

Universiti Teknologi MARA

**Speech Recognition for Malay Language
To Command & Control Computer Program**

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DECLARATION

I certify that this thesis and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

MAY 31, 2007

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ABSTRACT

Speech recognition systems has been well-used by many people around the world. However, most of the systems are in English language and not suitable or unable to recognize speech in Malay language. This is due to the recognition engine is built specifically to recognize speech in that particular language only. The objective of the research is to develop a speech recognition system that able to recognize spoken word in Malay language and to perform typing simply by speaking. The analysis, design and development of the automation system are done in MATLAB, in which an isolated word speaker dependent speech recognizer is developed.

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