

THE STUDY OF GAP ACCEPTANCE AT ROUNDABOUTS

By

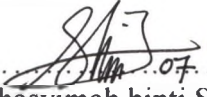
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Report is submitted as
the requirement for the degree of
Bachelor Engineering (Hons) (Civil)

UNIVERSITI TEKNOLOGI MARA
APRIL 2007

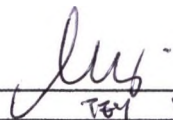
DECLARATION BY THE CANDIDATE


I Norhasyimah binti Shafie, UiTM No. 2004362619 conform that the work is my own and that appropriate credit has been given where reference has been made to the work of others.


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DECLARATION BY THE SUPERVISORS

We confirm that we have read and checked this report and to our opinion the report is suitable in terms of scope and quality required for awarding the Bachelor of Engineering (Hons) Civil.

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ACKNOWLEDGEMENT

I would like to express my sincere gratitude to my co-supervisor, Mr Jezan Md Diah for his advice and give his full effort for supervise me during my progress of final year project for 1 year. I'm also thankful to my main supervisor, Ms Tey Li Sian for her support and advice me for the final year project completion. Thanks to my friends especially Murni Saadin and Suriati Manaf for their responsibility to complete our data recording. Also thanks to all my friends and who are direct and indirectly for helping me in completion my final project.

Thank You

ABSTRACT

This research is to study the gap acceptance at roundabouts and data collection using video recording. The scope of the research is only unsignalized conventional roundabout and gap acceptance on each vehicle. Two (2) unsignalized roundabouts at *Bulatan Bestari*, Seksyen 2 and *Bulatan Kayangan*, Seksyen 13 which are located in Shah Alam are involved in order to achieve the research objectives. Then the data was analysed on time gap as a parameter. The extracted data from video recording had been analysed and summarized into table and graph chart in Microsoft Excel. The result showed the highest time for accepted gap and the comparison number of vehicle involved in gap acceptance between off-peak and peak hour at the locations. The gap acceptance should be studied for more detail in order to understand its concept especially to evaluate delay, waiting times and queue lengths. Hence, this study can be used to improve a road condition, road geometric design, vehicles capacity and traffic safety for users.

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