



INTISARI

Daerah Istimewa Yogyakarta (DIY) merupakan salah satu daerah dengan tingkat kunjungan wisatawan yang cukup tinggi. Pada tahun 2019 tercatat sekitar 28.324.394 wisatawan mengunjungi provinsi tersebut. Terdapat 5 Kawasan Strategis Pariwisata Nasional (KSPN) yang terdapat di Provinsi DIY. Adanya berbagai KSPN dan potensi pariwisata yang sudah terbangun, mendukung adanya infrastruktur berupa jalan tol untuk memfasilitasi pergerakan moda di kawasan tersebut. Selain itu, pengembangan Jalan Tol Solo-Yogyakarta-YIA direncanakan mampu menghubungkan Daerah Istimewa Yogyakarta (DIY) dengan Provinsi Jawa Tengah khususnya mempermudah akses menuju ke Bandara Yogyakarta International Airport (YIA). Pengembangan Jalan Tol Solo-Yogyakarta-YIA memerlukan kajian lebih dalam terkait potensi penggunaan jalan tol.

Penelitian dilakukan di ruas jalan nasional di sekitar trase jalan tol Solo-Yogyakarta-YIA. Pengambilan data lalu lintas dilakukan dengan *traffic counting* dan data terkait karakteristik perjalanan dan karakteristik pengguna jalan dilakukan dengan metode *road side interview*. Kemudian dilakukan analisis volume lalu lintas maksimum pada masing-masing ruas dan potensi perpindahan kendaraan dari jalan nasional ke jalan tol menggunakan metode *incremental all-or-nothing* dan dapat diprediksi volume lalu lintas pada tahun 2024.

Hasil analisis terkait potensi perpindahan pengguna jalan dari jalan nasional ke jalan tol menggunakan metode *incremental all-or-nothing* pada 10 ruas titik uji, rata-rata kendaraan yang akan berpindah dari jalan nasional ke jalan tol adalah 38%. Sedangkan berdasarkan hasil *road side interview* adalah sebanyak 56%.

Kata kunci: *road side interview*, jalan tol, potensi, *incremental all-or-nothing*.



ABSTRACT

The Special Region of Yogyakarta (DIY) is one of the areas with high tourist visits. In 2019, it was recorded that around 28.324.394 tourists had visited the province. There are 5 KSPNs (National Tourism Strategic Areas) in DIY Province. The existence of various KSPNs and tourism potential in DIY need the infrastructure to facilitate the movement of modes in the area. Toll road is one of the alternative way to facilitate it. In addition, the development of the Solo-Yogyakarta-YIA Toll Road is planned to connect the Special Region of Yogyakarta (DIY) with Central Java Province, especially to provide access to Yogyakarta International Airport (YIA). The development of the Solo-Yogyakarta-YIA Toll Road requires a deeper study in the area of the potential use of the toll road.

The research was conducted on national roads around the Solo-Yogyakarta-YIA toll road route. Traffic data obtained by traffic counting in 10 points. Datas related to travel characteristics and road users characteristics are obtained using the road side interview method. The potential for vehicle to from national roads to toll roads is calculated using the iterative assignment method and the traffic volume in 2024 can be predicted.

The result of the analysis related to the potential movement of road users from national roads to toll roads using the incremental all-or-nothing method at 10 points, the average number of vehicles that will move from national roads to toll roads is 38%. Furthermore the results of the number of vehicles that will move to toll road based on the road side interview is 56%.

Keywords: road side interview, toll road, incremental all-or-nothing.