Abstract

In the field of sound art, sound distribution becomes very important to put into practice. But there are limitations in humans in recognizing the division, which consists of several kinds, and sometimes almost sounds like the kind one to another. At this final project will be designed a system capable of converting the tone soprano to alto and tenor tones. The system is designed utilizing wavelet transforms and Artificial Neural Networks, Wavelet Transformation but not included in the final project study. The input system using a guitar melody and the output of the system is expected not alto (lower tone) and not tenor (higher tone).

The Artificial Neural Network (ANN) is the most appropriate learning method used in building conversion system of soprano to alto and tenor notes because the benefits are able to perform certain tasks such as pattern recognition with very high effectiveness.

The test results obtained from ANN method can be used for the conversion of soprano to alto and tenor notes with with the output level of accuracy to 80% based on the suitability of the alto and tenor notes with the sopran notes.

Key word : *Conversion, Notes, Wavelet, ANN*