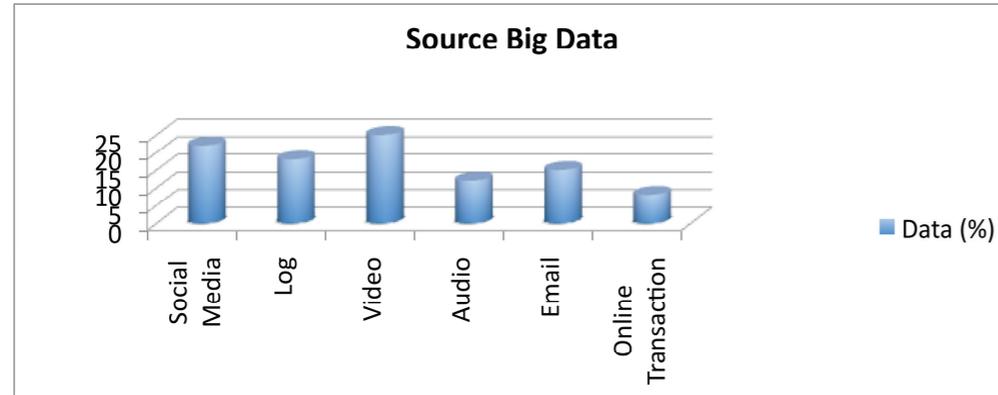


## Big Data in Indonesia

### Big Data Source



### Dimension

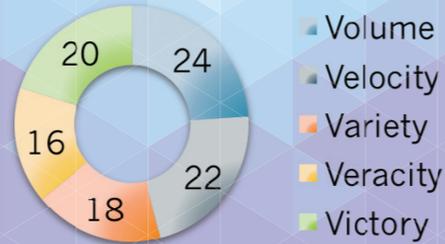
Big Data in Indonesia not only in 4 dimensions, but 5:

- Volume
- Velocity
- Variety
- Veracity
- Victory

Volume dimension still on the top, and followed by victory and velocity. Victory dimension appear because who can turning big data to useful information can win the business.

Based on research in 2014.

### Dimensi Big Data



## Cyber Security

Cyber attack in the last three years tend to increase. In every month, there are 1.100 hit in average, and the highest is in May 2012, which there are 3.126 attack to the .id domain

Source: IDSIRTII

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# Indonesia ICT Institute



## About Indonesia ICT Insitute

The development of Information and Communication Technology (ICT) in Indonesia to move quickly and become the enabler of other sectors in promoting Indonesia. This development is not only related to technology, but also business, regulatory, legal and community empowerment. All will be interrelated, share and need each other in information technology and communication for the development of economic, social, cultural and better quality of life for all concerned, all stakeholders.

As part of the information technology industry stakeholders-that involving telecommunications, information technology and broadcasting-Indonesia ICT Institute is present. Indonesia ICT Institute expected to attend as an institution together with other stakeholders to promote the ICT sector in Indonesia in order to have wider benefits and become an enabler of sustainable development.

Indonesia ICT Institute actively participate to promote ICT through research, consultation, empowerment and development of information and communication technology that involves all ICT stakeholders. Thats because, ICT has a significant impact on business activities, new paradigm how to communicate and new technological developments that inevitably make policy and arrangements should be dynamic. This is where Indonesia ICT Institute want to be part of the trip ICT utilization, which in turn benefits the development of ICT in the country and the people of Indonesia

## ACTIVITY

To realize the vision and mission developing Indonesia ICT beneficial for the welfare of the Indonesian people, as part of a global community, Indonesia ICT Institute run several strategies to conduct research related to ICT, empowerment, education and socialization for the stakeholders associated with the development and progress of ICT and conduct various discussions that are beneficial to the development of ICT in the country. Thus, ICT is not the ultimate goal but rather a tool for change, get a life and a better civilization.

Indonesia ICT Institute activities include:

- Presence of several forums
- Published news online about ICT in Indonesia (www.majalahict.com) and monthly Majalah ICT e-magazine
- Some research and consultation about information technology, broadcasting, telecommunication, internet activity, security, big data and cloud computing.
- Actively giving input/opinion in public consultation for some existing or new regulation about ICT in Indonesia.

