



Virtual Event 15-18 June 2020

2020 Asia-Pacific Statistics Week

Leaving no one and nowhere behind

Harmonizing Business-based Surveys based on Statistics Indonesia's Business-based Survey BPR (Business Process Reengineering)

Action Area D. Modernizing statistical business process

**Changing what we do: how national statistical systems are
transforming statistical business for the better**

Presenters:

Dewi Kartika Megasari; Shafa Rosea Surbakti; RR. Nefriana
BPS-Statistics Indonesia

#apstatsweek2020

#apstatsweek2020





Virtual Event 15-18 June 2020
**2020 Asia-Pacific
Statistics Week**

Leaving no one and nowhere behind

ISSUES

- **Silo statistical business process**

Subject Matter 1	Planning	Design	Collect	Process	Publish
Subject Matter 2	Planning	Design	Collect	Process	Publish
Subject Matter 3	Planning	Design	Collect	Process	Publish

- **High respondent burden** caused by overlapping surveys that are targeted to the same respondents
- **Low response rate** especially on business-based surveys



Virtual Event 15-18 June 2020
**2020 Asia-Pacific
Statistics Week**

Leaving no one and nowhere behind

A GLIMPSE OF BPS MODERNIZATION

GSBPM

GSIM

GAMSO

SBFA (Statistical Business Framework Architecture)
underlying structure for BPS modernization programme
with the overall aim for improving quality of BPS statistical products

STATISTICAL TRANSFORMATION

Conduct business process reengineering to improve efficiency of current statistical business processes (from silo to more integrated)

IT TRANSFORMATION

Develop corporate statistical infrastructure to support the new, more integrated approach of business processes

HUMAN RESOURCE TRANSFORMATION

Including organizational alignment to ensure BPS human resources are in accordance with the new business process and IT

