

DAFTAR PUSTAKA

- AASHTO. (2011). *Roadside Design Guide*. www.transportation.org
- Afdal, M., & Disastra, R. P. (2022). Analisis Pola Kecelakaan Lalu Lintas Menggunakan Algoritma K-Means Dan Fp-Growth Studi Kasus: Polres Solok. *Jurnal Ilmiah Rekayasa Dan Manajemen Sistem Informasi*, 8(1), 31. <https://doi.org/10.24014/rmsi.v8i1.15656>
- Afdal, M., & Prana Disastra, R. (2022). Analisis pola kecelakaan lalu lintas menggunakan algoritma k-means dan fp-growth studi kasus: polres solok. *Jurnal Ilmiah Rekayasa Dan Manajemen Sistem Informasi*, 8(1), 31–40.
- Ahmad Riski Maulana, Kuuni Ulfah Naila El Muna, & Harry Asjtanto. (2023). Pemetaan dan Analisis tren Angka Kecelakaan di Kota Surabaya. *Sehat Rakyat: Jurnal Kesehatan Masyarakat*, 2(2), 250–257. <https://doi.org/10.54259/sehatrakyat.v2i2.1663>
- Anderson, T. K. (2009). Kernel density estimation and K-means clustering to profile road accident hotspots. *Accident Analysis and Prevention*, 41(3), 359–364. <https://doi.org/10.1016/j.aap.2008.12.014>
- Atluri, G., Karpatne, A., & Kumar, V. (2019). Spatio-temporal data mining: A survey of problems and methods. In *ACM Computing Surveys* (Vol. 51, Issue 4). Association for Computing Machinery. <https://doi.org/10.1145/3161602>
- Bucsuházy, K., Matuchová, E., Zůvala, R., Moravcová, P., Kostíková, M., & Mikulec, R. (2020). Human factors contributing to the road traffic accident occurrence. *Transportation Research Procedia*, 45(2019), 555–561. <https://doi.org/10.1016/j.trpro.2020.03.057>
- Coate, D., & Markowitz, S. (2004). The effects of daylight and daylight saving time on US pedestrian fatalities and motor vehicle occupant fatalities. *Accident Analysis and Prevention*, 36(3), 351–357. [https://doi.org/10.1016/S0001-4575\(03\)00015-0](https://doi.org/10.1016/S0001-4575(03)00015-0)
- Cociu, S. (2020). Environmental Risk Factors Related To Road Traffic Crashes. *Arta Medica*, 77(4), 93–96. <https://doi.org/10.5281/zenodo.4174998>
- De Pauw, E., Daniels, S., Brijs, T., Hermans, E., & Wets, G. (2014). Safety effects of an extensive black spot treatment programme in Flanders-Belgium. *Accident Analysis and Prevention*, 66, 72–79. <https://doi.org/10.1016/j.aap.2014.01.019>
- Debrabant, B., Halekoh, U., Bonat, W. H., Hansen, D. L., Hjelmberg, J., & Lauritsen, J. (2018). Identifying traffic accident black spots with Poisson-

