

ABSTRACT

YouTube one of media social platform whose users can upload video and comment in that video. One of video can be found is about Indonesia National Team Senior football at ASEAN Cup 2024, can be in the form of highlights match until a content creator make a video review about that match. In Indonesia, football sport very popular, with that popular many of the audience comment about performance Indonesia National Team Senior football at ASEAN Cup 2024 in a match. However, not a little comments can be founds is comments toxic, like insults, harrasment, racism, and similiar which was give to players even coach. The purpose from this research is for detection toxic comments with classification use IndoBERT method. This research collect 7.641 Indonesia language comments, with details label toxic get 1.921 comments and label non-toxic get 5.719 comments. With that imbalance this research use a technique called Augmentation Data for fix the problem. The dataset split with percentage 80% data train and 20% data test. This research use a technique regularization called weight decay and dropout. IndoBERT successfully detected toxic comments and obtained the best and most balanced classification results in training and test data with results accuracy 90.73%, precision 93.63%, recall 87.41%, f1-score 90.40% with parameter combination dropout 0.5, epoch 5, batch size 32, learning rate 2e5 and the addition of synonym data augmentation technique. The use of synonym data technique successfully improved the model results.

Keywords: *Augmentation Data, ASEAN Cup 2024, IndoBERT, Football, Senior Indonesian National Football, Toxic Comments*