

DAFTAR PUSTAKA

- ABNT (1976) NBR (6973), National Road System in Road Modality, Brazilian Association of Technical Standards.
- Anastasopoulos, P., Mannering, F., 2009. A note on modeling vehicle accident frequencies with random-parameters count models. *Accident Analysis and Prevention* 41 (1), 153–159.
- Anastasopoulos, P., Shankar, V., Haddock, J., Mannering, F., 2012. A multivariate Tobit analysis of highway accident-injury-severity rates. *Accident Analysis and Prevention* 45 (1), 110–119.
- Badan Pusat Statistik (2020) “PDRB Atas Dasar Harga Konstan Provinsi Jawa Barat (Milyar Rupiah), 2018-2019”. Diunduh dari <https://jabar.bps.go.id/indicator/52/113/1/pdrb-atas-dasar-harga-konstan-provinsi-jawa-barat.html> pada tanggal 15 November 2020.
- Badan Pusat Statistik Provinsi DIY (2020) Jumlah Penduduk Provinsi DIY Menurut Kecamatan Berdasarkan Hasil Registrasi Penduduk, 2019.
- Badan Pusat Statistik Provinsi DIY (2020) Panjang Jalan Menurut Kondisi Jalan, 2017-2019.
- Barić, D., Pilko, H. and Strujić, J. (2016) ‘An analytic hierarchy process model to evaluate road section design’, *Transport*, 31(3), pp. 312–321. doi: 10.3846/16484142.2016.1157830.
- Bertoncini, B.V., et.al (2021) Onboard analysis of vehicle emissions in urban ways with different functional classifications. *Urban Climate* 39 (2021). <https://doi.org/10.1016/j.uclim.2021.100950>.
- Bobulescu, Roxana, and Aneta Fritscheova. 2021. “Convivial Innovation in Sustainable Communities: Four Cases in France.” *Ecological Economics* 181: 106932. <https://doi.org/10.1016/j.ecolecon.2020.106932>.
- Brans, J. P., Engelen, G. & Hubert, L. (1981) Accessibility to a Road Network: Definitions and Applications. *The Journal of the Operational Research Society*, Aug., 1981, Vol. 32, No. 8 (Aug., 1981), pp. 653-673. Palgrave Macmillan Journals on behalf of the Operational Research Society Diunduh dari <https://www.jstor.org/stable/2580945>.
- Chen, F.Y. and Chang, Y.H. (2005) Examining airline service quality from a process perspective. *Journal of Air Transport Management*, 11, 79–87.
- Chin. (2010) How to Write Up and Report PLS Analyses. *Handbook of Partial Least Squares: Concepts, Methods and Applications*, Springer, Heidelberg, Dordrecht, London, New York, 655-690.
- Chou, J., Kim C., Kuo, Y. and Ou, N. (2011) Deploying effective service strategy in the operations stage of high-speed rail. *Transportation Research Part E*, 47(4), 507-519.
- Cidell, J., & Prytherch, D. (Eds.). (2015). *Transport, Mobility, and the Production of Urban Space* (1st ed.). Routledge. <https://doi.org/10.4324/9781315709680>
- Couch, C., Sykes, O., & Börstinghaus, W. (2011). Thirty years of urban regeneration in Britain, Germany and France: The importance of context and path dependency. *Progress in Planning*, 75(1), 1–52. <https://doi.org/10.1016/j.progress.2010.12.001>
- Crompton, J. L., & Duray, N. A. (1985). An Investigation of the Relative Efficiency of Four Alternative Approaches to Importance Performance Analysis. *Journal of Academy of marketing Sciences*.



- Daniel, (1989). *Statistika Nonparametrik Terapan*. Terjemahan Alex Tri Kuncoro. Jakarta: PT Gramedia.
- Dembski S., & Salet, W. (2010). The transformative potential of institutions: how symbolic markers can institute new social meaning in changing cities. *Environment and Planning A*, 42(3), 611–625. [<https://doi.org/10.1068/a42184>]
- Departemen Perhubungan. 2005. “Master Plan Transportasi Darat 2005”. Dirjen Perhubungan Darat. Jakarta.
- Departemen Permukiman dan Prasarana Wilayah (2004) ‘Penentuan Klasifikasi Fungsi Jalan di Kawasan Perkotaan’, *Penentuan Klasifikasi Fungsi Jalan di Kawasan Perkotaan*.
