ABSTRACT

ANALYSIS OF THE EFFECT OF SIDE FRICTION ON THE PERFORMANCE OF THE ROAD DEALERS R. A KARTINI BANDAR LAMPUNG

by

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The high value of side friction on the road cause a decrease in performance of the road. The amount of side friction affects the capacity and speed of ride vehicles. The aim of this research was to analyze the factors that affect the performance degradation of traffic condition on some side friction and determine planning solutions to improve the traffic performance.

This research are obtained by doing survey of traffic volume (LHR) to see the density of vehicles, then surveys the side friction to see the influence of interference and spot speed surveys both disturbed and undisturbed side friction. This research doing in 100 meters in R. A Kartini street. Next calculation use the Manual Capacity of Indonesian Road in 1997 for the Urban Road.

Based on calculation, then obtained the highest value of the degree of saturation of 0.83 with a total volume of vehicles by 4692.75 pcu/hours, it is indicate the state of the roads is very saturated, so that the necessary repairs the road performance. The highest level of side friction affecting road performance degradation in the form of vehicles in and out the side road area, so it made solutions guardial crossing the road in an attempt to eliminate the vehicle.

Keywords: side friction, traffic volume, national road