ABSTRACT

A restaurant is a general term often used to refer to a business engaged in selling or serving food. Depot Amanah is a restaurant that serves customers through both dine-in and takeaway services. However, the current service process at Depot Amanah still relies on manual operations, including ordering, sales reporting, and inventory management. This approach is considered ineffective as it often leads to issues such as misplaced orders and frequent restocking errors. To address these problems, the researcher aims to design an Android-based order and inventory management system for the restaurant using the UML ICONIX process. The research follows the waterfall methodology, which consists of five stages: planning, analysis, design, implementation, testing, and maintenance. The application is tested using the BlackBox Testing method and the User Acceptance Test. If a function operates without issues during testing, it is deemed successful. The overall score obtained from the User Acceptance Test testing method that held by owner and employee. The outcome of this research is a software requirements system and an Android-based restaurant management application. This system is expected to streamline service processes, facilitate sales report generation, manage inventory efficiently, and improve overall service operations at Depot Amanah.

Keywords: Depot Amanah, management application, Android, UML Iconix Process, Waterfall