

ABSTRAK

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Judul : Kajian Manajemen dan Rekayasa Lalu Lintas Akibat Pembangunan Apartement Westmark Jakarta Barat

Kondisi lalu lintas kota DKI Jakarta telah memperlihatkan bahwa pertambahan lalu lintas yang ditimbulkan karena adanya pembangunan dan pengembangan lahan baru berperan serta dalam memberikan kontribusi terhadap ketidakseimbangan demand dan supply. Salah satu dari rencana pembangunan fisik di wilayah Jakarta Barat adalah Rencana Pembangunan Apartemen West Mark, yang terletak di Jl. Tanjung Duren Timur 2, Tanjung Duren, Jakarta Barat. Ditinjau dari lokasi pengembangan lahan yang ada, maka memerlukan penelitian atas dampaknya terhadap kinerja lalu lintas di wilayah sekitarnya.

Skenario penanggulangan ruas jalan akibat pembangunan apartement Westmark terdiri atas skenario *Do Nothing with Development* dan skenario *Do Something with Development* yang terbagi dalam 3 (tiga) periode waktu yaitu jangka pendek, jangka menengah dan jangka panjang.

Kinerja ruas jalan tertinggi terdapat pada ruas jalan Letj.S.Parman dengan kinerja rata-rata mencapai $V/C 1.05$ untuk Pagi dan Sore. Dan untuk kinerja rata-rata terendah terdapat pada ruas jalan Tanjung Duren Timur 2 dan 3 untuk Pagi dan Sore $V/C 0.54$. Nilai kenaikan kinerja ruas jalan rata-rata 0,31% untuk *Do Something with Development* jangka pendek, 0,84 % untuk *Do Something with Development* jangka menengah, 2.32 % untuk *Do Something with Development* jangka panjang

Kata kunci :

LOS, Do Nothing, Do Something, Development, V/C

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Title : Assessment and Management of Traffic Engineering Due West Jakarta Westmark Apartment Building

Traffic conditions Jakarta administration has shown that the added traffic generated due to new construction and land development to participate in contributing to the imbalance of demand and supply. One of the physical development plans in West Jakarta is the Plan of Development Mark West Apartments, located on Jl. Tanjung Duren 2 East, Tanjung Duren, West Jakarta. Judging from the location of existing land development, it requires research on their impact on the performance of traffic in the surrounding area.

Scenario reduction due to road construction Westmark apartment consists of a scenario with Development and Do Nothing Do Something scenario with Development is divided into 3 (three) periods of time that is short term, medium term and long term.

Performance of the highest roads in the road there Letj.S.Parman with average performance reaches V / C 1:05 for morning and afternoon. And for the lowest average performance found in Tanjung Duren road East 2 and 3 for Morning and Evening V / C 0:54. Street value of the performance increase on average 0.31% for the Do Something with short-term Development, 0.84% for the Do Something with the medium-term Development, 2,32% for the Do Something with long-term Development

Keyword :

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