

Abstract

As time goes by, many problems faced by humans were resolved with the use of information technology, includes the personality problem. In this final project predicting type of personality using neural network technology is to determine the ability of Artificial Neural Networks in predicting a person's personality type and helping the psychologists to analyze personality in his work.

This final project conducted an analysis of five types of personality using Artificial Neural Networks with Backpropagation algorithm. The best accuracy achieved in the needs of Aggression with 99.1597% accuracy because output data distribution in its needs is more homogeneous compared with other needs. Meanwhile in non homegeneous output data distribution has low accuracy with 64.2105 %.

In the case of personality type introduction, determining the best parameters will be largely determined by the conversion of a great value on epoch and hidden neurons. However, for determining the parameters of learning rate by changing the value does not always result in greater MSE significant changes .

Keyword: Tes EPPS, Kinds of Personality, Artificial Neural Network, Backpropagation, Accuracy