Abstract

Research papers have important role for study of literature purposes. However, its availability has become its own problem, so its required a summary system in order to show information that needed. Points on review such as strength, limitation, and related work is commonly required in a literature research, it cause they are relating to the literature research purposes, such as to search the best method, develop other research, avoid re-create, etc. In this research, we discussed about how to process summarizing research papers automatically, that is by classifying one part which is representing core of the paper which is cititation sentence with used variety of features adjective, verb, noun, unigram dan bigram. Classifier that used is Naive Bayes and Support Vector Machine (SVM). From that system test, it obtained the best combination feature from the test are adjective, verb and unigran from two classifer. The best classifier is SVM, it cause SVM avarage evaluation result is better than Naive Bayes result.

keyword: scientific papers, cititation sentence, combination features, classification