

ABSTRACT

The larger the base frequency sound waves, the higher the resulting tone. The smaller the fundamental frequency of the sound waves, so the lower the resulting tone. Everyone has different abilities, this affects the difficulty for every person in determining the accuracy of pitch in tone solmisasi learn especially for beginners. This study aims to create a knowledge learning solmisasi tone, in which there is a high-low tone composition determined by the fundamental frequency sound waves using Wavelet Transform, which is a method that is analyzed through the application of mathematics on the transformation of sound waves into the computer. The research resulted in an application that can perform detection on tone pitch by calculating fundamental frequency wave tones with frequencies fixed standard of this research can be obtained information tone, pitch values and Euclidean Distance value so that someone who wants to train vocal can easily learn solmisasi with practical as well as to know the kind of sound that is owned by its ability to detect pitch tone.

Keywords: *Solmisasi, Frequency, Pitch, Wavelet transform, Euclidean Distance.*