- Tweedie models. *Accident Analysis and Prevention*, 111(April 2017), 147–154. <https://doi.org/10.1016/j.aap.2017.11.021>
- Direktorat Jenderal Bina Marga. (1997). *HI Gh Way Capaci T Y M An U Al Proj Ect (H Cm) Final Report: Indonesian Highway Capacity Manual And Software (Kaji) Pt. Bina Karya Persero*.
- Direktorat Jenderal Bina Marga. (2021). *Penanganan lokasi rawan kecelakaan lalu lintas*. <https://binamarga.pu.go.id/index.php/nspk/detail/pedoman-penanganan-lokasi-rawan-kecelakaan-lalu-lintas>
- Direktorat Jenderal Bina Marga. (2024). *Pedoman Bidang Lingkungan dan Keselamatan Jalan*.
- Ellytrina, D. F. N., & Zhafirah, A. (2023). Analisis Pengaruh Geometrik Jalan Terhadap Kecelakaan Lalu Lintas. *Cantilever: Jurnal Penelitian Dan Kajian Bidang Teknik Sipil*, 11(2), 121–128. <https://doi.org/10.35139/cantilever.v11i2.156>
- Elvik, R. (2012). Does use of formal tools for road safety management improve safety performance? *Transportation Research Record*, 2318, 1–6. <https://doi.org/10.3141/2318-01>
- Elvik Rune, Høye, A., Vaa, T., & Sorensen, M. (2009). *The Handbook Of Road Safety Measures Second Edition*. <https://scispace.com/pdf/the-handbook-of-road-safety-measures-qqxucplyid.pdf>
- Elvik Rune, hoye Alena, Vaa Truls, & Sorensen Michael. (2009). *The Handbook Of Road Safety Measures Second Edition*.
- Espinoza-Mina, M. A., & Colina-Vargas, A. M. (2024). Characterization of traffic accidents for urban road safety. *Revista Facultad de Ingenieria*, 112, 60–77. <https://doi.org/10.17533/udea.redin.20231134>
- Farooq, D., Moslem, S., & Duleba, S. (2019). Evaluation of driver behavior criteria for evolution of sustainable traffic safety. *Sustainability (Switzerland)*, 11(11). <https://doi.org/10.3390/su11113142>
- Gibbons, R., & Tech, V. (2020). *Solid-State Roadway Lighting Design Guide, Volume 1: Guidance*. <https://doi.org/10.17226/25678>
- Graser, Anita. (2016). *Learning QGIS - Third Edition : Create great maps and perform geoprocessing tasks with ease*. Packt Publishing.
- Hadijah, I. (2020). Analisis Blackspot Dan Faktor Penyebab Kecelakaan Jalan Jend. Sudirman–Ah. Nasution Kota Metro. *Jurnal Teknik Sipil*, 10(1), 75–86.

- Haghighi, F., & Karimi, E. (2018). Evaluation and Statistical Validation of Black-Spots Identification Methods. *Tarrahan Parseh Transportation Research Institute*, 6(1), 1–15.
- Hermawan, I., Firdausy, M, C., Rambe, Rizqy, K., Zuhdi, F., Erwidodo, Nugraheni, D, R., Malisan, J., Isnasari, Y., Marpaung, E., & Asshagab, M, S. (2024). Road traffic facilities, traffic accidents, and poverty Lesson learned from indonesia. *Transportation Research Interdisciplinary Perspectives*, 28. <https://doi.org/https://doi.org/10.1016/j.trip.2024.101273>
- Hillier, P. (2022). *Guide to Road Safety Part 6: Road Safety Audit*. www.austroads.com.au
- ICPCSI : 2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering : 21-22 Sepember 2017, Chennai, India*. (2018). Institute of Electrical and Electronics Engineers.
- International Transport Forum (ITF). (2018). *Road Safety Annual Report 2018*. www.itf-oecd.org/road-safety-annual-report-2018
- Iswari, L., & Ayu, E. G. (2015). Pemanfaatan Algoritma K-Means Untuk Pemetaan Hasil Klasterisasi Data Kecelakaan Lalu Lintas. *Teknoin*, 21(1), 1–13. <https://doi.org/10.20885/teknoin.vol21.iss1.art7>
- (ITF) International Transport Forum. (2019). *Corporate Partnership Board CPB Road Safety in European Cities Performance Indicators and Governance Solutions Case-Specific Policy Analysis*. www.itf-oecd.org
- Jamshidi, E., Moradi, A., & Majdzadeh, R. (2017). Environmental risk factors contributing to traffic accidents in children: a case-control study. *International Journal of Injury Control and Safety Promotion*, 24(3), 338–344. <https://doi.org/10.1080/17457300.2016.1183031>
- Kemenhub. (2014). *PM 13 Tahun 2014 Tentang Rambu Lalu Lintas*.
- Kennedy, L. W., Caplan, J. M., & Piza, E. (2011). Risk Clusters, Hotspots, and Spatial Intelligence: Risk Terrain Modeling as an Algorithm for Police Resource Allocation Strategies. *Journal of Quantitative Criminology*, 27(3), 339–362. <https://doi.org/10.1007/s10940-010-9126-2>
- Kim, W., Svancara, A. M., & Kelley-Baker, T. (2020). Understanding the impact of road design characteristic on teen driver’s fatality. *Traffic Injury Prevention*, 21(5), 313–318. <https://doi.org/10.1080/15389588.2020.1753038>
- Klinjun, N., Kelly, M., Praditsathaporn, C., & Petsirasan, R. (2021). Identification of factors affecting road traffic injuries incidence and severity in southern Thailand based on accident investigation reports. *Sustainability (Switzerland)*, 13(22). <https://doi.org/10.3390/su132212467>

