

Daftar Pustaka

- Albattah, M. M., Ghayda, A. R. S., Samih, A. R. B., & Sadoun, B. (2021). Assessment of geomatics engineering techniques for landslides investigations for traffic safety. *Egyptian Journal of Remote Sensing and Space Science*, 24(3), 805–814. <https://doi.org/10.1016/j.ejrs.2021.06.007>
- Bangdiwala, S. I. (2018). Regression: simple linear. Dalam *International Journal of Injury Control and Safety Promotion* (Vol. 25, Nomor 1, hlm. 113–115). Taylor and Francis Ltd. <https://doi.org/10.1080/17457300.2018.1426702>
- Buckley, A. (2008, Juni 12). *Expressing slope*. Esri. <https://www.esri.com/arcgis-blog/products/product/mapping/expressing-slope/>
- Daidone, L., Pagliari, E., Pennisi, L., Caporali, E., Mazzia, E., & Tiberi, P. (2023). Road Infrastructure Inspections to Assess the Road Network According to the iRAP/EuroRAP methodology. *Transportation Research Procedia*, 69, 743–750. <https://doi.org/10.1016/j.trpro.2023.02.231>
- Derras, A., Amara, K., & Oulha, R. (2022). Application of the IRAP Method Combined with GIS to Improve Road Safety on New Highway Projects in Algeria. *Periodica Polytechnica Transportation Engineering*, 50(4), 414–425. <https://doi.org/10.3311/PPtr.19026>
- Direktorat Pemetaan dan Evaluasi Risiko Bencana. (2021). *Kajian Risiko Bencana Nasional Provinsi Daerah Istimewa Yogyakarta 2022 - 2026*.
- Dwiyantara, A., Budiharjo, A., & Suradji, D. (2019). Sistem Informasi Penilaian Keselamatan Jalan Tol Dengan Menggunakan Star Rating Berbasis WebGIS (Studi Kasus : Jalan Tol Cikopo-Palimanan). *Jurnal Keselamatan Transportasi Jalan*, 37–49.
- ESRI. (2021a). *Classifying numerical fields for graduated symbology*. <https://desktop.arcgis.com/en/arcmap/latest/map/working-with-layers/classifying-numerical-fields-for-graduated-symbols.htm>
- ESRI. (2021b). *Overlay analysis*. <https://desktop.arcgis.com/en/arcmap/latest/analyze/commonly-used-tools/overlay-analysis.htm>
- ESRI. (2021c). *Proximity analysis*. <https://desktop.arcgis.com/en/arcmap/latest/analyze/commonly-used-tools/proximity-analysis.htm>
- ESRI. (2021d). *Types of network analysis layers*. <https://desktop.arcgis.com/en/arcmap/latest/extensions/network-analyst/types-of-network-analyses.htm>
- García-Ramírez, Y. (2023). Proposal of New Star Rating Bands for iRAP on Two-lane Rural Roads in Ecuador. *International Conference on Civil, Structural and Transportation Engineering*. <https://doi.org/10.11159/iccste23.203>

Ghozali, I. (2018). *Aplikasi analisis multivariate dengan program IBM SPSS 25*. Badan Penerbit Universitas Diponegoro.

Harwinda, Z. B., & Kusuma, I. J. (2022). *Inovasi Pemanfaatan Data Geospasial Kementerian PUPR (Studi Kasus: Analisis Kerawanan Longsor Ruas Jalan Nasional Di Provinsi Yogyakarta)*. <https://doi.org/https://doi.org/10.58674/phpji.v15i1.63>

iRAP. (2013). *iRAP Methodology Fact Sheet # 7 Star Rating bands*. <https://irap.org/methodology/>

iRAP. (2021a). *Star Rating Demonstrator*. <https://irap.org/rap-tools/enabling-software/star-rating-demonstrator/>

iRAP. (2021b). *Star Ratings*. <https://irap.org/rap-tools/infrastructure-ratings/star-ratings/>

iRAP. (2024a). *A world free of high-risk roads*. <https://irap.org/>

iRAP. (2024b). *iRAP Coding Manual*. https://resources.irap.org/Specifications/iRAP_Coding_Manual_Drive_on_Left.pdf?_gl=1*1nnhfta*_ga*Nzg3NDExMDU2LjE3MjQ0NTQwMDE.*_ga_HK6PSM29PR*MTcyNjgwMjgyNC42LjEuMTcyNjgwNDExMi4wLjAuMA..

