Abstract

Music Instrument Recognition is one of human's capabilities based on musical information which is timbre. That particular skill is being adapted with Artificial Neural Network (ANN), which is Quickprop. Feature Extraction, Feature Selection, and Learning method with Quickprop is necessary to achieve optimum performance in musical instrument recognition.

Scenarios of training and testing is necessary to achieve optimum performance of the sistem. The performance of the sistem after training is 80.52% of accuration and the performance after testing is 77.78%.

Keyword: ANN, feature extraction, feature selection, *quickprop*, timbre.