

## ***ABSTRACT***

At present the development of technological progress in the field of digital signal processing has grown rapidly. One of the development is in digital music processing. The application of this digital music is to determine the parts of the song like verse and reff. With this, got the desired parts. Therefore, in this study, the author made a simulation of a part of verse and reff, by hearing the first part of the song.

To apply this research idea then needed a method. This study used a predictive extraction method. These methods applied to Matlab programming software. This designed system will determine the next verse and song reff, on condition.

After testing with different scenarios on the system designed then obtained some accounting results. To test first, ie on the verses and reff songs, with a nice window frame size scenario to use, try framing the windows 250ms, 500ms, 750ms 1000ms and 2000ms. From the tested results, the two (verses and reff), get good results on the frame window 2000ms, which is 100%, with each genre songs. In the second experiment, by comparing the order used. The tested order is 2, 4, 8 and 12. The song data from each order, received with 36 songs. Once tested, can be analyzed and accurate, for the order 2 gets 91%, order 4 gets accounting 94%, and the order 8 and 16 each got 97% accreditation.

Keywords: Verse Song, Reff Song, Linear Predictive Coding (LPC)