PROJECT REPORT

VOICE RECOGNITION MORSE CODE TO TEXT

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APPROVAL AND RATIFICATION PAGE

PROJECT REPORT

Voice Recognition Morse Code to Text

by

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Certify that this project was made by myself and not copy or plagiarize from other people, except that in writing expressed to the other article. If it is proven that this project was plagiarizes or copy the other, I am ready to accept a sanction.

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ABSTRACT

Morse code is a method of transmitting text information as a series of on-off tones, or clicks that can be directly understood by a skilled listener without special equipment. [1] This program a research techniques to translate Morse sound into letters/alphabets that can be read by unskilled person. In this study I tried to translate the morse sound in wav format audio file. The wav audo file can be created with these three methods:

1. Using Morse code application that makes sound Morse. The generated tone as dash and dit. if dit (.) 700hz frequency sound will sound for 500ms and if a dash (-) sound with 700hz frequency sounds for 1000ms.dengan inputannya ie morse code.

2. Using manual Morse code with no microfone but using cable. The sound of a sine generator applications on the tablet and then recorded by the aplication that is used to capture the sound of the mic using the cable to avoid noise.

3. Using open microfone is to create a sound of sine generator applications on the tablet such as the manual method was then recorded by the program that is used to capture the sound of the mic without using cables.

The results showed that these programs are implemented with Java object is able to provide solutions to accurately read a wav audio file from Morse Code Machine but not to accurately read a wav audio file of the manual using cable and on the open microfone although give error handling if this program has not exactly translate.

then there are sugestion word the possibility arises.

The term java Object, translating sound morse code to text.

[1]From : http://www.wikipedia.com/

FOREWORD

The end of my project **Morse Code Recognition to text**. The program is extremely difficult within 4 months. With the presence of many errors and many times to fix the program. This program can be so perfect, because my supervisor to help me and give me suggestions for completing this project. And thank you for all the prayers and blessings:

- Jesus Christ and the Virgin Mary who gave me the blessing and enlightenment to complete this project.
- My Mother Yustuti Lestari who helped me in prayer and spirit and My Father Yoshwa Poerwoko to assist me in maintaining the health and prayers are always with me, My Sister Priska Yolanda, Asteria Trixie Nadia that make food for giving me the strength and and My Brother Andreas Edwin who give me spirit.and My Boyfriend who always petrified prayer and tireless encouragement.
- Unika Library and TA room as a place to make this program a quiet place so that I could make this program to completion. And assist me in finding a journal that I will use in the making of the program.
- My supervisor Suyanto who helped me in finding algorithms, data structures and to assist me in making the title and the data that will be used.
- All my friends from the Faculty of computer science who helped me when there are errors in the program.

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Tineke Sandra L

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