ABSTRACT

Social e-Learning Village application is an application that was built in 2014. This application has various features for online learning. However, the Social e-Learning application still has not implemented artificial intelligence, so there are still some shortcomings to become a media learning. One of them has not implemented automatic classification for the submitted article. It can make the user get information that is not in accordance with the desired.

Social electronic learning village was developed with an integrated application design using the application of algorithms or the Neural Networks method to support classification modules with the same type of document. Neural Networks method classifies documents sequentially with the same type. The tools used in the development of this application are Java Machine Learning and the method in this research uses Prototype.

Previously, classification was carried out using the Naïve Bayes algorithm and Decision Tree, but for the results there were still some articles that were not categorized properly, because the classification was carried out using the Neural Networks algorithm to get better results than the previous algorithm. The experiment used the same data, namely data training, 255 article data

*Keyword : **Social e-Learning, Neural Networks, Artificial Intelligence, Prototype, data training, Naïve Bayes, Decision Tree.***