- Department for Transport. (2012). *Guidance On Road Classification and The Primary Route Network*. 2012. <https://www.gov.uk/government/publications/guidance-on-road-classification-and-the-primary-route-network/guidance-on-road-classification-and-the-primary-route-network>
- De Abreu E Silva, J., & Goulias, K. G. (2009). Structural equations model of land use patterns, location choice, and travel behavior: Seattle, Washington, compared with Lisbon, Portugal. *Transportation Research Record*, 2135, 106–113. <https://doi.org/10.3141/2135-13>
- De Lannoy, W. & Van Oudheusden, D.(1978) *The Accessibility Of Nodes In The Belgian Road Network*. *GeoJournal*, Vol. 2, No. 1, Urban Development (1978), pp. 65-70. Springer. Diunduh dari <https://www.jstor.org/stable/41142071> pada 30-11-2020 06:27 UTC.
- Diamantopoulos, A., Riefler, P., & Roth, K. P. (2008). Advancing formative measurement models. *Journal of Business Research*, 61(12), 1203-1218.
- Dijkstra, Atze. (2011). En route to safer roads : how road structure and road classification can affect road safety. *Queueing Systems - Theory and Applications - QUESTA*.
- Direktorat Jendral Bina Marga, 2021, *Pedoman Desain Geometrik Jalan No 20/SE/Db/2021*, Badan Penerbit Pekerjaan Umum, Jakarta
- Direktorat Jenderal Perhubungan Darat, 2025, *Peran Perencana dalam Meningkatkan Keselamatan dan Kelancaran Transportasi*, disampaikan dalam IAP Talks tanggal 23 Januari 2025.
- Dong, J. X., Cheng, T., Xu, J., Wu, J. (2013) “Quantitative assessment of urban road network hierarchy planning”, *Town Planning Review*, 84(4), pp. 445–472. doi: 10.3828/tpr.2013.24.
- Do, M. & Jung, H. (2018) Enhancing Road Network Resilience by Considering the Performance Loss and Asset Value. www.mdpi.com/journal/sustainability.
- Duarte, P., & Raposo, M. (2010). A PLS model to study brand preference: An application to the mobile phone market. In V. E.Vinzi, W. W. Chin, J. Henseler, & H. Wang (Eds.), *Handbook of partial least squares* (pp. 449–485). Springer.
- Eboli, L., Forciniti, C., & Mazzulla, G. (2012). Exploring Land Use and Transport Interaction through Structural Equation Modelling. *Procedia - Social and Behavioral Sciences*, 54, 107–116. <https://doi.org/10.1016/j.sbspro.2012.09.730>
- Engström, R. (2016) ‘The Roads’ Role in the Freight Transport System’, *Transportation Research Procedia*. Elsevier B.V., 14, pp. 1443–1452. doi: 10.1016/j.trpro.2016.05.217.



- Eppell, V., McClurg, B. A. and Bunker, J. M. (2001) "A four level road hierarchy for network planning and management", *20th ARRB Conference*, p. 15. Available at: <https://eprints.qut.edu.au/2349/1/2349.pdf>.
- Eppell, V.A.T. and Zwart, J. (1997) *Hierarchy the Next Step 21st Australian Transport Research Forum Adelaide*
- Fardhan, M. (2018). Kajian Kerusakan Lingkungan Fisik Akibat Kegiatan Penambangan Pasir Di Kelurahan Kalumata Kota Ternate Selatan, Provinsi Maluku Utara. *Rekayasa Teknologi Industri Dan Informasi*, 2018(November), 124–129.
- Federal Highway Administration. (2010). *Functional Classification Guidelines. Concepts, Criteria and Procedures*. http://www.fhwa.dot.gov/planning/fcsec1_1.htm
- Figler, S.A., Sriraj, P.S., Welch, E.W. and Yavuz, N. (2011) Customer loyalty and Chicago, Illinois, transit authority buses. *Transportation Research Record: Journal of the Transportation Research Board*, 2216, 148-156.
- Fithra, H. & Saleh, Sofyan M. (2011) Biaya Preservasi Jalan Akibat Truk dengan Beban Berlebih di Jalan Pesisir Timur Provinsi Aceh. *Jurnal Transportasi* Vol. 11 No. 3 Desember 2011 : 219-228
- Fleischmann, Katja & Daniel, Ryan & Welters, Riccardo. (2017). Developing a regional economy through creative industries: innovation capacity in a regional Australian city. *Creative Industries Journal*. 10. 1-20. 10.1080/17510694.2017.1282305.
- Frantzeskakis, John M. (1997) *Planning Urban Networks: The Islamabad Example*. *Transportation Quarterly* Volume: 51, Issue Number: 1, Publisher: Eno Transportation Foundation, ISSN: 0278-9434.
