



COORDINATING MINISTRY FOR ECONOMIC AFFAIRS
REPUBLIC OF INDONESIA



Maximizing eGov for a Better Governance and Capacity Building

Eddy Satriya

Deputy Assistant for ICT and Utility

Deputy for Infrastructure and Regional Development

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Building e-Governance for Development: Pushing boundaries for Governance and Institutional Capacity

- What is the key role of governments in terms of e-Government in transforming the traditional economies to digital economies?
- What are the key challenges in introducing a holistic and whole of government approach for e-Government given that governments are operated in silo and development programs are structured by sectors?
- What is the key foundational infrastructure for e-government in maximizing the use of digital technologies for public administration and service deliveries?

ASIA PACIFIC (25) in NUMBERS

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GDP (PPP 2017)

Country	2017 GDP (PPP) billions of USD
Total	\$55,381.4
China	\$23,159
India	\$10,459
Japan	\$4,932
Indonesia	\$3,028
South Korea	\$1,929
Saudi Arabia	\$1,731
Iran	\$1,459
Thailand	\$1,269
Australia	\$1,189
Taiwan	\$1,127
Philippines	\$1,023
Pakistan	\$988.2
Malaysia	\$863.0
United Arab Emirates	\$667.2
Bangladesh	\$628.4
Iraq	\$596.7
Vietnam	\$594.9
Singapore	\$487.9
Kazakhstan	\$460.7
Hong Kong	\$427.4
Qatar	\$334.5
Myanmar	\$311.1
Kuwait	\$301.1
Israel	\$297.0
Saudi Arabia	\$236.7

GDP per Capita (PPP 2017)

Country	GDP per capita
Qatar	124,900
Macau ^[n 1]	114,400
Singapore	90,500
Brunei	76,700
Kuwait	69,709
United Arab Emirates	68,200
Hong Kong ^[n 2]	61,000
Saudi Arabia	55,300
Bahrain	51,800
Taiwan	49,800
Oman	45,500
Japan	42,700
South Korea	39,400
Israel	36,200
Malaysia	28,900
Russia ^[n 3]	27,900
Turkey ^[n 4]	26,500
Kazakhstan ^[n 5]	26,100
Iran	20,000
Lebanon	19,500
Maldives	19,200
Turkmenistan	18,700
Thailand	17,800
Azerbaijan ^[n 6]	17,400
Iraq	17,000
China	16,600
Egypt ^[n 7]	13,000

