

ABSTRACT

One of the programs is the advanced study plan program for competency development of lecturers at the Faculty of Industrial Engineering (FRI) at Telkom University. Within the Faculty Staff Development Program (FSDP), monitoring activities for lecturers pursuing advanced studies are still carried out manually and conventionally, without an integrated information system. However, the monitoring process still faces challenges. Currently, data is collected using Microsoft Excel and personal communication, making it unintegrated, not real-time, and difficult to access by parties who need it for decision-making purposes. In this Final Project, a Management Information System (MIS) was designed using the waterfall method, with main features including a dashboard to view summaries and recapitulations of documents, document upload and verification for advanced studies, monitoring lecturer and document status, and automatic notification reminders.

The system was verified using black box testing and validated through a User Acceptance Test (UAT) to ensure that the system meets the needs and expectations of end users. The test results show that the designed Management Information System meets user requirements and is considered feasible, with a suitability percentage exceeding 80%, which falls under the "very good" category. The Management Information System is designed to assist FSDP in monitoring advanced studies, which was previously done manually and in a non-integrated manner. With this system, the monitoring activities for doctoral study reports of FRI lecturers can be optimized and simplified.

.Keywords: monitoring, recapitulation, FSDP, Management Information System (MIS), Waterfall