

ABSTRACT

DESIGN AND BUILD A WEB-BASED GOODS SUPPLY INFORMATION SYSTEM USING THE RAPID APPLICATION DEVELOPMENT METHOD (Case Study: Toko 37)

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Inventory management at Toko 37 is still performed manually using logbooks, often resulting in input errors, delays in stock updates, and difficulties in decision-making. The current system is only accessible to the store owner, which hinders operational efficiency. This issue becomes increasingly critical amid the competitive retail business landscape and growing customer expectations for immediate product availability. To address these problems, a web-based inventory management information system was developed using the Rapid Application Development (RAD) method. The system was built using the Laravel framework and MySQL database, featuring key functionalities such as item data management, recording of incoming and outgoing goods, stock reports, and employee data management. It is designed to be accessible by both administrators and employees from various devices via internet connection. Implementation results indicate that the system successfully replaced manual processes with digital ones. Black Box testing demonstrated a 92.86% success rate, demonstrating that all system functions functioned as expected. Meanwhile, a System Usability Scale (SUS) evaluation involving eight respondents yielded an average score of 94.38, placing the system in the "Excellent" usability category.

Keywords: *Information Systems, Inventory, Laravel, RAD, Black Box Testing, SUS*