

ABSTRACT

Asriyah bookstore SME is a bookstore business that operates in Bukittinggi, West Sumatra. This business faces challenges in warehouse management due to the absence of proper stock recording which often leadin to errors when checking the available stock in the warehouse. This research aims to analyze the problems in warehouse stock management.

The development of this website sytem in this research use waterfall method. Waterfall is one of the simplest models in the Software Development Life Cycle (SDLC) in device development with structured development. The design process begins with analyzing the users needs to determine the system requirements. After identifying the requirements, diagrams such as use case, activity and sequence are created to describe how the systems works. The next process is development and testing of the system to make sure it fits with user needs. The develop system will be tested using two stages, namely blackbox testing and User Acceptance Testing (UAT). This systems made using website based technology.

The results of this final project is a web based system that helps users manage warehouse operating at Asriyah Bookstore. This system can display information about total monthly sales, stock items that are already low, features in recording incoming and outgoing goods and generating sales reports based on selected time period. Based on the testing results using acceptance testing the system achieved a percentage score of 92% which is categorized as highly feasible because it meets the users needs. With this system, Asriyah bookstore SME can improve its warehouse stock management and reduce the risk of errors in stock recording.

Keywords – MSME, Asriyah bookstore, waterfall method, warehouse management