

ABSTRACT

Text To Speech (TTS) is a system that can convert any text to be a speech. A speech synthesizer system or Text to Speech in principle consists of two sub systems, that are Text to Phoneme Conversion and Phoneme to Speech Conversion. This system will accept the input shaped of text sentence and will convert the text sentence to speech signal as output. This language technology application has many advantages, specifically for Indonesian.

In this final project, a text-to-speech software is implementated as one of the advantages from a language technology aplication, that is telephony application. TTS which can covert SMS text to a speech until this SMS can be listened.

Converter of SMS text to a speech software is build from programming tool Borland Delphi 7.0 and also text-to-speech modul IndoTTS that created by Arry Akhmad Arman from Electrical Engineering Ministry, Institut Teknologi Bandung. IndoTTS is the first Indonesian TTS that convert any Indonesian text to Indonesian speech.

This converter of SMS text to a speech software can help receiver of SMS specially if the receiver of SMS cannot be read the SMS (for example blind) or for receiver that his telephone has no SMS ability so SMS can be read received by listened.

Keywords : *SMS (Short Message Service), Text To Speech (TTS), IndoTTS, Phoneme, Diphone*