

ABSTRACT

DESIGN AND DEVELOPMENT OF AN INTEGRATED POS ACCOUNTING WEBSITE USING THE RAD METHOD (CASE STUDY: MSME WADON FIRLY)

By

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Wadon Firly, a micro, small, and medium enterprise (MSME) operating in the culinary sector, faces challenges in financial record-keeping due to the limitations of conventional bookkeeping methods. This study aims to develop a web-based bookkeeping system that is responsive, efficient, and accessible from various locations by employing the Rapid Application Development (RAD) methodology. The RAD approach, which includes requirements planning, system design workshops, rapid construction, and implementation, proved effective in accelerating the development process and accommodating user-driven changes. System functionality was evaluated through Black Box Testing, which demonstrated that essential features—such as login, cash management, reporting, and integration with the Point of Sale (POS) module—performed reliably without functional errors. Furthermore, User Acceptance Testing (UAT) was conducted by distributing ten questions to two user roles, namely the owner and the cashier. The owner role yielded a satisfaction score of 80% (categorized as good), while the cashier role achieved 82% (categorized as very good). These results indicate that the system is well-accepted and deemed suitable for operational use in MSMEs. This research is expected to contribute to the advancement of technology adoption in MSMEs and serve as a reference for future studies on similar system development initiatives.

Keywords: Small Medium Enterprise (MSME), Rapid Application Programming (RAD), Object Oriented (OO)