ABSTRACT

ANALYSIS OF THE CORRELATION OF VOLUME, SPEED AND DENSITY
(ROAD ZAINAL ABIDIN PAGAR ALAM BANDAR LAMPUNG)

By

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The highway has a function that as the infrastructure to connect one place to another in a safe, convenient, fast, and economical. The increasing volume of traffic it will cause changes in traffic behavior on roads. The higher density of traffic, there will be a decrease in speed and effect on travel time. Losses incurred in the form of loss of travel time is longer and also loss of loading material costs because of fuel used.

Research carried out in the form of a survey of traffic volume (LHR) to see the level of vehicle density, vehicle speed and then survey traffic density survey to look at the CORRELATION of volume, speed and density on the roads Zainal Abidin Pagar Alam Bandar Lampung. calculation method used is the Linear Method Greenshield.

Based on the calculation, obtained traffic volume average of the direction of Cape Coral toward Rajabasa sebesara 2144.59 pcu / h, is smaller than the capacity of the road Zainal Abidin Pagar Alam which amounted to 3454.391 pcu / hour. From the direction toward Cape Coral Rajabasa at 2133.62 pcu / h is also smaller than the capacity of the road. Zainal Abidin so Pagar Alam road is still able to pass the vehicle which crossed the road. Weekly average speed from the direction of Cape Coral toward Rajabasa is 29.51 km / h. While the average speed of the direction toward Cape Coral Rajabasa of 29.6 km / h. Level of service (level of service) path is E.

Keywords: CORRELATION of volume, speed and density.