switched Telephone Network (PSTN) and has a dedicated port on a telephone exchange

20 KADAR PENEMBUSAN TALIAN IBU SAWAT TERUS BAGI 100 ISI RUMAH MENGIKUT NEGERI (%)

DIRECT EXCHANGE LINE (DEL) PENETRATION RATE PER 100 HOUSEHOLDS BY STATE (%)

Tahun/Year	2016	2017			
Suku/Quarter	4	1	2	3	4
Negeri/State					
Johor	33.4	32.0	31.4	30.5	29.4
Kedah & Perlis	23.8	23.1	22.6	21.8	21.0
Kelantan	15.8	15.1	14.9	14.6	14.3
Melaka	38.5	36.7	35.9	34.6	33.4
Negeri Sembilan	36.0	35.5	34.7	33.6	32.5
Pahang	23.9	24.2	23.7	23.0	22.4
Perak	36.8	36.4	35.6	34.4	33.2
Pulau Pinang	38.8	36.6	35.6	34.3	32.8
Selangor	20.8	18.8	18.3	16.9	16.1
Terengganu	27.4	26.5	25.9	25.2	24.5
Sabah	16.0	14.7	14.4	13.7	13.0
Sarawak	21.3	20.1	19.6	18.5	17.3
WP Kuala Lumpur	11.8	11.0	10.8	9.1	8.7
WP Labuan	31.2	30.4	29.5	27.8	25.9
Malaysia	26.1	25.0	24.4	23.3	22.3

KADAR PENEMBUSAN TALIAN IBU SAWAT TERUS BAGI 100 ISI RUMAH MENGIKUT NEGERI, 2017
 DIRECT EXCHANGE LINE (DEL) PENETRATION RATE PER 100 HOUSEHOLDS BY STATE, 2017



21 LANGGANAN TELEFON TETAP BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN
FIXED-TELEPHONE SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES

Tahun Year	Singapura Singapore	Lao P.D.R.	Brunei Darussalam	Malaysia ^a	Thailand
2014	<u>36.6</u>	<u>14.0</u>	<u>17.4</u>	14.6	<u>8.3</u>
2015	<u>36.4</u>	<u>14.4</u>	<u>18.2</u>	<u>15.7</u>	<u>7.7</u>
2016	35.5	18.7	17.5	15.6	6.8

Tahun Year	Viet Nam	Indonesia	Filipina Philippines	Kemboja Cambodia	Myanmar
2014	<u>7.3</u>	<u>10.3</u>	3.1	<u>2.4</u>	1.0
2015	<u>7.8</u>	<u>4.0</u>	3.2	<u>1.7</u>	1.0
2016	5.9	4.1	3.7	1.4	1.0

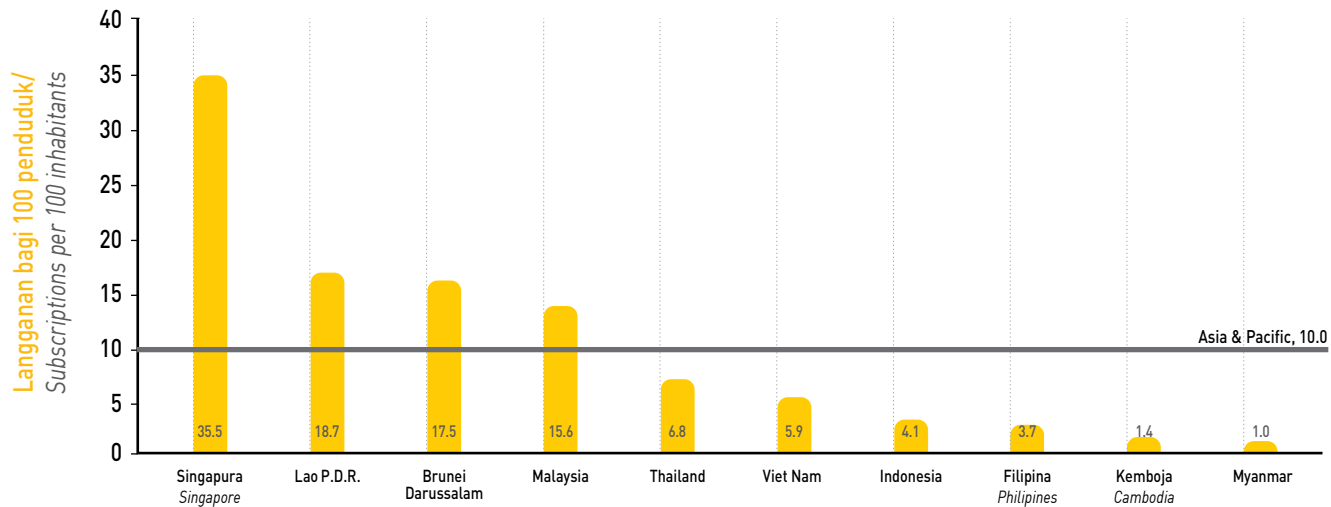
Sumber / Source: MCMC, ITU

Nota penjelasan:

