ABSTRACT

Social e-Learning Desa *application is an application that was built in 2014 with the name Social e-Learning application* BGDPinter. *The application has various features for online learning. In this application, the only drawback is that when the user has written an article, the article written is not classified according to the selected category. This makes it easier for users to search for similar articles while doing learning.*

Social e-Learning Desa *application will develop by building an article classification feature applying the prototype method. The construction of article classification uses the Naive Bayes algorithm to predict article categories. The input data for the implementation are the training set and the test set.*

The implementation of the performance of the Naive Bayes algorithm on the article classification feature will be evaluated to see the percentage of accuracy using a confusion matrix. The results of the evaluation assessment using the confusion matrix, the percentage of accuracy in the test set is 47.8%. The percentage of accuracy is quite low, so to increase the accuracy it is expected to preprocess the data again.

Keywords: Artificial Intelligence, Classification, Confusion Matrix, Naive Bayes Algorithm, Prototype Method.