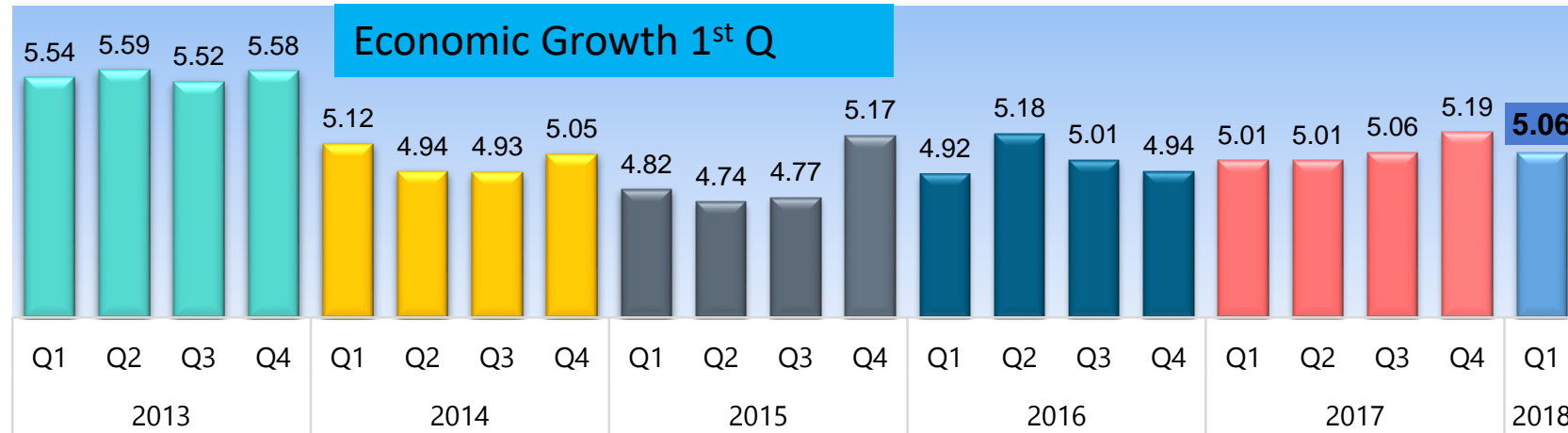
2014 Asian Games medal table

Rank	Nation	Gold
1	China (CHN)	151
	South Korea (KOR)*	
	Japan (JPN)	
	Kazakhstan (KAZ)	
	Iran (IRI)	
	Thailand (THA)	
	North Korea (PRK)	
	India (IND)	
	Chinese Taipei (TPE)	
	Qatar (QAT)	
	Uzbekistan (UZB)	
	Bahrain (BRN)	
	Hong Kong (HKG)	
	Malaysia (MAS)	
	Singapore (SGP)	
	Mongolia (MGL)	
	Indonesia (INA)	
	Kuwait (KUW)	
	Saudi Arabia (KSA)	
	Myanmar (MYA)	
	Vietnam (VIE)	
	Philippines (PHI)	
	Pakistan (PAK)	
	Tajikistan (TJK)	
	Iraq (IRQ)	
	United Arab Emirates (UAE)	

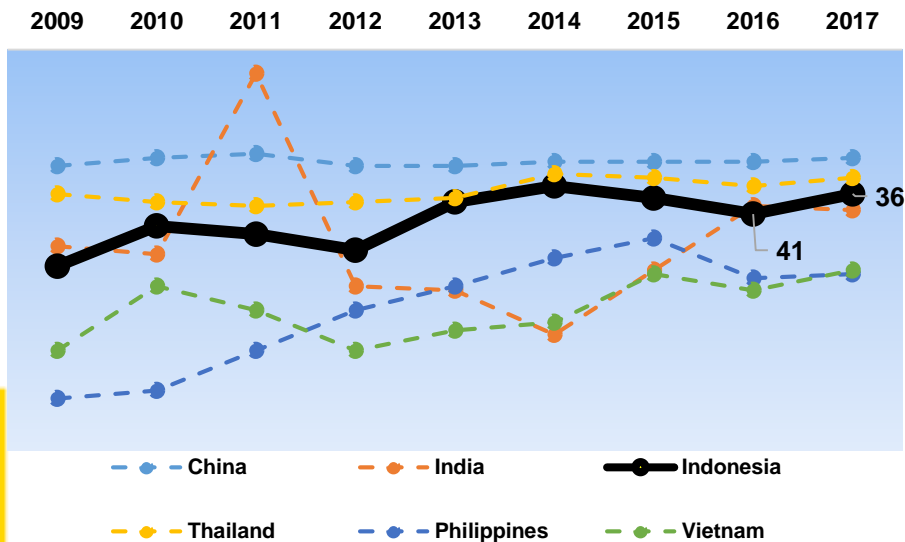
2018 Asian Games medal table
(as of 28 Aug 2018)

Rank	Participating Country	Gold
1	China	85
2	Japan	43
3	South Korea	28
4	Indonesia	22
5	Iran	17
6	Chinese-Taipei	12
7	DPR Korea	12
8	Thailand	9
9	India	8
10	Kazakhstan	7
11	Uzbekistan	6
12	Bahrain	6
13	Hong-kong	3
14	Malaysia	3
15	United Arab Emirates	3
16	Singapore	3
17	Qatar	3
18	Mongolia	3
19	Philippines	3
20	Vietnam	2
21	Kyrgyzstan	2
22	Jordan	2
23	Cambodia	2
24	Macau	1
25	Lebanon	1

