Universiti Teknologi MARA

Computer Technology For People With Visual Impairment: A Study For Malaysian Association For The Blind (MAB)

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Thesis submitted in fulfillment of the requirements for Bachelor of Science (Hons) Business Computing Faculty of Information Technology And Quantitative Science

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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

ROZIANA BT TAMERIN

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ABSTRACT

People with visual impairment face difficulties in accessing computer. They need a specific device or assistive technology that enables them to access computer. There are many assistive technologies that had been introduced mostly at First World country. For example, assistive technology for visual impairment and sighted impaired people such as computer screen readers, screen magnifiers, Braille displays, voice input software, Braille embossers or Braille printer, stand alone products and so on. This kind of assistive technology have given such a big contribution for visual impairment and sighted impaired people. It is because, through this assistive technology, they can experience a growth of technology like normal people and thus can increase their computer literacy. So this thesis purposely will identify the characteristics of computer equipments used and also the visually impaired people acceptance towards these technologies. For this thesis, the scope for the research will focus on the Malaysian Association for The Blind (MAB). Questionnaire distributed and interview sessions conducted will produce significant results and findings towards achieving the objectives of this thesis.