Explanatory notes:

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh semakan semula oleh MCMC dan perbezaan bilangan penduduk yang digunakan
Figure may differ from ITU calculation due to the revision made by MCMC and difference in the number of population used

LANGGANAN TELEFON TETAP BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN, 2016
FIXED-TELEPHONE SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES, 2016



22 LANGGANAN TELEFON TETAP BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA
 FIXED-TELEPHONE SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA

Tahun Year	Hong Kong SAR	Taiwan	Korea Selatan South Korea	Jepun Japan	Amerika Syarikat USA	Singapura Singapore
2014	<u>61.4</u>	<u>60.0</u>	<u>58.5</u>	<u>49.6</u>	<u>40.4</u>	<u>36.6</u>
2015	<u>59.8</u>	<u>59.3</u>	<u>57.1</u>	<u>49.8</u>	<u>39.0</u>	<u>36.4</u>
2016	59.1	58.5	55.2	50.2	37.7	35.5

Tahun Year	Malaysia ^a	China	Thailand	Indonesia	India
2014	14.6	17.9	<u>8.3</u>	<u>10.3</u>	2.1
2015	<u>15.7</u>	16.5	<u>7.7</u>	<u>4.0</u>	<u>1.9</u>
2016	15.6	14.7	6.8	4.1	1.8

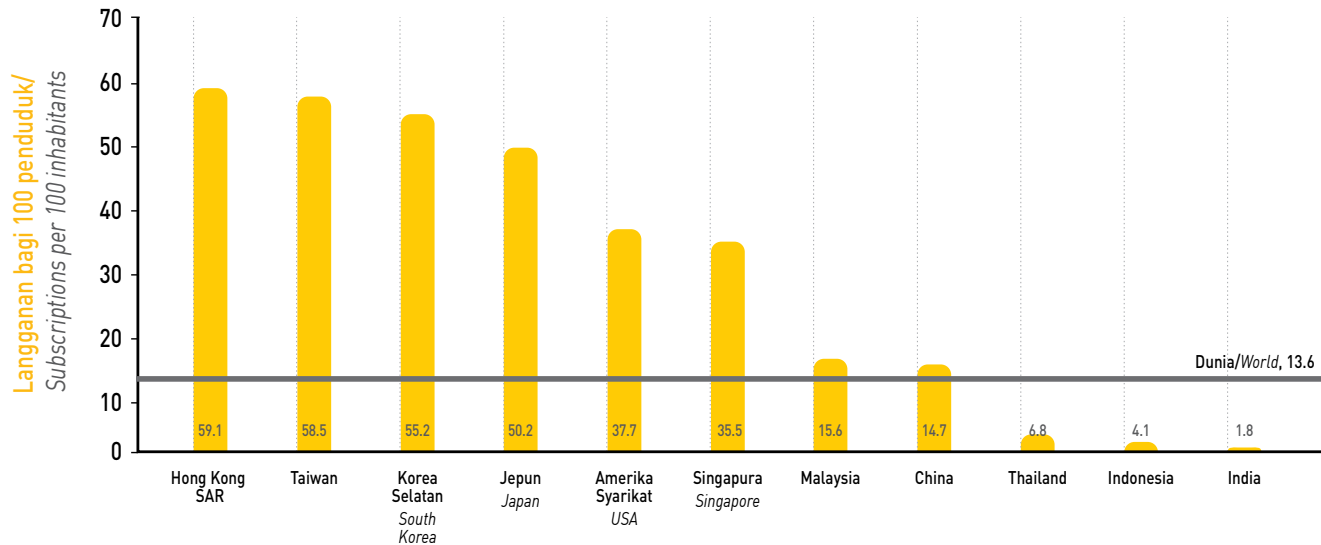
Sumber / Source: MCMC, ITU

Nota penjelasan:

Explanatory notes:

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh semakan semula oleh MCMC dan perbezaan bilangan penduduk yang digunakan
 Figure may differ from ITU calculation due to the revision made by MCMC and difference in the number of population used

LANGGANAN TELEFON TETAP BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA, 2016
 FIXED-TELEPHONE SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA, 2016



