

ABSTRACT

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ANALISIS KEMACETAN LALU LINTAS JALAN RAYA BABAT KM 73,1 – 72,7

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One of the roads in Lamongan Regency that often gets congested is Jalan Raya Babat KM 73.1 – 72.7 because this road is one of the connecting roads between surrounding districts. To solve the problem, it is necessary to research the congestion that arises in order to find out the causes, and can determine the right solution to the problems that arise.

Congestion is a condition where the traffic flow that passes on the road under review exceeds the planned capacity of the road which results in queues. Aspects related to congestion include traffic flow, traffic volume, side barriers, road capacity, traffic flow speed, degree of saturation, level of road service, and delays.

The method used in this study is a descriptive method in which this method is used to describe and provide an explanation of the conditions in the field, and a quantitative method where this method is used to analyze aspects related to congestion.

From the calculation results obtained from the data, the peak volume of traffic on Jalan Raya Babat reaches 1666.3 pcu/hour. The capacity of the road itself reaches 2992.22 pcu/hour. So in the calculation of the level of service (Los) it produces 0.567. For the side barriers themselves that can interfere with the smooth flow of vehicle traffic, the maximum score is 1144.6 and is included in the category of very high side barriers.

The factors causing congestion are the existence of a market that creates many side barriers from people entering and leaving the market, the number of street vendors, and vehicles parked on the side of the road. and for the solution to congestion, namely by providing regulations to street vendors and vehicles parked on the side of the road, it is necessary to have a special parking lot for cars so as not to park on the side of the road, and at rush hour can change the road by dividing the road with a road divider in order to reduce traffic jams. vehicles coming in and out of the road.

Keywords: Congestion, traffic volume, side barriers