

## **ABSTRACT**

This research was conducted due to the background of the many weaknesses of the scoring system used. Assessment is still subjective and manual, it is very difficult for selectors to determine positive and negative tones. Therefore, this research was conducted to create a system that uses the complement naïve Bayes classifier algorithm, which produces "Positive" and "Negative" labels which have 8 variables for the process of selecting text or words and then applying them in Python programming. The results of this study are in the form of a system that will have 2 actors, namely students as fillers, admins as survey analysts.

In this final project, an open input classification will be carried out in the evaluation of lecturers by students to find out opinions regarding lecturer evaluations regarding the implementation of lectures by detecting the tone in a survey using the complement naïve Bayes algorithm. Then in this final assignment, the two tones, positive and negative, were made into one class. the data used is from the SAI data provided. And after that, it will be implemented on the website.

The model that has been made will be tested using the confusion matrix method to find out whether the model used to detect tones is said to be good. The results of this research show that the tone detection system has the highest accuracy at 86.21% with an alpha value of 0.6 and a text size of 0.1 and a validation value of 80%.

**Keywords:** *Survey, Naive Bayes, Text Processing*