

## ***ABSTRACT***

Opinion is a medium to express one's feelings which usually there has an emotion in the opinion. In everyday life, emotions expressed non-verbally by pointing out facial expressions and behavior. But in the world of internet, regular communication is done on the basis of the text can not show emotions directly. To be able to know the emotions contained in the text, is necessary to the interpretation of the meaning of language that has been submitted by a person or user.

To overcome the above problems, there need to made an application of classification method to a collection of opinion sentence to determine what kind of emotions that exist in the text. Emotions are grouped into five classes, namely emotions of fear, anger, disgust, sadness and happiness. The method applied in this study is a method of classification schemes VSM (Vector Space Model). This method is suitable in classifying data based on text by altering documents and a query vector to quantify the similarity of the two vectors. Dataset that will be used is from the dataset ISEAR (International Survey on Emotion Antecedents and Reaction) and WordNet Affect Emotion List in English, it will be translated into Indonesian.

Classification of emotions using VSM method produces a classification accuracy of up to 94.32% with a five-class emotion on the amount of training data is 80%. This method works by calculating the term weight of a collection of training documents and get it into a vector so the similarity value can be calculated to result the classification of emotions in the training data. From the experimental results with using dataset ISEAR concluded that the more used of training data, the higher level of accuracy of classification can be obtain.

**Keywords:** classification of emotions, opinions, classifications, VSM (Vector Space Model)