

## **ABSTRAK**

### **ANALISIS KINERJA PERSIMPANGAN TAK BERSINYAL PADA JALAN LINTAS SUMATERA DAN PERTANIAN (STUDI KASUS SPBU KOTA BARU MARTAPURA KABUPATEN OKU TIMUR).**

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Seiring dengan pertumbuhan penduduk dan ekonomi Kabupaten OKU Timur, permasalahan lalu lintas khususnya pada daerah simpang. Di Persimpangan Jalan Lintas Sumatera dan Pertanian 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 Lintas Sumatera dan Pertanian Kota Martapura Kabupaten OKU Timur, berdasarkan analisis kinerja simpang tersebut dengan pedoman manual kapasitas jalan Indonesia tahun (MKJI) 1997, diperoleh hasil kapasitas simpang sebesar 1.977,856 smp/jam, derajat kejenuhan sebesar 0,981 dan peluang antreannya adalah 38,82 – 76,34. Berdasarkan nilai-nilai tersebut simpang Jalan Lintas Sumatera dan Pertanian kinerja simpang tersebut dikategorikan tidak stabil (D) menurut MKJI 1997.

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

## **ABSTRACT**

### **PERFORMANCE ANALYSIS OF NO SIGNAL JUNCTION ON SUMATERA AND AGRICULTURE CROSSROADS (CASE STUDY GAS STATION MARTAPURA, OKU TIMUR REGENCY).**

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Along with the population and economic growth of OKU Timur Regency, traffic problems, especially in the intersection area. The Sumatera and Agricultural 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 Sumatera and Agricultural Cross Road, Martapura City, OKU Timur 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 1,977,856 smp/hour, the degree of saturation is 0,981, and the probability of the line is 38.82 – 76.34. Based on these values, the intersection of Sumatera and Agriculture Crossroads, the performance of the intersection is categorized as unstable (D) according to the 1997 MKJI.

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