ABSTRACT

Technological developments in the current era affect various fields, one of which is in the field of education, which is starting to adapt to technology-based applications. Telkom University is one of them, which uses this opportunity to make developments, especially at the Faculty of Industrial Engineering, one of which is the SOFI application, which is a TA (Final Project) trial management application. However, the SOFI application now has several problems from the frontend side. Therefore, a migration to a single page application is carried out to increase response time and improve intuitiveness. The author developed this with the Iterative Incremental method. The method develops applications iteratively by evaluating and making necessary improvements at each stage, reducing risks and improving application quality. The result of this research is that the SOFI application becomes responsive and efficient when used by many users simultaneously and improves the intuitiveness of the application and provides a better user experience.

Keyword— Frontend, Multi Page Application, Single Page Application, Iterative Incremental