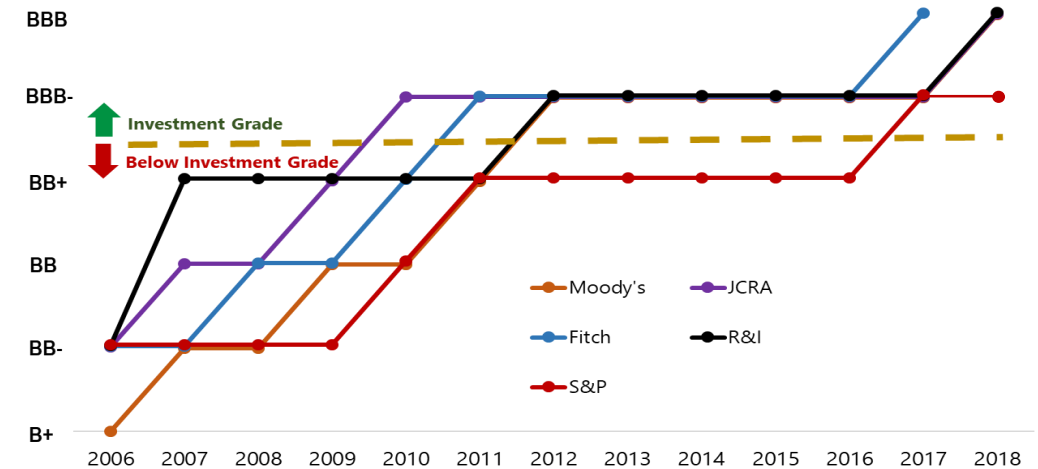
INDONESIA ECONOMY AT A GLANCE



Global Competitiveness Index



Investment Grade



Sources: GCI Report 2017-18, CBS Indonesia, EODB Indonesia

1. **Economic growth : 5,07% (2017);**
2. **ICT is one of the highest for the GDP growth, 10.88%.
(The only sector for double digit);**
3. **The challenge is how to maximize output through technological change/ICT and innovation. Not only for economy but also for other public sectors/services;**
4. **$Y = f(K, L, i)$ where i is technological change coefficient.**

SOME NUMBERS ON INDONESIAN ICT

- 1. Population: 262 millions;**
- 2. Fixed lines: 10 millions;**
- 3. Mobile Phones (SIM cards): 370 millions;**
- 4. Internet Users: 143,26 millions;**
- 5. Smartphones+Tablet: 131,2 millions**
- 6. 58,08% users are in Java island;**

