

ABSTRACT

The suitability of choosing a final project supervisor for students has an important role in supporting the success of the student's final project. Students need a supervisor to provide input and direction in understanding the topic and being able to complete the selected final project case study. In determining the supervisor at Telkom Institute of Technology Surabaya, it is still done by a manual system, of course this is quite a long time because it is necessary to do research and adjust the proposed title with prospective supervisors who have expertise in line with the title chosen by students. On the basis of this, an automated system is needed that can provide recommendations for supervisors, the system can also be built by utilizing text mining and the naïve bayes algorithm as a simple probability-based prediction technique that can display the probability of each word relationship in the selected research title with the expertise of the lecturer. The resulting recommendations are based on training and testing that has been done using research data that has been done before at the Faculty of Information Technology and Business, the output issued from the system has shown quite appropriate results with an accuracy of 70%, in general this research can be used to help students of the Faculty of Information Technology and Business in determining the appropriate supervisor.

Keywords: Final Project, Text Mining, Naïve Bayes, Web