

## Abstract

With the development of Internet technology, the information obtained is increasingly diverse. Some of the textual information contained in the online media such as blogs can be an opinion. Opinions can be *classified* into two categories, namely positive and negative opinions. The existence of these opinions are very important for a company as a benchmark for the market success of a product. Analysis of the opinions is important because it is useful to identify the product or market trends for the company, so it can be taken the next strategic steps. Subjective *classification* process can be done with one machine learning method, namely *Support Vector Machine* method. *SVM* has a better performance compared to other machine learning methods. In this case, the method will be compared to the performance of *SVM* with *Linear* kernel and *Radial Basis Function (RBF)* kernel or the so-called Gaussian kernel. In the representation of the input data for machine learning using both kernel called lexical dictionary Indonesian sentiwordnet. And the results show that with longer data characteristics are better able to be mapped in a higher dimensional space, so the accuracy is better with *RBF* kernel *SVM*, while the data with shorter sentences have better accuracy with *SVM* linear kernel with certain parameters.

Keywords: *Support Vector Machine, Linear, Radial Basis Function*