

# Case study

## National Statistical Office (BPS)

» Fujitsu high-quality solutions, excellent support and commitment have contributed to our success during the 2010 Population Census «

Dudy Saefudin Sulaiman, Statistics Information System Director, BPS



### The customer

Badan Pusat Statistik (BPS) – The National Statistical Office is the Indonesian non-departmental government agency responsible for providing high-quality statistical information to all stakeholders. To produce information, BPS conducts periodical surveys and censuses with stringent standards and procedures to obtain the accuracy of data. After forms or questionnaires are completed, the data undergoes intensive scrutiny before it is eligible for processing at the data processing unit. BPS operates nationwide through 33 provincial and 497 regency offices. To carry out such a massive data processing task, BPS is known for using the latest Information systems technology and has done so since the agency was establishment in 1928. BPS has formulated its Long Term Plan known as the SIGMA PLAN, which outlines program strategies, and priority schemes towards the establishment of an Integrated National Statistical System.

### The challenge

The decennial Population Census is the most important activity of BPS not only because of the massive scale but also because of the huge public attention it garners. Expectations are always high. During the last 2000 census, BPS collected data from 205 million people. For the 2010 census, the population had increased to 237 million. That number translates into roughly 500 million data records. The challenge of this project was collecting, validating, processing and presenting the data as quickly as possible without compromising quality (accuracy). Data collection starts at the BPS regency offices where field surveyors hand over questionnaires. Then, the questionnaires were sent to the provincial offices where operators capture the data to put it into the BPS home-grown census application. As the census progresses, BPS must ensure the system is availability at all 34 data centers located at their headquarters in Jakarta and other provincial offices. Every phase of the project is a critical process. "It was clear since the planning and preparation phase a year before the census, that we required a reliable hardware infrastructure that would serve as the backbone of all activities," said Dudy Saefudin Sulaiman, Statistics Information System Director, BPS. "More than that, whichever vendor was selected to supply the hardware, we wanted them to give utmost support and priority to BPS and the census because we could not afford any downtime."

### The solution

Fujitsu assisted BPS in developing a secure and available system consisting of all the required servers, document management solutions, data storage, and back up. This included the used of zero clients, scanners and high-end tablet PC for data collection and input.

### The customer

Country: Indonesia  
Industry: Government  
Founded: 1928  
Employees: 16.000  
Website: [www.bps.go.id](http://www.bps.go.id)

### The challenge

BPS needed a reliable infrastructure for their upcoming 2010 Population Census, targeted at the 237 million population that would translate into roughly 500 million data records. The challenge of this project was collecting, validating, processing and presenting the data as quickly as possible without compromising quality.

### The solution

Fujitsu assisted BPS in developing database servers, application servers, document management solutions & data back up. The Fujitsu solution was comprised zero clients, rack servers, blade servers, enterprise storage, high-end servers & high-end tablet PCs.

### The benefit

- BPS completed the census and provided data results in just five months compared to two years for the previous census.
- Fujitsu servers and storage in the BPS data centers across head office and the 33 provincial offices were running 24x7 during the highest critical point.
- Fujitsu provided direct support, which reinforces the teams' confidence in addressing challenges during the most critical junctures of the project.
- Using Fujitsu, BPS can execute their future plan without the need to buy additional capacity. BPS' next strategic move is to build capacity and establish the Integrated National Statistical System.

### The benefit

Using Fujitsu hardware infrastructure, BPS was able to complete the 2010 Population Census faster and well above public and government expectations. In previous censuses, it had taken up to two years before BPS could present data to the public. "In the 2010 census, we did it all in just five months. That time frame was way above everyone's expectation. By providing faster results, we could retain the value of data for decision making," said Dudy. "There's no doubt that Fujitsu has contributed to our success during the 2010 Population Census by providing us with durable high performance products, backed with excellent support and commitment to deliver the best."

Specifically, Dudy was impressed by the performance of Fujitsu scanners during the data capturing at 33 BPS provincial offices. "Data capture was a critical process, that's when forms were scanned and field data went through the system for the first time. Fujitsu scanners simply did the job perfectly, non-stop, never broke down," recalled Dudy. "The smart Kofax data capturing software that were preconfigured to capture handwriting and customized to work seamlessly with the Fujitsu scanners provided the boost to the process."

Meanwhile, Fujitsu servers and storage in the BPS data centers across the country were running 24x7 at the highest critical point. At this phase, Fujitsu proved its strong commitment and highest responsibility by helping the customer achieve their success. "At many critical instances, Fujitsu provided direct support which reinforced team's confidence to address any challenges," said Dudy. "It was beyond my expectation for a principal to provide such a level of commitment to a project."

Following success with the 2010 Population Census, BPS will continue to use Fujitsu products and solutions. "The census had inherited a robust and flexible infrastructure for BPS future plans without the necessity of buying additional capacity. BPS' next strategic move is capacity building to establish the Integrated National Statistical System," explained Dudy. "One of the pillars to achieve and sustain these objectives is continuous improvement of the BPS information and communications system. For this, we are not just seeking vendors who only sell products; we want a partner for a long term commitment and relationship. The doors are open for Fujitsu to help us implement our IT plans."

### Products and services

- Fujitsu PRIMERGY RX300
- Fujitsu PRIMERGY BX900
- Fujitsu ETERNUS DX440
- Fujitsu PRIMEQUEST 1800E
- Fujitsu Zero Client
- Fujitsu Tablet PC
- Fujitsu Scanner Fi-6800
- Fujitsu Scanner Fi-5530C2

### Conclusion

During the 2010 Population Census, not only the inimitable performance and top notch quality of Fujitsu products was proven, but Fujitsu's core value in action was also demonstrated. Fujitsu aims to be the indispensable partner of its customers so they can fully utilize IT and establish their competitive position, and lead on to the success of their business.

*"BPS needs to stay up to date with the latest technology in information management and computing because our data requirement is constantly growing. we look to Fujitsu to provide valuable insights"*

Fujitsu's solution was selected through a stringent, objective and independent government tender process for each equipment type. More importantly, Fujitsu has earned the trust of the Indonesian government by its participation in one of the pinnacle events of the nation: The Population Census.

### About Fujitsu Indonesia

Fujitsu Indonesia was established in 1995 under the name of PT. Fujitsu Systems Indonesia. Headquartered in Jakarta and a number of service centers in Jakarta & Surabaya also more than 20 authorized service providers across Indonesia, Fujitsu Indonesia has a vision to become a leading provider in IT, communications and customer-focused business solutions.

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