Islam, M. M., Goshami, S., Taskin, T., Tanvir, M., & Ahasan, B. (2023). Assessment of Road Safety for Pedestrians in Rajshahi City, Bangladesh. *ICPACE*, 363–368. <https://www.researchgate.net/publication/374660885>

Ismail, Haryono, & Tedjo, P. (2019). Model of Prevention of Traffic Accidents. *International Conference On Governance Innovation and Social Sciences*, 838–849. <http://jurnal.unmuhjember.ac.id/index.php/ICOGISS19/article/view/2547>

Joshua, A., & Setyarini. (2021). Evaluasi Kondisi 1KM Ruas Jalan MH Thamrin Menggunakan Metode iRAP Untuk Mencapai Star Rating 4. *Jurnal Mitra Teknik Sipil*, 4(1), 81–94.

Li, J., Xia, H., Qin, Y., Fu, P., Guo, X., Li, R., & Zhao, X. (2022). Web GIS for Sustainable Education: Towards Natural Disaster Education for High School Students. *Sustainability (Switzerland)*, 14(5). <https://doi.org/10.3390/su14052694>

Li, Z. (2020). *Pipeline Spatial Data Modeling and Pipeline WebGIS*. Springer. <https://doi.org/https://doi.org/10.1007/978-3-030-24240-4>

Liu, Q., Tang, A., Huang, D., Huang, Z., Zhang, B., & Xu, X. (2022). Total probabilistic measure for the potential risk of regional roads exposed to landslides. *Reliability Engineering and System Safety*, 228. <https://doi.org/10.1016/j.ress.2022.108822>

Ma, Z., & Mei, G. (2021). Deep learning for geological hazards analysis: Data, models, applications, and opportunities. Dalam *Earth-Science Reviews* (Vol. 223). Elsevier B.V. <https://doi.org/10.1016/j.earscirev.2021.103858>

Mavrouli, O., Corominas, J., Ibarbia, I., Alonso, N., Jugo, I., Ruiz, J., Luzuriaga, S., & Navarro, J. A. (2019). Integrated risk assessment due to slope instabilities in the

- Mulyono, A. T. (2021). *Uji Laik Fungsi Jalan Berkeselamatan dan Berkepastian Hukum* (Irfan, Ed.; 1 ed.). Gadjah Mada University Press.
- Murozi, A. F. M., Ishak, S. Z., Nusa, F. N. M., Hoong, A. P. W., & Sulistyono, S. (2022). The Application of International Road Assessment Programme (iRAP) as a Road Infrastructure Risk Assessment Tool. *2022 IEEE 13th Control and System Graduate Research Colloquium, ICSGRC 2022 - Conference Proceedings*, 237–242. <https://doi.org/10.1109/ICSGRC55096.2022.9845149>
- Nielsen, J. (2012, Januari 3). *Usability 101 : Introduction to Usability*. Nielsen Norman Group. <https://www.nngroup.com/articles/usability-101-introduction-to-usability/>
- Peraturan Presiden Nomor 1 Tahun 2022. (2022). *Rencana Umum Nasional Keselamatan Lalu Lintas dan Angkutan Jalan (RUNK-LLAJ)*.
- Pereira, R. E., & Gheisari, M. (2019). 360-Degree Panoramas as a Reality Capturing Technique in Construction Domain: Applications and Limitations. *55th ASC Annual International Conference Proceedings*, 435–2. <http://www.ascpro.ascweb.org435>
- Permen PU No 22/PRT/M/2007. (t.t.). *Pedoman Penataan Ruang Kawasan Rawan Bencana Longsor*.
- Permen PU Nomor 5 Tahun 2023. (t.t.). *Persyaratan Teknis Jalan dan Perencanaan Teknis Jalan*.
- PM Nomor 96 Tahun 2015. (t.t.). *Pedoman Pelaksanaan Kegiatan Manajemen dan Rekayasa Lalu Lintas*.
- Postance, B., Hillier, J., Dijkstra, T., & Dixon, N. (2017). Extending natural hazard impacts: An assessment of landslide disruptions on a national road transportation network. *Environmental Research Letters*, 12(1). <https://doi.org/10.1088/1748-9326/aa5555>
- Prahasta. (2001). *Konsep-Konsep Dasar Sistem Informasi Geografis* (pertama). Informatika.
- Prahasta, E. (2007). *Sistem Informasi Geografis : Membangun Aplikasi Web-based GIS Dengan Mapserver* (1 ed.). Informatika.
- Rahmita, D., & Malkhamah, S. (2020). Analisis Hubungan Hasil Penilaian Keselamatan Jalan dengan Tingkat Kecelakaan pada Ruas Jalan Pantura di Kota Tegal. Dalam *Journal of Civil Engineering and Planning* (Vol. 1, Nomor 1).
- Rencher, A. C., & Schaalje, G. Bruce. (2008). *Linear models in statistics* (2 ed.). Wiley-Interscience.
- Ria, S. Y. (2023, April 9). Waspada! Ini 4 Jalur Rawan Longsor yang Dilewati Pemudik Lebaran 2023. *Harian Jogja*. <https://jogjapolitan.harianjogja.com/read/2023/04/09/510/1131613/waspada-ini-4-jalur-rawan-longsor-yang-dilewati-pemudik-lebaran-2023>

