Harmonization and Integration of Internal Data Sources in Constructing Statistical Business Register (SBR) Initial Data in BPS - Statistics Indonesia

Abstract

The economic movement changes so fast so that it needs to be monitored and anticipated continuously through a ‘live’ statistics. To provide official statistics, Statistics Indonesia—known as BPS—start developing Statistical Business Register (SBR) in 2013. For the first time designing, developing, and implementing SBR, the preparation initial data of SBR is one of important aspect to consider. To anticipate data inconsistency issues occurred in the developing process up to SBR fully established, internal data sources that available from business as usual must be identified as SBR initial data.

BPS is used to have several business directories maintained by survey areas as a baseline to produce survey frames. The maintenance of the business directories is used to be silo and independent based on industry. Since SBR expected to be centralized statistical infrastructure, one of challenges is to harmonize and integrate the business directories into SBR to be used efficiently for master frame of business surveys. The main purpose of the harmonization and integration is to achieve coherent and address data issues of the migration process from silo to centralized. The harmonization process include standardization in definition of the unit and coverage, classification that used, and also characteristics to record. With the starting application of the changes in the base year of Indonesia’s GDP based on the System of National Accounts (SNA) 2008 in 2014 is the right moment so that each statistical activity can begin using classification, new concepts definitions and statistical units that are standardized according to the SNA 2008. The integration process include data gathering, matching to avoid duplicate, and profiling. The harmonization and integration process is supported by centralized information system to facilitate the process. The result of the both process then validated through confirmation to the business or ground check. Economic Census that going to be held in 2016 is a milestone for BPS SBR to get the unit full coverage and confirmed in the field. With
the initial data that clean defined, BPS SBR is ready to move into the usage of administrative data.