ABSTRACT

Teks-to-speech represent the convert method from text to voice. With this method enable the computer to alter a sentence in one Ianguage become the voice form. This technological able to assist human of accomplishment of information requirement instantly. Through this technological aid in one activity session, human able to get the information at one blow conduct the other activity without having to focused at which is being read.

In this Final Duty, audio data got by the recording process and yield the phoneme data that it is kept in format of Windows PCM (.wav) with the quantization equal to 65.536 level quantization. Research will be done by using Java programming language as assistive appliance. Method of intake voice data adapted by a common method of dismemberment of vowel and consonant in Indonesian.

End result from this final duty is an application of text-to-speech Indonesian base on the Java. Text input which can disynthesized is input of word or Indonesian sentence according to syllable method of vowel, consonant, and number. The result is audio synthesize with the frequency among 20 until 20.000 Hz. Voice quality yielded later, then analysed through MOS method.

Key word: Text-to-Speech, Phonem, Indonesian