

# **The Effect of Left Turn no Red on Road Users at Signalized Intersection**

by

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13073

Dissertation submitted in partial fulfillment of  
the requirement for the Bachelor of Engineering (Hons)  
(Civil Engineering)

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CERTIFICATION OF APPROVAL

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Approved by,

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September 2013

## CERTIFICATION OF ORIGINALITY

This is to certify that I am responsible for the work submitted in this project, that the original work is my own except as specified in the reference and acknowledgements, and that the original work contained herein have not been undertaken or done by unspecified sources or persons.

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Hafizul Fiqry Bin Shahrul Anwar

## **ABSTRACT**

Huge amounts of road users mostly at the urban area nowadays become one of the factors that cause traffic congestion at the intersections. The intersections which are under the active level of traffic control only manage to settle the problem of traffic congestion at the intersection by adjusting the duration of time interval between traffic's colors. This only helps to reduce only a bit amount of delay facing by the road users while still considering their safety. However, the road users still require more time need to be saved while being at the intersection. In this research, further study on the effect of implementing authorized left turn on signalized intersection in Malaysia is made. The effect involves the improvement of the intersection level of service through reduction of traffic delay.

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