STATISTICS INDONESIA

Sensus Penduduk 2020
#MencatatIndonesia

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

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Kecuk Suhariyanto
Chief Statistician

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image source: https://megapolitan.kompas.com/read/2020/03/02/14062251/indonesia-positif-corona-warga-jakarta-diimbau-rajin-cuci-tangan-dan

COVID-19 HAS AFFECTED MANY ASPECTS

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

Impacts on Data Collection Mode

2020 Population Census

Strategic Indicators
(inflation, economic growth, poverty, gini ratio, unemployment, HDI)

BPS Initiative

Business Process Adjustments

- ✓ Zonation for Data Collection Mode
- ✓ Implementation of Drop off-Pick Up (DOPU)

Adjustment of data collection methods

- ✓ 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 [1]

INITIAL PLAN	ADJUSTED PLAN	RESULT/IMPACT
Online Population Census		
February 15th - March 31st, 2020	February 15th – May 29th, 2020	Total Response: 51.36 Million People (19.05%)
Field Enumeration		
Period: July 2020	Period: September 2020	
Interviews in all regions (PAPI and CAPI)	3 Zones: ✓ Zone 1 (23.72%): Ground check + DOPU ✓ Zone 2 (74.76%): Ground check ✓ Zone 3 (1.52%): Ground check + Interview	The output variables in zone 2 will be very limited → dissemination challenges
Number of census taker +/- 400,000	Number of census taker +/- 208,000	The census taker's burden increases
Face-to-face census taker training	Online distance training & self learning	Census taker's knowledge will vary
Census taker's equipment: Vest, Bag, & stationery	Vest, Bag, & stationery + Personal Protective Equipment (Face Mask, Face Shield, glove, hand sanitizer and rapid tests	Additional budget for fulfilling COVID-19 health protocol.

2020 POPULATION CENSUS [2]

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

✅ **(no changes)**

Outputs from Short Form Quest (2020)

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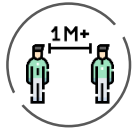- ✓ Individual characteristics 5+: ~~17 questions~~ → **11 questions**

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

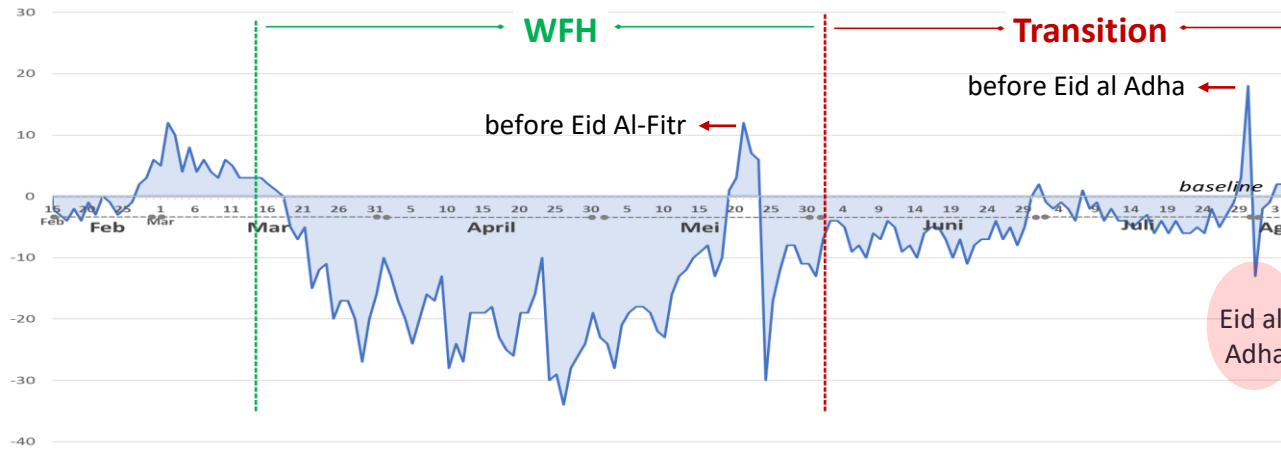Establishments in the Manufacturing sector tend to reduce their employees during the pandemic

