

## Abstract

Song Emotion Classification based on lyrics can make it easier for song listeners to choose songs according to mood based on a category of good, sadness, love, anger, happy, and so on. Classification on the scale of large data will be difficult to do with manual methods and therefore it is necessary to use text mining. Song Emotion Classification is included in the branch of Music Information Retrieval. One of the fastest methods in Classification is Naïve Bayes, and a more specific method is Multinomial Naïve Bayes. Research on classification of song emotions in fact have been carried out but using lyrics in English, while the lyrics in Indonesian are very rare, the use of Stemming with Nazief-Andriani Algorithm, weighting *TF-IDF*, Cross Validation and Multinomial Naïve Bayes (MNB) was done in this research. MNB is a very well-known method and is often used for classification research. Before the data classification results are known, manual labeling is done, then the data is through the preprocessing, feature extraction, weighting and feature selection stages, cross validation, then classification using the MNB classifier. The classification process of love, sad, angry, happy using MNB, stemming and *TF-IDF* gained the highest accuracy value of 77.50%, and 81.66% without stemming.