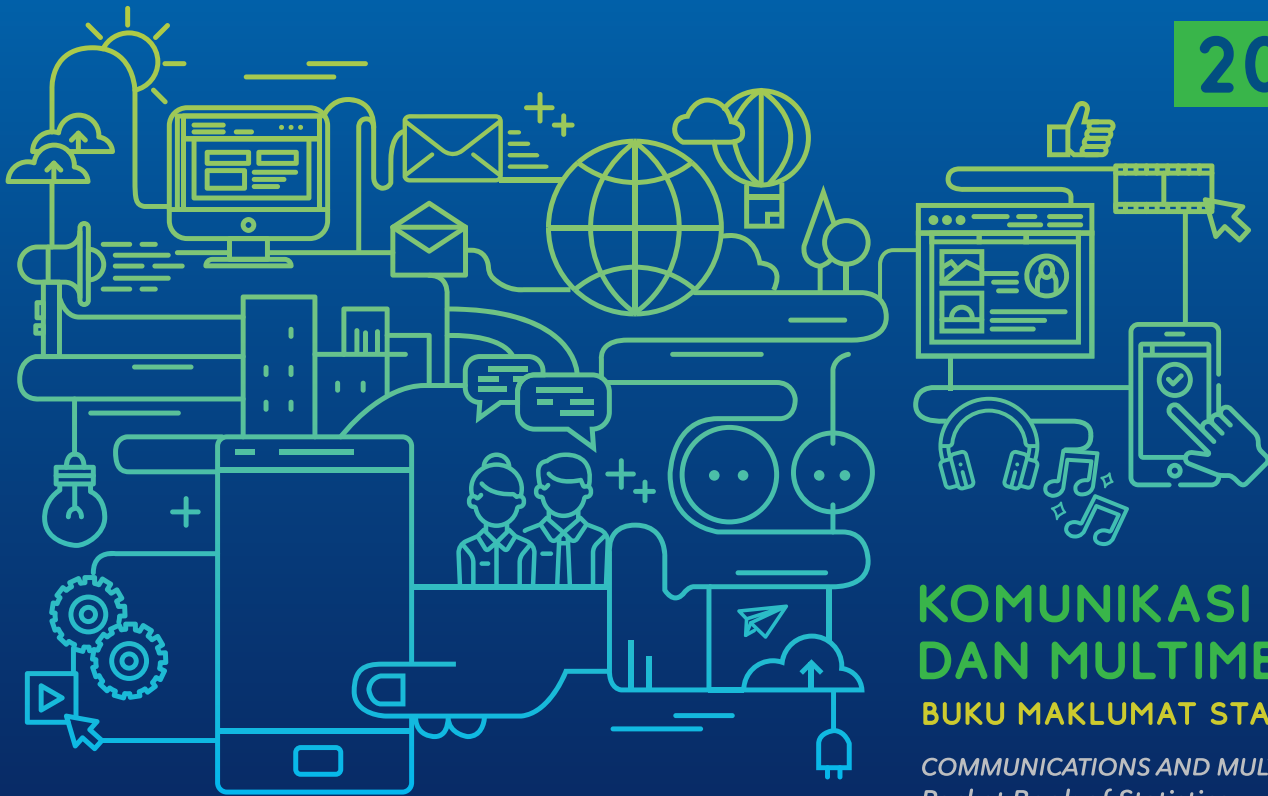


2019



KOMUNIKASI DAN MULTIMEDIA

BUKU MAKLUMAT STATISTIK

COMMUNICATIONS AND MULTIMEDIA
Pocket Book of Statistics



Suruhanjaya Komunikasi dan Multimedia Malaysia
Malaysian Communications and Multimedia Commission

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

Menjadikan Malaysia sebagai pusat dan tumpuan utama dunia bagi perkhidmatan komunikasi dan perkhidmatan maklumat dan kandungan multimedia

Establish Malaysia as a major global centre and hub for communications and multimedia information and content services

Menggalakkan pewujudan masyarakat madani yang dalamnya perkhidmatan berdasarkan maklumat akan menyediakan asas bagi peningkatan berterusan kepada mutu kerja dan hidup

Promote a civil society where information-based services will provide the basis of continuing enhancements to quality of work and life

Mencambahkan dan memupuk sumber maklumat dan perlambangan budaya tempatan yang membantu menengahkan identiti kebangsaan dan kepelbagaian dunia

Grow and nurture local information resources and cultural representation that facilitate the national identity and global diversity

Mengawal selia bagi faedah jangka panjang pengguna akhir

Regulate for the long-term benefit of the end user

Menggalakkan tahap keyakinan pengguna yang tinggi dalam penyampaian perkhidmatan daripada industri itu

Promote a high level of consumer confidence in service delivery from the industry

Memastikan penyediaan perkhidmatan sama rata yang mampu dibayar melalui infrastruktur kebangsaan yang sentiasa ada

Ensure an equitable provision of affordable services over ubiquitous national infrastructure

Mewujudkan suasana aplikasi yang teguh bagi pengguna akhir

Create a robust application environment for end users

Memudahkan pengagihan secara berkesan sumber seperti tenaga buruh mahir, modal, pengetahuan dan aset kebangsaan

Facilitate the efficient allocation of resources such as skilled labour, capital, knowledge and national assets

Menggalakkan pembangunan keupayaan dan kecekapan dalam industri percantuman Malaysia

Promote the development of capabilities and skills within Malaysia's convergence industries

Menjamin keselamatan maklumat dan kebolehpercayaan dan keutuhan rangkaian

Ensure information security and network reliability and integrity

NOTA NOTE

1. 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)
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)
2. Angka-angka awalan dicondongkan
Preliminary figures are italicised
3. Angka-angka yang dipinda digariskan
Revised figures are underlined
4. 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
Figures presented in tables are as at the end of the period. Hence the 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 at the population for that year. If the practices need to be synchronised to the demographic norm, then the penetration rates as at the end June of that year must be used
5. Jumlah campuran mungkin berbeza kerana pembundaran
The added total may differ due to rounding

SIMBOL DAN SINGKATAN SYMBOLS AND ABBREVIATIONS

KKMM

Kementerian Komunikasi
dan Multimedia Malaysia
*Ministry of Communications
and Multimedia Malaysia*

DOSM

Jabatan Perangkaan
Malaysia
*Department of
Statistics, Malaysia*

MCMC

Suruhanjaya Komunikasi
dan Multimedia Malaysia
*Malaysian Communications
and Multimedia Commission*

ICT

Teknologi Maklumat
dan Komunikasi
*Information and
Communications Technology*

ITU

*International
Telecommunication
Union*

W.P.

Wilayah Persekutuan
Federal Territory

-

Tidak ada
Nil

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Data tidak tersedia
Data not available

ISI KANDUNGAN

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TANDATANGAN DIGITAL

Digital Signature

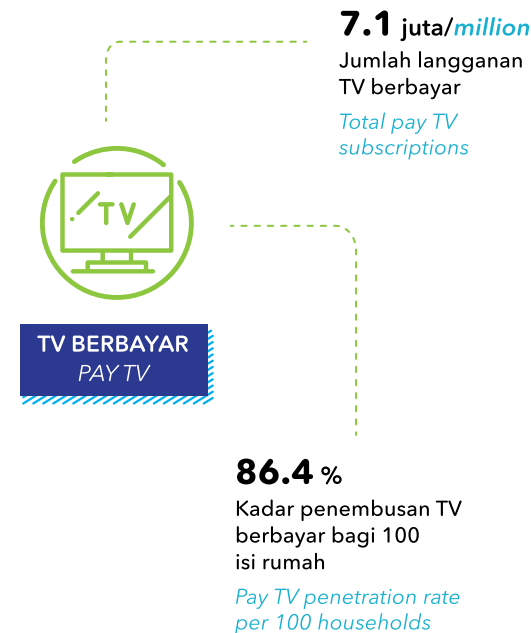
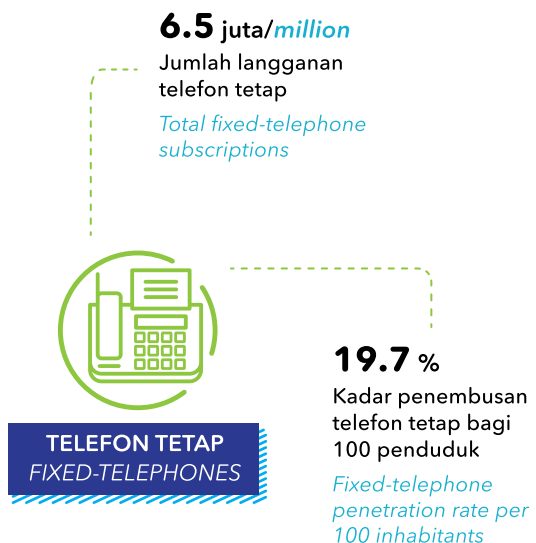
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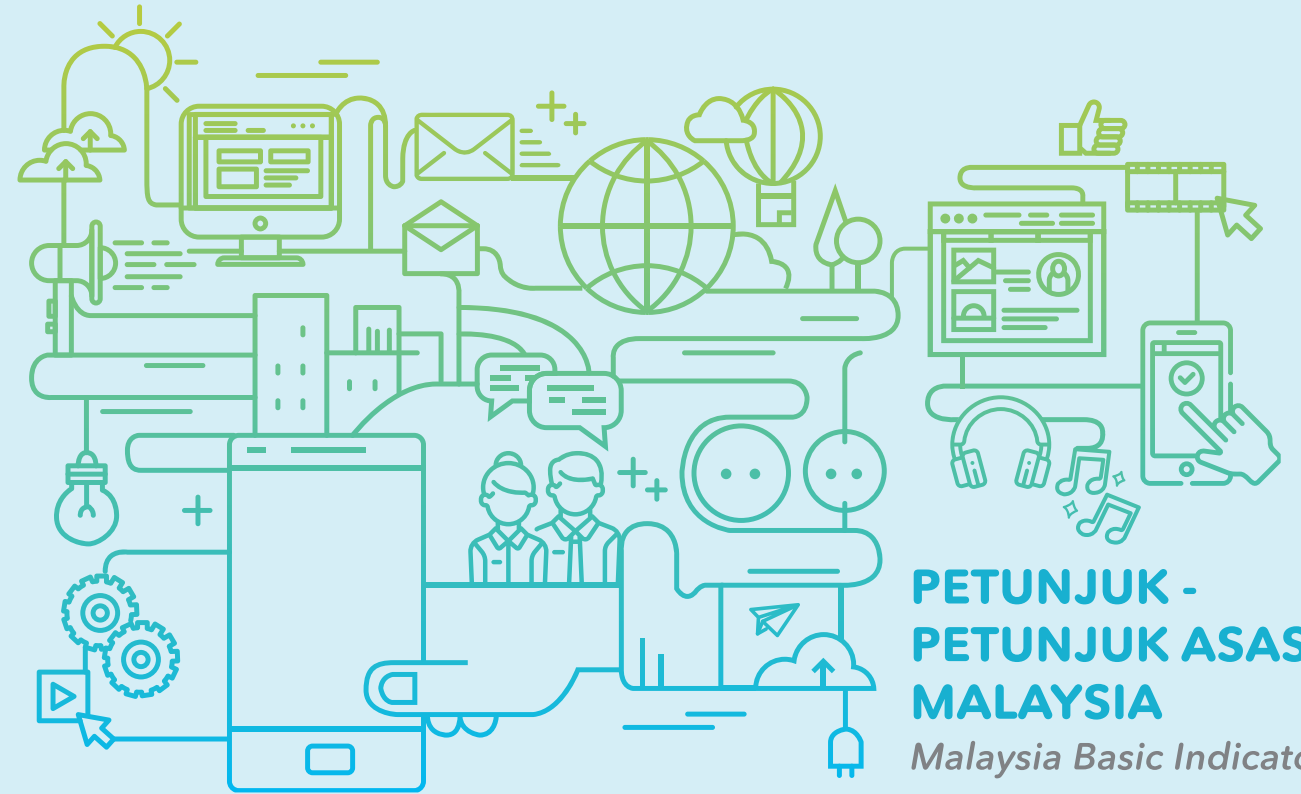
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Malaysia Ranking for ICT Related Indices

