ABSTRACT

CONSTRACTION OF HOSPITAL OPERASIONAL INFORMATION SYSTEM BASED CLIENT-SERVER IN BANDUNG REGIONAL PUBLIC HOSPITAL.

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Data processing in the process of health services at the Bandung Regional Public Hospital (RSUD Kota Bandung) *still using manual system that is by handwriting techniques. It is difficult for officers because of patient visits to Bandung Regional Public Hospital very much. In addition, the manual system that exists today, pharmaceutical warehouse personnel also have difficulty in processing stock data and forecasting the use of pharmaceutical products due to the amount of pharmaceutical goods are processed very much. Therefore, the author of Bandung Hospital decided to build a computerized system to assist officers in processing the data in order to walk more easily.*

Information systems based on client-server provides many advantages compared with the data processing is done manually, in this case the form of handwriting techniques. The advantages provided include data processing run more easily, and the process of finding data is also easier. The system is built with object-oriented programming paradigm. The methodology used in constructing these applications is to use a method USDP (Unified Software Development Process), in this method needs the system must be defined when the initial construction of the system in order to know the objects of the required system. The tools used in modeling these systems is the UML diagram, such as Use case diagrams, scenarios, Activity diagrams, Sequence diagrams and Class diagrams.

Based on the results of tests performed on the system by using black box method, it is known that the officers more easily in processing data on the health care process in Bandung regional public hospitals as compared with the manual system previously used.

Keywords: Operational Information System, Client-Server, USDP, UML Diagrams.