ABSTRACT

In playing music include gamelan music, the music player can’t get warranty of playing the instrument with the right notation. To know the right or wrong music playing, analysis of music recording that being played is needed by transcripting the music into song notation. To obtain the song notation of gamelan music, process of sound extraction of each instrument is needed. Sound extraction in this research is using band pass filter.

This research is using band pass filter to transcript musical notation by extracting the sound of tones of gamelan’s instrument. From the test results obtained for the NER percentage of 0% synthetic music, musical instruments comprising acoustic1 saron and bonang NER percentage of 9.18%, consisting of musical instruments acoustic2 saron and peking NER percentage of 0%, and musical instruments comprising acoustic3 saron and demung NER percentage of 0%. Acoustic1 musical instrument consisting of bonang and saron have the highest NER percentage, because bonang have a fundamental frequency equal to saron that affecting the performance of extraction.

Key Words: Gamelan, band pass filter, extraction
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