SEPINTAS LALU 2019
SNAPSHOT 2019



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**PETUNJUK -
PETUNJUK ASAS
MALAYSIA**
Malaysia Basic Indicators

1. PETUNJUK-PETUNJUK ASAS MALAYSIA MALAYSIA BASIC INDICATORS

Tahun Year	Suku Quarter	Penduduk Population (juta/ million)	Isi rumah Household (‘000)	Keluaran Dalam Negara Kasar (KDNK) Gross Domestic Product (GDP)		Indeks Harga Pengguna (IHP) Consumer Price Index (CPI)
				Harga semasa Current prices (RM bilion/ billion)	Harga malar Constant prices (RM bilion/ billion)	
Nota/ Note		a	b		c	d
2018	4	32.6	8,085	374.6	322.6	120.7
2019	1	32.7	8,165	362.0	341.7	120.8
	2	32.8	8,188	371.0	348.8	121.1
	3	32.8	8,211	381.5	360.1	121.3
	4	32.9	8,234	396.2	369.9	121.5

Sumber/ Source: DOSM, MCMC

Nota penjelasan:

Explanatory notes:

- Unjuran penduduk seperti pada penghujung tempoh berdasarkan Banci 2010
- Bilangan isi rumah diperolehi dengan membahagikan penduduk dengan purata saiz isi rumah

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
- Tahun asas adalah 2015
- Tahun asas adalah 2010

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

- Population projections as at end of period, based on census 2010
- Number of households derived by dividing populations by average household size

A household consists of related and/or unrelated persons who usually live together and make common provisions for food and other essentials of living
- Base year is 2015
- Base year is 2010

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 bagi 100 penduduk <i>Broadband per 100 inhabitants</i>	Selular mudah alih bagi 100 penduduk <i>Mobile-cellular per 100 inhabitants</i>	Talian tetap bagi 100 penduduk <i>Fixed-telephone per 100 inhabitants</i>	TV berbayar bagi 100 isi rumah <i>Pay TV per 100 households</i>
Nota/ Note		a	b	c	d
2018	4	121.1	130.2	19.8	<u>87.3</u>
2019	1	127.1	131.4	19.7	<u>87.3</u>
	2	128.9	132.4	19.6	<u>86.8</u>
	3	129.4	134.2	19.6	<u>85.9</u>
	4	131.7	135.4	19.7	86.4

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 didarabkan dengan 100. Langganan Wi-Fi awam tidak diambilkira

Bermula 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

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

c. Kadar penembusan talian tetap dikira sebagai jumlah langganan dibahagi dengan jumlah penduduk dan didarabkan dengan 100

d. Kadar penembusan TV berbayar bagi 100 isi rumah dikira dengan membahagi jumlah langganan isi rumah dengan jumlah isi rumah dan didarabkan dengan 100

a. *The broadband penetration rate per 100 inhabitants is calculated by dividing the sum of fixed and mobile broadband by total number of population and multiplying by 100. Public Wi-Fi subscriptions are not taken into account*

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

d. *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*

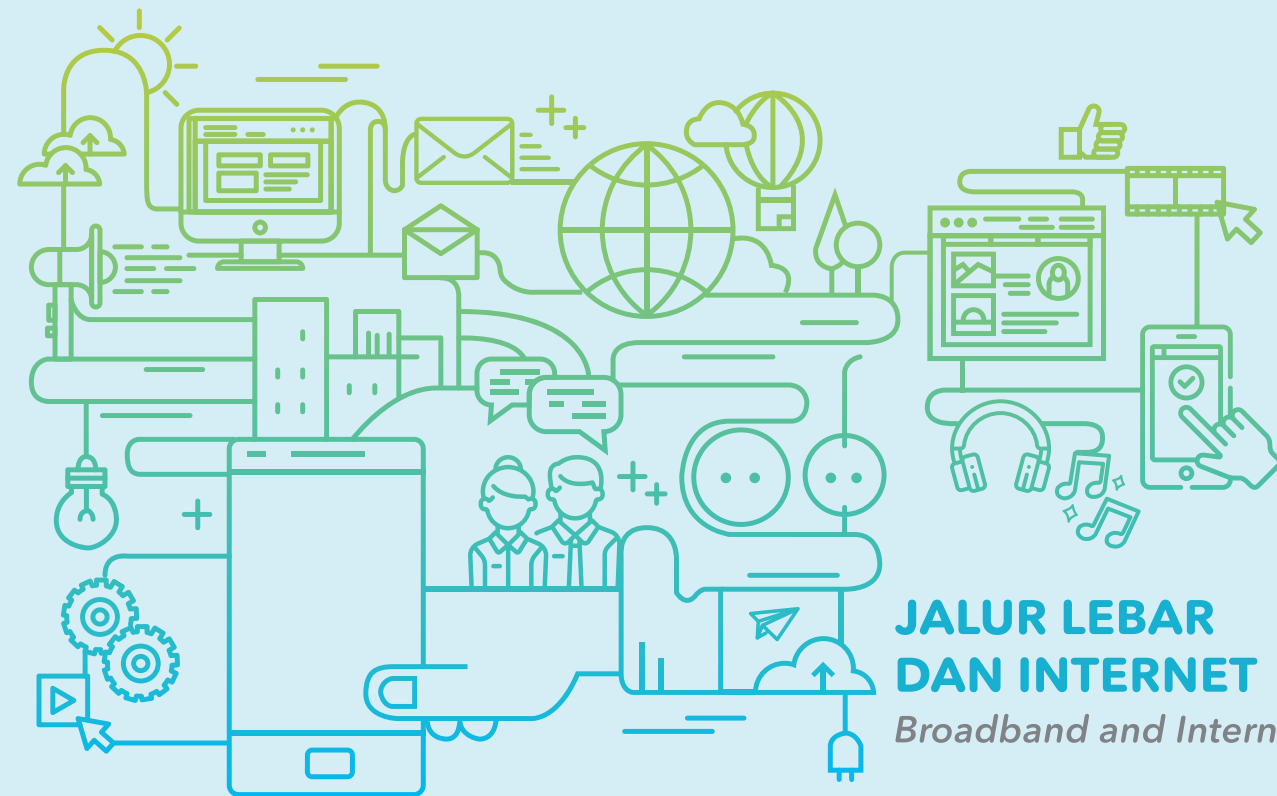
3. BILANGAN LESEN SEHINGGA 31 DISEMBER 2019

NUMBER OF LICENSES UNTIL 31 DECEMBER 2019

	Bilangan lesen No. of licenses		
	Individu/ Individual	Kelas/ Class	Jumlah/ Total
		a	
Penyedia Kemudahan Rangkaian Network Facilities Provider (NFP)	213	7	220
Penyedia Perkhidmatan Rangkaian Network Service Provider (NSP)	176	6	182
Penyedia Perkhidmatan Aplikasi Applications Service Provider (ASP)	-	112	112
Penyedia Perkhidmatan Aplikasi Kandungan Content Applications Service Provider (CASP)	52	1	53
JUMLAH/ TOTAL	441	126	567

Nota penjelasan/ Explanatory notes:

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



**JALUR LEBAR
DAN INTERNET**
Broadband and Internet

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

BROADBAND PENETRATION RATE PER 100 INHABITANTS BY STATE (%)

Tahun/ Year	2018	2019			
Suku/ Quarter	4	1	2	3	4
Negeri/ State					
Johor	139.5	146.9	148.0	148.6	150.1
Kedah	95.6	100.5	102.6	103.3	104.7
Kelantan	87.2	90.9	92.3	93.1	94.8
Melaka	116.4	124.0	126.3	125.8	125.4
Negeri Sembilan	141.0	147.1	144.2	142.6	143.4
Pahang	96.9	102.0	103.6	104.3	105.8
Perak	114.1	121.2	122.5	121.0	123.7
Perlis	102.6	107.7	111.2	111.2	112.8
Pulau Pinang	138.9	148.5	154.2	151.6	153.9
Sabah	76.4	81.3	81.0	82.1	83.8
Sarawak	107.0	112.3	109.6	108.8	112.6
Selangor	131.5	138.5	139.8	141.2	144.5
Terengganu	90.7	92.4	94.5	97.6	99.5
W.P. Kuala Lumpur	240.8	245.6	260.7	265.3	263.4
W.P. Labuan	72.0	71.7	96.7	96.3	113.0
W.P. Putrajaya	90.2	93.0	107.2	98.7	124.7
Malaysia	121.1	127.1	128.9	129.4	131.7

