

ABSTRACT

DESIGN AND DEVELOPMENT OF A WEB-BASED CASHIER APPLICATION FOR BARAKAH SWALAYAN STORE USING THE WATERFALL METHOD

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Web-based cashier applications are crucial for improving transaction efficiency and inventory management in a retail environment. Barakah Swalayan, a convenience store that relies on manual operations, faces issues including slow transactions, inaccurate record-keeping, and challenges in generating organized sales reports. This study aims to develop a web-based cashier system using the Waterfall development methodology. The system was developed in several phases: requirements analysis, design, implementation, black box testing, and deployment. This application facilitates transaction documentation, automatic alerts for low stock, and organized sales reporting. The test results show that this system improves the speed and accuracy of transactions while facilitating the inventory control process.

Keywords: ***Blackbox Testing, Cashier Application, Inventory management, Sales report, Waterfall method, Website,***