Abstract

Now social media is growing very rapidly, many people interact with using social media, social media and even millions of users create status and exchange opinions on various aspects of daily life. Through social media one can freely express their feelings, opinions, and thoughts that are not directly written on the social status of the media showed facial expressions and behavior. Unlike the regular communication that interact directly with the people who talk in which emotions can be directly known. To know one's emotions in social media needs to be done preprocessing and analysis on the status of a person written .

This final project aims to determine one's emotions in social media by way of analyzing and classifying the status written into five types of emotion that is angry, sad, happy, fearful, and neutral. Dataset that will be used in this research is taken directly from www.twitter.com. The method applied in this study using the method of multiclass Support Vector Machine (SVM). Multiclass SVM method to classify the data over two different classes with common SVM can only classify only two classes only. Tweet classification into a kind of emotion not only classified based on the words contained in the tweets but also based emoticons and hashtags. Emoticons and hashtags used for the classification of emotions as emoticons and hashtags can describe an emotion in a tweet. Therefore social media especially twitter, is a very resource rich data to identify the nature and character of a person.

Keywords : *Emotion , Social Media , Classification , Multiclass SVM*