

ABSTRAK

Santoso, Yosua Aditya. 2019. Analisis Dampak Lalu Lintas Akibat Pembangunan Hotel Platinum Surabaya, Fakultas Teknik, Universitas Widya Kartika, Surabaya.

Pembangunan suatu proyek hunian hotel akan menimbulkan dampak lalu lintas pada sekitar area lokasi pembangunan. Pada masa sebelum pembangunan, lalu lintas mengalami kepadatan saat jam puncaknya. Pada tahap konstruksi, pembangunan suatu proyek dapat memberikan dampak yang dipengaruhi oleh kendaraan berat yang keluar masuk ke area pembangunan hotel, dimana kondisi akan lebih padat pada saat jam puncak.

Pada saat beroperasinya hotel akan terjadi bangkitan dan tarikan lalu lintas yang akan berdampak pada sekitar hotel. Oleh karena itu, diperlukan adanya suatu analisis dampak lalu lintas akibat dibangunnya suatu proyek hunian hotel pada area lokasi tersebut. Untuk melakukan analisis dampak lalu lintas, diperlukan pengertian mengenai teori manajemen lalu lintas beserta panduan – panduannya.

Pada tugas akhir ini, lokasi penelitian berada di Hotel Platinum di Jl. Tunjungan no 21, Surabaya, dimana analisis lalu lintas dilakukan pada persimpangan Siola, persimpangan Gubernur Suryo, dan persimpangan Blauran. Hasil dari analisis lalu lintas pada saat 5 tahun beroperasi nya hotel di dapat derajat kejenuhan sebesar 1,412 sisi utara siola, 1,761 sisi barat siola, dan 1,099 sisi timur siola pada jam puncak pagi. Nilai derajat kejenuhan sebesar 2,195 sisi utara blauran, 1,384 sisi barat blauran, 0,579 sisi timur blauran pada jam puncak pagi. Nilai derajat kejenuhan sebesar 0,511 pada simpang gubernur suryo pada jam puncak pagi.

Kata Kunci: Analisis Dampak Lalu Lintas, Manajemen Lalu Lintas, Derajat Kejenuhan, MKJI

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ABSTRACT

Santoso, Yosua Aditya. 2019. The Analysis of the Traffic Impacts Due to The Construction of Platinum Hotel Surabaya. The Faculty of Engineering, Widya Kartika University, Surabaya.

The construction of a hotel residential tend to have a traffic impacts toward the area around the construction. Before the construction, the traffic is more crowded during peak hours. During the construction project it will be more crowded because of the heavy vehicles entering and leaving the hotel construction area, where conditions will be more congested during peak hours.

During the operation of the hotel there will be a generation and pull of traffic which have an impact on the area around the Hotel. Therefore, it will need an analysis of the impact of the traffic due to the construction of a hotel residential project in the location area. To conduct an analysis of traffic impacts, an understanding of traffic management theories and guidelines is required.

The research of this thesis is located at Platinum Hotel on Jl. Tunjungan Number 21, Surabaya. The traffic analysis is done at the highroad crossing at Siola, Gubernur Suryo, and Blauran. The results of this traffic analysis during the 5 years of operation of the hotel is obtained in the degree of saturation amounted to 1,412 at the north side of Siola, 1,761 at west side of Siola, and 1,099 east side of Siola during peak hours in the morning. The degree of saturation at the north side of Blauran is 2,195, 1,384 at the west side of Blauran, and 0.579 at the east side of Blauran during the peak hours in the morning. The degree of saturation at the intersection of Governor Suryo during the peak hour in the morning is 0.511.

Keyword: The Analysis of Traffic Impact, Traffic Management, Degree of Saturation, and MKJI

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