

A CASE STUDY OF TRAFFIC CHARACTERISTICS ON ACCIDENT AREA AT LEBUH AMJ

Abstract:

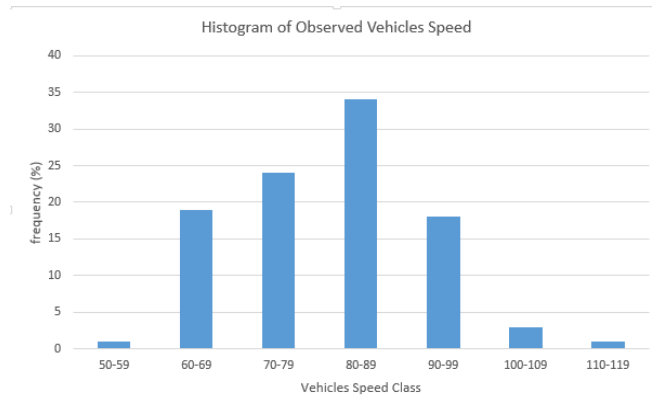
Road accidents are 'a global tragedy' trend is constantly increasing. The goal of the study is to identify the causes of the accident and the vehicle speed region studied. This research area Lebu AMJ (Semabok-Melaka Sentral) because the area is identified as black or "black spots" which often fatal accidents. The study was conducted for 2 weeks and the data taken during the 3 days a week and a day for 1 hour in the morning and evening 1 hour by using a "radar gun" and the "traffic survey". The results of this study found that accidents of this region is not due to the speed, but most accidents that occur in the study is the result of negligence and driver attitude itself. In addition, this study can identify the speed and number of vehicles surveyed area during peak hours of the time people go out to work and when people come home from work.

Keyword: Road accident, vehicle speed, black spot

IP no:

Finding:

LOCATION: MELAKA SENTRAL (MELAKA SENTRAL TO MERLIMAU) **DATE:** 24/1/2017 **TIME:** 7.30-8.30 **WEATHER:**



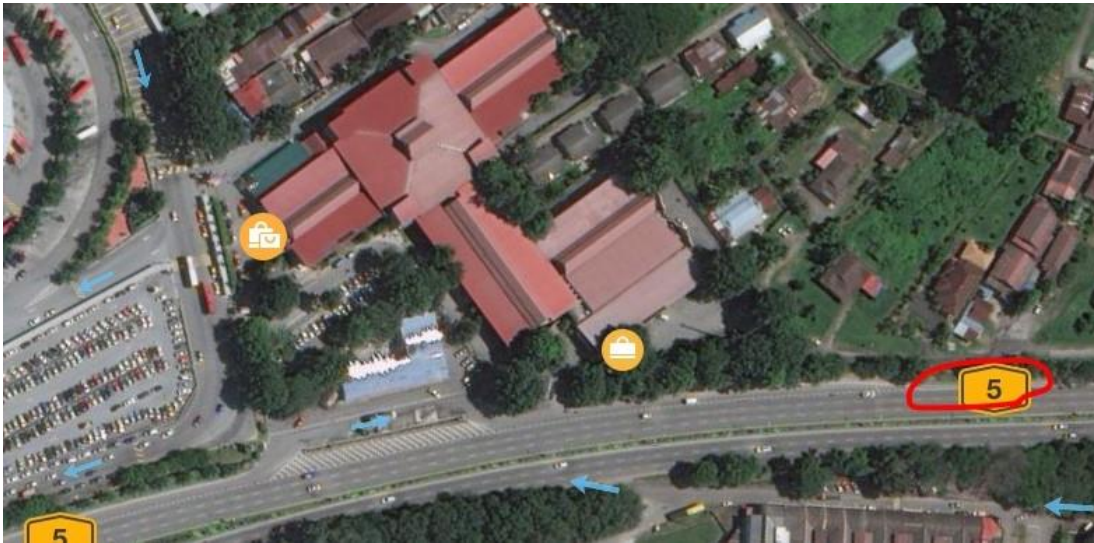
CLOUDY

Speed Class (km/h)	Upper limit (km/h)	Lower limit (km/h)	Class Midpoint (x)	Frequency (f)	Percentage of Frequency (%)	Cumulative number of observations	Percentage in Cumulative
50-59	59	50	54.5	1	1	1	1
60-69	69	60	64.5	19	19	20	20
70-79	79	70	74.5	24	24	44	44
80-89	89	80	84.5	34	34	78	78
90-99	99	90	94.5	18	18	96	96
100-109	109	100	104.5	3	3	99	99
110-119	119	110	114.5	1	1	100	100

Suggestion for future work

Unlike many other disciplines of the engineering, the situations that are interesting to a traffic engineer cannot be reproduced in a laboratory. Even if road and vehicles could be set up in large laboratories, it is impossible to simulate the behavior of drivers in the laboratory. Therefore, traffic stream characteristics need to be collected only from the field.

Picture related to project



Name of student & registration no:

1. Mohamad Adzim Nadzrin Bin Mohd Saleh
14DKA14F2057
2. Muhammad Nadzrin Bin Othman
14DKA14F2011

Supervisor of the project:

1. Norhafizah Binti Manap
2. Juliawati Binti Jama'on