

ABSTRACT

This research aims to develop a news text classification system using the IndoBERT and LSTM methods. IndoBERT is a language model developed for processing Indonesian text, while LSTM is a type of Recurrent Neural Network (RNN) that can process sequential data such as text. This research used an Indonesian news dataset and conducted tests using LSTM parameters and the indobenchmark/indobert-large-p1 and indobert-base-p1 libraries. The test results showed that the system using LSTM parameters and the indobenchmark/indobert-large-p1 library had higher accuracy compared to the system using other parameters. Furthermore, this study also demonstrated that selecting an appropriate learning rate can improve system accuracy. These test results can be used as a reference for developing other text classification systems using similar models.

Keywords: Text Classification, IndoBERT, Long-Term Memory, Indonesian News, Learning Rate.