ABSTRACT

The Desk Evaluation application is a platform used to facilitate the implementation of Final Project I, which includes topic submission, determination of supervisors and examiners, document upload, and Final Project I assessment. Although this application provides significant assistance, there are several obstacles that can hinder the functionality process. Therefore, maintenance is carried out especially the frontend of the application to improve its performance and quality in accordance with expectations. Maintenance is performed using the Collaborative Software Development Model, which includes 5 phases: communication, planning, modeling, construction, and implementation. The results of this maintenance process include proposed modifications with a focus on improving some modules and adding features. The final results were examined through user testing using System Usability Scale (SUS), Scenario Testing, and User Acceptance Testing. Based on SUS testing, the application was rated with category B by students, category B by supervisors/examiners, category B by research lab head lecturers, category C by research methods lecturers, and category A by admins. The average of these results is categorized as B. Meanwhile, Scenario Testing shows that the results obtained are as expected. In User Acceptance Testing (UAT), this application received an index of 98% from students, 90% from admin, 89.4% from supervisors/examiners, and 80% from research lab head lecturers, 100% from research methods lecturers. This indicates that this application has received positive acceptance from various users and has satisfactory performance in meeting their needs.

Keywords: *Collaborative Software Development Model, Web Development, System Usability Scale, Scenario Testing, User Acceptance Testing*