

Pengaruh Hambatan Samping Di Ruas Taman Patung Tugu Debus Terhadap Kinerja Jalan Pada Masa Pandemi Covid-19

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INTISARI

Ruas Jalan Taman Patung Tugu Debus Kota Serang merupakan jalan perkotaan yang ramai di Kota Serang, selain sebagai akses keluar masuk ke pintu tol Serang Timur, di kawasan ruas jalan tersebut dekat dengan rumah sakit dan mall, ruas jalan tersebut juga menjadi pilihan para penumpang angkutan umum bus antar kota yang tidak mau naik atau turun bus di Terminal Pakupatan, menjadikan ruas jalan tersebut kian padat dilalui angkutan kota dan bus antar kota yang dapat meningkatkan hambatan samping. Hambatan samping merupakan aktivitas di samping segmen jalan yang sangat mempengaruhi kinerja lalu lintas. banyak kegiatan di sisi jalan yang menimbulkan kemacetan seperti pejalan kaki/penyebrang jalan, kendaraan umum dan kendaraan lain berhenti, kendaraan lambat, serta kendaraan masuk dan keluar dari lahan disamping jalan.

Tujuan dari penelitian ini yaitu untuk mengetahui kinerja ruas jalan di ruas Taman Patung Tugu Debus Kota Serang pada masa pandemi Covid-19, mengetahui pengaruh hambatan samping terhadap kinerja jalan di ruas Taman Patung Tugu Debus Kota Serang pada masa pandemi Covid-19 dan mengetahui alternatif yang dapat digunakan untuk mengurangi hambatan samping di ruas jalan Taman Patung Tugu Debus Kota Serang. Analisa data menggunakan metode Manual Kapasitas Jalan Indonesia (MKJI 1997).

Hasil dari penelitian yang telah dilakukan pada masa pandemi Covid-19 diperoleh hambatan samping dengan kategori sangat tinggi (VH), hambatan samping tersebut dapat mempengaruhi kinerja ruas jalan menjadi menurun, volume lalu lintas maksimum diperoleh sebesar 4218 smp/jam, kapasitas yang diperoleh 5645 smp/jam, nilai derajat kejenuhan diperoleh 0,75 dan tingkat pelayanan jalan masuk kategori D. Untuk meningkatkan kinerja ruas jalan dilakukan alternatif memasang rambu larangan berhenti pada sisi jalan dan menghilangkan hambatan samping pejalan kaki, pembuatan halte dan jembatan penyebrangan.

Kata Kunci: Hambatan samping, kapasitas, derajat kejenuhan, tingkat pelayanan jalan

The Influence Of Side Obstacles In The Debus Monument Statue Park Section Of The Road Performance During The Covid-19 Pandemic

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ABSTRACT

The road section of the Tugu Debus Statue Park in Serang City is a busy urban road in Serang City, apart from being an access and exit to the East Serang Toll Gate, in the area of the road that is close to hospitals and malls, these roads are also the choice of public transport passengers. inter-city buses that do not want to get on or get off the bus at Pakupatan Terminal, making these roads increasingly congested by city transportation and inter-city buses which can increase side obstacles. Side friction is an activity beside the road segment which greatly affects traffic performance. There are many activities on the side of the road that cause congestion, such as pedestrians / road crossers, public transportation and other vehicles stopping, slow vehicles, and vehicles entering and leaving the land beside the road.

The purpose of this study is to determine performance of roads in the Tugu Debus Statue Park section in Serang City during the Covid-19 pandemic, to find out the effect of side barriers on road performance in the Taman Patug Tugu Debus section in Serang City during the Covid-19 pandemic and to find out an alternative that can be used to reduce side obstacles on the Taman Debus Monument road section of Serang City. Data analysis used the Indonesian Road Capacity Manual (MKJI 1997).

The results of the research that was carried out during the Covid-19 pandemic showed that side friction with a very high category (VH), this side obstacle can affect the performance of the road to decrease, the maximum traffic volume is obtained at 4218 pcu/hour, the capacity obtained is 5645 pcu/hour, the value of the degree of saturation was obtained 0.75 and the level of service for the entrance to category D. To improve the performance of the road, an alternative was made to install prohibited stop signs on the side of the road and remove pedestrian side barriers, make halted and crossing bridges.

Keywords: Side barriers, capacity, degree of saturation, level of service