IMPLEMENTING A WEB-BASED DRUG INVENTORY INFORMATION SYSTEM

(Case Study: Asy-Syifa Pharmacy, Prambanan)

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ABSTRACT

Asy-Syifa Pharmacy Prambanan offers a wide range of medicines and healthcare services to the public. Operationally, the pharmacy faces challenges in managing its inventory, including delays in updating stock data and recording errors, which negatively affect service efficiency. The primary issue is the absence of a system capable of automatically managing drug inventory and detecting out-of-stock items in real time. To address this, a web-based Drug Inventory Information System was developed to facilitate integrated and efficient inventory management. Data collection was conducted through observations and interviews, while system development followed the Waterfall model. Testing demonstrated that all 40 test scenarios were successful, achieving a 100% success rate. These results indicate that the system can automatically update stock levels based on incoming and outgoing drugs and provide notifications when stock reaches minimum thresholds or is depleted. Consequently, this system can enhance pharmacy operational efficiency, reduce recording errors, and expedite customer service.

Keywords: system, information, management, inventory, drugs.