

Universiti Teknologi MARA

**ANDROID BASED MOBILE
APPLICATIONS for WOMEN
SAFETY(WoSafe)**

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**THESIS SUBMITTED IN FULFILMENT OF THE
REQUIREMENTS FOR BACHELOR OF
COMPUTER SCIENCE (Hons.) DATA
COMMUNICATION AND NETWORKING
FACULTY OF COMPUTER AND
MATHEMATICAL SCIENCES**

JULY 2020

ACKNOWLEDGEMENT

In the name of Allah, the Most Gracious and the Most Merciful. Alhamdulillah, praise and thanks to Allah SWT, for all the graces and blessings and Selawat and Salam to the Prophet Rasulullah SAW, hopefully His syafa'at will be abundant in days later.

First, I would like to express my highest gratitude to my supervisor, Pn Rosanita Binti Adnan for her guidance, advice, and support to complete this final year project. I appreciate every single "walk" she taught me. I would also like to thank Dr Siti Arpah Binti Ahmad as the lecturer for CS245 for his guidance and encouragement during the preparation of this project.

Thanks also to all the lecturers during Bachelor of Science (Hons) Networking & Data Communications at UiTM Shah Alam for their patience and kind advice during the process of completing the project.

Lastly, thanks you so much to all those who supporting me in any way during the completions of this proposal report by discussing, sharing, or exchanging ideas and everyone who are directly or indirectly in making this project successful.

ABSTRACT

Women's safety is a major issue in today's society. This is due to the weaknesses of the existing security systems. Although, there are many alternative security systems have been installed everywhere but are mostly ineffective in reducing the percentage of cases that occur. Because of these reasons, due to the evolution of technology, smartphones could be used efficiently for personal security. Many studies have developed security mobile applications using smartphones that have used GPS for tracking, authorised body besides siren of alarms to attract people who may be at the scene. Due to these problems, the Android Mobile Application for Women's Safety (WoSafe) was developed for women worker and female students who travel alone. It consists of GPS tracker, emergency call and alarm notification. The system used the android studio as a platform to deploy the applications.

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CHAPTER 1

INTRODUCTION

The background and justification for the study was provided in this chapter. It also gives details on the importance of the issues and problems that led to this research of the significance women's safety using various mobile applications.

1.1 Background of Study

The remark "Violence against women" was a technical term used to refer collectively to acts that primarily or exclusively harm women. When safety and security was concerned, a smart phone can become a powerful tool to prevent violence against women (Tanusri Dey, 2017). The utilization of smart phones equipped with GPS navigation unit have increased rapidly from 3% to more than 20% in the past five years (Bramaramika Thota, 2015). According to the reports of World Health Organization, NCRB-social government organization, 35% Women all over the world were facing a lot of unethical physical harassment in public places such as railway-bus stands, foot paths etc. The good way to reduce chances in becoming a victim of violent crime was to identify and call on resources to help you out of unsafe situations (Ravi Sekhar Yarrabothu, 2015).

An application was a small, specialised software program, easily downloadable and installed onto mobile devices such as Smartphones or tablet computers. The use of apps has been popularised by the Apple's (App Store) and by Google's (Play Store) (Dr. Sridhar Mandapati, 2015). Android was widely used as a platform in smart phones, and it was user friendly. It provided features like, Wi-Fi, high resolution camera, touch screen, GPS navigation