- Freitas, A.L.P. (2013) Assessing the quality of intercity road transportation of passengers: An exploratory study in Brazil. *Transportation Research Part A: Policy and Practice*. 49, 379–392.
- Friedricha, M. (2017). Functional Structuring of Road Networks. *Transportation Research Procedia*, 25, 568–581. <https://doi.org/10.1016/j.trpro.2017.05.439>
- García-López, M. àngel (2012) 'Urban spatial structure, suburbanization and transportation in Barcelona', *Journal of Urban Economics*, 72(2–3), pp. 176–190. doi: 10.1016/j.jue.2012.05.003.
- Gertler, P. J., Navarro, M.G., Gracner, T., Rothenberg, A.D. (2016) 'Road Quality , Local Economic Activity , and Welfare : Evidence from Indonesia's Highways', p. 40. Available at: https://are.berkeley.edu/sites/are.berkeley.edu/files/Indonesia_Roads.pdf%0Ahttps://cloudfont.escholarship.org/dist/prd/content/qt0vs9p5mb/qt0vs9p5mb.pdf.
- Ginting, D.B. (2009) *Structural Equation Model (SEM)*. *Media Informatika* Vol.8 No.3 (2009). Sekolah Tinggi Manajemen Informatika dan Komputer LIKMI. Diunduh dari https://jurnal.likmi.ac.id/Jurnal/11_2009/SEM_dahlia_.pdf pada tanggal 29 Desember 2021.
- Gonçalves, L. A. P. J. and Ribeiro, P. J. G. (2020) "Resilience of urban transportation systems. Concept, characteristics, and methods", *Journal of Transport Geography*. Elsevier, 85(April), p. 102727. doi: 10.1016/j.jtrangeo.2020.102727.
- Goto, A. and Nakamura, H. (2016) 'Functionally Hierarchical Road Classification Considering

- the Area Characteristics for the Performance-oriented Road Planning', *Transportation Research Procedia*. Elsevier B.V., 15, pp. 732–748. doi: 10.1016/j.trpro.2016.06.061.
- Gujarati, D. N. 2003. *Basic Econometrics*, 4th Edition. McGrawHill, New York, USA.
- Ha, O., Park, D., Lee, K., Won, J. (2011) 'Evaluation criteria for road networks in residential areas', *KSCE Journal of Civil Engineering*, 15(7), pp. 1273–1284. doi: 10.1007/s12205-011-1278-6.
- Hair, J.F., Risher, J.J., Sarstedt, M. and Ringle, C.M. (2019), "When to use and how to report the results of PLS-SEM", *European Business Review*, Vol. 31 No. 1, pp. 2-24.
- Hairani, M. (2015). Penggunaan Jalan Umum untuk Angkutan Hasil Tambang (Studi Kasus di Kabupaten Banjar Provinsi Kalimantan Selatan). *Universitas Islam Kalimantan*, 1(1).
- Han, C., Huang, H, Lee, J. & Wang, J (2018) Investigating varying effect of road-level factors on crash frequency across regions: A Bayesian hierarchical random parameter modeling approach. *Analytic Methods in Accident Research* 20 (2018) 81–91. <https://doi.org/10.1016/j.amar.2018.10.002>.
- Hernandez, S., Monzon, A., & Ona, R. (2014). Urban transport interchanges : Importance-Performance analysis for Urban transport interchanges : methodology for evaluating perceived quality By : Sara Hernandez , Andres Monzon and Rocío de Oña. *Transportation Research Part A*, 84(June), 31–43.
- Huang, L., Zhu, X., Ye, X., Guo, W., Wang, J. (2016) 'Characterizing street hierarchies through network analysis and large-scale taxi traffic flow: a case study of Wuhan, China', *Environment and Planning B: Planning and Design*, 43(2), pp. 276–296. doi: 10.1177/0265813515614456
- Hui Zhu, Kaiqi Zhang, Changjun Wang, Lujin Jia, Siyu Song, "The Impact of Road Functions on Road Congestions Based on POI Clustering: An Empirical Analysis in Xi'an, China", *Journal of Advanced Transportation*, vol. 2023, Article ID 6144048, 17 pages, 2023. <https://doi.org/10.1155/2023/6144048>
- Jayasinghe, A., Sano, K., Abenayake, C.C., Mahanama, P.K.S. (2019) 'A novel approach to model traffic on road segments of large-scale urban road networks', *MethodsX*. Elsevier B.V., 6(January), pp. 1147–1163. doi: 10.1016/j.mex.2019.04.024
- Jenelius, Erik (2010) User inequity implications of road network vulnerability. *Journal of Transport and Land Use* 2 [Winter2010] pp.57–73. Diunduh dari <https://www.jstor.org/stable/26201638> pada tanggal 30 November 2020.
