

Abstract

Guardianship activities at a university is one form of academic services provided to students. This activity carried out in order to guide and provide useful information related to the implementation of the student's study. One of the information can be given to the students was a recommendation in determining a student's study plan, in this case the determination of the appropriate skill groups (KK) with the ability of students, and also the recommendation of the course that should be repeated.

A student must determine an appropriate plan of study with their abilities and interests, because if not, then the student will have difficulty in carrying out the lecture. Therefore, it needs a guardianship applications that can help solve these problems. Guardianship application is needed both by student or guardian lecturer. Because of the presence of the applications will facilitate guardian lecturer in providing advice and determination of a student's study plan. This application accepts input in the form of courses taken by the student, along with its value.

The method used to build this application is the classification method, using the SLIQ algorithm and also MDL and REP pruning algorithm. The model used for the application of this classification method is the decision tree. Decision tree is a decision support tool that uses a tree-like graphs. By using the decision tree, it will be determined the attributes that are important, so as to obtain the rules for determining recommendations to students.

Keywords : Guardianship, Classification, Decision Tree, SLIQ, MDL, REP.