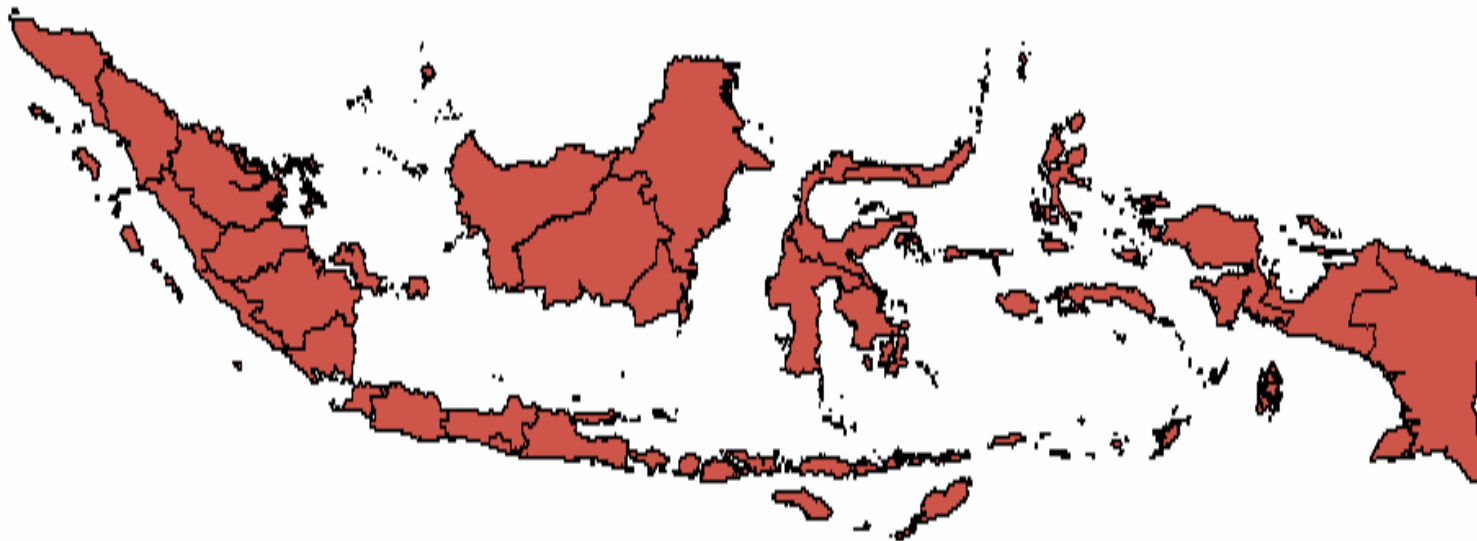


Forthcoming The 2010 Indonesia Population and Housing Census



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Introduction

- ◆ Indonesia is the world's largest archipelago consisting of five major islands and roughly 13,700 islands scattered over 5,120 kilometers. 56% of islands are unnamed and only 7% of them are inhabited.
- ◆ Indonesia administratively divided into 33 provinces and 440 districts/municipalities. There are more than 300 ethnic groups and more than 250 languages are spoken in Indonesia.
- ◆ The population is scattered unevenly across the archipelago. Java which is only about 6.6% of the land size is populated by almost 60% of Indonesia's population. This is an indication that the development plan is still focused on Java region. Based on the 2000 Population Census, population of Indonesia was 205.1 million persons. Between the intercensal periods of 1990-2000, the average growth was 1.35% per annum.
- ◆ The rate had declined compared to 1980-1990 average annual growth of 1.63%, and the rate of 2.34% during the 1970-1980 periods.



History of the Census



- ◆ BPS-Statistics Indonesia has had a long experience in undertaking national Population and Housing Censuses, besides the responsibility of collecting, interpreting and disseminating other fields of statistics. The Population and Housing Censuses of Indonesia were conducted for the years 1961, 1971, 1980, 1990 and 2000. The 2000 Population and Housing Census was the fifth decennial census undertaken since the independence of Indonesia in 1945.
- ◆ The forthcoming Population and Housing Census of Indonesia will be conducted in 2010.
- ◆ The most recent Population and Housing Census which was undertaken in June 2000 has been used extensively in the preparation and monitoring of the Five-Year Indonesia Medium Plans (2000 – 2004). The *de jure* and *de facto* approach was adopted in the 2000 Census whereby all persons on Census Day (30th June 2000) were enumerated according to their place of usual residence. Enumeration was undertaken during the period of 1st to 30th June 2000. All persons including foreigners who had stayed or intended to stay in Indonesia for six months or more in the year 2000 were included in the Census.