- Joewono, T. B., Tarigan, A. K. M., & Susilo, Y. O. (2016). Road-based public transportation in urban areas of Indonesia: What policies do users expect to improve the service quality? *Transport Policy*, 49. <https://doi.org/10.1016/j.tranpol.2016.04.009>
- JICA. (2010). *Study Report On Planning the Road Preservation Fund In The Republic of Indonesia* (Inception). Ministry of Public Works.
- Johnson, R. A. dan Wichern, D. W. (2007). *Applied Multivariate Statistical Analysis*, 6th edition. New Jersey: Printice Hall.
- Kara, B.Y. & Verter, V. (2004) Designing a Road Network for Hazardous Materials Transportation. *Transportation Science* , May 2004, Vol. 38, No. 2, Special Issue On Freight Transportation (May 2004), pp. 188-196. INFORMS. Diunduh dari <https://www.jstor.org/stable/25769190> pada tanggal 2 Desember 2020.



- Karim, M. R., Ibrahim, N. I., Saifizul, A. A., & Yamanaka, H. (2014). Effectiveness of vehicle weight enforcement in a developing country using weigh-in-motion sorting system considering vehicle by-pass and enforcement capability. *IATSS Research*, 37(2), 124–129. <https://doi.org/10.1016/j.iatssr.2013.06.004>
- Kaviani, Arash & Thompson, Russell & Rajabifard, Abbas & Sarvi, Majid. (2020). A model for multi-class road network recovery scheduling of regional road networks. *Transportation*. 47. 10.1007/s11116-017-9852-5.
- Kementerian Pekerjaan Umum dan Perumahan Rakyat (2020) “Pengendalian ODOL Jaga Kemantapan Jalan dan Keselamatan Berkendara”. Diunduh dari <https://www.pu.go.id/berita/view/17992/pengendalian-odol-jaga-kemantapan-jalan-dan-keselamatan-berkendara> pada 12 November 2020.
- Kementerian Agraria dan Tata Ruang (2020) Peta Rencana Tata Ruang Wilayah Provinsi Lampung. <https://gistarua.trbnp.go.id/rtronline/>
- Kementerian Perhubungan (2018) “Peraturan Direktur Jenderal Perhubungan Direktur Jenderal Perhubungan Darat SK.3723/AJ.005/DRJD/2018”. Jakarta
- Kenley, R., Harfielda, T., & Bedggood, J. (2014) Road Asset Management: the role of location in mitigating extreme flood maintenance. *Procedia Economics and Finance* 18 (2014) 198 – 205. 4th International Conference on Building Resilience, Building Resilience 2014, 8-10 September 2014, Salford Quays, United kingdom. Elsevier.
- Khayesi, Meleckidzedek (1995) “Analysis of The Pattern of The Road Network in Kakamega District, Kenya”. *Journal of Eastern African Research & Development* , 1995, Vol. 25 (1995), pp. 188-203. Published by: Gideon Were Publications Stable URL: <https://www.jstor.org/stable/24326279>
- Kline, Rex B. (2016) *Principles and Practice of Structural Equation Modeling*. Fourth Edition. The Guilford Press.
- Kuse, H., Endo, A. and Iwao, E. (2010) ‘Logistics facility, road network and district planning: Establishing comprehensive planning for city logistics’, *Procedia - Social and Behavioral Sciences*, 2(3), pp. 6251–6263. doi: 10.1016/j.sbspro.2010.04.035.
- Kusuma, W., Sindy Setiawan, R. N., Verma, K., & Utomo, C. F. (2021). Structural Equation Modeling-Partial Least Square for Poverty Modeling in Papua Province. *Jurnal Varian*, 4(2), 79–90. <https://doi.org/10.30812/varian.v4i2.852>
- Lee, J., Nam, B., Abdel-Aty, M., 2015. Effects of pavement surface conditions on traffic crash severity. *Journal of Transportation Engineering* 141 (10), 04015020.
- Lekan, A., Clinton, A., Fayomi, O., & James, O. (2020). Lean Thinking and Industrial 4.0 Approach to Achieving Construction 4.0 for Industrialization and Technological Development. *Buildings*, 10, 215–220. <https://doi.org/10.1201/9781420046144.ch12>
- Levinson, David & Zhu, Shanjiang (2011) “The Hierarchy of Roads, The Locality of Traffic, and Governance”. Elsevier 19 October 2011. *TransportPolicy* 19(2012)147–154.
