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DAFTAR PUSTAKA

Ardhani, S. K., & Herijanto, W. (2023). Perencanaan Kebutuhan Fasilitas Rest Area untuk Kombinasi Moda Jalan Tol Gilimanuk-Mengwi. *Jurnal Teknik ITS*, *12*(3), E171–E178. https://doi.org/10.12962/j23373539.v12i3.127141

Arizona Department of Transportation (ADOT). (2023). *Arizona Statewide Rest Area Study*.

Barth, M., & Boriboonsomsin, K. (2009). Energy and emissions impacts of a freeway-based dynamic eco-driving system. *Transportation Research Part D: Transport and Environment*, *14*(6), 400–410. https://doi.org/10.1016/j.trd.2009.01.004

Budzyński, A., & Cieśla, M. (2025). *Highway Rest Area Truck Parking Occupancy Prediction Using Machine Learning: A Case Study from Poland*. Engineering. https://doi.org/10.20944/preprints202505.1162.v1

Cháopek, Z., & WaĞkiewicz, J. (n.d.). *PROJECTIONS OF THE FUEL CONSUMPTION BY THE ROAD TRANSPORT IN POLAND*.

Danubroto, R. W., Malkhamah, S., & Amrozi, M. R. F. (2024). Investment Feasibility and Strategic Development Scenarios of Yogyakarta-Bawen Toll Road. *INERSIA Lnformasi Dan Ekspose Hasil Riset Teknik Sipil Dan Arsitektur*, *20*(1), 20–29. https://doi.org/10.21831/inersia.v20i1.64152

Departemen Pekerjaan Umum. (2005). *Pedoman Konstruksi dan Bangunan Pd T-15-2005-B: Perhitungan Biaya Operasi Kendaraan, Bagian I: Biaya Tidak Tetap (Running Cost)* [Report]. Departemen Pekerjaan Umum, Jakarta.

Hamdani, H. (2023). Decision Making on Options for Development of Rest Area Facilities According to Highest And Best Use Using the Analytic Network Process Method (Case Study: Rest Area on Trans Sumatera Toll Road Tebing Tinggi – Parapat Section). *International Journal of Engineering Business and Social Science*, *1*(05), 467–475. https://doi.org/10.58451/ijebss.v1i05.69

Handajani, M., Muldiyanto, A., Paramita, N. I., & Permata, A. N. (n.d.). *ANALISIS PANJANG JALAN TERHADAP KONSUMSI BBM PADA BAGIAN WILAYAH KOTA (BWK) I SEMARANG*. *1*.

Kan, Z., Tang, L., Kwan, M.-P., & Zhang, X. (2018). Estimating Vehicle Fuel Consumption and Emissions Using GPS Big Data. *International Journal of Environmental Research and Public Health*, *15*(4), 566. https://doi.org/10.3390/ijerph15040566

Kementerian Pekerjaan Umum dan Perumahan Rakyat, Direktorat Jenderal Bina Marga. (2023). *PKJI 2023* [Report]. Direktorat Jenderal Bina Marga, Jakarta.

Maptuhi, A. C., Farida, I., & Susetyaningsih, A. (2018). *Kerugian Finansial Akibat Kemacetan Ditinjau Dari Bahan Bakar Minyak*. *16*(2).

Mardikaningsih, R., Arifiana, A., Haliza, S. N., Darmawan, D., & Lestari, U. P. (2023). Upaya Meninjau Pilihan Rest Area yang Optimal: Dampak Lokasi, Ragam Fasilitas, dan

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GADJAH MADA
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Lingkungan Alam. *TIN: Terapan Informatika Nusantara*, *4*(2), 84–91. https://doi.org/10.47065/tin.v4i2.4194

Menteri Pekerjaan Umum Republik Indonesia. (2007). *Kepmen PU No. 370/KPTS/M/2007* [Report]. Menteri Pekerjaan Umum Republik Indonesia.