- Lankarani, K. B., Heydari, S. T., Aghabeigi, M. R., Moafian, G., Hoseinzadeh, A., & Vossoughi, M. (2014). The impact of environmental factors on traffic accidents in Iran. *Journal of Injury and Violence Research*, 6(2), 64–71. <https://doi.org/10.5249/jivr.v6i2.318>
- Longley, P. A., Goodchild, M. F., Maguire, D. J., & Rhind, D. W. (2004). *Geographic Information Systems and Science*.
- Malkhamah, S., Eska, A. P., & Mustafa, A. (2019). Yogyakarta City Transport Service Planning For Integration With Existing Transport. *Jurnal Teknosains*, 8(1), 1. <https://doi.org/10.22146/teknosains.34699>
- Mallapiang, F., Azriful, Nildawati, Syarfaini, Muis, M., & Adriansyah. (2021). The relationship of posture working with musculoskeletal disorders (MSDs) in the weaver West Sulawesi Indonesia. *Gaceta Sanitaria*, 35(April), S15–S18. <https://doi.org/10.1016/j.gaceta.2020.12.005>
- Mcdonnell, R. A. (1998). *Principle of Geographic Information Systems*. <https://www.researchgate.net/publication/37419765>
- Mohammed, A. A., Ambak, K., Mosa, A. M., & Syamsunur, D. (2019). A Review of the Traffic Accidents and Related Practices Worldwide. *The Open Transportation Journal*, 13(1), 65–83. <https://doi.org/10.2174/1874447801913010065>
- Mohd Azami, M. F. A., Misro, M. Y., & Hamidun, R. (2024). Road crash dynamics in Malaysia: Analysis of trends and patterns. *Heliyon*, 10(18), e37457. <https://doi.org/10.1016/j.heliyon.2024.e37457>
- Mubalus, S. F. E. (2023). Analisis Faktor-Faktor Penyebab Kecelakaan Lalu Lintas Di Kabupaten Sorong Dan Penanggulangannya. *Sosced*, 6(1), 182–197.
- Mukherjee, D., & Mitra, S. (2020). A comprehensive study on factors influencing pedestrian signal violation behaviour: Experience from Kolkata City, India. *Safety Science*, 124. <https://doi.org/10.1016/j.ssci.2020.104610>
- Peraturan Menteri Perhubungan Nomor 111 Tahun 2015. (2015). *PM_111_Tahun_2015*.
- Peterson, Alan. (2005). *Road safety manual : recommendation from the World Road Association (PIARC)*. Route 2 Market.
- Prakash Giri, O., Bahadur Shahi, P., Selvam, J., Poddar, S., & Bhaumik, A. (2024). Road traffic regulation and enforcement status: A Nepalese traffic police perspective. In *Transportation Research Interdisciplinary Perspectives* (Vol. 26). Elsevier Ltd. <https://doi.org/10.1016/j.trip.2024.101188>



