

ABSTRACT

The final project is one of the main requirements to graduate from a higher education institution. In the scheduling process of the final project defense in the S1 Computer Engineering program, it still uses manual methods, causing the scheduling process to take quite a long time. Therefore, this study aims to create a final project defense scheduling information system using Genetic Algorithm.

The final project defense scheduling information system will be built as a website using HTML, CSS, and JavaScript for the frontend and Python for the backend. The framework used is Django and bootstrap, and the database used is MySQL. This system will have 6 types of users, namely admin, LAA, supervisor lecturer, proposal class lecturer, functional lecturer, and students.

With the existence of this final project defense scheduling system, it is expected to help lecturers and students in the final project process. In addition, this system is also expected to facilitate the digitalization process of education in Indonesia. The ultimate goal of this study is to create an efficient system that helps the final project process.

With this system, scheduling the thesis defence of the Computer Engineering major using genetic algorithms is able to provide solutions that are more efficient and effective than manual scheduling methods.

Keywords: *Website, Final Project, Django, Genetic Algorithm*