

ABSTRACT

ANALYSIS OF THE CAUSES OF TRAFFIC CONGESTION ON THE ROAD R.A KARTINI AND HANDLING SOLUTIONS

By

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This research was conducted to study and know the analysis of the causes of traffic congestion on the road R. A Kartini and handling solutions. This study uses two kinds of data, primary data and secondary data. The primary data required in this study is the traffic volume, vehicle speed, and the side barriers.

In this study, the data obtained is calculated by using the manual method the capacity of Indonesia (MKJI 1997) for urban roads. The data obtained were graphed traffic flow per 10 minutes.

From the research, the highest traffic volume in one week occurred on Wednesday, September 16, 2015 occurred at 16:00 to 17:00 in the amount of 3993 smp/ hour direction toward the intersection of Jl. Imam Bonjol. At this time period the bustling shopping area of activity as well as a home office so that the number of vehicles increased a lot, and service level E. It indicates that the current unstable vehicle. Lowest traffic volume in one week occurred on Wednesday, September 16, 2015 occurred on Monday, September 14 at 11:30 to 12:30 pm in the amount of 2327 smp / hour, this is due to the time period the volume of vehicles tend to be reduced due to at least activity occurring in direction toward the intersection of Jl. Imam Bonjol and service level C. This indicates that the current stable of vehicles. For the class of 100 meters per side barriers along the roads of RA Kartini obtained total weight of the class barriers 932-2025 categorized alongside very high (VH).

Key words : *Traffic Jam, Traffic Volume, side fraction*