

ABSTRACT

Technological development in this globalization Era today especially computer based information and communication technology grows rapidly, and technology becomes world citizens needs. This phenomenon is caused by rapid development in telecommunication technology. Information signal process is a part of telecommunication technology. Information signal processing is sector very vast, one of them is identifying information signal in a song. Song becomes the main object also because the fast development of music.

In the previous researches an application has been made to detect title of a song by using characters extraction. The research records a song from beginning until the end to get a title. But the system is still manually decide which part is the verse and the reff of the song. That is why researchers that work this final project will develop a new potential where the verse and reff will be detected automatically, with condition to listen the first part of the song. By exploiting the the development of audio processing that really helps the development of digital music industry, system that will be made using song as input which then do a search to determine the similarity of distance between the length of the same pattern using the Correlation Method.

After trials using different scenarios on the designed system, some accuracy is acquired. Testing scenarios is done on frame size of 250ms, 500ms, 750ms, 1000ms and 2000ms. Result of the trials shows that system produced a good accuracy on 1000ms and 2000ms frame size with 92% accuracy value. And good computation time goes to 2000ms frame size with 2,9s for character extraction and 4s of verse and reff detection.

Keyword: Detection Verse and Reff, Correlation