

Abstract

Social networks have become a widely used and popular media for disseminating information and facilitating social interaction. User interaction provides valuable insights about individual characteristics and behavior. Twitter is a microblogging service. The main activity of Twitter is posting short texts (tweets) via the web or mobile. Personality is a unique attitude towards someone in their behavior. To find out someone's personality based on the statuses (tweets) they wrote on Twitter, a text classification technique was performed using the Multiclass Support Vector Machine method. The language used is Indonesian. The test results using 10 Fold Cross Validation show the accuracy obtained by using the One-against-One and One-against-All strategies and compare the use with and without Symbol removing. The experimental results obtained using One-against-One with and without Symbol removing produces an accuracy of 86.55% and 86.88%, while using One-against-All with and without Symbol removing 85.24% and 85.07%.

Keywords: *personality, Twitter, text classification*