Establishments in the Water supply, Sewerage, Waste Management and Remediation Activities sectors tend to operate as usual during the Covid-19 pandemic

Big Data [1]

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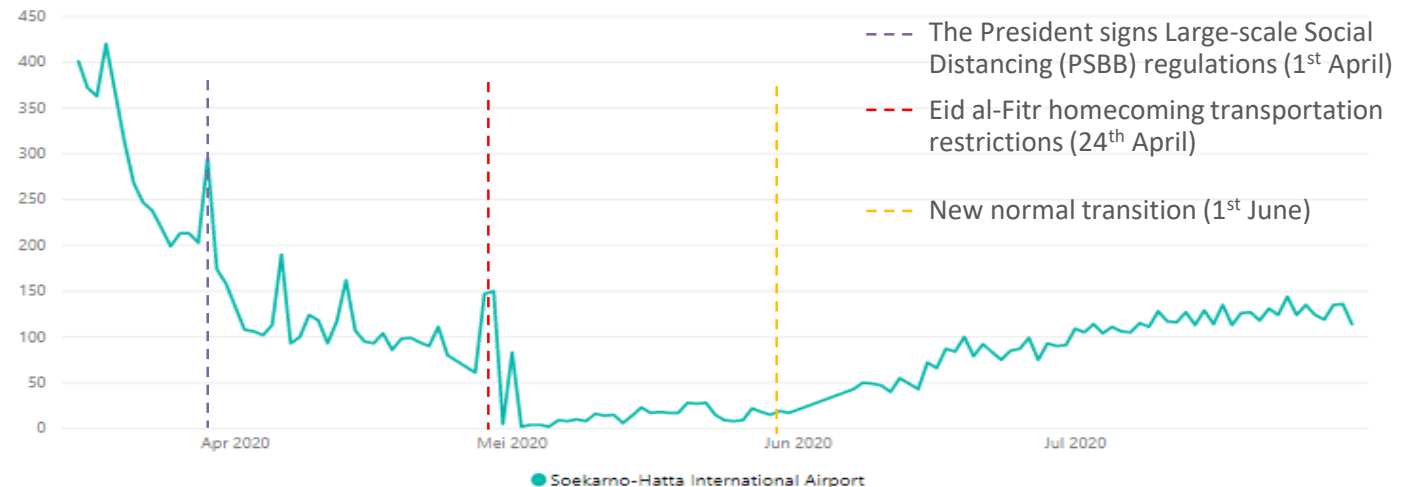
Source: https://www.google.com/covid19/mobility

Flight Tracker: Number of Domestic Departures Flight from Jakarta (15th March – 31st July, 2020)
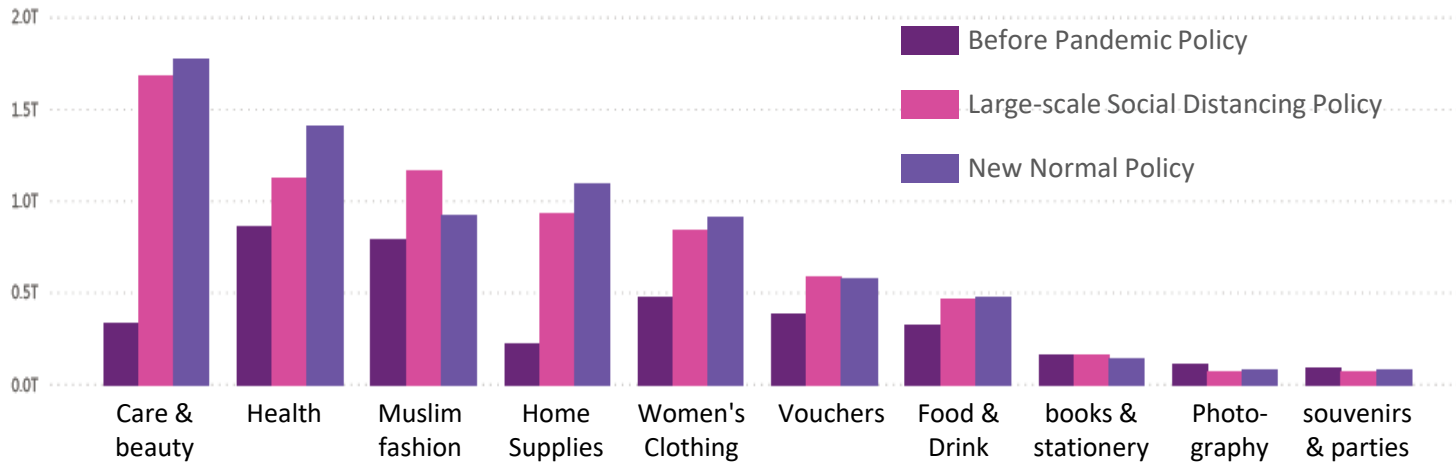
The number of domestic departures flight from Soekarno Hatta Airport increased from 67 flights per day in June 2020 to 118 flights per day in July 2020.