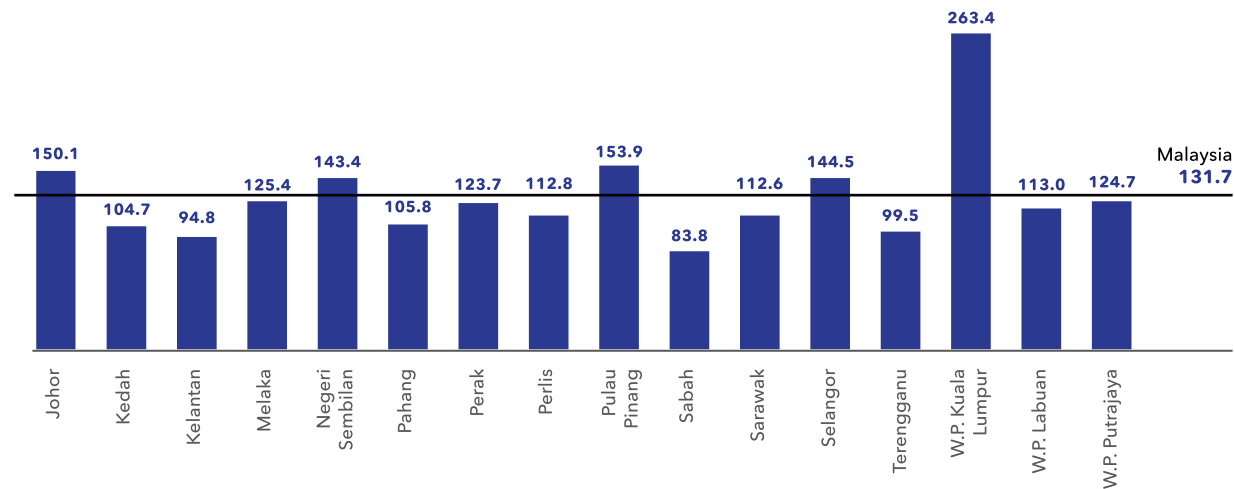
Nota penjelasan/ Explanatory notes:

Sila rujuk nota (a) di
Jadual 2

Please see note (a) in
Table 2

KADAR PENEMBUSAN JALUR LEBAR BAGI 100 PENDUDUK MENGIKUT NEGERI, 2019 (%)

BROADBAND PENETRATION RATE PER 100 INHABITANTS BY STATE, 2019 (%)



5. BILANGAN LANGGANAN JALUR LEBAR

NUMBER OF BROADBAND SUBSCRIPTIONS

Tahun <i>Year</i>	Suku <i>Quarter</i>	Tetap/ <i> Fixed</i> (juta/ <i> million</i>)	Mudah alih/ <i> Mobile</i> (juta/ <i> million</i>)	Jumlah/ <i> Total</i> (juta/ <i> million</i>)	Kadar penembusan bagi 100 penduduk <i>Penetration rate per 100</i> <i>inhabitants</i> (%)
Nota/ <i>Note</i>		a	b		
2018	4	2.66	36.79	39.45	121.1
2019	1	2.66	38.84	41.50	127.1
	2	2.67	39.55	42.22	128.9
	3	2.71	39.80	42.50	129.4
	4	2.95	40.43	43.38	131.7

Nota penjelasan:

Explanatory notes:

Jumlah campuran mungkin berbeza kerana pembundaran

- a. Termasuk ADSL, SDSL, VDSL, Satelit, FTTH, *Fixed wireless*, EV-DO, dan WiMAX tetap

Bermula 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

- b. Termasuk prabayar, pascabayar, *Pay Per Use*, dan WiMAX mudah alih

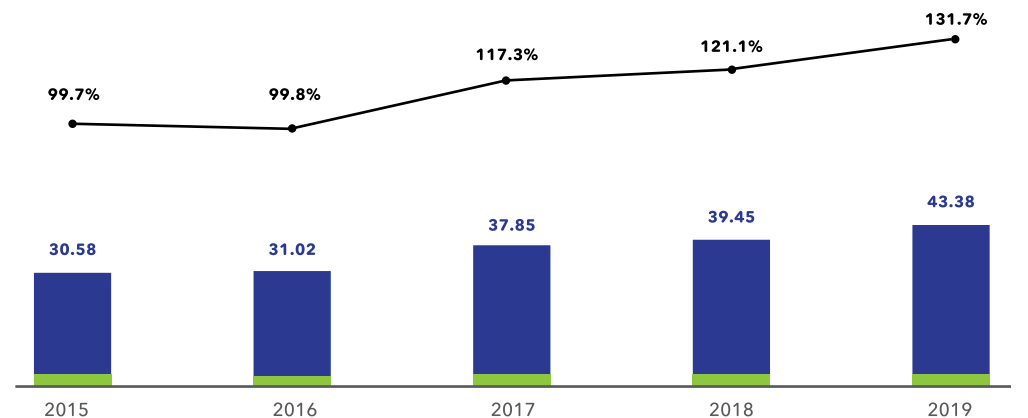
The added total may differ due to rounding

- a. *Includes ADSL, SDSL, VDSL, Satellite, FTTH, Fixed wireless, EV-DO, and fixed WiMAX*

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. *Includes prepaid, postpaid, Pay Per Use, and mobile WiMAX*

BILANGAN LANGGANAN JALUR LEBAR DAN KADAR PENEMBUSAN
NUMBER OF BROADBAND SUBSCRIPTIONS AND PENETRATION RATE



■ **Tetap (juta)** / *Fixed (million)*
 ■ **Mudah Alih (juta)** / *Mobile (million)*
 —●— **Kadar Penembusan Bagi 100 Penduduk (%)** / *Penetration Rate Per 100 Inhabitants (%)*

6. BILANGAN LANGGANAN JALUR LEBAR TETAP MENGIKUT JULAT KELAJUAN
NUMBER OF FIXED-BROADBAND SUBSCRIPTIONS BY SPEED RANGE

Tahun	Suku	<1 Mbit/s	1 Mbit/s - 10 Mbit/s	10 Mbit/s - 30 Mbit/s	30 Mbit/s - 50 Mbit/s	50 Mbit/s - 100 Mbit/s	>100 Mbit/s
<i>Year</i>	<i>Quarter</i>	<i>(juta/ million)</i>	<i>(juta/ million)</i>	<i>(juta/ million)</i>	<i>(juta/ million)</i>	<i>(juta/ million)</i>	<i>(juta/ million)</i>
2018	4	0.04	0.93	0.13	0.33	0.05	1.20
2019	1	0.03	0.87	0.09	0.34	0.09	1.26
	2	0.02	0.83	0.08	0.34	0.10	1.32
	3	0.02	0.79	0.05	0.36	0.05	1.47
	4	0.02	0.77	0.06	0.54	0.06	1.52

Nota penjelasan:

Explanatory notes:

Jumlah campuran mungkin berbeza kerana pembundaran

The added total may differ due to rounding

Setiap julat kelajuan termasuk kelajuan di sempadan bawah; contohnya 1 Mbit/s - 10 Mbit/s bermaksud dari 1 Mbit/s sehingga kurang daripada 10 Mbit/s

Each speed range includes the lower bound speed; i.e. 1 Mbit/s - 10 Mbit/s means 1 Mbit/s to less than 10 Mbit/s

7. BILANGAN LANGGANAN JALUR LEBAR TETAP MENGIKUT TEKNOLOGI

NUMBER OF FIXED-BROADBAND SUBSCRIPTIONS BY TECHNOLOGY

Tahun <i>Year</i>	Suku <i>Quarter</i>	Gentian optik/ <i>Fibre optic</i> (juta/ <i>million</i>)	Kuprum/ <i>Copper</i> (juta/ <i>million</i>)	Lain-lain/ <i>Others</i> (juta/ <i>million</i>)
Nota/ <i>Note</i>		a	b	c
2018	4	1.74	0.91	0.01
2019	1	1.80	0.86	0.01
	2	1.85	0.81	0.01
	3	1.93	0.77	0.01
	4	2.04	0.73	0.18

Nota penjelasan:

Explanatory notes:

Jumlah campuran mungkin berbeza kerana pembundaran

- Termasuk FTTH/B dan VDSL
- Termasuk ADSL dan SDSL
- Termasuk Satelit, *Fixed wireless*, EV-DO dan WiMAX tetap

The added total may differ due to rounding

- Includes FTTH/B and VDSL*
- Includes ADSL and SDSL*
- Includes Satellite, Fixed wireless, EV-DO and Fixed WiMAX*

8. BILANGAN LANGGANAN JALUR LEBAR MUDAH ALIH MENGIKUT TEKNOLOGI

NUMBER OF MOBILE-BROADBAND SUBSCRIPTIONS BY TECHNOLOGY

Tahun <i>Year</i>	Suku <i>Quarter</i>	3G dan ke bawah <i>At most 3G</i> (juta/ <i>million</i>)	4G dan ke bawah <i>At most 4G</i> (juta/ <i>million</i>)	WiMAX (juta/ <i>million</i>)
Nota/ <i>Note</i>			a	b
2018	4	14.72	21.96	0.11
2019	1	12.97	25.77	0.10
	2	9.37	30.09	0.09
	3	8.79	31.00	0.01
	4	8.52	31.92	0.00

Nota penjelasan/*Explanatory notes:*

Jumlah campuran mungkin berbeza kerana pembundaran

The added total may differ due to rounding

9. PERATUSAN PENGGUNA INTERNET MENGIKUT JANTINA

PERCENTAGE OF INTERNET USERS BY GENDER

Tahun/ Year	Lelaki/ Male (%)	Perempuan/ Female (%)
2016	57.4	42.6
2017
2018	59.0	41.0
2019

Nota penjelasan/ Explanatory notes:

Jadual 9 adalah daripada Kajian Pengguna Internet yang dijalankan oleh MCMC
Table 9 is from Internet Users Surveys conducted by the MCMC

10. PERATUSAN PENGGUNA INTERNET MENGIKUT KATEGORI UMUR

PERCENTAGE OF INTERNET USERS BY AGE CATEGORY

Kategori umur/ Age category	2016 (%)	2017 (%)	2018 (%)	2019 (%)
Bawah 15 (<i>Below 15</i>)	0.4	..	0.5	..
15 - 19	12.6	..	7.6	..
20 - 24	21.4	..	15.6	..
25 - 29	16.7	..	14.3	..
30 - 34	15.4	..	15.3	..
35 - 39	10.5	..	10.6	..
40 - 44	8.0	..	10.8	..
45 - 49	6.2	..	7.1	..
50 dan ke atas (<i>50 and above</i>)	8.7	..	18.1	..