- Rosson, M. B., & Carroll, J. M. (2002). *Usability Engineering, Scenario-Based Development of Human-Computer Interaction*. Elsevier Science.
- Sa'adah, K. (2017). *Aplikasi Panduan Sosialisasi Keselamatan Lalu Lintas "Road Safety" Menggunakan Phonegap Dengan Android*. Universitas Negeri Semarang.
- Setyarini, & Arifin, A. P. (2023). Evaluasi Jalan Medan Merdeka Selatan Menggunakan Metode iRAP dan Metode AKJ Untuk Mencapai Star Rating 4 Dan 5. *Jurnal Mitra Teknik Sipil*, 6(1), 21–30.
- Sianturi, L. F. N. S., & Setyarini, N. L. P. S. E. (2020). Audit Keselamatan Jalan Tol Kunciran-Serpong. *JMTS: Jurnal Mitra Teknik Sipil*, 3(3), 639. <https://doi.org/10.24912/jmts.v3i3.8387>
- Starbuck, C. (2023). The Fundamentals of People Analytics. Dalam *The Fundamentals of People Analytics*. Springer International Publishing. <https://doi.org/10.1007/978-3-031-28674-2>
- Sumantri, S. H., Supriyanto, M., Sutisna, S., & Widana, D. K. K. (2019). *Sistem Informasi Geografi (Geographic Information System) Kerentanan Bencana* (S. Inaqa, Ed.; 1 ed.). CV Makmur Cahaya Ilmu.
- Susanto, A. A. (2023). *Penilaian Keselamatan Jalan Pada Daerah Rawan Kecelakaan Menggunakan Metode Star Rating IRAP (Studi Kasus: Jalan Yogyakarta-Bakulan 1)*.
- The Global Goals. (t.t.). *The 17 Goals*. <https://www.globalgoals.org/goals/>.
- UU Nomor 22 Tahun 2009. (t.t.). *Lalu Lintas dan Angkutan Jalan*.
- WHO. (2023, Desember 13). *Road traffic injuries*. World Health Organization. <https://www.who.int/news-room/fact-sheets/detail/road-traffic-injuries>
- Wibisono, G. I., Ramadan, F. E., & Hernawan, A. (2019). Analisis Lalu Lintas Harian Rata-Rata (LHR) Dalam Menghindari Kecelakaan. *Jurnal Manajemen Bisnis Transportasi dan Logistik (JMBTL)*, 5(3). <http://library.itl.ac.id/jurnal>
- Wicaksono, A. P., & Khafid, M. A. (2022). Karakterisasi Longsor untuk Analisis Kerawanan Bencana Longsor di Baturturu, Kabupaten Gunungkidul. *Majalah Geografi Indonesia*, 36(2), 119. <https://doi.org/10.22146/mgi.71857>
- Zhou, M., Yuan, M., Yang, G., & Mei, G. (2023). Risk analysis of road networks under the influence of landslides by considering landslide susceptibility and road vulnerability: A case study. *Natural Hazards Research*. <https://doi.org/10.1016/j.nhres.2023.09.013>