



STATISTICS INDONESIA



# ICT Development Measure in Indonesia

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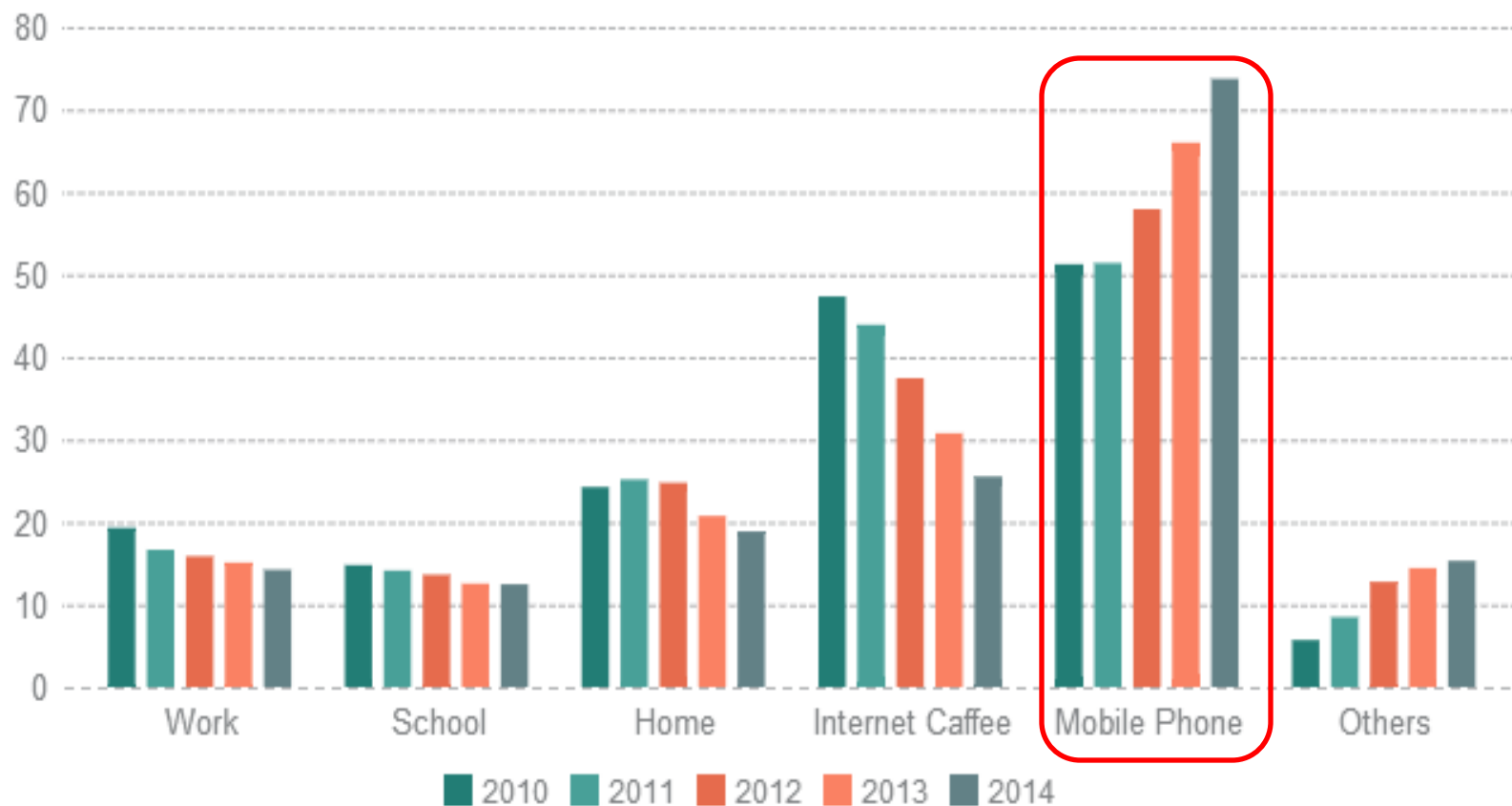
# What is SUSENAS?

