

ABSTRACT

Technological advancements necessitate RS Bhayangkara Tk.II Sartika Asih Bandung to adopt an information system to streamline asset management, which is still performed manually. This study aims to develop the web-based ASETO application using the Yii framework and D3.js, employing an iterative incremental method. The application is designed to map the positions of medical facility assets, enhancing the efficiency and effectiveness of asset management. User Acceptance Testing (UAT) and System Usability Scale (SUS) evaluations during the first iteration showed very positive results for the dashboard feature and the download report Cari Aset feature. However, in the first iteration, many respondents gave a grade B on SUS, indicating that there were still some areas needing improvement in terms of usability and feature consistency. In the second iteration, SUS results showed a significant improvement with an average score of 93.75, and all respondents gave a grade A. This improvement indicates that the enhancements made in the second iteration successfully increased comfort, ease of use, and feature integration, providing a better and more consistent user experience. In conclusion, the ASETO application has significantly improved asset management at RS Bhayangkara between the first and second iterations.

Keyword: Asset Management, Iterative Incremental Development