

ABSTRACT

NS Farma Pharmacy is a pharmacy that still records transactions and manages drug inventory manually, so recording errors, stock accumulation, and difficulty in identifying drugs that are close to expiration often occur. This study aims to apply the First Expired First Out (FEFO) method in a web-based drug inventory and sales recording system to help a more precise stock management process. The development method used is waterfall, with the stages of needs analysis, system design, implementation, and testing. The application was developed using Visual Studio Code tools, XAMPP, and the Laravel framework to build the system. The main features include recording cash purchases, cash sales, stock management based on expiration date, and income statements. The implementation results show that the system is able to record transactions correctly, display stock information based on the FEFO method, and generate integrated financial reports. This application is expected to support the recording and management of drug inventory more systematically and efficiently.

Keywords: medicine inventory, FEFO, Laravel, pharmacy, and accounting information system.