ABSTRACT

Bakso Lik Tono currently faces issues in recording the incoming and outgoing bakso products, as well as reporting, which are still done manually. This results in discrepancies in stock data, especially since a single production of bakso can reach hundreds or even thousands of pieces. Therefore, this research discusses how to build a website-based inventory system using MVC architecture and the RAD method. The development starts with the requirement planning stage to identify system needs, followed by the creation of diagrams such as use case, activity, sequence, and class diagrams. The user design stage includes the creation and testing of a prototype, followed by the construction stage, which involves coding and functionality testing using blackbox testing, until the cutover stage. The research results indicate that this website-based inventory system can accurately and quickly record, calculate, and manage daily stock data. The system includes recording bakso types, production quantity, quantity, old HPP, new HPP, remaining stock, and stock nominal, and is integrated with the POS system for easier management. Blackbox testing of 40 scenarios showed a 100% success rate, proving that the system meets the required functionality.

Keywords **:** *Inventory System, Website, Rapid Application Development (RAD), Model View Controller (MVC), Blackbox Testing*