ABSTRACT

The Faculty of Industrial Engineering faces problems in managing inventory items, as well as recording and labeling inventory items which are currently still done manually. This problem causes a lack of clarity and proper documentation in the process of recording inventory items, making it difficult for inventory managers to collect data on the condition of good and damaged inventory items. In addition, the process of labeling inventory items that are written manually is also an obstacle in tracking and monitoring inventory items, such as incomplete records of inventory data information, lack of effectiveness of time and energy when wanting to collect data and search for inventory items needed. Therefore, a website-based inventory management application is needed for recording and labeling inventory items using Quick Response Code.

*Application development is carried out using the rapid application development method, which allows rapid prototyping and continuous improvement based on user feedback. Black-box testing results show that the application features run according to expectations, and User Acceptance Testing results show that the inventory management application achieves a high success rate with an average score of 9**7,5**%. Users agree that the inventory management application meets the needs and desires of users.*

Keywords: ***Information system, Inventory management, Rapid Application Development, Black-box testing, User acceptance testing***