ABSTRACT

Changing the distribution of dengue virus serotype has occurred in Indonesia. This condition should be monitored continuously through the Dengue Virus Surveillance such as conducted by BBTKL PP Surabaya. Preliminary studies indicate there are some problems related to data. Solution of those problems is the integration of data management. The purpose of this study was to identify the needs of data and information, design the integration of data management and evaluate the integration of data management.

This study used qualitative study and operational research design. Study was conducted in BBTKL PP Surabaya starting on March 2015 to July 2015. Data analysis was conducted using Epi Info 7 and analyzed descriptively by using data management approach.

The results showed that needs of data and information was accommodated by five types of data collection forms. There are eight new data and information that would accommodated in the integration of data management. Integration of data management was conducted through the data normalization, creation of a data dictionary and creation of database.

Evaluation of the integration of data management indicates that all data collection forms, variables and information has been accommodated in database, 100% surveillance officer stated that the ease and speed of the database are included in the category of easy and quick, and found a single bug or error. The average time required is eight minutes to enter one piece of data, 34 minutes for the data processing and analysis of data and three minutes for retrieval of data and information.

Key words: integration, data management, dengue virus surveillance