Nota penjelasan/ Explanatory notes:

Jadual 10 adalah daripada Kajian Pengguna Internet yang dijalankan oleh MCMC
Table 10 is from Internet Users Surveys conducted by the MCMC

11. PERATUSAN CAPAIAN INTERNET ISI RUMAH MENGIKUT NEGERI

PERCENTAGE OF INTERNET ACCESS BY HOUSEHOLD BY STATE

Negeri/ State	2018 (%)	2019 (%)
Johor	88.3	94.1
Kedah	80.7	82.6
Kelantan	81.7	83.4
Melaka	87.6	88.8
Negeri Sembilan	85.4	90.8
Pahang	81.2	85.2
Perak	88.8	90.0
Perlis	81.5	83.0
Pulau Pinang	91.4	92.2
Sabah	90.4	95.3
Sarawak	89.6	91.2
Selangor	90.7	91.4
Terengganu	80.8	83.4
W.P. Kuala Lumpur	92.6	94.6
W.P. Labuan	88.4	98.0
W.P. Putrajaya	99.7	96.8
Malaysia	87.0	90.1

Sumber/ Source:

Laporan Survei Penggunaan dan Capaian ICT oleh Individu dan Isi Rumah 2019, DOSM

ICT Use and Access by Individuals and Households Survey Report 2019, DOSM

12. PERATUSAN CAPAIAN KOMPUTER ISI RUMAH MENGIKUT NEGERI

PERCENTAGE OF COMPUTER ACCESS BY HOUSEHOLD BY STATE

Negeri/ State	2018 (%)	2019 (%)
Johor	70.2	71.7
Kedah	56.6	59.6
Kelantan	59.2	58.2
Melaka	72.6	73.3
Negeri Sembilan	64.2	61.7
Pahang	58.3	59.7
Perak	68.8	66.9
Perlis	67.6	68.2
Pulau Pinang	75.5	76.9
Sabah	59.8	59.8
Sarawak	63.8	63.6
Selangor	88.5	86.2
Terengganu	74.0	71.3
W.P. Kuala Lumpur	77.1	77.0
W.P. Labuan	70.3	71.3
W.P. Putrajaya	96.4	94.2
Malaysia	71.7	71.3

Sumber/ Source:

Laporan Survei Penggunaan dan Capaian ICT oleh Individu dan Isi Rumah 2019, DOSM

ICT Use and Access by Individuals and Households Survey Report 2019, DOSM

13. LANGGANAN JALUR LEBAR TETAP BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN

FIXED-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES

Tahun/ Year	Singapura <i>Singapore</i>	Viet Nam	Thailand	Brunei Darussalam	Malaysia
Nota/ Note					a
2016	26.0	9.6	10.5	8.5	8.8
2017	25.8	11.8	11.9	9.6	8.3
2018	28.0	13.6	13.2	11.5	8.6

Tahun/ Year	Filipina <i>Philippines</i>	Indonesia	Kemboja <i>Cambodia</i>	Lao P.D.R.	Myanmar
2016	2.9	2.0	0.6	0.4	0.2
2017	3.2	2.3	0.8	0.4	0.2
2018	3.7	3.3	1.0	0.6	0.2

Sumber/ Source: MCMC, ITU

Nota penjelasan:

Jalur lebar tetap merujuk kepada akses langganan jalur lebar tetap berkelajuan tinggi dengan kelajuan muat turun menyamai atau lebih daripada 256 kbit/s

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan perbezaan bilangan penduduk yang digunakan

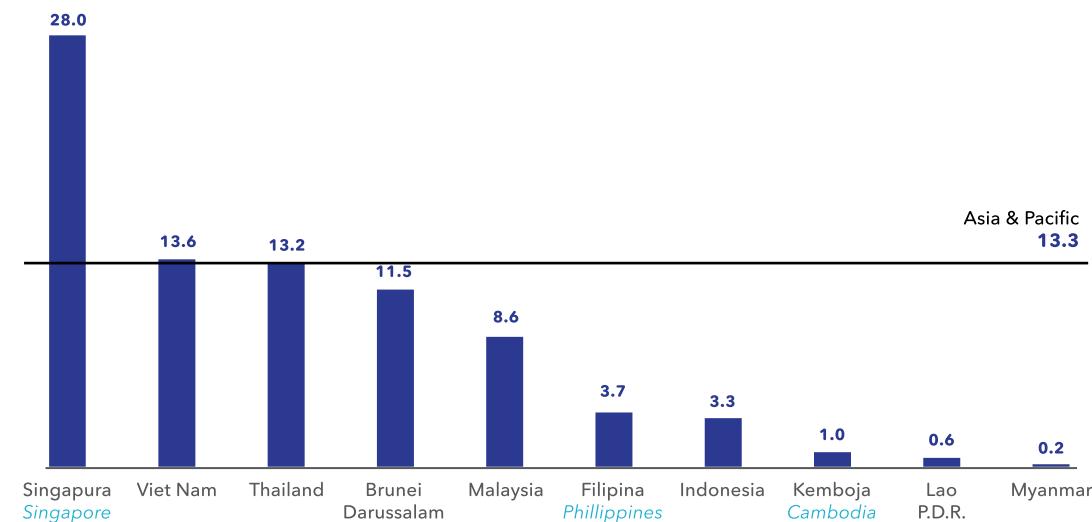
Explanatory notes:

Fixed-broadband refers to fixed-broadband subscriptions for high speed access at downstream speeds equal to or higher than 256 kbit/s

- a. Figure may differ from ITU calculation due to the difference in the number of population used

LANGGANAN JALUR LEBAR TETAP BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN, 2018

FIXED-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES, 2018



14. LANGGANAN JALUR LEBAR TETAP BAGI 100 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	China	Singapura Singapore
2016	40.3	36.3	32.7	31.2	22.8	28.2
2017	41.5	36.4	33.3	31.8	27.7	28.3
2018	41.6	36.8	33.8	32.6	28.5	28.0

Tahun/ Year	Taiwan	Thailand	Malaysia	Indonesia	India
Nota/ Note			a		
2016	24.1	10.5	8.9	2.0	1.4
2017	24.1	11.9	8.6	2.3	1.3
2018	24.1	13.2	8.6	3.3	1.3

Sumber/ Source: MCMC, ITU

Nota penjelasan:

Jalur lebar tetap merujuk kepada akses langganan jalur lebar tetap berkelajuan tinggi dengan kelajuan muat turun menyamai atau lebih daripada 256 kbit/s

a. Angka mungkin berbeza dengan pengiraan ITU disebabkan perbezaan bilangan penduduk yang digunakan

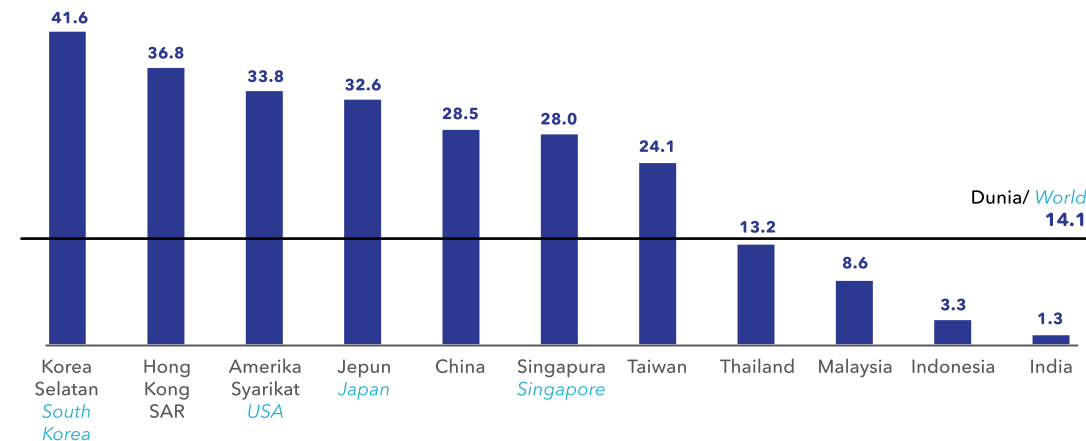
Explanatory notes:

Fixed-broadband refers to fixed-broadband subscriptions for high speed access at downstream speeds equal to or higher than 256 kbit/s

a. Figure may differ from ITU calculation due to the difference in the number of population used

LANGGANAN JALUR LEBAR TETAP BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA, 2018

FIXED-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA, 2018



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15. BILANGAN LANGGANAN SELULAR MUDAH ALIH DAN KADAR PENEMBUSAN

NUMBER OF MOBILE-CELLULAR SUBSCRIPTIONS AND PENETRATION RATE

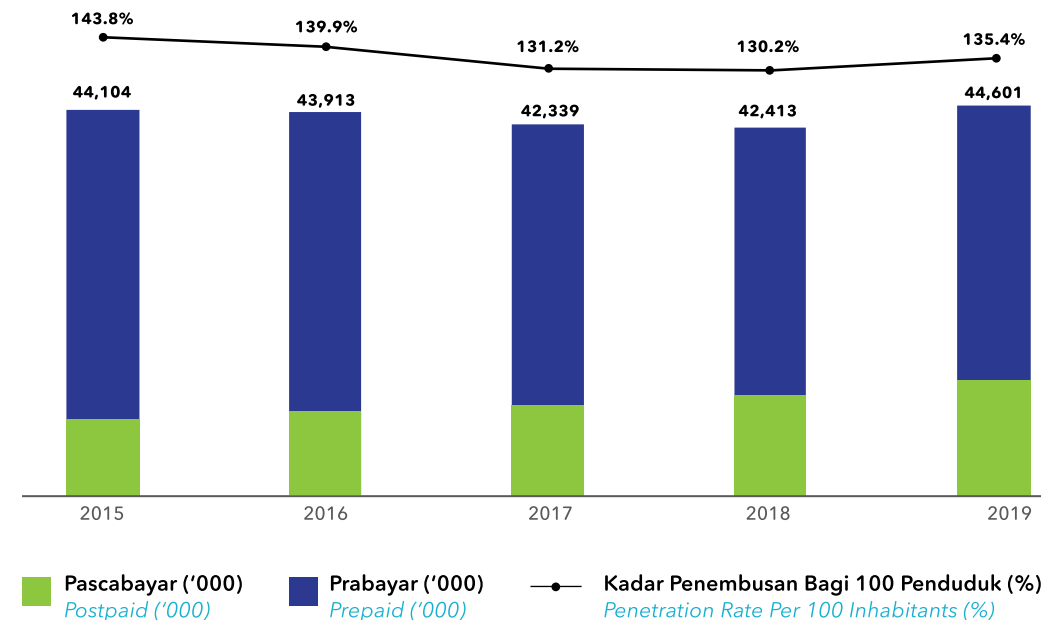
Tahun Year	Suku Quarter	Pascabayar Postpaid (‘000)	Prabayar Prepaid (‘000)	Jumlah Total	Kadar penembusan bagi 100 penduduk Penetration rate per 100 inhabitants (%)
2018	4	11,576	30,837	42,413	130.2
2019	1	12,037	30,885	42,922	131.4
	2	12,330	31,040	43,370	132.4
	3	12,956	31,122	44,078	134.2
	4	13,341	31,261	44,601	135.4