- Liu, B., Yan, L., Wang, Z. (2017) Reclassification of urban road system: integrating three dimensions of mobility, activity, and mode priority. *Transportation Research Procedia* 25 (2017) 627–638
- Liu, P., Mu, D., & Gong, D. (2017). Eliminating overload trucking via a modal shift to achieve intercity freight sustainability: A system dynamics approach. *Sustainability (Switzerland)*,



9(3). <https://doi.org/10.3390/su9030398>

- Louangrath, Paul T.I., “Sample Size Determination for Non-Finite Population.” International Conference on Discrete Mathematics and Applied Science, May 2014 (ICDMAS 2014). University of Thai Chamber of Commerce (UTCC). Conference Proceedings. Applied Science Section, Article No. 2.
- Lubitow, A., Rainer, J., Bassett, S. (2017). Exclusion and vulnerability on public transit: experiences of transit dependent riders in Portland, Oregon. *Mobilities*, Published online, 16 Jan 2017.
- Macbeth, A. G. and Civil, F. (2007) ‘A National Road Hierarchy Are We Ready ?’, Transport. IPENZ Transportation Conference di Tauranga 10 Oktober 2007. Diunduh dari https://viastrada.nz/sites/default/files/National_Road_Hierarchy_IPENZ.pdf
- Martilla, J.A. and James, J.C. (1977) Importance-performance analysis. *Journal of Marketing*, 14(1), 77–79.
- Meng Zhang, Liqiu Meng & Joachim Bobrich (2010) A road network matching approach guided by ‘structure’, *Annals of GIS*, 16:3, 165-176, DOI:10.1080/19475683.2010.513154. <https://doi.org/10.1080/19475683.2010.513154>
- Metz, D. (2021). Economic benefits of road widening: Discrepancy between outturn and forecast. *Transportation Research Part A: Policy and Practice*, 147(April 2020), 312–319. <https://doi.org/10.1016/j.tra.2021.03.023>
- Miyagawa, Masashi (2011) Hierarchical system of road networks with inward, outward, and through traffic. *Journal of Transport Geography* 19 (2011) 591–595. Elsevier.
- Morrison, D.F. (2005). *Multivariate Statistical Methods Fourth Edition*. The Wharton School University of Pennsylvania.
- Mulyono, T.A. (2021). *Uji Laik Fungsi Jalan Berkeselamatan dan Berkepastian Hukum*. Yogyakarta. Gadjah Mada University Press.
- National Academies of Sciences, Engineering, and Medicine 2005. *A Guidebook for Including Access Management in Transportation Planning*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/23289>
- National Academies of Sciences, Engineering, and Medicine 2018. *Resilience in Transportation Planning, Engineering, Management, Policy, and Administration*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25166>
- National Academies of Sciences, Engineering, and Medicine (2019) *Freight Transportation Resilience in Response to Supply Chain Disruptions*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25463>.
- National Academies of Sciences, Engineering, and Medicine 2019. *Renewing the National Commitment to the Interstate Highway System: A Foundation for the Future*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25334>.
- Ormanovic, Semso & Ciric, Alen & Talović, Munir & Alić, Haris & Jelešković, Eldin & Čaušević, Denis. (2017). Importance-Performance Analysis: Different Approaches. *Acta Kinesiológica*. 11. 58-66.
- Parthasarathi, P. (2014) ‘Network structure and metropolitan mobility’, *Journal of Transport and Land Use*, 7(2), p. 153. doi: 10.5198/jtlu.v7i2.494.



- Peiser, R.B. (1984) Land Use versus Road Network Design in Community Transport Cost Evaluation. *Land Economics* , Feb., 1984, Vol. 60, No. 1 (Feb., 1984), pp. 95-109. University of Wisconsin Press Stable. Diunduh dari <https://www.jstor.org/stable/3146096>.
- Pepucha, L., Remek, L., Sramek, J., Danisovic, P., Slabej, M., Grinc, M. (2014) *'Implementation Of Asset Management In Road Administration Of Slovak Republic'*, *Acta Logistica-International Scientific Journal*, 1, pp. 31–38.
- Peraturan Menteri Pekerjaan Umum Nomor 03/PRT/M/2012 (2012) 'Peraturan Menteri Pekerjaan Umum Nomor 03 Tahun 2012', *Pedoman Penetapan Fungsi Jalan Dan Status Jalan*.
