

## **Abstract**

Music genre is a grouping of music based on similarity of characteristics of the song. Genre considered important for music listener, because with the genre of a song then the search will be easier. A particular genre characterized by timbre of the music, but there are other factors that influence the determination of this genre. Thus, in classification, a genre music is still determined by the subjective views of each individual. Therefore needed a system that is expected to classifying of music genre that seemed subjective and ambiguous.

At the end of this task implemented by the use of Backpropagation for classifying an audio file into a specific musical genre. Backpropagation is one of Neural Network methods of Artificial Neural Networks which are looking for the smallest error by changing the weights on each node at the time of the process of learning to recognize certain patterns, so that the shape function approach the desired target output [2]. Thus, Backpropagation will be able to recognize and classify the genre well. The research was carried out by combining a variety of parameter values Artificial Neural Networks for achieving optimal results in classifying the genre. Based on the evaluation of the tested several combinations of architecture, the system can classify the genre with an accuracy of 94 % for the five genres tested.

Key word : genre, classification, Artificial Neural Network, Backpropagation