

***DESIGN OF AN INTEGRATED INVENTORY MANAGEMENT
APPLICATION WITH QR CODE BASED ON WEBSITE***

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ABSTRACT

The lack of an inventory monitoring system at PT. RAPP, specifically in the PC Support section, causes internal conflicts between leaders and engineers, delays in meeting hardware needs, and a lack of transparency in inventory management. To address these issues, a web-based inventory management application integrated with QR codes is needed. This application includes features such as QR code scanning to facilitate the retrieval and input of items, as well as recording incoming and outgoing goods. This helps the PC Support team monitor warehouse inventory and generate accurate reports. The notification feature will alert leaders when inventory reaches the minimum threshold, preventing stockouts. The application was tested using the black box method, evaluating the interface for leaders and engineers to ensure all features function correctly. The test results show that all features work well. This application makes it easier for the PC Support team to manage warehouse inventory and improves transaction transparency.

Keywords: Management, Warehouse, Inventory, Integration, QR code