

ABSTRAK

Judul: EVALUASI PENGARUH PARKIR PADA BADAN JALAN (ON STREET PARKING) TERHADAP KINERJA LALU LINTAS DI RUAS JALAN

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Kota Jakarta Barat memiliki banyak tempat perbelanjaan dan gedung perkantoran. Hal tersebut mengakibatkan arus lalu lintas di jalan tersebut semakin padat. Tujuan penelitian ini untuk mengetahui dampak parkir pada badan jalan terhadap kinerja lalu-lintas dan mencari upaya pengendalian parkir pada badan jalan di lokasi penelitian. Metode yang digunakan dalam penelitian ini adalah metode pengamatan langsung di lokasi titik pengamatan dan pengambilan data di lapangan berupa data volume lalu-lintas dan voume parkir, serta kinerja ruas jalan. Pengamatan dilakukan pada hari senin sampai dengan hari minggu. Hasil analisis dampak parkir terhadap kinerja lalu lintas di sekitar Chinatown Point bervariasi. Pada hari Senin, Rabu, Kamis dan Minggu, kategori rata-rata berada pada level D, menunjukkan bahwa arus lalu lintas mendekati stabil, dan kecepatan dapat dikendalikan. Namun, pada hari Selasa, Jumat, dan Sabtu, kategori rata-rata berada pada level E, yang mengindikasikan arus lalu lintas yang tidak stabil, kadang-kadang terhenti, dan permintaan mendekati kapasitas maksimal. Korelasi antara parkir dan kemacetan lalu lintas pada hari Senin-Minggu sebesar 0,63, menunjukkan hubungan yang kuat untuk terjadinya kemacetan lalu lintas di lokasi tersebut.

Kata Kunci: Kapasitas jalan, Parkir badan jalan, Kepadatan lalu-lintas.

ABSTRAK

Title: EVALUATION OF THE INFLUENCE OF PARKING ON THE ROAD ON TRAFFIC PERFORMANCE ON THE ROAD SECTION

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The city of West Jakarta has many shopping places and office buildings. This causes the traffic flow on the road to become increasingly dense. The aim of this research is to determine the impact of parking on roads on traffic performance and to look for efforts to control parking on roads at the research location. The method used in this research is the direct observation method at the location of the observation point and data collection in the field in the form of traffic volume and parking volume data, as well as road performance. Observations were carried out from Monday to Sunday. The results of the analysis of the impact of parking on traffic performance around Chinatown Point vary. On Monday, Wednesday, Thursday and Sunday, the average category is at level D, indicating that traffic flow is close to stable, and speed can be controlled. However, on Tuesday, Friday and Saturday, the average category is at level E, which indicates unstable traffic flow, sometimes stopping, and demand approaching maximum capacity. The correlation between parking and traffic congestion on Monday-Sunday is 0.63, indicating a strong relationship for the occurrence of traffic congestion at that location.

Keywords: Road capacity, road parking, traffic density.