## National Socio-Economic Survey (SUSENAS):

- Every 3 months and every 3 year (module/special subjects).
- 300,000 households in 34 Indonesia provinces.
- 3 stages sampling design.
- Door to door interview
- Used by internal (BPS), external (Bappenas, ITU, UNICEF, MDGs,etc)

Indicators	SUSENAS	ITU MANUAL
Proportions of households with a radio (available for individuals)	√	√
Proportions of households with a television (available for individuals)	√	√
Proportions of households with telephone	√	√
Proportions of households with a computer	√	√
Proportion of individuals using a computer	√	√
Proportions of households with internet	√	√
Proportion of individuals using the internet	√	√
Proportion of individuals using the internet, by location	√	√
Proportion of individuals using the internet, by type of activity	√	√
Proportion of individuals using a mobile cellular telephone	√	√
Proportion of household with internet, by type of service	-	√
Proportion of individuals using the internet, by frequency	√	√
Proportion of households with multichannel television, by type	-	√
Barriers to household internet access	-	√
Individuals with ICT skills, by type of skills	-	√
Household expenditure on ICT	-	√
Proportions of individuals with active mobile cellular telephone number	√	

# Internet Access by Location/**Frequency**



Source: BPS, National Social-Economic Survey, processed

## Mobile Phone User, 2013



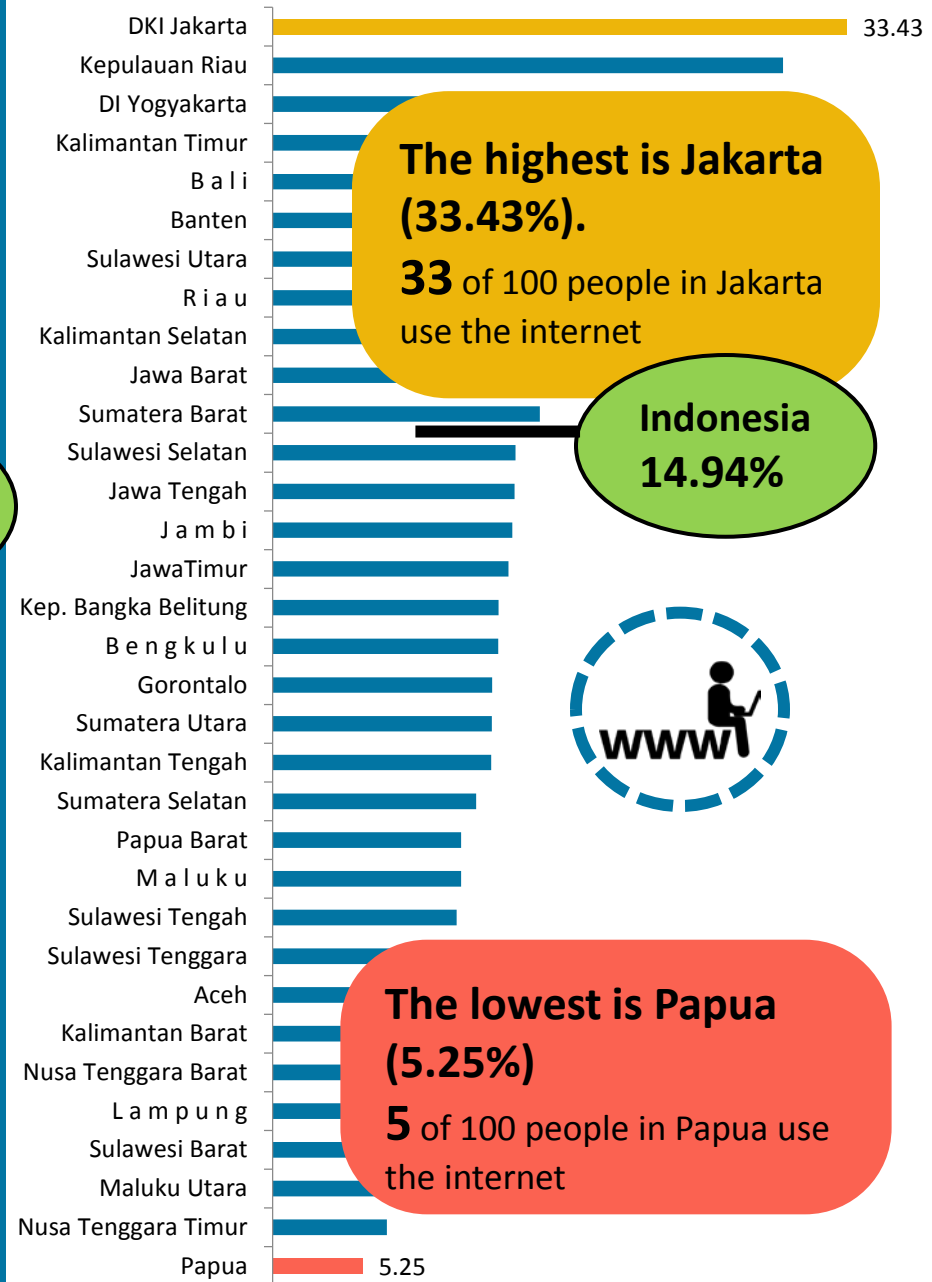
**The highest is Jakarta (70.77%).**  
**70** of 100 people in Jakarta use mobile phone

