

ABSTRACT

Final Project proposal application (TA Selection) is a Desk Evaluation application used by lecturers and students in the business process of Final Project I, Faculty of Industrial Engineering, Telkom University. The Final Project I application facilitates various activities related to the Final Project I, including submitting topics, plotting supervisors and reviewers, to uploading final project proposal documents. However, the application does not yet have a dashboard feature as a media for monitoring the TA Selection application's business processes. Meanwhile, there is a large comparison between the number of students and lecturers, so a dashboard feature on the TA Selection application is needed to make it easier for lecturers to monitor business process activities for the final project proposal. Therefore, the TA Selection application dashboard designed to make it easier for lecturers as users. This dashboard design uses the User Centered Design method as a dashboard interface design which consists of several stages, namely Understand and Specify the Context of Use, at this stage there are several activities, namely user identification and making in-depth interviews, these activities are carried out to understand the context of using the application. on the user. Specify the User Requirements is the stage where the needs and characteristics of users will be analyzed through the results of interviews. Next is Produce Design Solutions to Meet User Requirements, which is the process of designing a dashboard interface. Then enter the Evaluate the Designs Against Requirements stage to validate the design that has been made. The dashboard design also uses the prototyping method in software development. In the design evaluation, interface design validation will be carried out using the System Usability Scale. Then the design will be implemented in the form of program code. Next will be testing the functionality using Blackbox Testing.

Keywords— TA Selection, Dashboard, User Centered Design, System Usability Scale, Prototyping, Blackbox Testing