ABSTRACT

The final project is one of the graduation requirements for D3 students. However, students are often faced with difficulties in choosing the title of their final project and the final project supervisor. These difficulties can be caused by several things such as: lack of references, laziness, difficulty managing time, and lecturers who are difficult to find.

Before working on the final project, students are required to determine the title or topic that will be worked on, this is an important step because it will determine the what kind of project being worked on, the topic or problem raised, as well as the solution to answer the problem. However, students often find it difficult to determine the title of the final project and determine the supervisor.

Therefore, a tool is needed to help students determine the title of the final project and determine a supervisor who is suitable for the title of the final project they will be working on. Discovery Idea is a website that provides recommendations for final project topics or titles, supervisors to students who need them. Apart from that, this website also provides recommendations for reviewer lecturers and examiner lecturers to the final project team.

Discovery Idea uses machine learning to provide the topic or title of the final project, supervisor, reviewer and examiner. By grouping each topic that has previously been submitted, this machine learning model can provide recommendations for new final project titles or topics. The clustering algorithm used is the K-Means algorithm.

Keywords: Clustering, Machine Learning, Final Project Topic, Website