

UNIVERSITI TEKNOLOGI MARA

**THE DEVELOPMENT AND
VALIDATION OF PRE-DRIVING
ASSESSMENT: ATTITUDE TOWARDS
SAFE DRIVING SCALE**

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Thesis submitted in fulfillment
of the requirements for the degree of
Doctor of Philosophy
(Health Sciences)

Faculty of Health Sciences

February 2020

AUTHOR'S DECLARATION

I declare that the work in this thesis 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 referenced work. This thesis has not been submitted to any other academic institution or 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 my study and research.

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ABSTRACT

The number of fatality due to road traffic accident (RTA) has increased for the past few years. To date, on average 19.59 people were died every day due to RTA and the majority was among Malay young adult. Many reports have clearly stated that human factors contributed to up to 97% of RTA. This scenario creates concern from many agencies including health care professionals about the fundamental issue of this phenomena. There was a great public concern about assessment and intervention used by the enforcement body in Malaysia, where the outcome seems to be stagnant and hoping for the Ministry of Transport to look into this issue. Due to that, this study believes establishing proper outcome measure in identifying risk driving behaviour is essential. This study aims to develop a psychological assessment that will enable to assess Malay young adult attitude towards RTA. This study was involved sequential mix methodology approach. One-to-one semi-structured interview was conducted, involved three experts, two accident witness/victim and six victims. The verbatim transcripts were analysed by using six steps Interpretative Phenomenological Analysis. Six super-ordinate themes emerged that describes the expert views, victim and witnesses experiences towards RTA. Themes and sub-themes that emerged from the interview later translated into 46 attitudes based questionnaire namely; Attitude towards Safe Driving Scale (ASDS). The stem of the 46 questions were based on the themes and sub-theme. A total of 694 Malay young adult age ranged 18-36 years old had involved in the final study. The factor analysis was carried out to determine the validity and reliability of the assessment (Cronbach alpha .887). Each super-ordinate theme contains three to thirteen questions after undergoing factor loading analysis. The mean cut off for six domain and total score were also identified (D1: 45, D2: 36, D3: 32, D4: 20, D5: 12, D6: 9 and Total: 157). This assessment found to be adequate in providing the standard means of risky driving behaviour based on the cut off value. The ASDS also found to be valid and reliable in assessing the attitude status at an individual level. Face and content validity testing showed good coverage of the driving skills. Construct validity testing produced six important domains which show a high level of efficacy. As for the conclusion, the development of ASDS showed acceptable levels of reliability, construct validity, and criterion validity to recommend its use in assessing safe driving attitude among Malay young adult.

ACKNOWLEDGEMENT

In the name of Allah SWT Most Gracious, Most Beneficent, Alhamdulillah, all praises to Allah for the strengths and His blessing in completing this thesis. I would like to express my deepest gratitude to my supervisor, Dr. Akehsan Bin Haji Dahlan, for his excellent guidance, constant support, patience, caring, and providing me with an excellent atmosphere for doing research. Not forgotten, my co-supervisor, Dr. Ajau Danis for his invaluable help of constructive comments and suggestions throughout the thesis works as well as giving inspiration have contributed to the success of this study.

Thank you to Dr. Khairil Anuar Md Isa for his support and assistant along the completion of this study. I would like to thank the Dean of Faculty of Health Sciences, and the whole management team for their support and help towards my postgraduate affairs. I would like to acknowledge their cooperation, understanding and allowing me to do data collection for this study. Sincere thanks to all respondent who have participated and shared their beautiful experiences in this study.

I would like also thanks to all my students, friends and faculty members for their kindness and moral support during my study which contributed in this study direct and indirectly. My appreciation also goes to my beloved wife and children; Rusmawati Mustafa, Aliya, Amirah and Aiman. They were always keep supporting and encouraging me in their prayer.

Finally, this thesis is dedicated to the loving memory of my late father, my beloved mother and mother in law; Rabiah Hj. Abd. Ghani & Faridah Hj. Abd. Kadir, Along and Angah, people of Pahang Darul Makmur, all Malaysian, friends and family. Alhamdulillah, thank you very much.

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