

ABSTRACT

This final project successfully developed a web-based information system designed to address the previously manual and separate processes of final project seminar registration, mentorship, and final project assessment for students in the D3 Telecommunication Technology program at Telkom University. The system facilitates the entire workflow of the final project, from title submission, supervisor selection, online mentorship communication, revision submission, seminar scheduling, to grade input and recapitulation. Built using HTML, Tailwind CSS, and JavaScript for the frontend, and Google Firestore as a real-time database, the application ensures that data changes are immediately visible to all users without needing to refresh the page, thereby enhancing efficiency, transparency, and digital documentation. Black-box testing confirmed that all main features function optimally according to user requirements. This system not only streamlines the process for students, lecturers, and administrators but also provides historical data for academic evaluation, demonstrating the author's competence in developing digital solutions.

Keywords: Web Information System, Final Project, Online Guidance, Final Project Assessment, Google Firestore