

ABSTRAK

ANALISIS KINERJA PERSIMPANGAN TAK BERSINYAL PADA JALAN SIMPANG 4 METUR (STUDI KASUS SIMPANG 4 METUR, KECAMATAN LUBAI ULU, KABUPATEN MUARA ENIM)

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Seiring dengan pertumbuhan penduduk dan ekonomi Kabupaten Muara enim, permasalahan lalu lintas khususnya pada daerah simpang. Di Persimpangan Jalan Lintas Prabumulih-baturaja memiliki arus lalu lintas padat karena di sekitar persimpangan tersebut banyak terdapat fasilitas umum dan perumahan masyarakat.

Tujuan dari penelitian ini adalah untuk mengetahui kinerja simpang tak bersinyal di Jalan simpang 4 metur, Kecamatan lubai ulu, Kabupaten Muara enim, berdasarkan analisis kinerja simpang tersebut dengan pedoman manual kapasitas jalan Indonesia tahun (MKJI) 1997, diperoleh hasil kapasitas simpang sebesar 2.412,540 smp/jam, derajat kejenuhan sebesar 0,370 dan peluang antreannya adalah 6,65 – 17,15. Berdasarkan nilai-nilai tersebut simpang Jalan simpang 4 metur, kinerja simpang tersebut dikategorikan stabil (B) menurut MKJI 1997.

Kata Kunci: *Kinerja Simpang, Kapasitas, Derajat Kejenuhan dan Peluang Antrean.*

ABSTRACT

PERFORMANCE ANALYSIS OF NO SIGNAL JUNCTION ON PRABUMULIH AND BATURAJA AGRICULTURE CROSSROADS (CASE STUDY OF THE INTERSECTION OF 4 METUR, MUARA ENIM REGENCY).

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Along with the population and economic growth of Muara enim Regency, traffic problems, especially in the intersection area. The Prabumulih - Baturaja Crossroads has heavy traffic because at the intersection, there are many public facilities and community housing around it.

The purpose of this study is to determine the performance of the intersection with a signal on the The Prabumulih - Baturaja Cross Road, Lubai ulu City, Muara enim Regency, based on the analysis of the performance of the intersection with manual guidelines Indonesia's road capacity in 1997 (MKJI), the results of the intersection capacity of 2.412,540 smp/hour, the degree of saturation is 0,370, and the probability of the line is 6,65 – 17,15. Based on these values, the intersection of Sumatera and Agriculture Crossroads, the performance of the intersection is categorized as unstable (B) according to the 1997 MKJI.

Keywords: Intersection Performance, Capacity, Degree of Saturation and Opportunity queue.