

## ABSTRACT

. Human emotions are sometimes only predictable through the facial features of a person or from mimic changes. But it can also recognize the emotions contained in the text. In this study, instead of recognizing one's emotions through text, but recognizing the emotions contained in a textual content.

In this final project built a system that can recognize the emotions contained in a text content. The way this system works is that we take a text content to be input into the system. After that, the text in the input will be processed in the system and in the classification using the JST algorithm whether the text contains elements of happy emotions, angry emotions, or sad emotions. Thus, the output of this system is the level of accuracy generated by the system after processing or identifying the text and categorizing the best match of accuracy, including happy emotions, sad emotions or angry emotions.

Classification method used in this project is artificial neural network Back Propagation hybrid Genetics. From the test results, it can be concluded that the system is good in doing the classification process with a hidden layer with an accuracy of 90.03% of the 60 data that has been prepared.

**Keyword:** emotion recognition, JST, genetic