Source: https://www.flightstats.com/v2

The President signs Large-scale Social Distancing (PSBB) regulations (1st April)

Eid al-Fitr homecoming transportation restrictions (24th April)

New normal transition (1st June)

● Soekarno-Hatta International Airport

Big Data [2]

E-commerce Data: Demand Shifting by Product Category in the Online Marketplace

Legend:
- Before Pandemic Policy
- Large-scale Social Distancing Policy
- New Normal Policy

Categories (x-axis): Care & beauty, Health, Muslim fashion, Home Supplies, Women's Clothing, Vouchers, Food & Drink, books & stationery, Photo-graphy, souvenirs & parties

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
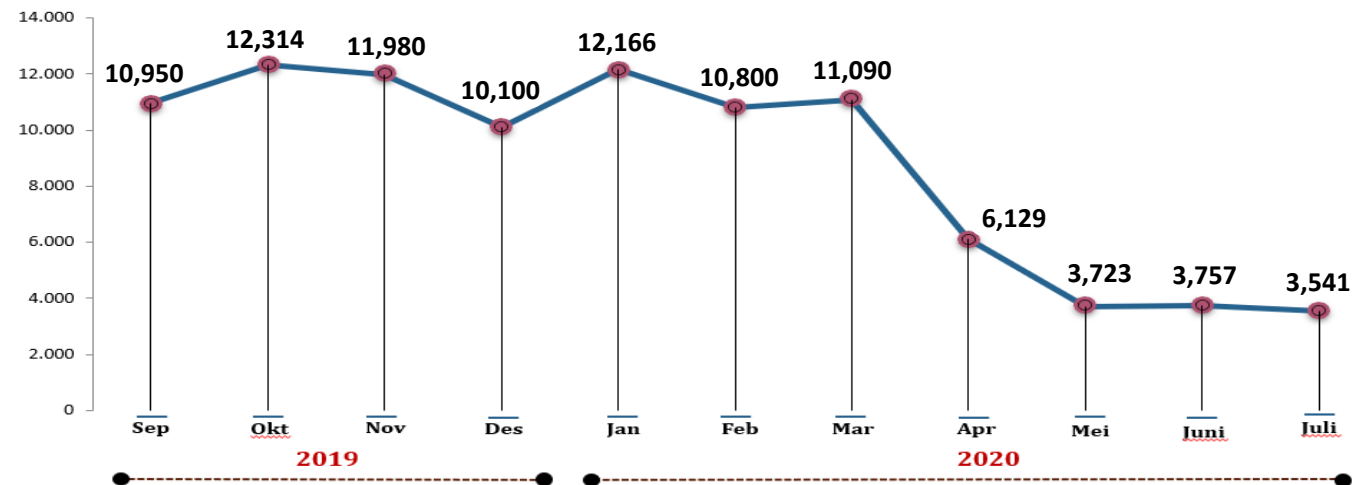
Source: Marketplace Website in Indonesia

Job vacancy: Number of Job Vacancies, September 2019 - July 2020

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

Source: Jobs.id

Month	Value
Sep	10,950
Okt	12,314
Nov	11,980
Des	10,100
Jan	12,166
Feb	10,800
Mar	11,090
Apr	6,129
Mei	3,723
Juni	3,757
Juli	3,541

2019   2020

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