

UNIVERSITI TEKNOLOGI MARA

**BRaille KEYBOARD
APPLICATION FOR VISUALLY
IMPAIRED AND BLIND PERSON**

MUHAMMAD MUIZ NORFALIZAN

BACHELOR OF COMPUTER SCIENCE(HONS.)

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Universiti Teknologi MARA

STUDENT DECLARATION

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



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Muhammad Muiz Bin Norfalizan

2020995373

ABSTRACT

This research focus is the advancement of smartphone technology and how it could help people with disabilities. Smartphones have become an essential item for most people, including people with disabilities, all smartphones have an operating system that provides help for most the disabled people but not much for the visually impaired and blind. The problem shows that there is still some lack of help for the visually impaired even with the advance of technologies. Therefore, this research will implement the keyboard to a smartphone will surely help to make it easier to type through mobile applications. various articles from the internet that are related and relevant to the study have been reviewed. These reviews include general knowledge of visually disabilities, braille system, mobile applications, and similar braille keyboard applications. It helps to understand the general concept of braille system, its character and method use in the project. It will identify and discuss the research methodology, development methodology, system architecture, and data collection strategy used in conducting this research.

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