## Some Projects

Associated with the activities carried out, following the achievements that have been Indonesia ICT Institute contributed to the development of information and communication technology in Indonesia:

1. Research on the price of 3G spectrum and block structuring strategies 3G (IMT-2000). Has been presented at the Seminar on 3G in, Jakarta, June 2012
2. Establish Indonesia LTE Forum, as a place to build and monitor the LTE ecosystem in Indonesia, in May 2012
3. Research on Big Data in Indonesia. Has presented the Workshop on Big Data, in Jakarta, November 2012
4. Publish monthly NewsLetter, from September to December 2012
5. Responding to the needs of readers to know further detail about the development of ICT Indonesia, monthly NewsLetter transforming into Majalah ICT. Majalah ICT published in two versions, the e-magazine "Majalah ICT" and online news in www.majalahict.com. E-Magazine "Majalah ICT" published monthly in two languages: Indonesian and English
6. Conducting Discussions "Where Homes for LTE?", in Jakarta, January 2013
7. In providing consultation, Indonesia ICT Institute also registered and partnering with world consulting agencies, to provide views on investment, regulatory, market and become the liaison between foreign investors with local partner
8. Indonesia ICT Institute also became a partner of the 7th IQPC Mobile VAS Seminar, which was held in Jakarta, in March 2013
9. Actively also shared information on the development of ICT Indonesia to international forums such as the LTE Forum, Middle East Comm Telco Summit and others
10. Indonesia ICT Institute actively become a partner in the Indonesia ICT Expo, Big Data Summit, Asia Green IT Conference 2013 in Kuala Lumpur Malaysia (2013.2014), and became the agency of ASEAN to the implementation of the Local Content Development Workshop (2013) and MRA Workshop in ASEAN (2014)
11. Establish some forum for empowerment, sharing knowledge and anticipation of regulation on some issues, such as: Indonesia M2M / IOT Forum, Indonesia Digital Payment Forum, Indonesia IMT-2020 / 5G Forum and formed the Association of Online Merchants Indonesia (APOSII).

## Strategic Partners

In carrying out its functions and implement some projects, as is done and for its own sake, Indonesia ICT Institute also has strategic partners who are partners in the discussions, working on several projects as well as cooperation partners.

Some of our strategic partners include:

- iTrain Malaysia
- ASEAN
- New Street Research, Inggris
- International Telecommunication Union (ITU)
- DCD Converged
- Bappenas
- Olygen, Malaysia
- ICT IndoExpo
- Terrapinn
- Ministry of Communication and IT
- Ministry of Youth and Sport
- Asia IoT Business Platform

## Indonesia ICT Indicator

Indonesian population : around **237,5 millions** (2010)

Based on ITU Report, Indonesian celullar subscribers in 2015 around **330 millions** users

Internet users in Indonesia around **82 millions**

Facebook active users until June 2014: **69 millions**

More than **7,8 millions** Kaskus (Indonesian local social network) member

Source: Gizmaestro.com. 2012

Average rate internet connection in Q4-2014 is **1,9 Mbps** (#122) with the peak speed **13,5 Mbps** (#118)

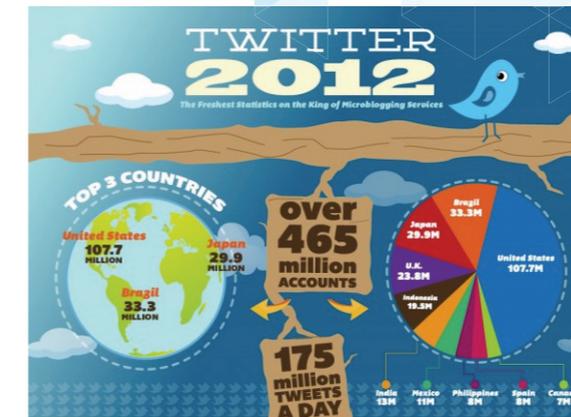
Source: Akamai, Q4-2014

**83 %** internet user connected to the social media

There are **520 thousands** SME, **117 SOE**, **4900** schools,

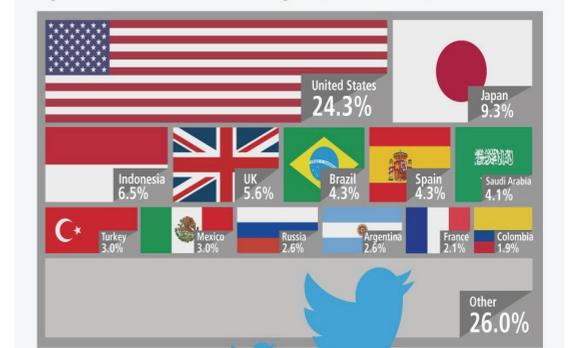
**3.000** University and more than **one thousand** hospital

E-identity (E-KTP) data record in November 2013: **175.614.383**.



## Twitter's Top 5 Markets Account for 50% of Active Users

Regional breakdown of Twitter's active tweeting users (as of October 2013)



statista  
The Statistics Portal @StatistaCharts

Source: PeerReach