- Peraturan Menteri Pekerjaan Umum Nomor 19/PRT/M/2011 (2011) 'Peraturan Menteri Pekerjaan Umum Nomor 19 Tahun 2011', *Persyaratan Teknis jalan dan Kriteria Perencanaan Teknis Jalan*.
- Peraturan Menteri Pekerjaan Umum Nomor 20/PRT/M/2011 (2011) 'Peraturan Menteri Pekerjaan Umum Nomor 20 Tahun 2011', *Pedoman Penyusunan Rencana Detail Tata Ruang Dan Peraturan Zonasi Kabupaten/Kota*.
- Peraturan Pemerintah Republik Indonesia Nomor 13 Tahun 2017 tentang Perubahan atas Peraturan Pemerintah Nomor 26 Tahun 2008 tentang Rencana Tata Ruang Wilayah Nasional
- Peraturan Pemerintah Republik Indonesia Nomor 26 tahun 2008 (2008) 'Peraturan Pemerintah Republik Indonesia Nomor 26 tahun 2008', *Rencana Tata Ruang Wilayah Nasional*.
- Peraturan Pemerintah Republik Indonesia Nomor 34 Tahun 2006 (2006) 'Peraturan Pemerintah Republik Indonesia Nomor 34 Tahun 2006', *Jalan*.
- Perz SG, Cabrera L, Carvalho LA, Castillo J, Chacanta,R., Cossio, R.E., Solano Y.F, Perales, L.M., Puerta, I., Ce'spedes,D.R., Camacho, JR., Silva, AC. (2011) Regional integration and local change: road paving, community connectivity, and social–ecological resilience in a tri-national frontier, southwestern Amazonia. Springer. DOI 10.1007/s10113-011-0233-x
- Radopoulou, S.C., & Brilakis J. (2016) Improving road asset condition monitoring. *Transportation Research Procedia* 14 (2016) 3004 – 3012. Elsevier.
- Ramzan, S., & Khan, I. M. (2010). Dimension reduction and remedy of multicollinearity using latent variabel regression methods. *World Applied Science Journal*,
- Reggiani, A., Nijkamp, P., Lanzi, D. (2015) "Transport resilience and vulnerability: The role of connectivity". *Transportation Research Part A* 81 (2015) 4–15. Elsevier.
- Rencher, A.R. (2002). *Methods of Multivariate Analysis*, Second Edition. New York: John Wiley and Sons Inc.
- Ribeiro, P. J. G., & Gonçalves, L. A. P. J. (2019). The impact of a ring road in an urban road network . The case study of Guimarães , Portugal. *Wseas Transactions on Environment and Development* DOI: 10.37394/232015.2020.16.2. Diunduh dari <https://www.wseas.org/multimedia/journals/environment/2020/a045115-485.pdf>
- Road Bureau. (n.d.). Roads in Japan. 2015. Retrieved February 6, 2022, from https://www.mlit.go.jp/road/road_e/pdf/ROAD2015web.pdf
- Robi, M., Kusnandar, D. dan Sulistianingsih, E. (2017) Penerapan Structural Equation Modeling (Sem) untuk Analisis Kompetensi Alumni. *Bimaster : Buletin Ilmiah*



- Matematika, Statistika dan Terapannya, Vol 6, No 02 (2017). DOI: <http://dx.doi.org/10.26418/bbimst.v6i02.21621>.
- Rodrigue, J.-P., Comtois, C., & Slack, B. (2016). *The Geography of Transport Systems* (4th ed.). Routledge. <https://doi.org/10.4324/9781315618159>
- Romadhona, P., Gaffarudin, A., Tanza, T., & Wiwaha, A. (2020). The Influence of Jogjakarta Outer Ring Road Development Plan on the National Roads in DIY. *Journal of the Civil Engineering Forum*, 7(1), 13–22. <https://doi.org/10.22146/jcef.57543>
- Sakai, T., Kawamura, K. and Hyodo, T. (2017) ‘Spatial reorganization of urban logistics system and its impacts: Case of Tokyo’, *Journal of Transport Geography*. Elsevier Ltd, 60, pp. 110–118. doi: 10.1016/j.jtrangeo.2017.03.001.
- Salmon, P., Read, G.J.M., Stevens, N., Walker, G.H., Beanland, V., McClure, R., Hughes, B., Johnston, I.R., Stanton, N.A. (2019) Using the abstraction hierarchy to identify how the purpose and structure of road transport systems contributes to road trauma. *Transportation Research Interdisciplinary Perspectives* 3 (2019). <https://doi.org/10.1016/j.trip.2019.100067>.