TV DAN RADIO

TV AND RADIO



23 BILANGAN LANGGANAN TV BERBAYAR DAN KADAR PENEMBUSAN

NUMBER OF PAY TV SUBSCRIPTIONS AND PENETRATION RATE

Tahun Year	Suku Quarter	Bilangan langganan Number of subscriptions			Kadar penembusan bagi 100 isi rumah Penetration rate per 100 households
		Isi rumah Household	Bukan isi rumah Non household	Jumlah Total	
		('000)			(%)
2016	4	6,005	202	6,207	79.0
2017	1	6,105	209	6,314	78.4
	2	6,178	213	6,391	79.0
	3	6,325	222	6,547	80.7
	4	6,542	231	6,774	83.2

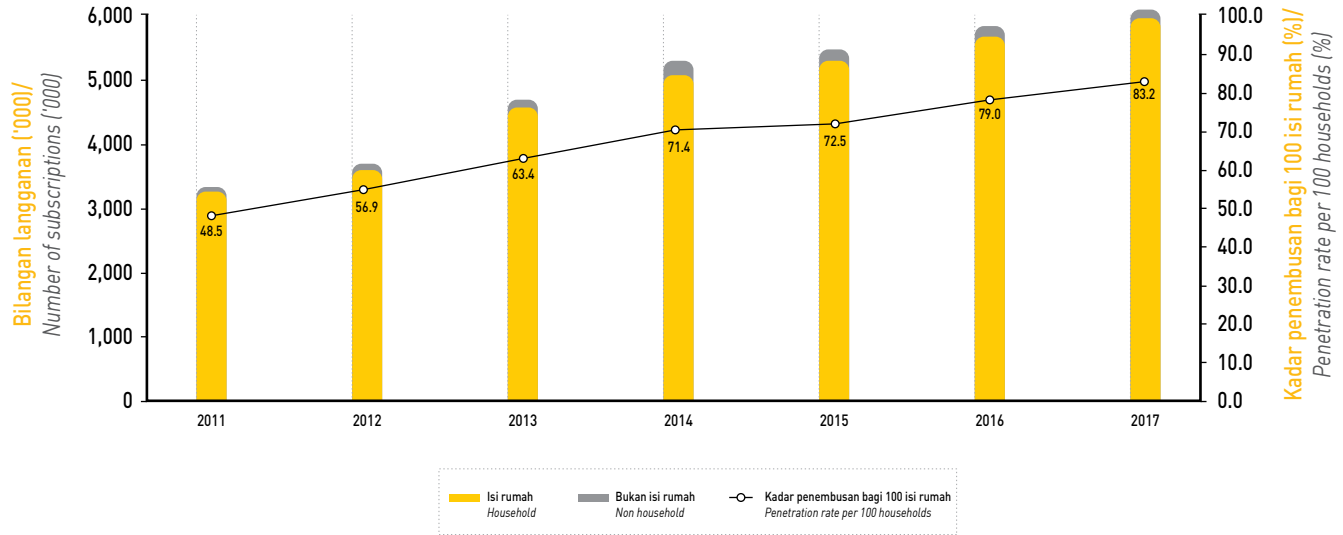
Nota penjelasan:

Explanatory notes:

Televisyen berbayar termasuk IPTV

Pay TV is inclusive of IPTV

BILANGAN LANGGANAN TV BERBAYAR DAN KADAR PENEMBUSAN
NUMBER OF PAY TV SUBSCRIPTIONS AND PENETRATION RATE



24 PERATURAN CAPAIAN TELEVISYEN ISI RUMAH MENGIKUT NEGERI

PERCENTAGE OF TELEVISION ACCESS BY HOUSEHOLD BY STATE

Negeri State	2015	2017
	[%]	
Johor	99.2	99.4
Kedah	98.5	98.9
Kelantan	97.9	98.6
Melaka	98.9	98.6
Negeri Sembilan	99.4	99.0
Pahang	98.4	97.4
Perak	99.0	96.6
Perlis	98.9	99.9
Pulau Pinang	99.0	99.1
Sabah	95.3	96.5
Sarawak	97.2	98.1
Selangor	98.9	98.8
Terengganu	98.0	99.5
WP Kuala Lumpur	99.8	99.4
WP Labuan	97.5	100.0
WP Putrajaya	100.0	99.7
Malaysia	98.4	98.5

Sumber / Source:

Laporan Penyiasatan Penggunaan dan Capaian ICT oleh Individu dan Isi Rumah, DOSM
 ICT Use and Access by Individuals and Households Survey Report, DOSM

