ABSTRACT

A song is a unity of sound that contains a tone and there are lyrics in it. In a song can contain a variety of emotions, emotions in the song can arise because of the combination of lyrics with tones that can make a very beautiful sound and harmony.

In this Final Task will be done emotional classification on the lyrics of the song. This research began with the collection of datasets in the form of song lyrics from https://lirik.kapanlagi.com/ website, https://liriklaguindonesia.net/, and http://liriklaguanak.com/ as a provider of song lyrics. Then preprocessing data consisting of case folding, tokenizing, stop removal, and stemming. After that, the part of speecs (POS) tagging process is done to label the word in the text according to the word class automatically. The process of labeling a word whether it's a verb, adjective, or description. To be able to determine the emotional lyrics of the song according to what we listen to, it takes the right method and the method to be used is the Naïve Bayes Classifier and Partcile Swarm Optimization methods, as methods used in performing text classification.

In some studies, mentioned that the Naïve Bayes Classifier method shows good results in the case of classification of Indonesian text information with an accuracy of 90% - 96% using inertia weight score 1.0

Keyword*: Naïve Bayes Classifier, Particle Swarm Optimization, Emotion*