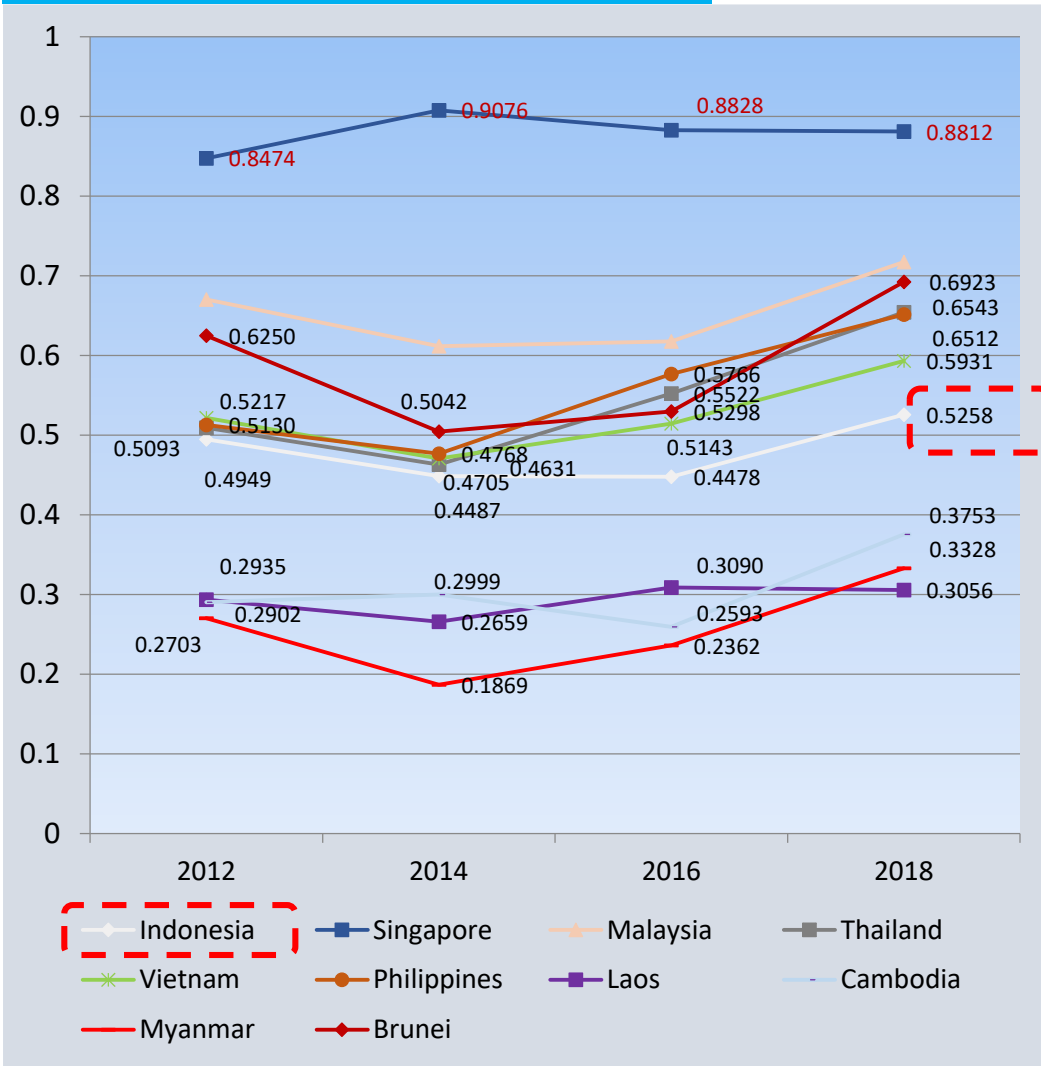
Sources: Kemenkominfo, APJII 2017, BPS

Some of Indonesia's Telecommunication/ICT milestone

1907	Post, Telegraph dan Telephone
1961	Perusahaan Negara (PN) Pos dan Telekomunikasi
1966	Ministry of Telecommunication
1966	Directorate General of Post and Telecommunication in Transportation Department
1974	Public Company for Telecommunication; PT. INTI; Sentral Telepon Digital Indonesia (STDI)
1980	PT. Indosat (GR No.53/1980)
1988	PT. Aplikanusa Lintasarta
1989	Law No.3/1989 on Telecommunication
1990	STDI 2 – Indonesia Digital Telephone Exchange 2
1995	IPO PT. Telkom
1997	Tim Koordinasi Telematika (TKTI) Presidential Decree No.30/1997
1999	Law No.36/1999 on Telecommunication
2001	Ministry of Communication and Information
2005	Merge of Ministry of Communication and Information and DG Postel
2006	Dewan TIK Nasional (DETIKNAS)/National Council on ICT
2008	Law No 11/2008 on Information and Electronic Transaction
2014	Dewan TIK Nasional (WANTIKNAS)/New National Council on ICT
2016	National Council on Financial Inclusion
2017	National Roadmap on E-Commerce

CURRENT STATUS

e-Gov Development Index



e-Gov Ranking

Year	IDN	SG	MY	VTM	THAI	PHIL
2018	107	7	48	88	73	75
2016	116	4	60	89	77	71
2014	106	3	52	99	102	95
2012	97	10	40	83	92	88

In 2018 UN e-Gov Survey Report, Indonesia ranks **107th** out of 193 countries with e-gov development index score **0,5258**.

Source : UN e-Government Survey

Related Regulations to E-Government

1. Law No. 11 / 2008 jo. Law No. 19 / 2016 on Electronic Information and Transaction
2. Law No. 14 / 2008 on Public Information Disclosure
3. Law No. 25 / 2009 on Public Services
4. Law No. 43 / 2009 on Archives
5. Law No. 23 / 2014 on Local Government
6. Presidential Instruction No. 6/ 2001 on Telematics

Missing Road Map and Policy Framework

7. Presidential Instruction No.3/2003 on National Policy and Strategy Development of E-Gov

8. Government Regulation No. 65 / 2005 on Guidelines for Preparing and Implementing Minimum Standard Services
9. Government Regulation No. 82 / 2012 on Electronic System and Transaction Operation
10. Presidential Decree No. 96 / 2014 on Broadband Plan Indonesia
11. Presidential Decree No. 2 / 2015 on National Medium Term Development Plan 2015 - 2019
12. Presidential Decree No. 74 / 2017 on Roadmap E-Commerce
13. Presidential Decree No. 91/2017 on Online Single Submission
14. Presidential Decree No 44/2018 on Indonesia National Single Window

15. Draft Government Regulation 2017 on Electronic Based Government System Operation.

SOME e-GOVERNMENT IMPLEMENTATIONS

INSTITUTION	GOVERNMENT APPLICATION
Kemendagri (MoHA)	Sikomdagri → Media Interaction for Local Autonomy /Media Interaksi Otonomi Daerah (Medsosa) → Medsosa Chatting (M-Chat)
Kemen PUPR (MoPSPH)	<ul style="list-style-type: none"> • e-Human Resource Management (e-HRM) • Electronic Service Manuscript / Tata Naskah Dinas Elektronik (TNDE) • Geographic Information System Portal (SIGI) • Building Construction License/ Surat Izin Mendirikan Bangunan (SimBG) → Integrated with OSS
Kemenkeu (MoF)	<ul style="list-style-type: none"> • e-Prime for Echelon I • Treasury and Budget System Application/ Sistem Perbendaharaan dan Anggaran Negara (SPAN) • Financial System Application for Institution / Sistem Aplikasi Keuangan Tingkat Instansi (SAKTI) • Financial System Application for Regional / Sistem Aplikasi Keuangan Daerah (SIKD)
Bappenas	<ul style="list-style-type: none"> • Planning and Information Performance Budget / Perencanaan dan Informasi Kinerja Anggaran (KRISNA) Application • Planning Coordinator SPBE (Integrating planning, budgeting, procurement, accountability, and monitoring and evaluation)
KemenpanRB (MoABR)	<ul style="list-style-type: none"> • Roadmap e-Government • Governance Coordinator • Integrated apparatus data management, public services compliance, and archives (electronic manuscript)
Kemenkominfo (MCIT)	<ul style="list-style-type: none"> • Government Coordinator for Infrastucture • National Data Center • Intra-Government National Network • Government Service Bus
CMEA	Online Single Submission (OSS)
BSSN	Cyber Security Infrastructure
BPPT	R&D



