# ABSTRACT

The D3 Software Application Engineering program at Telkom University has developed a final project monitoring application that integrates various processes involving the final project management team (Tim PA), lecturers, and students. Students can propose project titles, view offered titles, form groups, verify their GitHub accounts, submit artifacts, and download final project documents. Lecturers can offer topics, manage supervision, track the progress of their supervisees' applications, provide monitoring and evaluation (monev) assessments, view assessment results, and download final project documents. Meanwhile, Tim PA can monitor progress and manage final project data.

However, the monitoring application lacks features for scheduling final project defenses, evaluating the defenses, and managing administrative documents for the defense. The scheduling of defenses, which is currently done manually by Tim PA using Microsoft Excel, poses a risk of input errors. The evaluation of defenses is also conducted manually in hard copy by lecturers, reducing efficiency. Additionally, student data must be manually entered using Microsoft Word to complete the administrative documents for the defense.

Therefore, a system will be developed to assist the PA Team in managing the defense schedule by allowing them to upload a .xlsx file from LAK, which will then be processed using PHP Spreadsheet. Administrative defense documents will be generated using the Dompdf library. Moreover, this new system will enable lecturers to directly input defense scores through the application, eliminating the need for hardcopy and improving the efficiency of the assessment process.

The system development method used is Agile Software Development. The addition of these features aims to increase efficiency in managing schedules, handling defense administrative documents, and reducing the potential for input errors.

**Keywords**: PA Monitoring, Trial Scheduling, Trial Files, Trial Assessment, Final Project.