25 PERATUSAN CAPAIAN RADIO ISI RUMAH MENGIKUT NEGERI
PERCENTAGE OF RADIO ACCESS BY HOUSEHOLD BY STATE

Negeri State	2015	2017
	[%]	
Johor	91.9	95.9
Kedah	93.6	94.3
Kelantan	90.3	90.3
Melaka	90.6	93.8
Negeri Sembilan	96.4	96.6
Pahang	91.3	92.8
Perak	90.1	90.6
Pertis	94.9	97.2
Pulau Pinang	88.4	99.8
Sabah	81.5	85.0
Sarawak	90.0	97.3
Selangor	95.4	97.7
Terengganu	96.9	98.5
WP Kuala Lumpur	99.0	98.0
WP Labuan	88.1	88.3
WP Putrajaya	100.0	97.5
Malaysia	92.1	94.9

Sumber / Source:

Laporan Penyiataan Penggunaan dan Capaian ICT oleh Individu dan Isi Rumah, DOSM
 ICT Use and Access by Individuals and Households Survey Report, DOSM

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TANDATANGAN DIGITAL

DIGITAL SIGNATURE



26 BILANGAN LESEN PIHAK BERKUASA PEMERAKUAN

NUMBER OF CERTIFICATION AUTHORITIES

Tahun Year	Suku Quarter	Bilangan lesen Number of licenses
2016	4	3
2017	1	3
	2	3
	3	4
	4	4

Nota penjelasan:

Explanatory notes:

Merujuk kepada Pihak Berkuasa Pemerakuan yang dilesenkan di bawah Akta Tandatangan Digital 1997

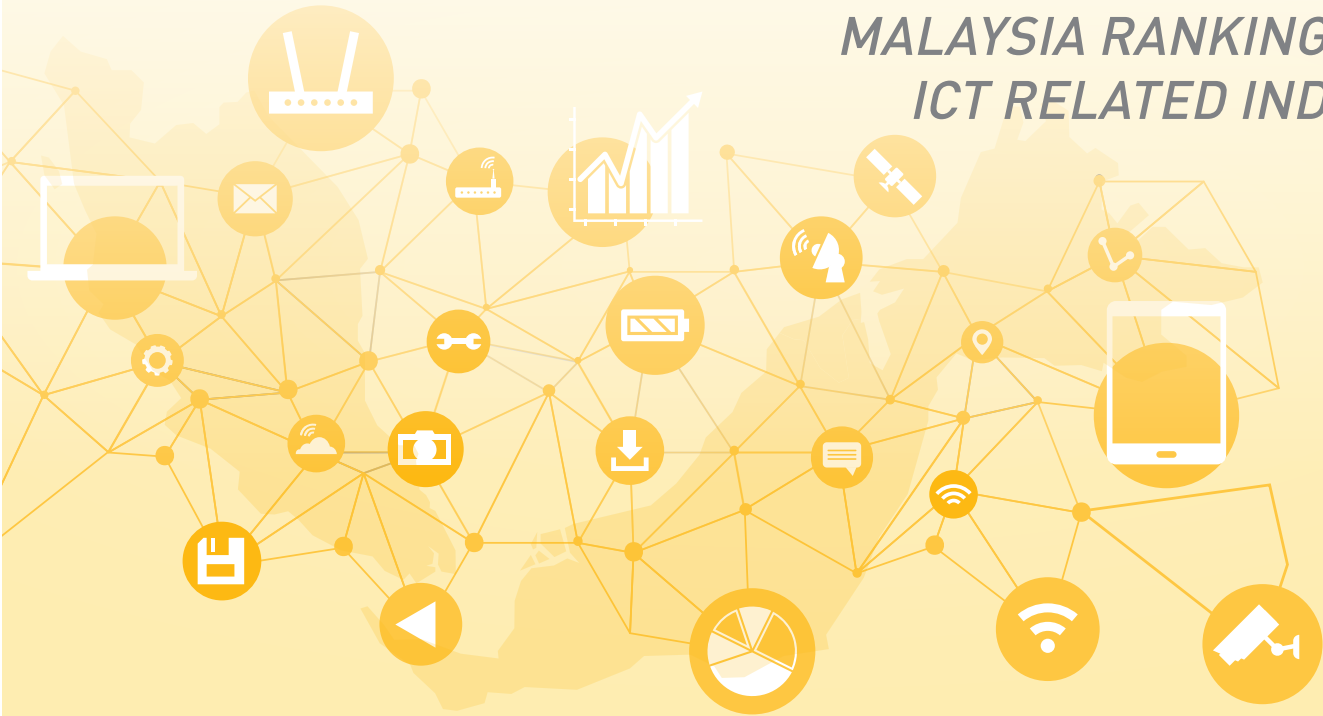
Refers to Certification Authorities licenced under the Digital Signature Act 1997

