

ABSTRACT

Traffic jams that occur on several urban roads in Padang City, one of which is Jalan Raya Siteba, can be caused by one factor, namely Side Obstacles. Side obstacles have a negative impact on traffic performance from activities next to the road segment, such as pedestrians/crossers, stopped vehicles, vehicles entering and leaving the side of the road, and slow moving vehicles. This research aims to determine the influence of side obstacles and the performance of the road section. The performance analysis of the section was carried out based on the PKJI 2023 method. Based on the survey results, it was found that the highest traffic volume was 809,933 cur/hour which occurred on Saturday, 2 December 2023, the lowest volume was 528,283 cur/hour which occurred on Tuesday, 28 November 2023. So the level of road service that occurs on Jalan Raya Siteba is "B", namely: stable flow, slightly limited speed. Due to traffic, the driver still has the freedom to choose his speed.

Key words: traffic jam; traffic; vehicle volume

ABSTRAK

Kemacetan lalu lintas yang terjadi pada beberapa ruas jalan perkotaan di Kota Padang, salah satunya di Jalan Raya Siteba dapat diakibatkan oleh salah satu faktor yaitu Hambatan Samping. Hambatan samping memberikan dampak negatif terhadap kinerja lalu lintas dari aktivitas samping segmen jalan, seperti pejalan kaki/penyeberang jalan, kendaraan berhenti, kendaraan masuk dan keluar sisi jalan, dan kendaraan bergerak lambat. Penelitian ini bertujuan untuk mengetahui pengaruh hambatan samping dan kinerja ruas jalan tersebut. Analisis kinerja ruas dilakukan berdasarkan metode PKJI 2023. Berdasarkan hasil survei, didapatkan Volume lalu lintas tertinggi 809,933 skr/jam yang terjadi pada hari Sabtu, 2 desember 2023, volume terendah sebesar 528,283 skr/jam yang terjadi di hari Selasa, 28 november 2023. sehingga tingkat pelayanan jalan yang terjadi di Ruas Jalan Raya Siteba yaitu “B” yaitu: arus stabil, kecepatan sedikit terbatas oleh lalu lintas, pengemudi masih dapat kebebasan dalam memilih kecepatannya.

Kata kunci : kemacetan; lalu lintas; volume kendaraan