

**TRAVEL TIME AND DELAY IN INDUSTRIAL AREA ALONG
SHAH ALAM ROAD NETWORKS**

By

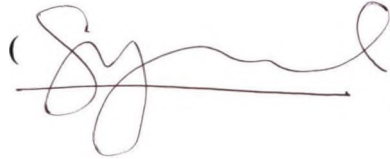
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DECLARATION BY THE CANDIDATE

I (Syahada binti Ahmad, 2004218124) confirm that the work is my own and that appropriate credit has been given where reference has been made to other work of others.

( 8th December 2006)

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ABSTRACT

Travel time is important in traffic flow in order to estimate the time durations required to move from one point to other point. People traveling are interested in knowing how long it will take them to reach their destinations, particularly under congested conditions. This study effort mainly deals with the causes of delay within the study area. There are many techniques to conduct this study in order to gained the travel time and delay data. Hence, in this study the travel time and delay are measured in industrial area along Shah Alam road networks in order to identify the causes of delay along the route. There are 6 sections which involved along the industrial area road networks which are Section 16, Section 21, Section 22, Section 23, Section 26 and Section 27. Therefore, it is believed that the majority factors of delay are caused by the traffic signal, congestion at roundabout, bus passenger loading or unloading and vehicle turn left or turn right.

TABLE OF CONTENT

| CHAPTER | | PAGE |
|---------|---|------|
| 1 | INTRODUCTION | |
| 1.1 | Introduction | 1 |
| 1.2 | Objectives | 2 |
| 1.3 | Scopes of Study | 2 |
| 1.4 | Problem Statement | 2 |
| 1.5 | Significance of Study | 3 |
| 2 | LITERATURE REVIEW | |
| 2.1 | Introduction | 4 |
| 2.2 | Theory of Travel Time Variability | 5 |
| 2.3 | Delay | 5 |
| 2.3.1 | Delays at Signalized Intersections | 6 |
| 2.3.2 | Incident Delay | 7 |
| 2.3.2.1 | Incident Duration | 8 |
| 2.3.2.2 | Capacity Reduction | 9 |
| 2.3.2.3 | Traffic Demand Rate | 9 |
| 2.3.3 | Delay at Construction Zones | 9 |
| 2.4 | Method for Conducting Travel Time and Delay Studies | 11 |
| 2.4.1 | Methods Requiring a Test Vehicle | 11 |
| 2.4.1.1 | Floating-car Technique | 11 |
| 2.4.1.2 | Average Speed Technique | 12 |
| 2.4.1.3 | Maximum Car Technique | 13 |