Nota penjelasan/ Explanatory notes:

Sila rujuk nota (b) di Jadual 2/ Please see note (b) in Table 2

BILANGAN LANGGANAN SELULAR MUDAH ALIH DAN KADAR PENEMBUSAN

NUMBER OF MOBILE-CELLULAR SUBSCRIPTIONS AND PENETRATION RATE



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

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

Negeri/ State	2018	2019
Johor	148.7	150.5
Kedah	109.6	114.6
Kelantan	106.4	109.8
Melaka	136.3	128.3
Negeri Sembilan	157.1	146.0
Pahang	111.6	114.0
Perak	133.8	125.8
Perlis	123.3	137.9
Pulau Pinang	145.5	153.9
Sabah	81.7	85.7
Sarawak	108.2	116.5
Selangor	124.1	136.0
Terengganu	117.9	110.7
W.P. Kuala Lumpur	235.3	267.1
W.P. Labuan	73.7	154.7
W.P. Putrajaya	74.9	166.5

17. KEMUDAHALIHAN NOMBOR

MOBILE NUMBER PORTABILITY

Tahun Year	Suku Quarter	Permintaan pengalihan nombor Number of porting request ('000)	Pengalihan nombor yang berjaya Successful porting ('000)
2018	4	1,071.3	444.8
2019	1	1,000.6	411.5
	2	989.1	406.1
	3	1,115.9	480.4
	4	1,271.5	564.2

18. PERATUSAN LANGGANAN SELULAR MUDAH ALIH MENGIKUT JANTINA

PERCENTAGE OF MOBILE-CELLULAR SUBSCRIPTIONS BY GENDER

Tahun/ <i>Year</i>	Lelaki/ <i>Male</i> (%)	Perempuan/ <i>Female</i> (%)
2018	63.4	36.6
2019	63.4	36.6

19. BILANGAN KHIDMAT PESANAN RINGKAS (SMS)

NUMBER OF SHORT MESSAGE SERVICES

Tahun/ <i>Year</i>	Suku/ <i>Quarter</i>	Jumlah/ <i>Total</i> (juta/ <i>million</i>)	Bagi langganan/ <i>Per subscription</i>
Nota/ <i>Note</i>		a	
2018	4	<u>1,365.1</u>	<u>32.2</u>
2019	1	904.5	21.1
	2	1,138.9	26.3
	3	1,036.0	23.5
	4	1,187.7	26.6

Nota penjelasan/ *Explanatory notes:*

- a. Angka menunjukkan bilangan SMS dihantar dalam tempoh rujukan
Figure refers to the number of SMSes sent within the period

20. LANGGANAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN

MOBILE-CELLULAR SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES

Tahun/ Year	Thailand	Singapura <i>Singapore</i>	Viet Nam	Brunei Darussalam	Malaysia
Nota/ Note					a
2016	173.5	149.7	128.8	124.7	139.9
2017	175.6	146.8	126.9	128.3	131.2
2018	180.2	148.8	147.2	131.9	130.2

Tahun/ Year	Filipina <i>Philippines</i>	Kemboja <i>Cambodia</i>	Indonesia	Myanmar	Lao P.D.R.
2016	115.9	126.3	147.4	95.4	57.8
2017	110.1	116.0	164.4	89.8	53.4
2018	126.2	119.5	119.3	113.8	51.9

Sumber/ Source: MCMC, ITU

Nota penjelasan:

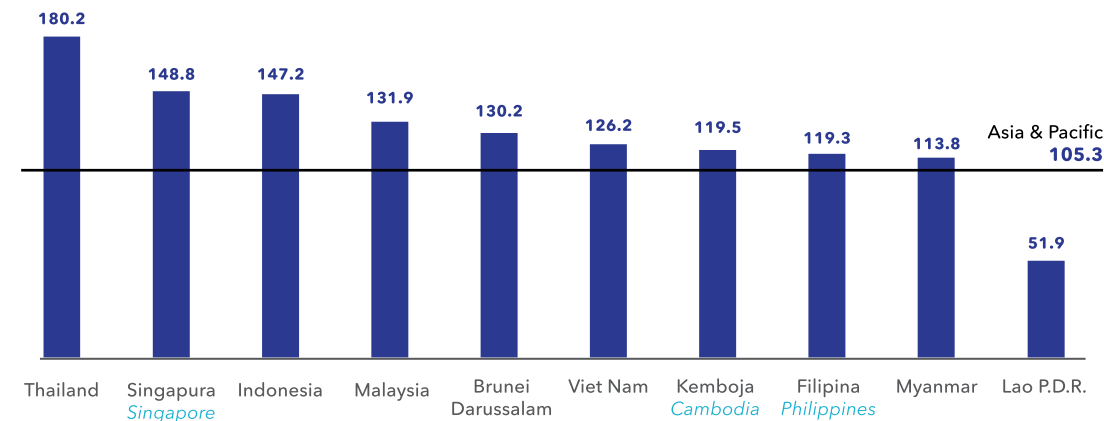
- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh perbezaan bilangan penduduk yang digunakan

Explanatory notes:

- a. 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, 2018

MOBILE-CELLULAR SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES, 2018



21. 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	Jepun Japan	Malaysia	Korea Selatan South Korea
Nota/ Note					a	
2016	242.8	173.5	149.7	130.6	139.9	120.2
2017	251.8	175.6	146.8	135.5	131.2	124.6
2018	270.0	180.2	148.8	141.4	130.2	129.7

Tahun/ Year	Amerika Syarikat USA	Taiwan	Indonesia	China	India
2016	122.6	123.8	147.4	96.5	85.1
2017	123.0	121.6	164.4	103.4	87.3
2018	129.0	123.7	119.3	115.5	86.9

Sumber/ Source: MCMC, ITU

Nota penjelasan:

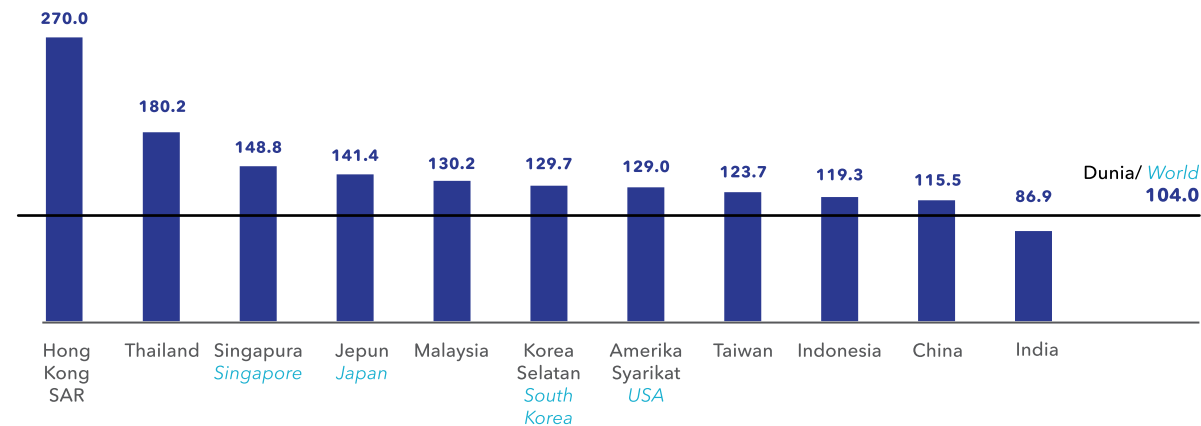
a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh perbezaan bilangan penduduk yang digunakan

Explanatory notes:

a. Figure may differ from ITU calculation due to the difference in the number of population used

BILANGAN LANGGANAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA, 2018

NUMBER OF MOBILE-CELLULAR SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA, 2018



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TELEFON TETAP
Fixed-Telephone

22 . BILANGAN LANGGANAN TELEFON TETAP DAN KADAR PENEMBUSAN

NUMBER OF FIXED-TELEPHONE SUBSCRIPTIONS AND PENETRATION RATE

Tahun <i>Year</i>	Suku <i>Quarter</i>	Jumlah langganan ('000) <i>Total subscriptions</i>	Kadar penembusan bagi 100 penduduk (%) <i>Penetration rate per 100 inhabitants</i>
Nota/ <i>Note</i>		a	
2018	4	6,433.3	19.8
2019	1	6,425.3	19.7
	2	6,415.1	19.6
	3	6,448.6	19.6
	4	6,474.4	19.7

Nota penjelasan:

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

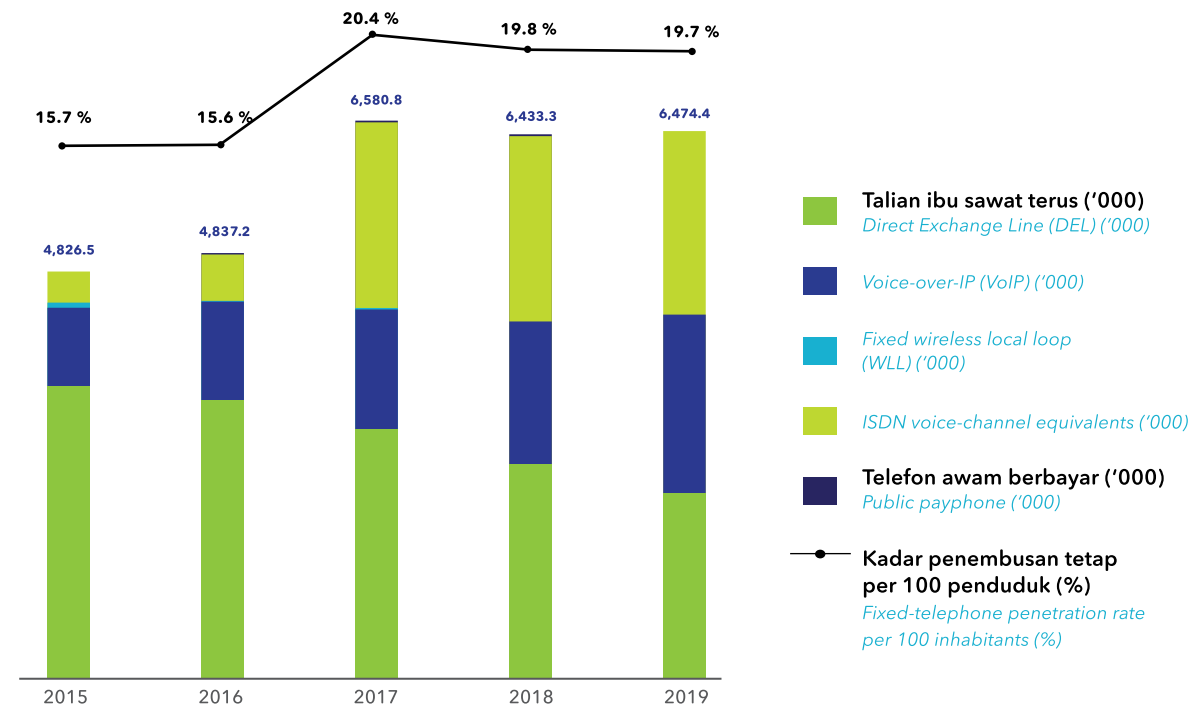
- a. Termasuk Talian Ibu Sawat Terus, VoIP, Fixed wireless local loop (WLL), ISDN voice-channel equivalents dan telefon berbayar awam

Explanatory notes:

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

- a. Includes Direct Exchange Line (DEL), VoIP, Fixed wireless local loop (WLL), ISDN voice-channel equivalents and public payphones

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



23. 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 Household		Bukan isi rumah Non household	Jumlah langganan ('000) Total subscriptions	Kadar penembusan bagi 100 penduduk (%) Penetration rate per 100 inhabitants
		Bilangan langganan ('000) Number of subscriptions	Kadar penembusan bagi 100 isi rumah (%) Penetration rate per 100 households	Bilangan langganan ('000) Number of subscriptions		
2018	4	1,456	18.0	1,099	2,555	7.8
2019	1	1,357	16.6	1,070	2,427	7.4
	2	1,298	15.9	1,046	2,344	7.2
	3	1,256	15.3	1,022	2,277	6.9
	4	1,203	14.6	996	2,199	6.7

Nota penjelasan:

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

Explanatory notes:

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

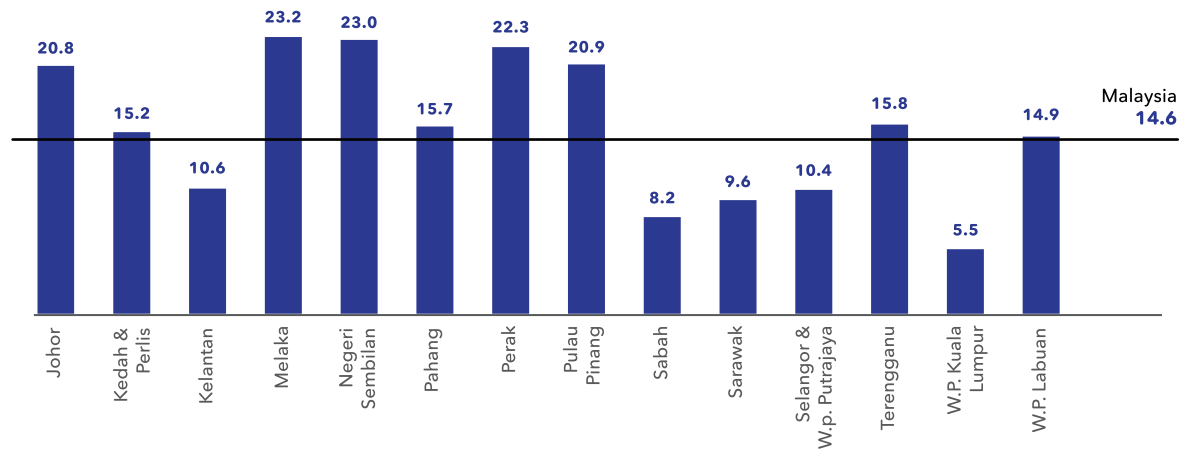
24. KADAR PENEMBUSAN TALIAN IBU SAWAT TERUS BAGI 100 ISI RUMAH MENGIKUT NEGERI (%)

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

Tahun/ Year	2018	2019			
Suku/ Quarter	4	1	2	3	4
Negeri/ State					
Johor	24.7	23.1	22.2	21.5	20.8
Kedah & Perlis	16.8	17.4	16.6	15.9	15.2
Kelantan	12.7	12.2	11.6	11.2	10.6
Melaka	27.8	25.9	24.8	24.0	23.2
Negeri Sembilan	27.4	25.5	24.5	23.9	23.0
Pahang	19.0	17.6	16.9	16.4	15.7
Perak	26.6	24.8	23.8	23.2	22.3
Pulau Pinang	26.6	24.3	23.0	22.0	20.9
Sabah	10.1	9.5	9.0	8.6	8.2
Sarawak	12.9	11.5	10.8	10.2	9.6
Selangor & W.P. Putrajaya	13.1	11.8	11.2	10.9	10.4
Terengganu	20.4	18.8	17.8	16.9	15.8
W.P. Kuala Lumpur	7.1	6.4	6.1	5.8	5.5
W.P. Labuan	19.2	17.3	16.1	15.7	14.9
Malaysia	18.0	16.6	15.9	15.3	14.6

KADAR PENEMBUSAN TALIAN IBU SAWAT TERUS BAGI 100 ISI RUMAH MENGIKUT NEGERI, 2019 (%)

DIRECT EXCHANGE LINE(DEL) PENETRATION RATE PER 100 HOUSEHOLDS BY STATE, 2019 (%)



25. BILANGAN LANGGANAN VOICE-OVER-IP (VOIP) DAN KADAR PENEMBUSAN

NUMBER OF VOICE-OVER-IP (VOIP) SUBSCRIPTIONS AND PENETRATION RATE

Tahun Year	Suku Quarter	Isi rumah Household		Bukan isi rumah Non household	Jumlah langganan ('000) Total subscriptions	Kadar penembusan bagi 100 penduduk (%) Penetration rate per 100 inhabitants
		Bilangan langganan ('000) Number of subscriptions	Kadar penembusan bagi 100 isi rumah (%) Penetration rate per 100 households	Bilangan langganan ('000) Number of subscriptions		
2018	4	1,445	17.9	275	1,720	5.3
2019	1	1,523	18.7	285	1,808	5.5
	2	1,589	19.4	297	1,885	5.8
	3	1,675	20.4	318	1,992	6.1
	4	1,772	21.5	333	2,105	6.4

Nota penjelasan:

Langganan VoIP merujuk kepada bilangan langganan talian tetap Voice-over-IP (VoIP). Ia juga dikenali sebagai Voice over Broadband (VoB), dan termasuk langganan VoIP melalui talian tetap tanpa wayar, DSL, kabel, gentian optik dan lain-lain platform Internet jalur lebar tetap yang menyediakan talian telefon tetap menggunakan IP

Explanatory notes:

VoIP subscription refers to the number of Voice-over-Internet Protocol (VoIP) fixed-line subscription. It is also known as Voice over Broadband (VoB), and includes VoIP subscription through fixed wireless, DSL, cable, fibre optic and other fixed-broadband Internet platforms that provide fixed telephony using IP

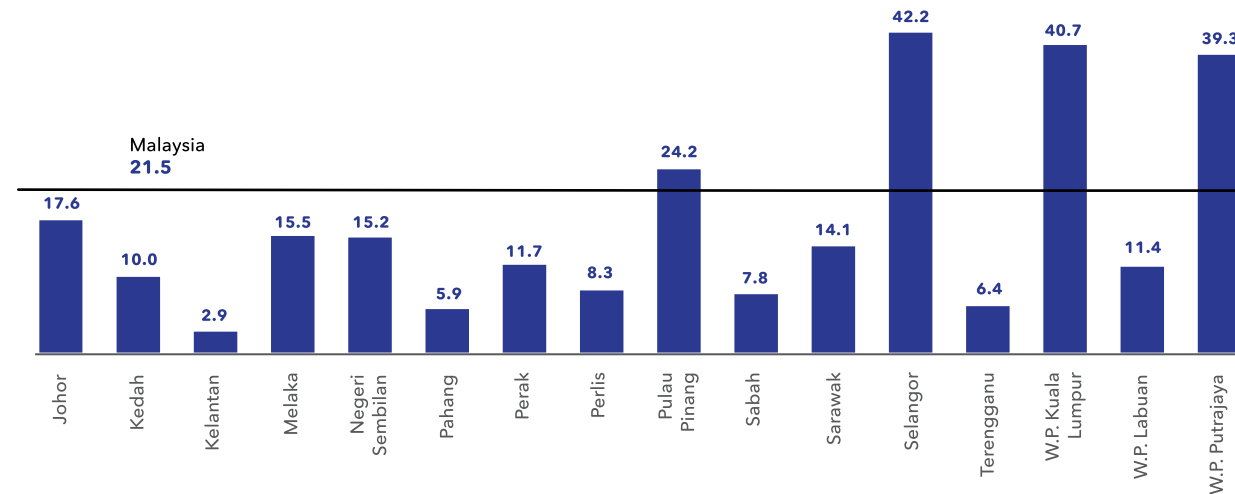
26. KADAR PENEMBUSAN VOICE-OVER-IP (VOIP) BAGI 100 ISI RUMAH MENGIKUT NEGERI (%)

VOICE-OVER-IP (VOIP) PENETRATION RATE PER 100 HOUSEHOLDS BY STATE (%)

