

ABSTRACT

Anugerah Decal, located at Jl. Mangga No.1, Benteng, Kepulauan Selayar Regency, South Sulawesi, is a micro, small, and medium enterprise (MSME) specializing in advertising, particularly in sticker printing, sticker cutting, one-way vision, screen-printed stickers, and various other types of stickers. Currently, the order transaction process and transaction recording are still done manually, which leads to pricing errors and data inconsistencies. To address this issue, an information system is needed that can support transaction management and improve accuracy, namely a Point of Sales (POS) system. The developed POS application adopts the waterfall development method, which has clear stages: requirements, design, implementation, verification, and maintenance. System modeling was done using the Unified Modeling Language (UML). For application development, React was used as the frontend framework with HTML, CSS, and JavaScript for the user interface, while the backend used Firebase and Firestore as cloud database solutions that enable real-time data storage and secure authentication. System testing was conducted using the black box testing method to ensure that all functions within the system were operating in accordance with the established requirements specifications. The test results show that key features such as user login, product management, transactions, and invoice generation are functioning well. Evaluation using the Technology Acceptance Model (TAM) shows positive acceptance of the POS application, with average values for Perceived Usefulness (4.0), Perceived Ease of Use (4.6), Attitude Towards Using (4.0), and Intention to Use (3.8). The overall average value is 4.1, indicating that the application is quite useful, although there are still areas that need improvement to enhance the user experience. Overall, this application meets the required quality standards and is ready for implementation.

Keywords: *Anugerah Decal, UML, React, HTML, CSS, JavaScript, Firebase, Firestore, Point of Sales.*