Mystakidis, A., Koukaras, P., & Tjortjis, C. (2025). Advances in Traffic Congestion Prediction: An Overview of Emerging Techniques and Methods. *Smart Cities*, *8*(1), 25. https://doi.org/10.3390/smartcities8010025

Nitoiu, C., Cofaru, C., & Popescu, M. (2025). Influence of road and traffic conditions on emissions and fuel consumption of light vehicles in a real urban driving cycle. *Environmental Science and Pollution Research*, *32*(25), 15050–15065. https://doi.org/10.1007/s11356-025-36573-3

Nuryati, S. (2018). PENGGUNAAN BAHAN BAKAR MINYAK TERHADAP KECEPATAN KENDARAAN DAN NILAI WAKTU PERJALANAN DI WILAYAH KOTA BEKASI. *Bentang : Jurnal Teoritis dan Terapan Bidang Rekayasa Sipil*, *5*(1), 45–61. https://doi.org/10.33558/bentang.v5i1.151

Pangesty, S., Budiharjo, A., & Rusmandani, P. (2021). *Pengaruh Kecepatan Kendaraan Terhadap Konsumsi Bahan Bakar Minyak di Jalan Tol*. *7*(1).

Pérez-Acebo, H., & Romo-Martín, A. (2019). SERVICE AND REST AREAS IN TOLL MOTORWAYS IN POLAND: STUDY OF DISTRIBUTION AND FACILITIES. *Transport Problems*, *14*(2), 155–164. https://doi.org/10.20858/tp.2019.14.2.14

Pérez-Acebo, H., Romo-Martín, A., & Findley, D. J. (2022). Spatial distribution and the facility evaluation of the service and rest areas in the toll motorway network of the European Union. *Applied Spatial Analysis and Policy*, *15*(3), 821–845. https://doi.org/10.1007/s12061-021-09421-3

PP No. 15 Tahun 2005 Tentang Jalan Tol.

Rakha, H. A., Ahn, K., Moran, K., Saerens, B., & Bulck, E. V. D. (2011). Virginia Tech Comprehensive Power-Based Fuel Consumption Model: Model development and testing. *Transportation Research Part D: Transport and Environment*, *16*(7), 492–503. https://doi.org/10.1016/j.trd.2011.05.008

Republik Indonesia. (2009). *Undang-Undang Republik Indonesia Nomor 22 Tahun 2009 tentang Lalu Lintas dan Angkutan Jalan*. Pemerintah Republik Indonesia.

Rohani, Mahendra, M., Salsabila, F. F., & Ramadhani, P. (2025). *Analisis Konsumsi Bahan Bakar Minyak (BBM) Pada Arus Lalu Lintas Stabil Dan Tidak Stabil Ruas Jalan TGH. Lopan Labuapi, Lombok Barat*.

Sa'adah, A. F., Fauzi, A., & Juanda, B. (2017). Peramalan Penyediaan dan Konsumsi Bahan Bakar Minyak Indonesia dengan Model Sistem Dinamik. *Jurnal Ekonomi dan Pembangunan Indonesia*, *17*(2), 118–137. https://doi.org/10.21002/jepi.v17i2.661

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Santos, A., Maia, P., Jacob, R., Wei, H., Callegari, C., Oliveira Fiorini, A. C., Schaeffer, R., & Szklo, A. (2024). Road conditions and driving patterns on fuel usage: Lessons from an emerging economy. *Energy*, *295*, 130979. https://doi.org/10.1016/j.energy.2024.130979

Shafiei, S., Zhu, Q., Qin, A. K., Mihaita, S. A., Grzybowska, H., & Dia, H. (2025). Road traffic attributes prediction using deep learning hybridization by the traffic fundamental diagram. *Journal of Intelligent Transportation Systems*, 1–16. https://doi.org/10.1080/15472450.2025.2577735

Sutanto, Teddy Taminudin Karim Hasibuan, Yani Susetyo, Yudho Purnomo, & Nanang Apriliyanto. (2026). Determinan Keputusan Pelanggan dalam Menggunakan Rest Area Jalan Tol: Studi Pada Km 487 Trans Marga Jateng. *E-Logis : Jurnal Ekonomi Logistik*, *8*(1), 124–136. https://doi.org/10.70375/e-logis.v8i1.205

Thomas A. Williams, AICP. (2016). *Methodologies Used to Estimate and Forecast Vehicle Miles Traveled (VMT)*.

Transportation Research Board (TRB), N. R. C. T. R. B. (n.d.). *NCHRP Synthesis 364 – Estimating Toll Road Demand and Revenue*.

UU No. 38 Tahun 2004 Tentang Jalan.