

ABSTRACT

In the era of ever-growing digitalization, information technology has penetrated various aspects of life, including higher education. Telkom University's Faculty of Industrial Engineering faces challenges in managing and reporting activities such as student competitions. FRI Student Affairs staff experienced difficulties in tracking student achievement data, especially in group competition reports that required details of group members. To overcome this problem, a website-based platform is needed for reporting student competitions which will integrate FRI student achievement data, enabling better tracking and monitoring.

The method used in system design in this final assignment research is the Scrum Method. The steps in the Scrum method include product backlog, sprint planning, sprint backlog, sprint execution, sprint review, and sprint retrospective. For verification and validation in this final assignment, Black Box Testing and User Acceptance Test are used.

The result of designing this final project is designing a website-based platform for reporting student competitions at the Faculty of Industrial Engineering, Telkom University. The website-based platform has several features such as a homepage menu, report menu, report status menu, report verification menu, student achievement menu, and competition schedule menu.

In testing this Final Project system, two methods were used, namely Black Box Testing and User Acceptance Test. Black Box Testing is used for verification, while User Acceptance Test is used for validation. The results of these two tests were very positive, with all Black Box Testing scenarios "successful" and the User Acceptance Test reaching a percentage of 92%. Thus, the system is considered feasible and in accordance with the functions required by the user.

Keywords: Reporting, Competition, Tracking and Monitoring, Website, Scrum.