

ABSTRACT

This final project was prepared with the aim of developing and implementing a web-based application for managing purchase returns and recording ledgers at Madya Cimahi Pharmacy. This final project was also prepared using the Agile Software Development method which means application development that focuses on the needs of the case study site so that it is suitable for the pharmacy case. Currently, the process of recording purchase returns at pharmacies is still done manually using notebooks or paper worksheets which can cause recording errors, delays in stock updates, and difficulties in monitoring the availability of drugs in real-time. In addition, the general ledger reports at Madya Pharmacy are still recorded separately and incompletely, which causes the recording process to take longer and risks discrepancies in recording transactions. This application was developed using PHP programming language with Laravel framework and PostgreSQL database. To overcome these problems, the application was developed by providing a more structured purchase return recording feature. With the feature of recording return purchase transactions that are directly connected to the drug stock management system and recording ledger reports, this web-based application can increase the productivity of pharmacy operations and improve the accuracy of drug stock data and recording ledger reports at Madya Cimahi Pharmacy.

Keywords: Web-based Application, Purchase Returns, Ledger Reports.