

ABSTRACT

Bandung's Bhayangkara Police Hospital faces challenges in asset management and reporting asset repairs, which are currently done verbally. This issue leads to a lack of clarity and proper documentation in the asset repair process, making it difficult for asset managers to track the condition of assets, whether in good or damaged state. Additionally, manual asset labeling poses obstacles in asset tracking and monitoring, including incomplete records of BMN asset inventory information, as well as inefficiencies in time and labor when conducting asset data collection and retrieval. Therefore, a web-based asset management application for reporting damaged asset repairs and labeling assets using QR codes is required. Development is carried out using the iterative incremental method, which divides the work into a series of stages that can be adapted to changes that may occur during application development, making it suitable for researchers. Based on the testing results, in the first-phase iteration, black-box testing indicated that the application features performed as expected, and user acceptance testing demonstrated that the application has achieved a high success rate, with an average score of 81.11%. Users expressed agreement but provided feedback for feature additions and improvements. In the second-phase iteration, feature development aligned with the feedback received in the first iteration. Black-box testing results showed that the application features performed as expected, and user acceptance testing revealed a high success rate, with an average score of 87.75%. Users affirmed that the asset management information system application aligns with their needs and preferences.

Keywords: Information system, Asset management, Iterative Incremental, Black-box testing, User acceptance testing.