**Indonesia 49.85%**

**The lowest is Papua (26.05%)**  
**26** of 100 people in Papua use mobile phone



## Internet User, 2013



**The highest is Jakarta (33.43%).**  
**33** of 100 people in Jakarta use the internet

**Indonesia 14.94%**

**The lowest is Papua (5.25%)**  
**5** of 100 people in Papua use the internet





# ICT Household Data Collection

Pelopor  
Data Statistik  
Terpercaya  
Untuk Semua

ICT household data was collected throughout National Socio-Economic Survey (Susenas)

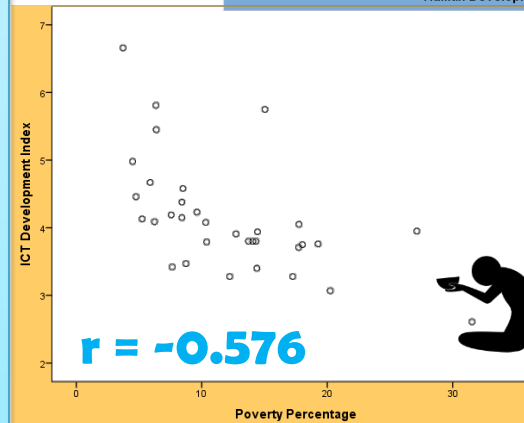
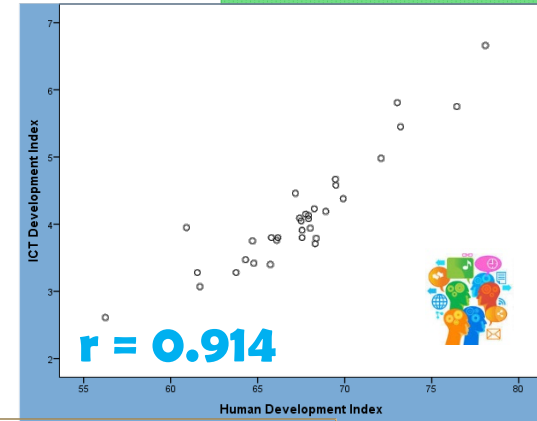
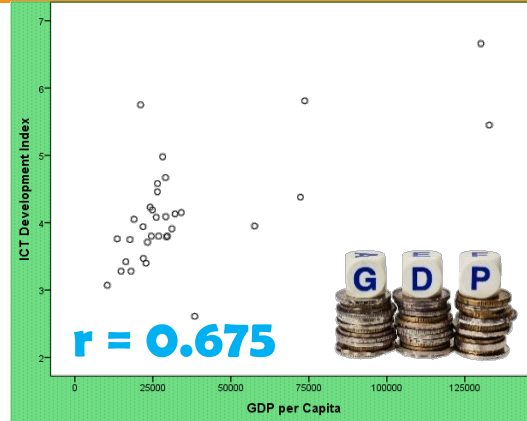
- Frequency: SINCE 2012, Susenas core data held every 3 months (quarterly), in March, June, September, and December
- Coverage: Susenas 2014 was carried out in all Indonesia's provinces (34) with a sample size 300,000 households in 497 districts/municipalities, excluding households belonging to specific census block and specific households such as orphanage, residence hall, dormitory, hotel, prison, military barracks, and other similar households if they are located in ordinary block census.
- All sample of households were enumerated by using QUESTIONAIRE named VSEN2014.K.
- This survey was conducted by the interview approach where enumerator met face to face with respondents.



