

ABSTRACT

The general election (Pemilu) in Indonesia has always been an intriguing topic for all social media users including on X, or previously known as Twitter. Through users' posts, we can gain an overview of public opinion towards each of the Presidential and Vice Presidential Candidates' by doing sentiment analysis. However, classifying users' sentiments require a significant amount of time and effort due to the large volume of posts available. To effectively and efficiently observe public opinion, this study proposes a text classification method using BERT for word embedding which will be processed using the BiLSTM algorithm model. The dataset used in this study is a collection of posts from X obtained through data crawling using the keyword the name of each Presidential and Vice Presidential Candidates in the 2024 Election. The algorithm's evaluation was done by using the Stratified 10-Fold Cross Validation that the average of the best accuracy obtained from the algorithm is 95,8% with an average Precision score of 93,2%, Recall score of 92,4%, and an F-1 score of 92,2%. The presidential and vice-presidential candidate predicted to win the 2024 Election based on the generated model is the number one candidate pair Anies Rasyid Baswedan and Muhaimin Iskandar.

Keywords : *election, X, sentiment analysis, BERT, BiLSTM*