Tahun/ Year	2018		2019		
Suku/ Quarter	4	1	2	3	4
Negeri/ State					
Johor	14.4	15.0	15.6	16.6	17.6
Kedah	7.4	8.1	8.6	9.2	10.0
Kelantan	1.4	1.7	1.9	2.3	2.9
Melaka	11.6	12.6	13.3	14.3	15.5
Negeri Sembilan	11.5	12.3	12.9	13.8	15.2
Pahang	3.7	4.4	4.7	5.2	5.9
Perak	8.7	9.6	10.1	10.7	11.7
Perlis	6.0	6.5	6.8	7.4	8.3
Pulau Pinang	19.1	20.2	21.4	22.7	24.2
Sabah	5.4	6.0	6.5	7.0	7.8
Sarawak	11.1	12.0	12.7	13.3	14.1
Selangor	37.6	38.2	39.2	40.6	42.2
Terengganu	3.2	4.2	4.7	5.3	6.4
W.P. Kuala Lumpur	34.7	35.4	37.0	39.1	40.7
W.P. Labuan	7.9	9.2	10.1	10.6	11.4
W.P. Putrajaya	38.5	37.5	37.4	37.9	39.3
Malaysia	17.9	18.7	19.4	20.4	21.5

KADAR PENEMBUSAN VOICE-OVER-IP (VOIP) BAGI 100 ISI RUMAH MENGIKUT NEGERI, 2019 (%)

VOICE-OVER-IP (VOIP) PENETRATION RATE PER 100 HOUSEHOLDS BY STATE, 2019 (%)



27. BILANGAN LANGGANAN BAGI LAIN-LAIN TEKNOLOGI DALAM TELEFON TETAP
NUMBER OF SUBSCRIPTIONS FOR OTHER TECHNOLOGIES IN FIXED-TELEPHONES

Tahun <i>Year</i>	Suku <i>Quarter</i>	<i>Fixed wireless local loop (WLL)</i> (‘000)	<i>ISDN voice-channel equivalents</i> (‘000)	Telefon berbayar awam <i>Public payphones</i> (‘000)
Nota/ <i>Note</i>			a	
2018	4	27.1	2,175.6	0.2
2019	1	18.5	2,171.7	0.1
	2	17.8	2,167.9	0.1
	3	17.4	2,163.0	0.1
	4	13.2	2,157.0	0.0

Nota penjelasan:

a. *ISDN voice-channel equivalents* merujuk kepada jumlah kadar asas dan kadar utama *voice-channel equivalents*. Kadar asas *voice-channel equivalents* ialah bilangan langganan kadar asas ISDN yang didarabkan dengan 2. Kadar utama *voice-channel equivalents* ialah bilangan langganan kadar utama ISDN yang didarabkan dengan 30

Explanatory notes:

a. *ISDN voice-channel equivalents* refers to the sum of basic-rate and primary-rate *voice-channel equivalents*. Basic-rate *voice-channel equivalents* is the number of basic-rate ISDN subscriptions multiplied by 2. Primary-rate *voice-channel equivalents* is the number of primary-rate ISDN subscriptions multiplied by 30

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

Tahun/ <i>Year</i>	Singapura <i>Singapore</i>	Lao P.D.R.	Malaysia	Brunei Darussalam	Viet Nam
Nota/ <i>Note</i>			a		
2016	35.3	18.5	15.6	17.7	6.0
2017	34.9	16.2	20.4	19.7	4.6
2018	34.8	21.0	19.8	19.3	4.5
Tahun/ <i>Year</i>	Thailand	Filipina <i>Philippines</i>	Indonesia	Myanmar	Kemboja <i>Cambodia</i>
2016	6.8	3.6	4.1	1.0	1.4
2017	5.0	4.0	4.2	1.0	0.8
2018	4.2	3.9	3.1	1.0	0.5

Sumber/ *Source*: MCMC, ITU

Nota penjelasan:

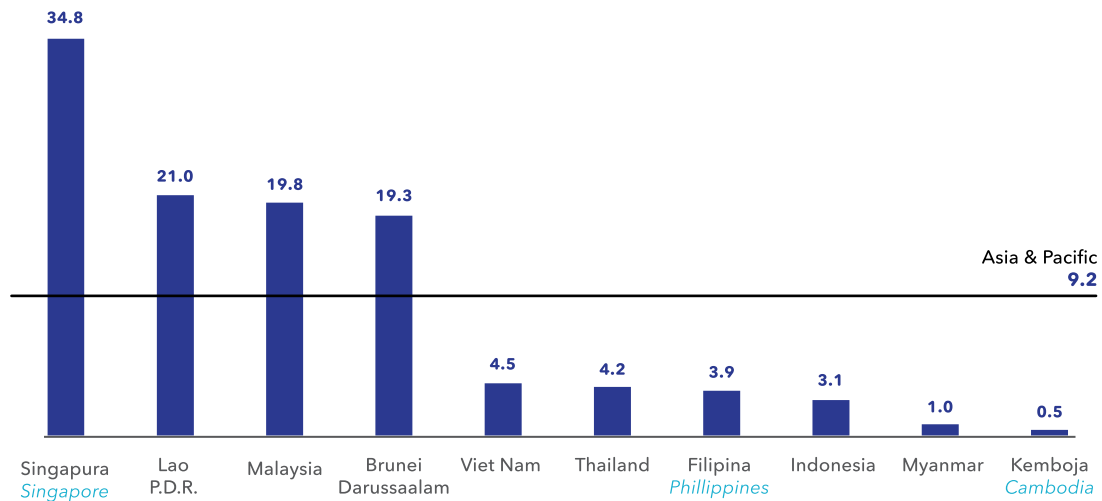
a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh perbezaan bilangan penduduk yang digunakan

Explanatory notes:

a. *Figure may differ from ITU calculation due to the difference in the number of population used*

LANGGANAN TELEFON TETAP BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN, 2018

FIXED-TELEPHONE SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES, 2018



29. 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
2016	59.6	58.3	55.0	50.2	35.3	37.6
2017	58.2	57.3	52.5	50.2	34.9	35.8
2018	56.9	55.5	50.6	49.9	34.8	33.6

Tahun/ Year	Malaysia	China	Indonesia	Thailand	India
Nota/ Note	a				
2016	15.6	14.6	6.8	4.1	1.8
2017	20.4	13.6	5.0	4.2	1.7
2018	19.8	13.5	4.2	3.1	1.6

Sumber/ Source: MCMC, ITU

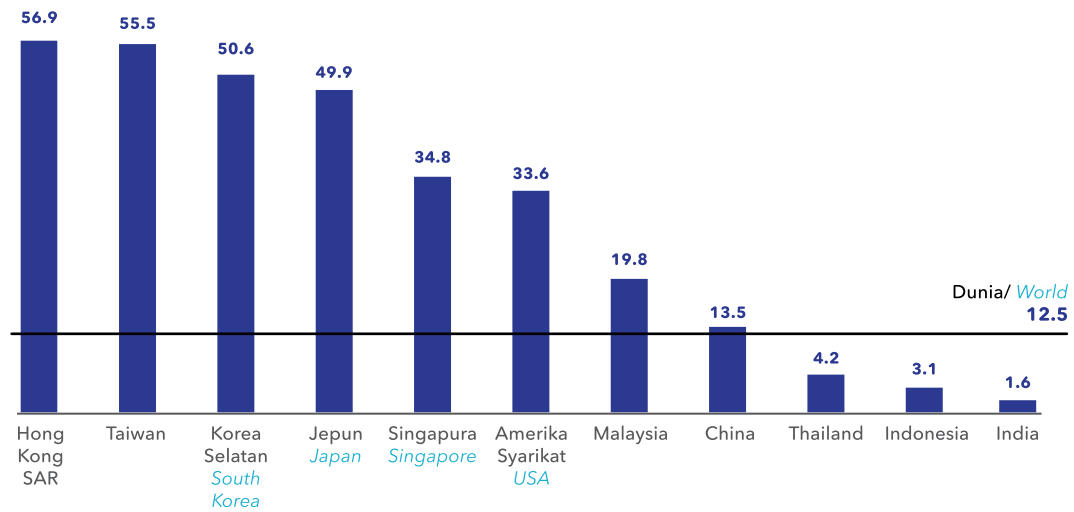
Nota penjelasan:

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh perbezaan bilangan penduduk yang digunakan

Explanatory notes:

- a. Figure may differ from ITU calculation due to the difference in the number of population used

LANGGANAN TELEFON TETAP BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA, 2018
FIXED-TELEPHONE SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA, 2018



TV DAN RADIO
TV and Radio

30. 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 ('000) Household	Bukan isi rumah ('000) Non household	Jumlah ('000) Total	
2018	4	7,062.2	16.6	7,078.9	87.3
2019	1	7,130.6	16.4	7,147.0	87.3
	2	7,104.0	15.5	7,119.5	86.8
	3	7,055.8	15.6	7,071.4	85.9
	4	7,103.4	13.9	7,117.4	86.4

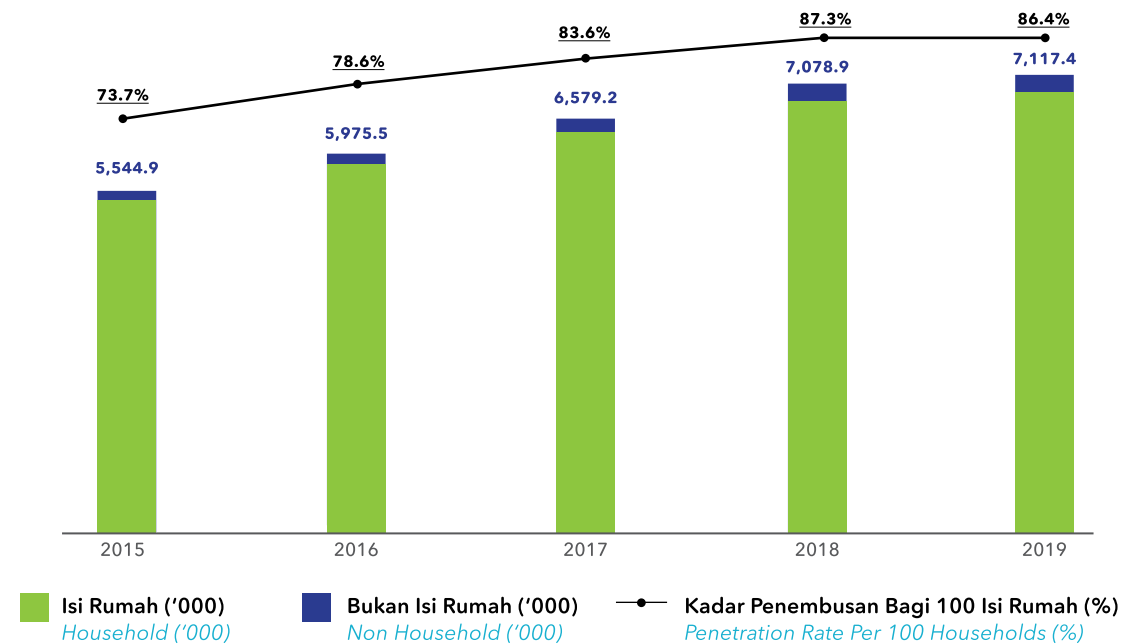
Nota penjelasan/ Explanatory notes:

