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## Abstract

One of the popular social media is Twitter. Many people pour out their opinions or thoughts through Twitter tweets, including as in the present time the community is giving a response or commenting via twitter about political events and presidential elections, the comments not only contain positive things, but also comments that are found negative. The advantages of Twitter are that it can be accessed by all people and circles so that it can be used to introduce candidates who are supported, fight opinions, argue, to create news or opinions that are false to attack political opponents. This final project aims to find out the political sentiments of Twitter users towards the presidential election using the Support Vector Machine method by weighting the TF-IDF. SVM can be used to classify sentiments of data or sentences obtained from twitter status. System performance is measured based on Confusion Matrix and accuracy. The highest accuracy value obtained in this study was 62.88% with TF-IDF using a combined form of the words Unigram, Bigram and Trigram. The SVM concept can be explained simply as an effort to find the best hyperplane that functions as a separator of two classes in input space.

**Keywords:** *social media, twitter, text maining, support vector machine*

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