



**PROJECT REPORT**  
**NEURAL NETWORK FOR TWITTER SENTIMENT**  
**ANALYSIS**

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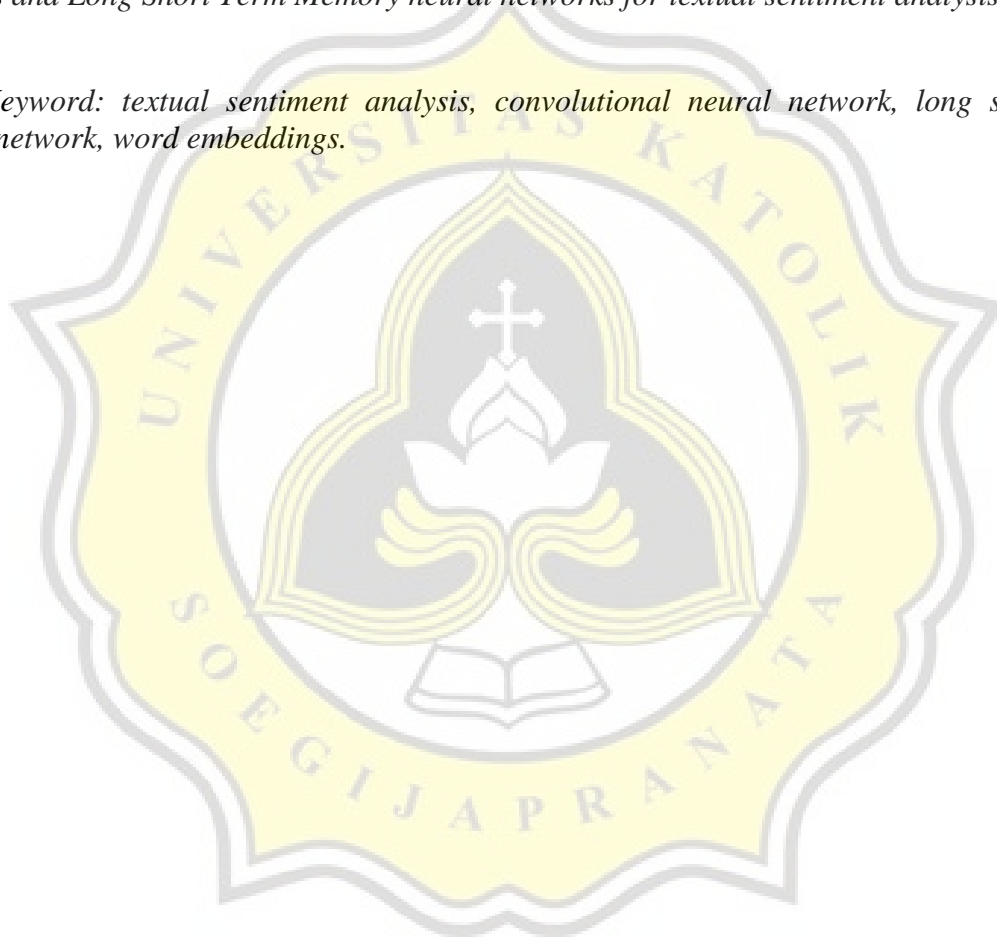
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## ABSTRACT

*Neural networks also known as Artificial neural networks are a subset of machine learning and the heart of deep learning algorithms. Their name and structure are inspired by the human brain, mimicking the way that biological neurons signal to one another. In this case, I tried to prove which neural networks models are better for textual sentiment analysis. Firstly, the step that needs to be considered is to mine the dataset that was needed or we can use the dataset that is ready to use, In, this research, the dataset was taken from twitter by myself using the snsrape python library. To implement the dataset into the models, the data needs to be processed and word embedding needs to be added so that the accuracy can produce the maximum results. The result of this project is to prove which neural network models are better between a Convolutional Neural Networks and Long Short Term Memory neural networks for textual sentiment analysis.*

*Keyword: textual sentiment analysis, convolutional neural network, long short term memory network, word embeddings.*

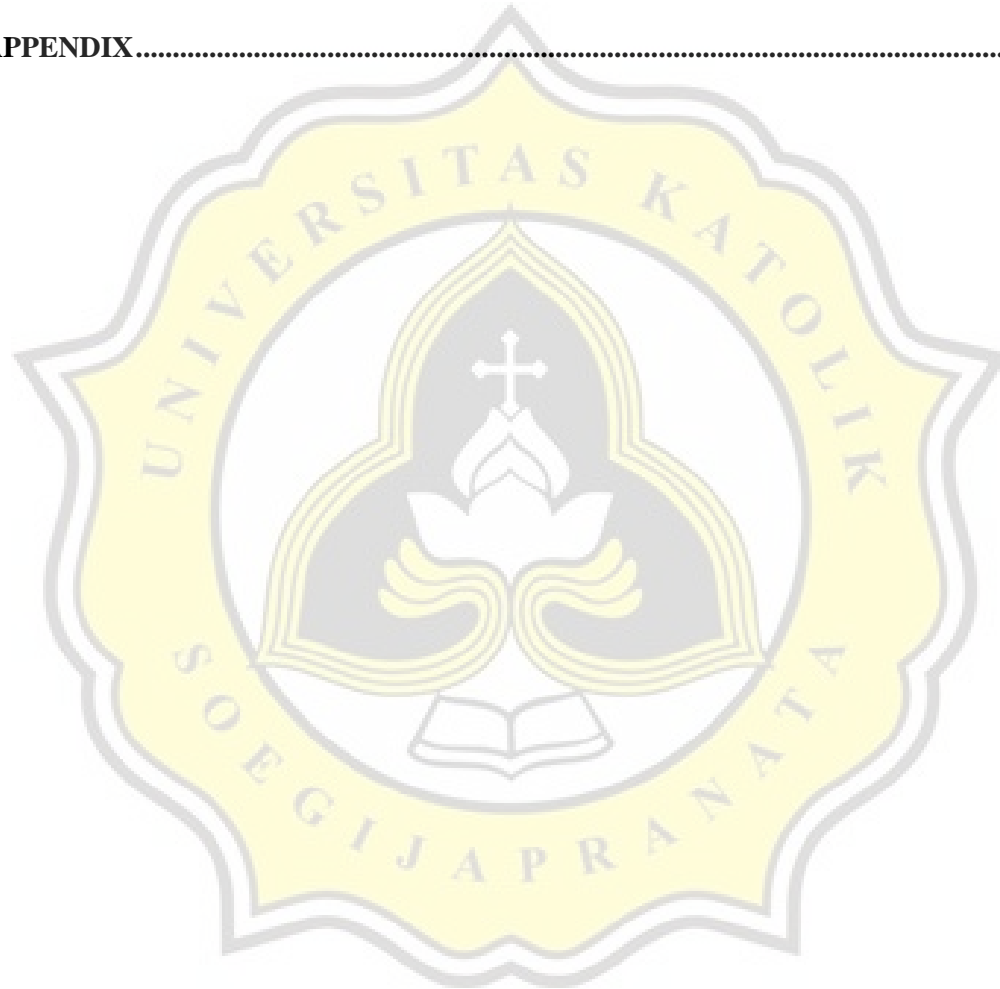


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