

ABSTRACT

The level of density and traffic congestion on the Pertahanan - Tangkahan road section is very high due to vehicle activity. This research aims to identify the performance of the road section on Pertahanan – Tangkahan Street due to the activity of factories on the road. This study uses calculations based on the Indonesian Road Capacity Guidelines 2023 (PKJI 2023). From the analysis conducted over 5 days, it was concluded that the highest vehicle volume occurred on Monday between 17:00-18:00 WIB with a vehicle volume of 730.5 smp/hour. The highest side friction value occurred on Monday between 17:00-18:00 WIB at 143.8 incidents/hour. The free flow speed is 40.74 km/hour. The road capacity is 2553.04 smp/hour. The degree of saturation is 0.28 with a service level of B, characterized by traffic volume approaching/being at capacity, unstable flow, and occasional stopping speeds.

Keywords: impact of traditional markets, traffic, road performance, PKJI 2023.