Some Local Governments have successfully created hundreds of services and applications with local specific across the nation (Smart City).

Public Administration

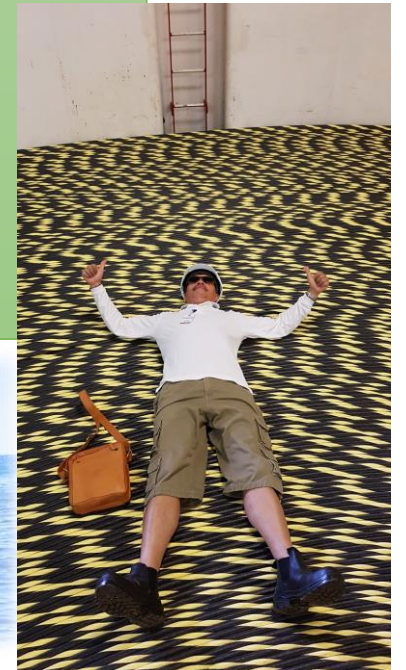
- Management Integration and Data Exchange Application / *Aplikasi Manajemen integrasi dan pertukaran data* (MANTRA)
- Office Administration MAYA / *Administrasi Perkantoran MAYA* (siMAYA)
- Civil Servant Mail / *Pegawai Negeri Sipil Mail* (PNS Mail)
- Private Network Security Box (PNS Box)
- Data Center e-Government
- Planning and Information Performance Budget / *Perencanaan dan Informasi Kinerja Anggaran* (KRISNA)
- Regional Incentive Funds / *Dana Insentif Daerah* (DID)
- e-budgeting and e-planning

- 1. Leadership (strong and smart);**
- 2. Maintaining Reform Process (eGov is an important step of reforms);**
- 3. Making Collaboration and Sync happened (among government institutions) ;**
- 4. Having Strategic Investment;**
- 5. Encouraging (local government and People participation);**

KEY CHALLENGES (nothings really new)

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1. Maintaining a good quality of web services, updated;
 2. Putting killer applications to work;
 3. Broadband penetration (fixed and mobile);
 4. Digital divide, still. For remote and unserved areas;
 5. Organizational barriers;
 6. Funding;
 7. Privacy;
 8. Security;
 9. Integration into Smart City;

1. Connecting country with fiber optic + satellite;
2. A better mobile services;
3. Provision of Wifi, especially in government office areas and business districts;
4. Best policies on OTT, cloud services, and Internet and Service Providers;
5. Reliable electricity sources;
6. Secured Infrastructure and Networks.



We might have been exposed to today's technology savvy, do not forget the locals, especially their wisdom, such as a wide rice paddy field web in Ruteng, Nusa Tenggara Timur (NTT), Indonesia!!

Always remember the path of **Data – Information – Knowledge – Wisdom!**

Ang Lahat Sabuhay Ko, Dahil Saiyo

Lyrics of "Dahil Saiyo" PH Oldies Love Song

SALAMAT!!

Foto: Web Paddy Field, NTT, by Iguh



Eddy Satriya

- 1988 :Graduated from Bandung Institute of Technology (Telecommunication Engineering)
- 1997 :Graduated from University of Connecticut (MA in Economics)
- 1989-90: Program Management Consultancy (PMC-IV) for Telecommunication Development
- 1990-2005: Working in Bappenas (The National Development Planning Agency).
- 1995 : Secretary to Board of Commissioners of PT.Telkomsel
- 1997- present: Visiting Lecturer in University of Indonesia, University of Pelita Harapan, and ITB
- 2002-present : Actively writes various article and column in national papers and magazines.
- **2005 (Dec)-present: Working in Coordinating Ministry for Economics Affairs**
- **2011 - 2014: Head of International Cooperation Division, Secretariat of KP3EI**

Contact:

satriyaeddy@gmail.com

eddysatriya@ekon.go.id

62.21.3511466 – T

62.21.3511464 – F

Recent publications are available on:

eddysatriya.wordpress.com