ABSTRACT

Voice Recognition is one of the most commonly used uses today, both in the use of machine learning and artificial intelligence. In the use of voice recognition many types of sounds that can be given depend on gender, age, and genes from birth, the sound has a variety of signals and varies greatly, especially in the pronunciation of various 26 alphabets.

This final project discusses the analysis of how the differences in sound in children with adult voices to implement the pronunciation of various alphabets using the MFCC and DTW methods. By taking a number of samples of various children's voices then compared with adult voices, the method used is the extraction method on the sound that is Mel Frequent Cepstral Coeffisient (MFCC) and do the matching process using the Dynamic Time Warping method, with a matching accuracy level is 89,48% The results can be determined by conducting several tests as well as continues testing.

Keywords*: Voice Recognition, MFCC, Interactive, DTW, Audicity*