UNIVERSITI TEKNOLOGI MARA

THE ADOPTION OF SMARTPHONE IN OLDER ADULTS

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Computing Project submitted in partial fulfillment of the requirements for the degree of **Master of Science in Information Technology**

Faculty of Computer and Mathematical Sciences

July 2016

AUTHOR'S DECLARATION

I declare that the work in this Computing Project was carried out in accordance with

the regulations of Universiti Teknologi MARA. It is original and is the results of my

own work, unless otherwise indicated or acknowledged as reference work. This

Computing Project has not been submitted to any other academic institution on non-

academic institution for any degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and

Regulations for Post Graduate, Universiti Teknologi MARA, regulating the conduct of

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ABSTRACT

The use of smartphone has become essential part in all people's life including the older adults. The Malaysian Communications and Multimedia Commission (MCMC) stated the percentage distribution of hand phone users for senior adults which age 50 years above are 14.4%. This shows that there is older adults that using smartphone. The research objectives are to study the factors of adoption of older adults in using smartphone and to identify the type of smartphone usage of older adults in their daily life. Based on the literature review from the previous study, the diffusion of innovations (DoI) was used to examine the factors of smartphone adoption. Thus, this study used DoI to study smartphone adoption factors among older adults and 50 survey questionnaire had been distributed to respondents. Based on the research model from DoI, there are five attributes that used to identify the factors of adoption which are relative advantage, complexity, trialability, observability and compatibility. Based on these attributes, five hypotheses had been developed in order to determine its significance to the adoption of smartphone. The results that had been analyzed shown the relative advantage, trialability and compatibility had significant with the adoption of smartphone among older adults. Meanwhile, the complexity and observability had no significant with the adoption of smartphone among older adults.

ACKNOWLEDGEMENT

First of all, I want to say Alhamdulillah and thanks to Allah S.W.T, with His merciful blessing because giving me the opportunities to complete my Final Year Project from the beginning until the end of this research. Without His grace, I would have lost sight in my purpose of to complete this research.

I would like to say thank you and appreciation to my beloved parents Mr. Haron Bin Ahmad and Mrs. Zaleha binti Hj. Abu Saman and also not to forget to all my family who has always give me support and motivation to complete my research. Not to forget their hard work and love for me completing my studies, if not because of them I would not be here today. Their effort and support will not be forgotten and may Allah bless all of you.

My gratitude and appreciation to my supervisor, PM Dr. Wan Adilah Wan Adnan. Thank you for her guidance and advices for this research. Also a very special thank you to Mr. Muhammad Naqib Muhsin who has been giving support and many advices. I also would say thank you to fellow friends for lending their hands to help, and giving support also ideas throughout the whole process in completing this research.

Last but not least, I am grateful to my true self for not giving up as this struggle is real. Yes, damn real. I am thankful for my brain to withstand some unnecessary temptations from the heart, and my eyes for going through countless nights of facing the computer screens, also to my ears for allowing me to listen to all kinds of comments, sometimes hurtful, sometimes harsh, sometimes a soft and supportive whisper of "You can do it." Most importantly, to my fingers and hands whose 'tip-tapping' sounds accompanied my lonely nights, sometimes with tears soaking them. I thank you all. And yeah to my stomach for coping with instant noodles and caffeine, I am sorry. Thank you very much to everybody who has been involved in this research whether with intentional or unintentional.

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