The Forthcoming 2010 Population and Housing Census (1)

- ◆ Population censuses are traditionally used for public and private sector policy-making, planning, administrative and research purposes while Housing censuses are used to develop benchmark housing statistics and to formulate housing policy and programs, and in the private sector to assist in site selection for industrial, retail and service facilities, as well as for the commercial development of residential housing.
- ◆ BPS-Statistics Indonesia is responsible for conducting decennial population and housing census. In addition, BPS is also responsible for conducting **agricultural census**, **economic census**, intercensal survey, large scale household surveys and establishment surveys. BPS also compiles administrative data sources from government ministries and departments and also from private sectors.
- ◆ The 2010 Population and Housing Census planned to be started in 2008 since it was realized that a population census is one of the most complicated statistical operations. A master plan will be prepared for the whole operation of the census covering the period 2008 through 2012.



The Forthcoming 2010 Population and Housing Census (2)

- ◆ The 2010 Population and Housing Census operations may be categorized into six stages as follows:
 - Preparatory work
 - Household listing and sample selection
 - Census enumeration
 - Data processing and tabulation
 - Evaluation and analysis of the results
 - Dissemination



Legal Basis



- ◆ Legal provision of the census is one of the important aspects for empowering the census operation. The legislation to conduct Population and Housing Census is based on the Law 16/1997 regarding Statistics, Government Regulation 51/1999 regarding the implementation of Statistics Undertaking, and other Ministerial Decrees which are supporting the census activity.
- ◆ In accordance with provision of the Statistics Act, a notified order will be issued for the 2010 Population and Housing Census. By this notice, the BPS-Statistics Indonesia would be empowered to conduct the 2010 Population and housing Census.



Objectives



- ◆ To provide information on population and housing for the smallest administrative area (village)
- ◆ To provide detailed information regarding demographic parameters
- ◆ To construct a master sampling frame to be used for the next sample surveys
- ◆ Meet the needs of policymakers, businesses, non-profit organizations, and the public for current measures of the Indonesia population and housing conditions.



Coverage



- ◆ The 2010 Population and Housing Census will cover all houses, buildings and all population residing in the entire geographic area of Indonesia regardless of whether they had permanent resident or not. The foreign diplomatic members and their families will be excluded in the enumeration.
- ◆ The *de jure* and *de facto* approach will be adopted in the 2010 PHC whereby all persons on Census Day (30th June 2010) will be enumerated according to their place of usual residence. Enumeration will be undertaken during the period of 1st to 30th June 2010. All persons including foreigners who stay or intended to stay in Indonesia for six months or more in the year 2010 will be included in the Census.

Activities in the 2010 PHC (1)

- ◆ 2007
 - Preparation of technical as well as non technical plans (pilot studies, seminars, workshops, etc.).
 - Pilot study/try-out of the 2010 PHC's Village Potentials Data Collection.
- ◆ 2008
 - Pilot study on constructing and mapping of census blocks.
 - Mapping of rural administrative regions and Jakarta metropolitan.
 - Constructing and mapping of census blocks in rural areas and Jakarta metropolitan area.
 - Collecting and processing data of the 2010 PHC's Village Potentials.
 - Try-out of the 2010 PHC's instruments, methodology, enumeration techniques, field operation, field organization, etc.
- ◆ 2009
 - Mapping of urban administrative regions.
 - Constructing and mapping of census blocks in urban areas.
 - General rehearsal of the 2010 PHC.
 - Presenting data of the 2010 PHC's Village Potentials.



Activities in the 2010 PHC (2)



- ◆ 2010
 - Urban/rural Classification
 - Undertaking the 2010 Population and Housing Census
 - Post Enumeration Survey
 - Processing data of the 2010 Population and Housing Census
- ◆ 2011
 - Presenting the 2010 PHC's results
 - Disseminating the 2010 PHC's results
 - Calculating demographic parameters
- ◆ 2012
 - Processing Population Projection based on 2010 PHC's results
 - Analysis of the 2010 PHC's results



Census Fieldworkers



- ◆ As census is a decennial activity requiring huge resources, most of the census activities have to be carried out on an ad-hoc basis. For this, it is very important to have a strong organization for the smooth running of the census operation. The 2010 census organization will be visualized and set up, so as to conduct the census within a specified time frame covering all 33 Provinces, 440 districts and municipalities, and more than 850,000 enumeration areas (census blocks). In total around 400,000 enumerators and supervisors are required for a period of one month.
- ◆ The Population and Housing Census fieldworkers came from various backgrounds. It might come from the BPS staffs, students, school teachers, other government staffs or from persons residing in village. These persons will be officially appointed by the Director General of BPS. It is considered that each fieldworker will be assigned to carry out the enumeration in their own village. Furthermore, fieldworkers will be trained prior to the census implementation. Therefore, only persons with high ability to conduct the task at the scheduled time are selected.