- Prastya, S. E., Nurhaeni, & Zulfadhilah Muhammad. (2021). Penentuan Pola Kecelakaan Lalu Lintas Menggunakan K-Modes Clustering. *Edik Informatika*, 8(1), 27–40. <https://doi.org/10.22202/ei.2021.v8i1.5213>
- Pratama, W. A., & Mahmudah, N. (2024). Spatial Analysis to Determine Black Spot Area in Kulon Progo Regency, Yogyakarta, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 1294(1). <https://doi.org/10.1088/1755-1315/1294/1/012016>
- Pusat Litbang Prasarana Transportasi. (2004). *Penanganan lokasi rawan kecelakaan lalu lintas*.
- Retallack, A. E., & Ostendorf, B. (2020). Relationship between traffic volume and accident frequency at intersections. *International Journal of Environmental Research and Public Health*, 17(4). <https://doi.org/10.3390/ijerph17041393>
- Saputro, A. E., Priyanto, S., & Irawan, M. Z. (2020). *Analisis Tingkat Pemahaman Berlalu Lintas Pada Siswa Sekolah Dasar Dengan Dan Tanpa Edukasi Di Kabupaten Bantul Yogyakarta* (Vol. 3).
- Sari, R., Choiri, A., & Prianto, A. (2023). Analisis Kecelakaan Lalu Lintas Beserta Kinerja Ruas Jalan Raya Sultan Agung Kota Bekasi. *Jurnal Informasi, Sains Dan Teknologi*, 6(1), 159–172. <https://doi.org/10.55606/isaintek.v6i1.115>
- Susanti, N., Angkat, C. T. D. E., Pohan, D. A., & Nasution, M. (2024). Analisis Faktor – Faktor Yang Berhubungan Dengan Resiko Kecelakaan Lalu Lintas. *Jurnal Kesehatan Tambusai*, 5(2), 5423–5429.
- Transportation Research Board (TRB). (2010). *The Highway Safety Manual Improving Methods and Results*.
- Tresna Aji, E. A., Firdaus, R., Sanggalangi, C., & Irfani, M. R. (2024). Analisis Daerah Rawan Kecelakaan Pada Ruas Jalan Tol Becakayu Menggunakan Metode Equivalent Accident Number (EAN). *Jurnal Keselamatan Transportasi Jalan (Indonesian Journal of Road Safety)*, 11(1), LAYOUTING. <https://doi.org/10.46447/ktj.v11i1.575>
- Turner, B., Tziotis, M., Hillier, P., Beck, D., & Makwasha, T. (2015). *Guide to Road Safety Part 8: Treatment of Crash Locations*. www.austroads.com.au
- Vandenbulcke, G., Thomas, I., & Int Panis, L. (2014). Predicting cycling accident risk in Brussels: A spatial case-control approach. *Accident Analysis and Prevention*, 62, 341–357. <https://doi.org/10.1016/j.aap.2013.07.001>
- Wahyuningsih, S. E., & Iksan, M. (2019). *The Benefits of the E-Traffic Ticketing (E-Tilang) System in the Settlement of Traffic Violation in Indonesia*.



- Wang, D., Liu, Q., Ma, L., Zhang, Y., & Cong, H. (2019). Road traffic accident severity analysis: A census-based study in China. *Journal of Safety Research*, 70, 135–147. <https://doi.org/10.1016/j.jsr.2019.06.002>
- Wang, X., Yu, H., Nie, C., Zhou, Y., Wang, H., & Shi, X. (2019). Road traffic injuries in China from 2007 to 2016: The epidemiological characteristics, trends and influencing factors. *PeerJ*, 2019(8). <https://doi.org/10.7717/peerj.7423>
- Węglarczyk, S. (2018). Kernel density estimation and its application. *ITM Web of Conferences*, 23, 00037. <https://doi.org/10.1051/itmconf/20182300037>
- WHO, W. H. O. (2023). *Global status report on road safety 2023*.
- Wicaksono, D., Fathurochman, R. A., & Riyanto, B. (2014). Analisis Kecelakaan Lalu Lintas. *Jurnal Karya Teknik Sipil*, 3(1), 203–213.
- Widodo, bambang; suharjito; (2017). Jurnal Sistem Informasi (Journal of Information Systems). 1/13 (2017), 67-77. *Jurnal Sistem Informasi (Journal of Information ...)*, 13, 49–66.
- World Health Organization. (2023). *Global status report on road safety 2023*.
- World Health Organization (WHO). (2018). *Global Status Report On Road Safety 2018*.
- Yuan, T., Zeng, X., & Shi, T. (2020). Identifying Urban road black spots with a novel method based on the firefly clustering algorithm and a geographic information system. *Sustainability (Switzerland)*, 12(5). <https://doi.org/10.3390/su12052091>
- Zheng, L., Sayed, T., & Mannering, F. (2021). Modeling traffic conflicts for use in road safety analysis: A review of analytic methods and future directions. *Analytic Methods in Accident Research*, 29. <https://doi.org/10.1016/j.amar.2020.100142>
- Zou, X., Sun, L., Lan, T., Fan, C., Liu, S., Zhao, H., & Qiu, J. (2024). The effects of weather factors on road traffic casualties: Analysis on provincial panel data of China from 2006 to 2021. *Heliyon*, 10(17), e36788. <https://doi.org/10.1016/j.heliyon.2024.e36788>