ABSTRACT

The café and restaurant business in Indonesia is experiencing significant growth, necessitating increased attention to managerial aspects, particularly stock management and data recording. Pragola Express Coffee Shop faces challenges with real-time stock inventory monitoring and inaccurate sales record documentation, leading to operational delays and a decline in customer trust. To address these issues, a cashier system application is essential. The primary features of this application include managing and monitoring stock inventory, managing the coffee menu, recording transaction history, and the cashier system. This application was developed using the ICONIX Process method, a software development approach that emphasizes use cases with minimalistic UML. The development process in the ICONIX method begins with the requirements phase, followed by the requirements review phase, analysis/preliminary design phase, preliminary design review phase, detailed design phase, critical design review phase, and culminates in the implementation phase. The application was built using the Dart programming language with the Flutter framework for the interface and Firebase as the database. The application underwent black-box testing, achieving 100% test results, making it acceptable for all scenarios. This research resulted in the development of a cashier system application for Pragola Express Coffee Shop.

Keywords : Cashier System, Stock Monitoring, ICONIX Process, Black-Box