ABSTRACT

The optical feeder network construction project at PT XYZ was previously reported manually through instant messaging applications such as Telegram. This approach resulted in data being scattered across various conversations, poorly documented, and made it difficult to evaluate project performance comprehensively. Therefore, a more structured, centralized reporting system capable of providing real-time information was needed.

This research aims to design a web-based project monitoring and controlling dashboard system using the Agile method. The development process is carried out iteratively to adapt to user needs. The system is designed using Google Forms as the data input medium, Google Sheets for data storage and management, and visualization presented through Google Sheets. The main features of the dashboard include project status indicators (OK/NOK), daily progress charts, trend analysis of challenges, and early warnings for critical projects.

Verification results through Black Box Testing indicate that all features function as per the scenarios. Validation using User Acceptance Testing (UAT) yielded a user satisfaction score of 90%, categorized as "Very Good" in terms of acceptance. The conclusion of this study is that the designed dashboard effectively addresses manual reporting issues, enhances project performance evaluation efficiency, and serves as an efficient and reliable monitoring solution in the project environment of PT XYZ.

Keywords*: Dashboard, project monitoring, Agile, Black Box Testing, User Acceptance Testing, optical feeder.*