27 BILANGAN SIJIL YANG DIKELUARKAN MENGIKUT JENIS
NUMBER OF CERTIFICATES ISSUED BY TYPE

Tahun Year	Suku Quarter	Pemegang domestik <i>Domestic holders</i>			Pemegang luar negara <i>Foreign holders</i>	Jumlah Total
		Individu <i>Individual</i>	Organisasi <i>Organisation</i>		Organisasi <i>Organisation</i>	
			Kerajaan <i>Government</i>	Korporat <i>Corporate</i>	Kerajaan & Korporat <i>Government & Corporate</i>	
('000)						
2016	4	10.3	9,284.2	266.6	1.1	9,562.2
2017	1	10.3	9,707.8	287.4	1.1	10,006.6
	2	12.6	10,491.8	292.3	1.1	10,797.8
	3	16.4	10,637.0	297.9	1.1	10,952.4
	4	20.7	10,716.8	304.0	1.1	11,042.7

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KEDUDUKAN MALAYSIA DALAM INDEKS BERKAITAN ICT *MALAYSIA RANKING FOR ICT RELATED INDICES*



28 KEDUDUKAN MALAYSIA DALAM INDEKS BERKAITAN ICT

MALAYSIA RANKING FOR ICT RELATED INDICES

Tahun Year	ICT Development Index (IDI) ^a	E-Government Development Index (EGDI) ^b	Networked Readiness Index (NRI) ^c
2015	66	...	32
2016	<u>62</u>	60	31
2017	63

Nota penjelasan:

Explanatory notes:

- ICT Development Index (IDI):** Indeks ini mengukur tahap kemajuan ICT. Ia juga mengukur jurang digital global dan mengkaji bagaimana jurang ini berkembang pada tahun-tahun kebelakangan ini. Indeks ini diterbitkan oleh ITU
ICT Development Index (IDI): IDI captures the level of advancement of ICTs. It also measures the global digital divide and examines how it has developed in recent years. This index is produced by the ITU
- E-Government Development Index (EGDI):** EGDI menilai pembangunan E-Kerajaan negara-negara anggota Pertubuhan Bangsa-Bangsa Bersatu. Salah satu komponen EGDI adalah *Telecommunication Infrastructure Index (TII)* di mana Malaysia berada di kedudukan ke 70 pada tahun 2016. Indeks ini diterbitkan oleh *UN Public Administration Network* setiap dua tahun
E-Government Development Index (EGDI): The E-Government Development Index presents the state of E-Government Development of the United Nations Member States. One of the component in EGDI is Telecommunication Infrastructure Index (TII), in which Malaysia ranks 70 in 2016. This index is published by the UN Public Administration Network every two years
- Networked Readiness Index (NRI):** NRI mengukur keupayaan negara mengeksplotasi peluang-peluang yang disediakan oleh ICT. Indeks ini telah disusun untuk 139 ekonomi oleh *World Economic Forum*
Networked Readiness Index (NRI): NRI measures the propensity for countries to exploit the opportunities offered by ICT. The index has been compiled for 139 economies by World Economic Forum

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UNTUK STATISTIK-STATISTIK LAIN

FOR MORE STATISTICS

**LAMAN SESAWANG
WEBSITE**

Laman sesawang MCMC mengandungi ekstrak statistik-statistik yang berkaitan industri komunikasi & multimedia dan pos & kurier. Statistik-statistik ini dikemaskini pada setiap suku/setengah tahun

The MCMC website contains extracts of statistics pertaining to the communications & multimedia and postal & courier industries, updated quarterly/half yearly

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**PENERBITAN STATISTIK
YANG LAIN
OTHER STATISTICAL
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1. Perkhidmatan Pos & Kurier: Buku Maklumat Statistik (ISSN: 2231-9913)
Postal & Courier Services: Pocket Book of Statistics (ISSN: 2231-9913)
2. Kajian Pengguna Telefon Bimbit Tahunan (ISSN: 1823-2523)
Yearly Hand Phone User Survey (ISSN: 1823-2523)
3. Kajian Pengguna Internet Tahunan (ISSN: 1823-2523)
Yearly Internet User Survey (ISSN: 1823-2523)
4. Kajian Pengguna Radio 2017 (e-Penerbitan)
Radio User Survey 2017 (e-Publication)

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STATISTICS DEPARTMENT

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Please contact the Statistics Department MCMC if you have any queries regarding the statistics published by MCMC at the following email address:

statistics@cmc.gov.my

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