

ABSTRACT

Puskesmas XYZ is one of the primary Community Health Center (Puskesmas) in Bandung City. Based on interviews and observations conducted, the pharmacy department at Puskesmas XYZ still faces difficulties in carrying out the pharmaceutical inventory management process. These issues are evident in the continued occurrence of errors in recording, monitoring, and reporting inventory data. Most inventory management processes are still carried out manually using paper-based methods, which are considered inefficient due to the lack of data integration into a single system. Therefore, this final project involves the design of a pharmaceutical inventory management information system aimed at assisting the pharmacy department of Puskesmas XYZ in centrally managing inventory. The method used in the system design process is Rapid Application Development (RAD). The RAD method will go through four design phases, namely requirement planning, user design, construction, and cutover. In the cutover phase, verification is conducted using black box testing and validation using User Acceptance Testing (UAT), with an average total score of 82.2%, which falls under the “very good” criteria. The results of this research will be a pharmaceutical inventory management website to support stock monitoring, the preparation of Medication Usage Reports and Medication Request Forms (LPLPO), and decision-making in reorder planning, which will be used by the internal staff of Puskesmas XYZ. This system design is expected to support the business processes of the pharmacy department at Puskesmas XYZ, particularly in more efficient pharmaceutical inventory management.

Keywords – Inventory Management, Monitoring, Puskesmas, RAD, Information System