Indonesia’s 2020 PC and The Utilization of Non-Traditional Data/Methods during Covid-19

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COVID-19 HAS AFFECTED MANY ASPECTS

Governments' Budget Efficiency
Optimizing the Use of Information Technology
Adjustment of Statistics Business Process Activities
Implementation of Flexy Work or WFH

Impacts on Data Collection Mode

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<td>(inflation, economic growth, poverty, gini ratio, unemployment, HDI)</td>
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- Zonation for Data Collection Mode
- Implementation of Drop off-Pick Up (DOPU)

- Face-to-face interview: when eligible
- Telephone interview
- Web crawling (price data, etc)

Online Survey

- Socio-Demographics Survey on Covid-19 Impact (87,379 respondents)
- Survey of Covid-19 Impact on Business Actors*) (34,559 respondents)

Big Data

- Google Mobility Index
- E-Commerce Data from Online Marketplace
- Flight Tracker
- Accommodation
- Job vacancy
- Mobile Phone Data
- Satellite Images

*) Business Actors: Micro and Small Establishment (MSE) and Medium and Large Establishment (MLE)
### 2020 POPULATION CENSUS

**INITIAL PLAN**

**Online Population Census**
February 15th - March 31st, 2020

**Field Enumeration**
Period: July 2020
- Interviews in all regions (PAPI and CAPI)
- Number of census taker +/- 400,000
- Face-to-face census taker training
- Census taker’s equipment: Vest, Bag, & stationery

**ADJUSTED PLAN**

**Online Population Census**
February 15th – May 29th, 2020

**Field Enumeration**
Period: September 2020
- 3 Zones:
  - Zone 1 (23.72%): Ground check + DOPU
  - Zone 2 (74.76%): Ground check
  - Zone 3 (1.52%): Ground check + Interview
- Number of census taker +/- 208,000
- Online distance training & self learning
- Vest, Bag, & stationery + Personal Protective Equipment (Face Mask, Face Shield, glove, hand sanitizer and rapid tests

**RESULT/IMPACT**

Total Response: 51.36 Million People (19.05%)

- The output variables in zone 2 will be very limited → dissemination challenges
- The census taker’s burden increases
- Census taker’s knowledge will vary
- Additional budget for fulfilling COVID-19 health protocol.
2020 POPULATION CENSUS

INITIAL OUTPUTS

Outputs from Population Register (2020)

- Population of Indonesia by:
  - Sex
  - Residence status
  - Ownership of Person ID

Outputs from Short Form Quest (2020)

- Housing characteristics: 5 questions
- Individual characteristics all ages: 13 questions
- Individual characteristics 5+: 17 questions

ADJUSTED OUTPUTS

Outputs from Population Register (2020)

- Population of Indonesia by:
  - Sex
  - Residence status
  - Ownership of Person ID

Outputs from Short Form Quest (2020)

- Housing characteristics: 5 questions
- Individual characteristics all ages: 13 questions → 10 questions
- Individual characteristics 5+: 17 questions → 11 questions

(no changes)
Survey on the Covid-19 Impact

BPS is trying to take a role in responding to the current critical situation by producing additional statistics to support the handling acceleration of the Covid-19 pandemic in Indonesia.

Socio-Demographic Survey

Respondent: 87,379 people

- 72% of respondents do Physical Distancing
- Women are more obedient in Applying Healthy Behavior
- Respondents who are older are more complying with health protocols (using mask, washing hands, physical distance, etc.).
- Respondents in all income groups experienced a decrease in income (especially in the low income groups)
- Covid-19 pandemic affects respondent’s expenditure pattern (e.g. 73% of respondents said there was an increase on medical care spending)

Impact on Business Actors Survey

Respondent: 34,559 establishment

- All sectors experienced declining income, especially establishments in the Accommodation and Food Service Activities sector.
- These decreased income mainly caused by declining demand from their customers since they are also affected by Covid-19.
- In general, establishment’s efforts to maintain their employees during Covid-19 pandemic is by reducing work hours
- Establishments in the Manufacturing sector tend to reduce their employees during the pandemic
- Establishments in the Water supply, Sewerage, Waste Management and Remediation Activities sectors tend to operate as usual during the Covid-19 pandemic
2 days before Eid al-Adha, activities at the grocery store increased 3% – 8% to the baseline. The similar pattern showed prior to Eid Al-Fitr.

Source: https://www.google.com/covid19/mobility

The number of domestic departures flight from Soekarno Hatta Airport increased from 67 flights per day in June 2020 to 118 flights per day in July 2020.

Source: https://www.flightstats.com/v2
In general, there has been an increase in online shopping activities after large-scale social distancing policy implementation. The care and beauty product experienced the highest increase.

Since the Covid-19 pandemic in March 2020, the number of job vacancies in Indonesia has decreased.

Source: Jobs.id
CONCLUDING REMARKS

✓ In the midst the pandemic, **BPS have a strong commitment to keep producing strategic indicators** (inflation, economic growth, poverty, gini ratio, unemployment, HDI).

✓ Covid-19 and Government’s Refocussing Budget Policy push BPS to **adjust statistics business processes** in which one of them is Indonesia’s PC2020.

✓ Despite Covid-19 negative impact on the socio-economics situation and the statistics activities, it has a positive impact to **make business process more efficient by utilizing technologies**.

✓ In this situation, the use of Big data becomes important ➔ Need to immediately build a **manual standard from the UN** to maintain data comparability.
Mari Bersama
#MencatatIndonesia

Population Census
September 2020

Thank You