
Abstract

Sentiment analysis is a field of study that analyzes people's opinions and sentiments to a problem. The issue raised in this case is the COVID-19 outbreak that befell the world. In this case, sentiment analysis is carried out to analyze What is the public opinion about the handling of the Covid disaster in at the beginning of the year? 2020 on Twitter social media. The dataset used is *tweets* related to handling the Covid disaster in early 2020 in on Twitter social media. Dataset will go through the process of labeling, preprocessing and word weighting before it can be used, then divided into training data and test data. For word weighting, the method used is Term Frequency – Inverse Document Frequency (TF-IDF) method. This method is expected to do the word weighting well. For sentiment analysis, the method used is Support Vector Machine (SVM).. This method is expected to knowing the public's view of the COVID-19 pandemic situation, Sentiment analysis is carried out with the aim of being able to help the government take appropriate steps based on the conditions of people from various countries. From this research, sentiment analysis was generated using Wordcloud with the aim of knowing the words that often appear in the model from positive and negative classes, and also for the best model by using the RBF kernel and without using stemming and producing a precision number of 0.72 or 72%, recall of 0.71 or 71% and an f-1 score of 0.71 or 71% with an accrual of 0.72 or 72%,

Keywords: sentiment analysis, SVM, Twitter, Covid, Term Frequency – Inversed Document Frequency (TF-IDF), Support Vector Machine (SVM).