ABSTRACT

In the present time telecommunications technology is not only to send one information from one point to another, but extends for example the music world. With the existence of information signal processing in the world of music, where it can identify information signals on songs, songs are used as the main object due to the rapid development of music entertainment. This research is about verse and reff search by inputting verse pieces and referrals from songs to be stored in a database consisting of 25 pieces of verse and reff data and various genres that are processed manually.

This Final Project uses the Modified Discrete Cosine Transform (MDCT) method, which is to search for referrals and verses on songs automatically. The process is carried out to determine the verse and reff location by using the correlation between frames after the frame features extraction using MDCT.

In this final project, 25 song files on the database resulted in an average accuracy of 75% of the accuracy of the verse location and the reff in seconds from the results of the method compared to the actual location of the results of the separation of verse and reff manually on each song. The best computing time in this final project is 95 seconds with a 1000ms frame for cutting 1 song mp3 file.

Keywords*: Modified Discrete Cosine Transform (MDCT), verse, reff.*