

ABSTRACT

The Surveillance Database Development Of Risk Factor In Dengue Fever Study In Mataram District Health Office

This study is a field study that is the activity of surveillance database development of risk factor in dengue fever by arranging new database to replace totally the old system or to improve the existing database. This study aimed to develop the database of risk factor in dengue fever that could result good information about dengue fever based on risk factor. This study was done in the DHF P2 Program, P2B Section, P3PPL Devision of Mataram District Health Office since April 2014 until August 2014. Moreover, this study used primary data that were obtained by interviewing and doing observation and secondary data that were obtained by using literature study. This study used Epi Info software in 3.5.1 version for windows for data analysis in designing the surveillance database of risk factor in dengue fever. Meanwhile, the data analysis of the result of experiment and the database evaluation used descriptive analysis. The database design of this study involved logical design and physical design. In logical design, the writer normalized the data and created relation. Afterwards, the writer continued to do physical design by using Epi Info software in 3.5.1 version for windows and hardware. Furthermore, the writer did the experiment of this study by doing a simulation of applying database that involved data entry, data analysis, data saving, data accessing, and data representing. The experiment of this study was done by the writer, the DHF P2 Program Manajer, and the surveillance staff in Mataram District Health Office. The evaluation of the result of experiment showed that all informants did data entry and data saving easily and quickly. Meanwhile, some informants did data analysis, data accessing, and data representing in difficulty and slowly. The result of the experiment can result accurate data. Besides, all informants can result similar data and almost all types of information can be resulted. The obstacles of this surveillance database development of risk factor in dengue fever were the database needed trained officers who were able to use Epi Info software for windows and needed hardware, which had particular specification. However, the opportunities in applying database were doing some training for the officers, utilizing the facilities and the fund of maintenance system that had been running.

Keywords : dengue fever, surveillance, risk factor, database.