

Abstract

Guardianship is an activity that is conducted between the lecturer and their student. The objective of this guardianship is to discuss the problems faced by students with their subject; one of the problems is in the determination of many elective courses for students who are confused to choose elective courses that provided.

Therefore, that will be created a system that is a part of the guardianship application that serves to assist the lecturer in providing recommendations to their student's course selections. The system utilizes data mining technology by applying association methods to get information from a data value of students. With the association method, the lecturer can see the pattern of propensity score students taking compulsory courses of informatics with elective courses taken.

The algorithm used to build this application is Pincer Search Algorithm. This algorithm uses the two-way (two-way search) approach to generate the frequent item set that is bottom-up and top-down search engines. So by using Pincer Search Algorithm can produce some rules associated with time more effectively.

Keywords : trust, subject choice, data mining, association rule, Pincer Search