- Santosa, W. and Joewono, T. (2005) ‘An Evaluation of Road Network Performance in Indonesia’, *Proceeding of the Eastern Asia Society for Transportation Studies*, 5, pp. 2418-2433.
- Sarstedt, Marko & Ringle, Christian & Hair, Joe. (2017). Partial Least Squares Structural Equation Modeling. 10.1007/978-3-319-05542-8_15-1.
- Sawhney, Anil; Riley, Mike and Irizarry, Javier (2020) *Construction 4.0: An Innovation Platform for the Built Environment*. New York: Routledge.
- Setijowarno, Djoko (2019) “Kendaraan dengan Muatan Berlebih, Sumber Masalah di Jalan”. Diunduh dari <https://properti.kompas.com/read/2019/10/29/200000421/kendaraan-dengan-muatan-berlebih-sumber-masalah-di-jalan?page=all> pada tanggal 12 November 2020.
- Sigit, Agus (2021) “Peningkatan Jalan Ruas Prambanan-Piyungan Baru 36 Persen”. Diunduh dari <https://www.krjogja.com/berita-lokal/diy/yogyakarta/peningkatan-jalan-ruas-prambanan-piyungan-baru-36-persen/> pada tanggal 31 Agustus 2021.
- Simamora, M., Trisnoyuwono, D., & Muda, A. H. (2019). Dampak Kerusakan Dini Perkerasan Jalan terhadap Kerugian Aspek Finansial. *Media Komunikasi Teknik Sipil*, 24(2), 184. <https://doi.org/10.14710/mkts.v24i2.16083>.
- Stawiarski, T., Wolkan, J. and El-Sayed, M. (2010) “Mapping of global road systems based on statistical discriminant analysis”, *SAE Technical Papers*, 3(1), pp. 531–540. doi: 10.4271/2010-01-0924.
- Sub Direktorat Data dan Informasi Jalan dan Jembatan, Direktorat Jenderal Bina Marga (2019) “Kemantapan Jalan Provinsi Tahun 2019”. Diunduh dari [https://data.pu.go.id/dataset/kemantapan-jalan-provinsi/resource/fa97df11-77fa-4269-98a1-33008c7a7188#view-graph:graphOptions:hooks:processOffset:bindEvents:graphOptions:hooks:processOffset:bindEvents:view-grid:columnsWidth:column:!Total_Panjang,width:255,column:!Mantap_km,width:232,column:!Mantap_@@,width:286,column:!TMantap_km,width:311,column:%22TMantap_%%22,width:346}}}](https://data.pu.go.id/dataset/kemantapan-jalan-provinsi/resource/fa97df11-77fa-4269-98a1-33008c7a7188#view-graph:graphOptions:hooks:processOffset:bindEvents:graphOptions:hooks:processOffset:bindEvents:view-grid:columnsWidth:column:!Total_Panjang,width:255,column:!Mantap_km,width:232,column:!Mantap_@@,width:286,column:!TMantap_km,width:311,column:%22TMantap_%%22,width:346}}) pada tanggal 31 Agustus 2021.



- Susanti, Rina (2018) Analisis Terhadap Variabel Yang Mempengaruhi Pemberlakuan Standar Mutu Pada Pekerjaan Pemeliharaan Jalan Di Propinsi Banten. *Jurnal Fondasi*, Volume 7 No 1.
- Sutheeraakul, C. and Kronprasert, N. (2019) “Functional and contextual classification concept for road network in Thailand: Preliminary study”, *Proceedings - 2019 1st International Conference on Smart Technology and Urban Development, STUD 2019*. IEEE, pp. 55–60. doi: 10.1109/STUD49732.2019.9018824.
- Sulistiyorini, R., Herianto, D., & Gaol, I. B. L. (2015). Analisis Kinerja Jaringan Jalan di Provinsi Lampung dengan Menggunakan Pemodelan Transportasi. *Rekayasa*, 19(3), 191–204. <http://ft-sipil.unila.ac.id/ejournals/index.php/jrekayasa/issue/view/28>
- Tamin, O.Z. (1997) “Perencanaan dan Pemodelan Transportasi”, Teknik Sipil Institut Teknologi Bandung.
- Taylor,MAP.(2007) Chapter 2 - Transport Network Vulnerability: a Method for Diagnosis of Critical Locations in Transport Infrastructure Systems. DOI: 10.1007/978-3-540-68056-7_2. In book: Critical Infrastructure (pp.9-30).
