

ABSTRACT

NAIVE BAYES CLASSIFIER APPLICATION IN CLASSIFYING TOPIC OF PROPOSAL SKRIPSI

In dividing proposal skripsi according to actual topic sometimes need to read and sometimes need to read over and over again so this will be take time. So an application for classifying proposal skripsi automatically required for solving the problem so the topic of proposal skripsi fit with existing topics. One of algorithm that can implemented to that application is naive bayes classifier. The principle of this application is input the training data and next training the data the next step is input the proposal data that want to be checked it's topic and finally the topic of that proposal will be displayed. Application design with waterfall method and created in PHP programming language with MYSQL Database. Data to be used is from data proposal at Faculty of Science Technology Catholic Musi Charitas University informatics study program with total data 29. Final result of this research is an application that can classify proposal skripsi automatically with average precision 87.5% and recall 75%, while the testing of precision and recall in 2 topic and the topic name is Algorithm and Data Structure, Artificial intelligence and Robotic.

Keywords: Classification, Naive Bayes Classifier, Proposal Skripsi