

ABSTRACT

The Regional General Hospital of Bandung is one of the health institutions that aims to achieve optimal health level for the people. Therefore, it should have a hospital management information system which manages all of the activities in order to provide the best service with the effective management. At this time, the Regional General Hospital of Bandung not fully implementing the hospital management information system. There are still some divisions in this hospitals that perform operations with manual systems, such as in the Laboratory Division. Manual process in Laboratory division has several problems, there are too many working papers that is used to record the results of the inspection, an error occurs during the process of recording inspection data, inspection reports delays in the presentation of medical records and laboratory reports, less efficiency of patient services, too late and wrong decision-making by management.

To overcome some of these problems, a laboratory management information system should be built for this hospital. This is a web-based information system, so as to be easily accessible by officials in the laboratory in real time. This information system was built with waterfall development model.

This laboratory management information system is very helpful to manage the laboratory data such as patient data, patient inspection registration data, and inspection results. In addition, the system also generates information on the number of types of inspection to evaluate services and decision making.

Keywords : hospital management information system, laboratory management information system, laboratory data, waterfall.