#apstatsweek2020



**DECADE
OF
ACTION**

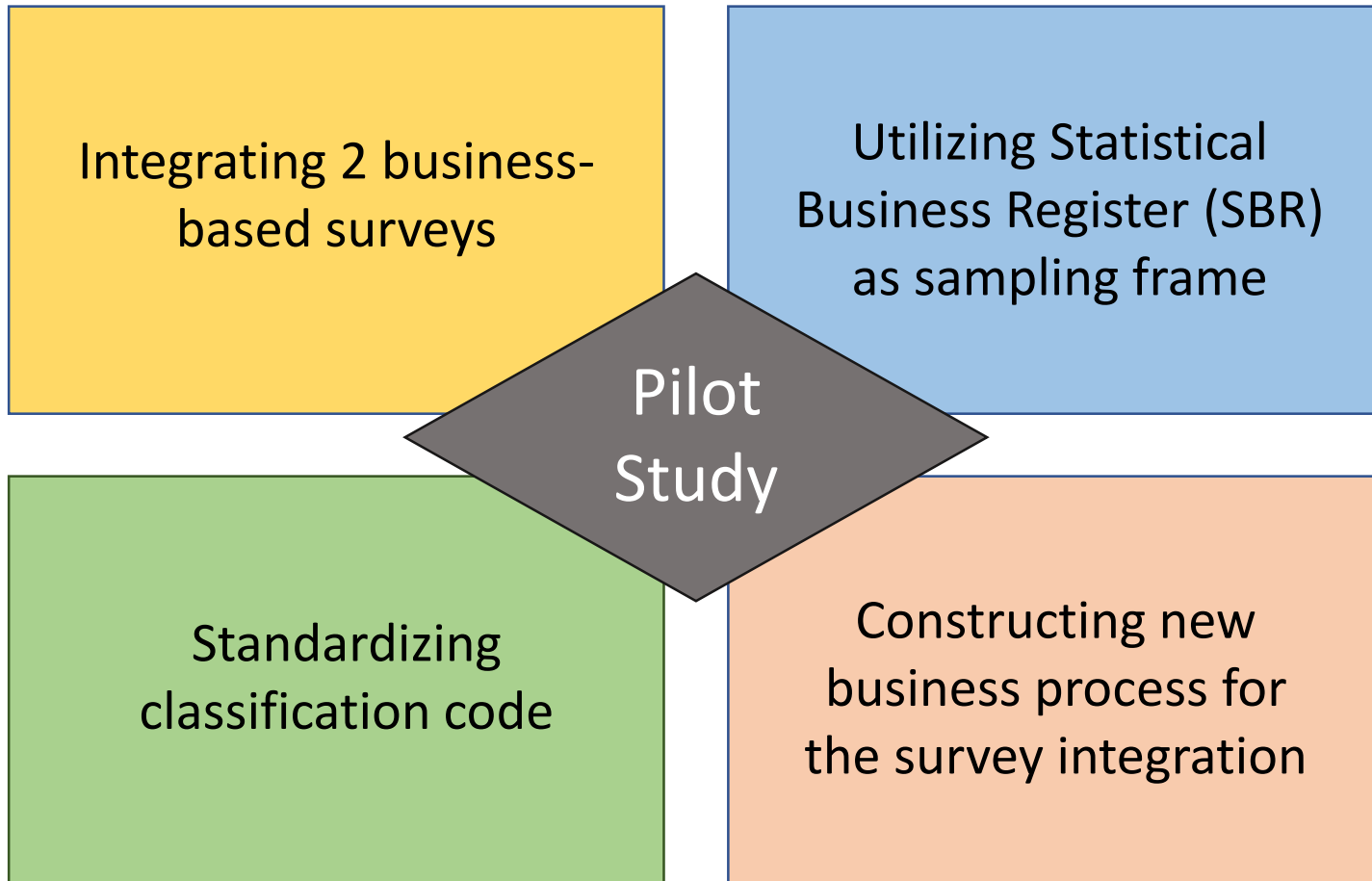




Virtual Event 15-18 June 2020
**2020 Asia-Pacific
Statistics Week**

Leaving no one and nowhere behind

WHAT WE DO





Virtual Event 15-18 June 2020
**2020 Asia-Pacific
Statistics Week**

Leaving no one and nowhere behind

THE PILOT STUDY

Large-Medium
Industry Survey
(IBS)

Producer Price
Survey
(SHP)

Both surveys have the most similarities
in terms of:

- Questions
- Sampling unit

- Update the SBR database from various sources
- Sample size: 300 samples of large-medium business in Banten Province
- Period: Sep – Nov 2019

Classification of commodities was standardized based on Indonesia Commodity Classification (KBKI)—derived from Central Product Classification (CPC)

Multimode data collection:

- Paper-based (PAPI)
- Web-based (CAWI)



Virtual Event 15-18 June 2020

2020 Asia-Pacific Statistics Week

Leaving no one and nowhere behind

CHALLENGES

Despite the similarities, the two surveys also posses differences as follows:

Difference	IBS	SHP	Integrated Survey
Sampling Methodology	<u>Probability sampling</u> with a cut-off point to ensure representativeness of the samples in each province	<u>Purposive sampling</u> to ensure prices of the basket commodity (145 commodities) are obtained	<u>Probability sampling</u> by taking into account both representativeness issue and the basket commodity
Time reference	Collect data of commodities produced in the <u>previous month</u>	Collect prices of commodities produced in the <u>current month</u>	Collect <u>previous month</u> production and prices data
Classification code of commodities	Indonesia Industrial Classification (<u>KBLI</u> — which is a classification for industries, not for commodities)	Has <u>its own classification code</u> derived from KBLI	Commodity code were standardized using Indonesia Commodity Classification (<u>KBKI</u>)



Virtual Event 15-18 June 2020
**2020 Asia-Pacific
 Statistics Week**

Leaving no one and nowhere behind

RESULTS OF THE STUDY

Response rate and basket commodity



Response
 rate



Complete
 data



Only 43 commodities (out of 145 in the
 basket) were fulfilled

RESPONDENTS' FEEDBACK

Data collection method preference



CAW

51%



49%



PAPI

Question clarity

97% respondents
 considered the
 questions CLEAR



3% respondents
 requires more
 information for
 questions about prices

#apstatsweek2020



DECADE
 OF >>>
 ACTION



UNITED NATIONS
ESCAP
 Economic and Social Commission for Asia and the Pacific



UKaid
 from the British people



Virtual Event 15-18 June 2020
**2020 Asia-Pacific
Statistics Week**

Leaving no one and nowhere behind

LESSONS LEARNT

- The number of **establishments participating** in the survey was **very low**. Several reasons causing this problem could be:
 - ✓ **the lack of socialization** about the survey
 - ✓ **establishments might think** that participating in BPS **surveys was not beneficial**
 - ✓ According to several respondents, it is **important for BPS enumerators to have good appearance and communication skill**
- According to the SMAs, the main reason for the decreasing response rate in October and November was because **establishments prefer to provide the data quarterly** as they usually do in IBS and SHP.
- Despite the differences between the two surveys, **integration of the IBS and SHP is very possible to do by enforcing the sampling methodology** to ensure the objectives of the surveys are met. This also applies for conducting integration of other surveys in the future.
- To reduce respondent burden in business-based surveys, **Statistical Business Register is one of the most effective modernization tools for BPS**. Therefore, its development and regular update is substantial to undertake.



Virtual Event 15-18 June 2020

2020 Asia-Pacific Statistics Week

Leaving no one and nowhere behind

THANK YOU

www.bps.go.id

#apstatsweek2020



DECADE
OF >>>
ACTION



#apstatsweek2020