Publicity Campaign



- ◆ The Census publicity will be done during the pre-enumeration stage, enumeration stage and post-enumeration stage. This will help in enlisting the cooperation of the public and also ensuring confidentiality of information collected. BPS-Statistics Indonesia also worked on the related publicity campaign for the society at large. It included the following activities:
 - Information leaflets/posters will be distributed to every village.
 - The hot line will be established.
 - Information about the census will be presented on national and local TV, radio and in newspapers.
 - Lectures in various institutions (the Association of Municipalities, municipalities, universities, schools, etc.) will be organised.
 - Information will be disseminated in the mass media.
 - Drama, interactive discussion in TV and Radio.
 - Publish Stamp with Census logo, in cooperation with Post Office.
 - The 2010 Population and Housing Census Web Site will be established.



Population Census Variables



- ◆ Place of usual residence
- ◆ Sex
- ◆ Place of birth
- ◆ Duration of residence
- ◆ Place of previous residence
- ◆ Rel. to head or other ref. member of HH
- ◆ Marital status
- ◆ Age
- ◆ Household and family composition
- ◆ Children ever born
- ◆ Children living
- ◆ Births in the last 12 months
- ◆ Infant mortality
- ◆ Educational attainment
- ◆ School attendance
- ◆ Literacy
- ◆ Activity status
- ◆ Occupation
- ◆ Industry
- ◆ Status in employment
- ◆ Citizenship
- ◆ Year of period of arrival
- ◆ ***Disability***



Housing Census Variables



- ◆ Type of living quarters
- ◆ Type of Collective living quarters
- ◆ Type of Housing units
- ◆ Type of Conventional dwellings
- ◆ Occupancy status
- ◆ Ownership
- ◆ Use of housing unit
- ◆ Room
- ◆ Number of occupants
- ◆ Water supply
- ◆ Toilet and sewerage facilities
- ◆ Cooking facilities and fuel used for cooking
- ◆ Solid waste disposal
- ◆ Occupancy by one or more households
- ◆ Location
- ◆ Type of Buildings
- ◆ Material of construction
- ◆ Material of outer walls
- ◆ Tenure
- ◆ Ownership
- ◆ ***Information and communication technology devices (ICT)***



Estimated Budget



- ◆ The required funding for the census will be allocated from the national/state budget. It covers budget for organisation of the census, including preparation of cartographic material, publicity, salaries of fieldworkers (supervisors and enumerators), data processing and dissemination.
- ◆ In total, about US \$ 225 million will be spent in the period 2008–2012, which is about US \$ 1.00 per capita.



Training

- ◆ Various levels of training will be organized for different levels of staffs in the census at different points of time. These include the training of the master trainers/instructors, national instructors, regional instructors, district census officers, area supervisors, field supervisors and enumerators. To start with, a group of master trainers will be trained in the central office. These training will be mainly focused for maintaining uniformity and consistency on the census procedures, terms and definitions used in the census questionnaires and developed understanding among all the trainees.



Data Processing



- ◆ ICR technology will be employed for data capture. Data capture, or the process of converting the entries in the 2010 PHC forms into machine-readable format, starts with the scanning of every page of the accomplished census forms, which have been earlier batched at the Provincial Offices, to create an image for every page. The resulting images are passed on to a recognition program which handles the automatic conversion of optical marks (OMR), machine-printed and hand-written information (ICR) into ASCII text.



Problems



- ◆ One of the obstacles to census taking in Indonesia is due to the size and dispersion of the population that have to be enumerated, living in thousands of islands. The enumeration can not be done through a mailing system, since the level of education of the population (especially in rural areas) is still relatively low. The enumeration will be carried out by approximately 400,000 part time field workers (enumerators and field supervisors). Due to the huge number of part time workers required, the recruitment of low quality enumerators in remote places outside Java could not be avoided. This situation could possibly affect the quality of data.



Closing Remarks



- ◆ Indonesia is committed to conduct the 2010 Population and Housing Census, since the result will be extensively demanded by central and local government, universities, private research institute, and public in general.
- ◆ Questionnaire design and data collection strategy will be developed to match various domestic needs and internationally comparison purposes.
- ◆ New technology for data capture, employing Intelligent Character Recognition (ICR System) will decrease the number of staff members for data entry and timeliness of data entry.
- ◆ Publicity is very important part in creating awareness for all respondents on the 2010 Population and Housing Census.
- ◆ Indonesia PHC is huge national undertaking, covering 33 provinces and 456 districts/municipalities scattered all over Indonesia, employing about 400,000 enumerators and supervisors, and estimated financial budget US \$ 225 million.
- ◆ It is important to consider how to match the census results with the needs of data users under conditions of resources and budget constraints.

THANK YOU

for your attentions

