

## ABSTRACT

In recent months, the trend of increasing GPU purchases, especially the RTX series, is increasing, many people are competing to make PCs to improve performance with WFH (Work From Home) conditions during the pandemic. This increase in the use of the RTX series GPU certainly invites opinions from various circles. This creates pros and cons among PC enthusiasts, especially on some Social Media platforms. From the emergence of these pros and cons, it is possible to extract emotions from comments containing these pros and cons. This method is also known as Sentiment Analysis, the first step that needs to be done to perform this Sentiment Analysis is preprocessing which consists of Noise Removal, Tokenizing, and Stopword Removal. Then proceed with the second second process, namely Feature Extraction with Word Embeddings. Finally, using the Support Vector Machine model for the results of the previously generated Word Embeddings Feature Extraction. Based on the Performance Analysis on the model that has been made, it shows that in this study the Linear SVM kernel showed the best results on all datasets, while the rbf kernel in this study showed unsatisfactory results even though the parameters had been changed to Gamma and C in this study. How modeling with Word Embeddings and Support Vector Machine, especially the Linear kernel, is able to classify a text well and is quite accurate, shows this research as expected. This study aims to analyze the performance of the model in classifying the sentiment of a text with the SVM model

*Keywords : Support Vector Machine, Preprocessing, Word Embeddings*