ABSTRACT

At the Faculty of Industrial Engineering, Telkom University, contract management evaluations are conducted quarterly. However, the monitoring process is deemed less effective. The primary issue faced is the difficulty in monitoring contract management, which results in limitations in timely performance evaluations. This also impacts the timeliness of decision-making by stakeholders. To address these challenges, a dashboard was developed to enhance efficiency and facilitate contract management monitoring.

In the dashboard development process, the Scrum method is used, which is an agile-based software development model. The stages begin by identifying user needs through interviews, then determining the priority of feature development using the MoSCoW method. Furthermore, the preparation of the product backlog, sprint planning, and sprint backlog as the determination of the scope of work in one sprint. Development is carried out in sprint execution, followed by a sprint review to evaluate the results, and a sprint retrospective to improve the development process in the next sprint.

The dashboard is equipped with features that facilitate contract management monitoring for the Faculty of Industrial Engineering, thereby improving efficiency and accuracy in contract management processes. The designed dashboard underwent verification through black-box testing and validation using User Acceptance Testing (UAT). The UAT was conducted based on ISO 25010 standards, employing a 4-point Likert scale, resulting in a percentage score of 72.2%, categorized as "Agree."

This study demonstrates that the implementation of the monitoring dashboard can serve as an effective and efficient solution for the Faculty of Industrial Engineering. For future development, it is recommended that the dashboard be hosted on a web platform to improve its reliability and ensure accessibility anytime and anywhere

Keywords: Dashboard, Scrum, MoSCoW, *Performance*