

## ABSTRACT

The remedial exam is one of the requirements that must be followed by students who have reached the end of the study period or will conduct a final trial. The maximum number of remedial exams that a student can take is one course at each level. Remedial exams are conducted individually on a case-by-case basis. In practice, the examiners of remedial exams are lecturers who have been assigned, so that the schedule for the exams to be conducted is regulated independently by students and examiners. Due to the previous process being carried out independently and requiring more time, therefore we need a system that can simplify the remedial exam management process. However, there are some limitations to the problems that exist in this final project, such as the application can only be used within the scope of the FTE (School Of Electrical Engineering), the data used in the database is the data recorded in the LAA (Academic Administration Service) FTE, and changes in grades will do input manually to igracias.

This remedial exam management application was built using the PHP programming language, as well as using the Laravel framework, and the implementation of a database in the form of MySQL. As a step to simplify the remedial exam management process there are several features that will be added to the application. These features such as; the submission process, decision making, sidang akademik, implementation of remedial exams, to changes in grades. The features will run according to the user role. Role users include students, lecturers, and LAA. The results of this final project research through alpha testing, the application system is able to function according to what was designed. In beta testing conducted through a questionnaire, the results obtained were 94.29% of respondents, agreed that the special exam management web application helped in the special exam management process.

**Keyword:** Remedial exam, Management, Application, PHP, Laravel.