# The Importance of ICT Development Indicators

Pelopor  
Data Statistik  
Terpercaya  
Untuk Semua

ICT DI

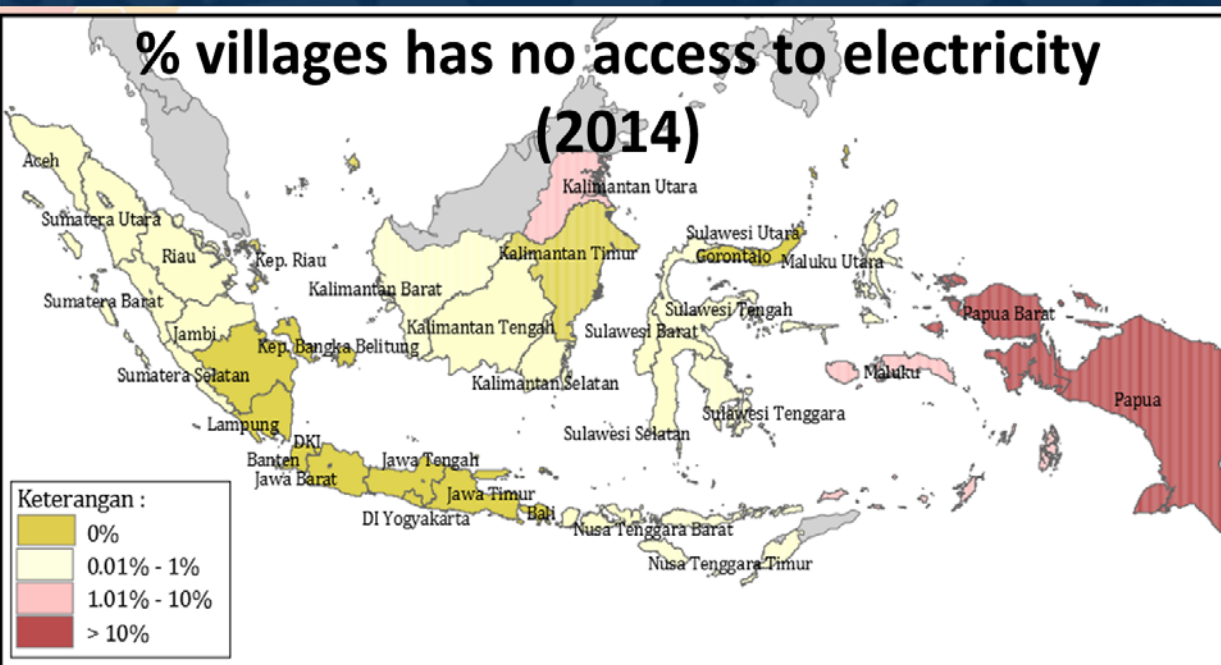


Pearson  
Correlation

Spearman Rank Correlation between sub-national IDI and other indicators:

1. IDI vs HDI : 0.839
2. IDI vs GDP per Capita: 0.552
3. IDI vs Poverty (Percentage of Poor People): -0.657

# STATISTICS RELATED ICT INDICATORS: CHALLENGES and WAY FORWARD



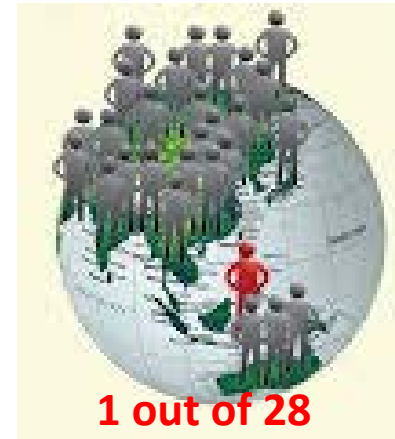


# Challenges & Way Forward

Pelopop  
Data Statistik  
Terpercaya  
Untuk Semua

## • Challenges

- Data Quality: QAF (Quality Assurance Framework)
- Improve data collection for ICT Statistics Indicators:
  - Huge Population (> 256 Million), Wide Areas (>13.000 islands), remote areas,
  - Budget constraint, need more collaboration (Public-Private Partnership)



