

## ABSTRACT

Every human being is naturally experiences various emotions. Emotion is a person's feelings into something that affect person's behavior itself. Emotion is subjective and temporary that occurred or triggered by a stimulus such as experience from other people around him and the environment. One of the environment that can trigger someone's emotion is from the song being listened to.

Songs are music that consists of a regular arrangement of tones and there are lyrics inside. The tones are usually called melodies, and lyrics called as poem or words that are voiced together along melody. Song lyrics are parts that can build emotions. Choosing the right words for lyrics are very important because it will create the right emotion. Then, choosing the right songs to listen is also important.

In this final project, writer made a system that can classifying emotion from a song lyrics. Using one of the method in data mining which is k-Nearest Neighbor Algorithm. After the creation of this book, this system can be used as a classification of emotion based on Indonesian song lyrics within the average of accuracy is 75%

Keywords: *Emotion, Data Mining, K-Nearest Neighbor*