

Abstract

News service providers in publishing news should not have a bias or sentiment in terms of politics to keep news quality. The closer the 2019 President and Vice President Election makes the news about Jokowi-Ma'ruf and Prabowo-Sandi incessant. The problem is how to determine a news text that have positive or negative sentiments to one of Jokowi-Ma'ruf's or Prabowo-Sandi's camps with high accuracy. In this final task research, the authors made two news text classification systems, first for the Jokowi-Ma'ruf camp and the second for the Prabowo-Sandi camp using the Support Vector Machine method with weighting using the TF-IDF method. This study uses the TF-IDF weighting method on all preprocessing words and the weighting results are processed using Support Vector Machine using three kernels, radial basis function, linear, and polynomial. From the results of experiments on the Support Vector Machine model for the Jokowi-Maruf camp, the best accuracy results were obtained from the 90% training data scheme and the 10% test data using a linear kernel with an accuracy of 93.33%. For the experimental results of the Support Vector Machine model of the Prabowo-Sandi camp, the best accuracy results were obtained from the 90% training data scheme and the 10% test data using a linear kernel with an accuracy of 83.33%.