ABSTRACT

At a university, in the processing of scholarships which have a lot of data entry. It difficult for the directorate of student affairs to manage data manually with takes too long. The classification training data using WEKA by id3 decision tree algorithm for the predicting the scholarship grantee. This research used 290 student data training which is do identification of candidate scholarship grantee.. And the The data taken from the directorate of student affairs (DITMAWA) such as GPA, income of parent, semester, and age. In this application, the output are divided into two criteria or status applicant. There are list of student who get scholarship and list of student who failed to get scholarship. The accuracy result of the research is 0.851 (85.1 %) which mean that system is successfully predicting the scholarship grantee of student i-e 247 of 290 has been correctly classified.

Keywords: scholarship, data mining, weka, id3 decision tree, confusion matrix.