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



31. PERATUSAN CAPAIAN TELEVISYEN ISI RUMAH MENGIKUT NEGERI

PERCENTAGE OF TELEVISION ACCESS BY HOUSEHOLD BY STATE

Negeri/ State	2018 (%)	2019 (%)
Johor	99.2	98.7
Kedah	99.1	98.3
Kelantan	98.7	95.7
Melaka	99.2	97.8
Negeri Sembilan	98.8	98.7
Pahang	97.5	97.8
Perak	98.8	96.7
Perlis	99.7	96.9
Pulau Pinang	99.1	97.0
Sabah	96.5	95.2
Sarawak	97.2	95.3
Selangor	98.9	98.5
Terengganu	99.6	98.9
W.P. Kuala Lumpur	99.4	99.6
W.P. Labuan	98.7	97.9
W.P. Putrajaya	98.8	98.7
Malaysia	98.6	97.6

Sumber/ Source:

Laporan Survei Penggunaan dan Capaian ICT oleh Individu dan Isi Rumah 2019, DOSM

ICT Use and Access by Individuals and Households Survey Report 2019, DOSM

32. PERATUSAN CAPAIAN RADIO ISI RUMAH MENGIKUT NEGERI

PERCENTAGE OF RADIO ACCESS BY HOUSEHOLD BY STATE

Negeri/ State	2018 (%)	2019 (%)
Johor	97.6	99.0
Kedah	94.1	96.1
Kelantan	90.7	95.5
Melaka	94.2	93.8
Negeri Sembilan	97.5	98.8
Pahang	93.7	97.1
Perak	94.1	94.5
Perlis	97.2	98.0
Pulau Pinang	98.9	97.7
Sabah	87.2	90.6
Sarawak	97.1	97.8
Selangor	97.2	99.2
Terengganu	98.6	98.7
W.P. Kuala Lumpur	99.2	99.2
W.P. Labuan	93.4	97.0
W.P. Putrajaya	98.2	99.7
Malaysia	95.7	97.2

Sumber/ Source:

Laporan Survei Penggunaan dan Capaian ICT oleh Individu dan Isi Rumah 2019, DOSM

ICT Use and Access by Individuals and Households Survey Report 2019, DOSM

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**TANDATANGAN
DIGITAL**
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33. BILANGAN LESEN PIHAK BERKUASA PEMERAKUAN

NUMBER OF CERTIFICATION AUTHORITIES

Tahun/ <i>Year</i>	Suku/ <i>Quarter</i>	Bilangan lesen <i>Number of licenses</i>
2018	4	4
2019	1	4
	2	4
	3	4
	4	4

Nota penjelasan/ *Explanatory notes:*

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

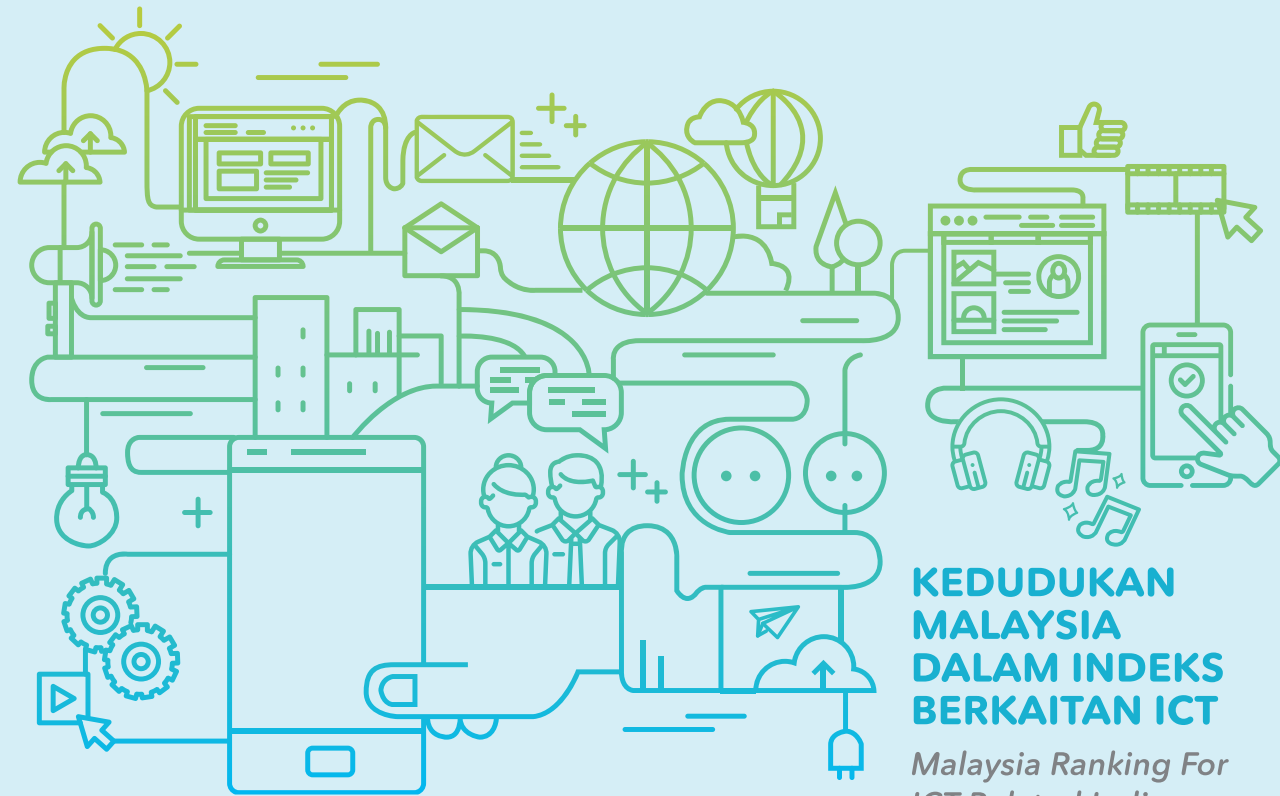
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34. BILANGAN SIJIL YANG DIKELUARKAN MENGIKUT JENIS

NUMBER OF CERTIFICATES ISSUED BY TYPE

Tahun <i>Year</i>	Suku <i>Quarter</i>	Pemegang domestik <i>Domestic holder</i>			Pemegang luar negara <i>Foreign holder</i>	Jumlah (<i>'000</i>) <i>Total</i>
		Individu (<i>'000</i>) <i>Individual</i>	Organisasi <i>Organisation</i>		Organisasi <i>Organisation</i>	
			Korporat (<i>'000</i>) <i>Corporate</i>	Kerajaan (<i>'000</i>) <i>Government</i>	Kerajaan & korporat (<i>'000</i>) <i>Government & corporate</i>	
2018	4	30.7	381.7	11,954.9	1.1	12,368.4
2019	1	34.4	403.1	12,393.0	1.1	12,831.7
	2	37.2	420.7	13,108.8	1.1	13,567.9
	3	40.0	438.5	13,249.3	1.2	13,729.0
	4	43.4	456.7	13,310.1	1.2	13,811.3

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**KEDUDUKAN
MALAYSIA
DALAM INDEKS
BERKAITAN ICT**

*Malaysia Ranking For
ICT Related Indices*

35. KEDUDUKAN MALAYSIA DALAM INDEKS BERKAITAN ICT

MALAYSIA RANKING FOR ICT RELATED INDICES

Tahun/ Year	ICT Development Index (IDI)	Telecommunication Infrastructure Index (TII)	Network Readiness Index (NRI)
Nota/ Note	a	b	c
2017	63
2018	..	59	..
2019	32

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 International Telecommunication Union

Telecommunication Infrastructure Index (TII): Indikator komposit yang mengukur ketersediaan infrastruktur telekomunikasi negara untuk memanfaatkan peluang-peluang ICT bagi meningkatkan daya saing sesebuah negara. Indeks ini terdiri daripada 5 sub-indikator:

- i) Langganan aktif jalur lebar mudah alih bagi setiap 100 penduduk
- ii) Langganan Internet jalur lebar tetap bagi setiap 100 penduduk
- iii) Talian telefon tetap
- iv) Pengguna Internet
- v) Langganan telefon mudah alih

Network Readiness Index (NRI): Pembaharuan rangka kerja Indeks Ketersediaan Jaringan (NRI) yang menilai faktor, polisi dan institusi bagi membolehkan sesebuah negara memanfaatkan sepenuhnya teknologi maklumat dan komunikasi (ICT) demi pertumbuhan inklusif, berdaya saing, dan kesejahteraan yang mampan

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 International Telecommunication Union

Telecommunication Infrastructure Index (TII): Composite indicator that measures the countries' telecommunication infrastructure readiness to adopt the opportunities offered by ICT as to enhance their competitiveness. The index consists of 5 sub-indicators:

- i) Active Mobile Broadband subscriptions per 100 population
- ii) Fixed broadband Internet subscriptions per 100 population
- iii) Fixed telephone lines
- iv) Internet users
- v) Mobile telephone subscriptions

Network Readiness Index (NRI): The renewed Network Readiness Index (NRI) framework, which assesses the factors, policies, and institutions that enable a country to fully leverage information and communication technologies (ICTs) for inclusive, sustainable growth, competitiveness, and well-being

UNTUK STATISTIK-STATISTIK LAIN FOR OTHER 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

Layari www.mcmc.gov.my
Visit www.mcmc.gov.my

PENERBITAN STATISTIK YANG LAIN OTHER STATISTICAL PUBLICATIONS

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)
5. Kajian Pengguna e-Dagang 2018 (e-Penerbitan)
e-Commerce Consumers Survey 2018 (e-Publication)

JABATAN STATISTIK DAN RISIKAN DATA STATISTICS & DATA INTELLIGENCE DEPARTMENT

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Sila hubungi Jabatan Statistik dan Risikan Data MCMC sekiranya anda mempunyai pertanyaan berkaitan statistik-statistik yang diterbitkan oleh MCMC di alamat e-mel berikut:
Please contact the Statistics & Data Intelligence Department MCMC if you have any queries regarding the statistics published by MCMC at the following email address:

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