Abstract

The development of the music world has changed rapidly in recent years. Occurrences continuously without stopping the new songs make someone have a collection of music very much especially for a music provider server. Of course they require a classification of the songs that they have a server so that users can search for songs according to the type of music they want and the user can hear the songs as they wish for example to hear it msuik pop, jazz or rock alone. Can sort the playlist by genre by type of course would make listening to music more enjoyable.

The categorization of music is traditionally done manually by humans. But the amount of music that appears too much and to prevent human subjectivity classification performed by the computer system would be a good solution. A musical features extracted from the character he will be classified by the Terms of Artificial Network (ANN) to determine what type of music genre.

In this Final Duty will be developed in a music genre classification system by implementing a method of ELM (Extreme Learning Machine) that can rapidly classifies thus allowing the system is implemented in the future, the media player in real time and can provide good classification perfomance.

Keywords : *Genre Music Classification, Extreme Learning Machine, Preprocessing K-NN*