



ABSTRACT

RAIMON SALUA, 2019. *Evaluation of Unsignalized Intersections of the Trans Sulawesi Road of Walilimbanga in Tendea Village.* Supervised by Pujiono and Bleiser Tanari.

Keywords: Intersection Capacity, Intersection Performance

This intersection needs to be evaluated to find out whether this intersection is still suitable for accommodating vehicles. This study begins by conducting a preliminary survey study, data collection and data analysis by calculation so that the peak hour of vehicle density is obtained. The objectives of the review are to calculate the vehicle capacity needed for 1 week and to evaluate the performance of the intersection during peak hours. The results of this study can be used as a consideration in efforts to develop and improve existing crossing facilities, to do vehicle capacity analysis to meet the needs and find alternative solutions to the problems that exist in the intersection problem.

The finding of this study obtained the degree of saturation (DS) - 0.043, Delay (D) - 5.523 sec / smp, Queuing Probability (QP) = 0.43-2.01 (%) and capacity (C) = 55116.76 Smp / hour. The performance of intersections for the years ahead at the unsignalized intersection of the T-junction of Trans Sulawesi road and Walilimbanga road needs to be reviewed so that service can be maximized.