

ABSTRACT

In the globalization era, number of restaurants is increasing. Through several sites on the internet, people can see restaurant reviews provided by visitors. These reviews can be in the form of opinions and experiences while visiting the restaurant. For restaurants side, these reviews can be a media for analysis regarding the quality of the restaurants they offer. Meanwhile, for the general public these reviews can help find out the quality of restaurants and help them to make decisions to choose the restaurants to be visited. However, the reviews are very numerous and varied so that it is difficult to classify these reviews into positive or negative sentiments and to classify them takes time. In this research, the problem was overcome by sentiment analysis using Naïve Bayes method with Adaboost. The dataset comes from the kaggle.com site which contains restaurant reviews from the tripadvisor.co.uk site and in English. The system that was built will be validated with 10-fold cross validation and its accuracy was calculated. The results showed that the best accuracy Naïve Bayes uses TF-IDF for feature selection is 99.5% and Adaboost does not have a significant impact on increasing the accuracy of Naïve Bayes.

Keywords: sentiment analysis, restaurant reviews, naïve bayes, adaboost