

ABSTRACT

Madya Cimahi Pharmacy still uses a manual system for consignment product management, resulting in recording errors, inaccurate inventory monitoring, and difficulties in profit-sharing calculations with suppliers. This research aims to develop a web-based application to manage all consignment processes in an integrated manner, providing real-time stock monitoring and generating accurate automated inventory reports. The Agile development method was used with an iterative and incremental approach, involving continuous collaboration with users. Stages included sprint planning, daily meetings, product demonstrations, and retrospectives for continuous improvement. The application was built using PHP with Laravel framework and PostgreSQL database, featuring key functions such as consignment transaction recording, product returns, debt payments, sales, automatic commission calculations, and stock cards. The research resulted in a web application that reduces recording error risks, improves operational productivity, and provides accurate information for data driven decision making. The system implementation hopefully success addressed manual consignment management issues at Madya Pharmacy, supporting more efficient inventory management and reducing potential losses due to recording errors.

Keywords: Web-Based Application, Consignment System, Pharmacy, Drug Management, Commission