



KERO APPAREL ERP SYSTEM FOR PURCHASING, SALES, & INVENTORY

UNDERGRADUATE THESIS
Submitted as one of the requirements to obtain
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FACULTY OF COMPUTER SCIENCE
INFORMATION SYSTEM STUDY PROGRAM
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MOCHAMAD RAYHAN

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ABSTRACT

Kero Apparel is a micro business engaged in sports fashion with a main focus on selling sports jerseys such as soccer and futsal. In its operations, the manual process of managing inventory, purchasing, and sales leads to challenges such as inaccurate stock records, delays in order processing, and inefficient transaction recording. To address these problems, an Enterprise Resource Planning (ERP)-based inventory module was designed and implemented. This module is designed to manage product data, track stock levels, and handle the recording of incoming and outgoing goods in an integrated manner. The module also facilitates the management of refunded or returned items. This project was developed using a agile approach with Laravel technology as the backend, PostgreSQL as the database system, and Vue.js for the user interface. The implementation results show that the system is able to improve the efficiency of inventory management, reduce recording errors, and provide transparency to the stock flow. With this inventory module, it is expected that Kero Apparel can manage its business processes more systematically and in an integrated manner.

Keyword: ERP, Inventory Module, Stock Management, Product Management, Integration System

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