World Population

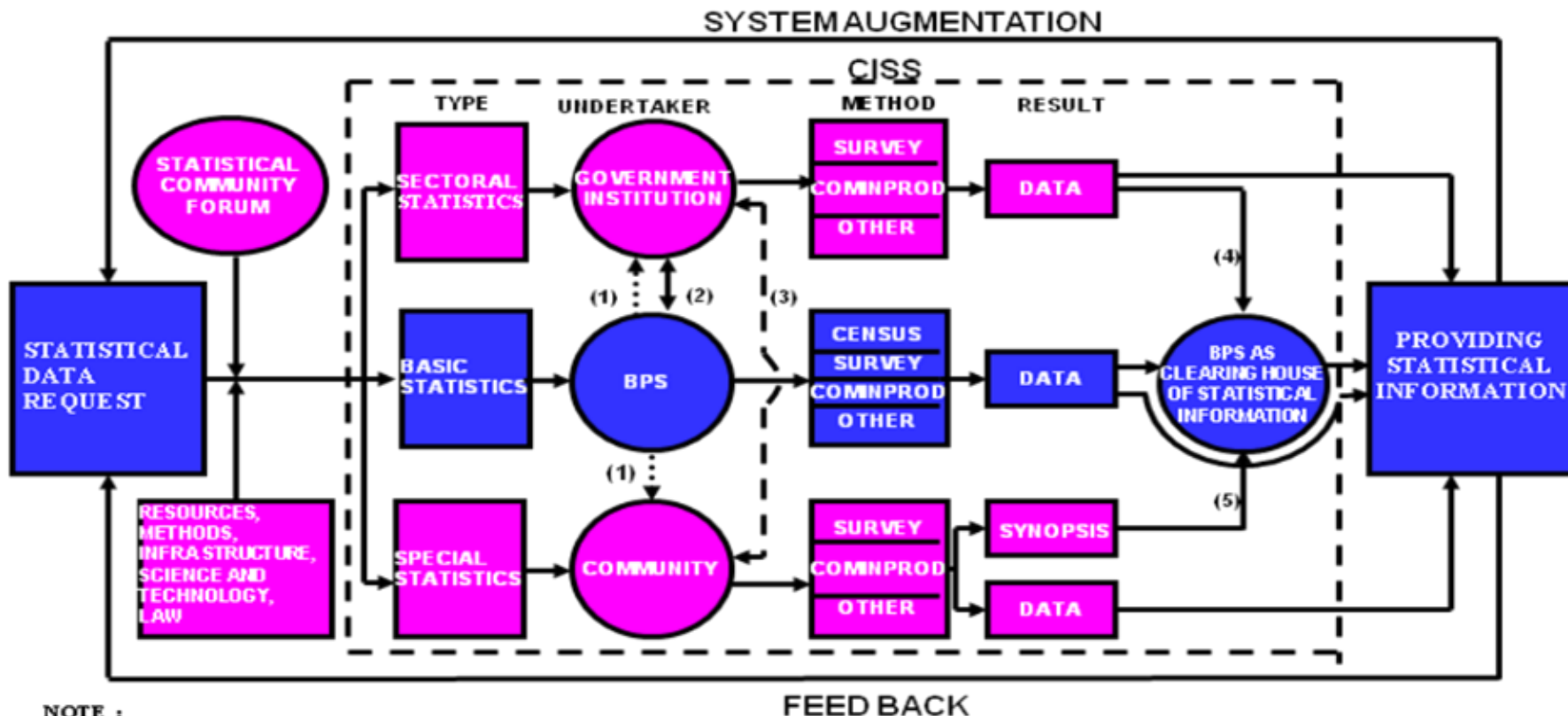
## • Way forward:

- ✓ Apply GSBPM for conducting business process in ICT Statistics
- ✓ Apply CAPI for ICT Statistics data collection
- ✓ Strengthening collaboration among Stakeholders of ICT, to improve the provision of statistics
- ✓ Big Data for ICT statistics development





# Way Forward: Statistics Law No 16/1997 NATIONAL STATISTICAL SYSTEM (NSS)



**NOTE :**

- CISS** : Coordination, Integration, Synchronization, and Standardization.
- COMINPROD** : Compilation of Administrative Product
- (1) : BPS actives to coordinate statistical undertaking
- (2) : Government Institutions submit survey plan and BPS provides recommendation.

- (3) Government Institutions give the result to BPS.
- (4) Private/Community submit synopsis to BPS.
- (5) Government Institutions and private/community are coordinated and cooperated together by BPS.

# Thank You

Any questions and suggestion, email to:  
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