ABSTRACT

Angklung is one of the Indonesian traditional music instruments which is until now most people still need someone's help for playing it. One of the reasons is the unability to detect the correct tone. So, a way to find out the correct angklung tone from a music composition without trainer's help is needed.

In this Final Project, an application to detect missing angklung tone has been created. The idea is to compare the perfect tone music and missing tone music. The frequencies from each music is translated into tones then these tones from each music are compared. The parameter measured is the accuracy of missing tone detection by this application.

This application uses the Continous Wavelet Transform to analize the signal. The Continous Wavelet Transform maps the frequencies of signal to time so that the missing tone and the time this tone should appear is detected.

From the test results can be found that the Continous Wavelet Transform can be used to detect the angklung tone and the detection result is used for missing angklung tone detection with the accuracy up to 100%.

Keyword: *angklung tone, frequency, and Continous Wavelet Transform*