- Todorova, Marija & Radojka, Donceva & Jasmina, Bunevska. (2009). Role of functional classification of highways in road traffic safety. *Transport Problems : an International Scientific Journal*. 4.
- Tomar, A. S., Singh, M., Sharma, G., Arya, K. V. (2018) ‘Traffic Management using Logistic Regression with Fuzzy Logic’, *Procedia Computer Science*, 132: 2018, 451-480. doi: 10.1016/j.procs.2018.05.159
- Tseng, M. L., Chiu, A. S. F., Tan, R. R., & Siriban-Manalang, A. B. (2013). Sustainable consumption and production for Asia: Sustainability through green design and practice. *Journal of Cleaner Production*, 40, 1–5. <https://doi.org/10.1016/j.jclepro.2012.07.015>
- Tsigdinos, S. & Vlastos, T. (2019) Strategic road network formulation: developing an alternative methodology towards sustainable mobility. 22nd EURO Working Group on Transportation Meeting, EWGT 2019, 18-20 September 2019, Barcelona, Spain. *Transportation Research Procedia* 47 (2020) 505–512. Elsevier.
- Tsigdinos, S., & Vlastos, T. (2020). Exploring ways to determine an alternative strategic road network in a metropolitan city: A multi-criteria analysis approach. *IATSS Research*. <https://doi.org/10.1016/j.iatssr.2020.06.002>
- Tsiotas D., Sdrolias L., Aspridis G. & Papadimopoulos I. (2020) “Geographical and Socioeconomic Determinants in The Topology of Spatial Networks”. *Theoretical and Empirical Researches in Urban Management* , Vol. 15, No. 3 (August 2020), pp. 5-28. Published by: Research Center in Public Administration and Public Services.
- Ujjwal, J., Bandyopadhyaya, V., & Bandyopadhyaya, R. (2021). Identifying key determinants for parking management to reduce road traffic congestion for congested cities -a structural equation modelling approach. *Advances in Transportation Studies*, 54, 143–158. <https://doi.org/10.53136/979125994054410>
- U.S. Department of Transportation, Federal Highway Administration. Highway Functional Classification Guidelines: Concepts, Criteria and Procedures (1989). http://www.co.marquette.mi.us/departments/road_commission/docs/FHWA_Functional_Classification_Guildlines.pdf.
- UU No. 22 tahun 2009 (2009) ‘Undang-undang No 22 tahun 2009’, *Lalu Lintas Dan Angkutan*

- UU No. 26 Tahun 2007 (2007) ‘UU No. 26 Tahun 2007’, *Penyelenggaraan Penataan Ruang*.
- UU No. 38 Tahun 2004 (2004) ‘UU No. 38 tahun 2004 tentang Jalan’, *Peraturan Tentang jalan*, p. 8.
- UU No. 2 Tahun 2022 (2022) ‘UU No. 2 Tahun 2022 tentang Jalan’, *Perubahan Kedua Atas Undang-Undang Nomor 38 Tahun 2004 Tentang Jalan*.
- Vermote, L., Macharis, C., and Putman, K. (2013) ‘A Road Network for Freight Transport in Flanders: Multi-Actor Multi-Criteria Assessment of Alternative Ring Ways’, *Sustainability*, 5, pp. 4222-4246. Doi: 10.3390/su5104222
- Vitkienė, Jūratė & Puodžiukas, Virgaudas & Zilionienė, Daiva. (2017). New Approach to the Lithuanian Road Classification Based on Worldwide Experience. 10.3846/enviro.2017.155.
- Wang, Y., Cao, M., Liu, Y., Ye, R., Gao, X., & Ma, L. (2020). Public transport equity in Shenyang: Using structural equation modelling. *Research in Transportation Business and Management*, September, 100555. <https://doi.org/10.1016/j.rtbm.2020.100555>
- Wei, L., Du, H., Mahesar, Q., Al Ammari, K., Magee, D.R, Clarke, B., Dimitrova, V., Gunn, D., Entwisle, D., Reeves, D., & Cohn, A.G. (2020) A decision support system for urban infrastructure inter-asset management employing domain ontologies and qualitative uncertainty-based reasoning. *Expert Systems With Applications* 158 (2020) 113461. Elsevier.
- Wei, Ran and Liu, Chunhong (2020) Research on carbon emission reduction in road freight transportation sector based on regulation-compliant route optimization model and case study. *Sustainable Computing: Informatics and Systems* 28 (2020) 100408. <https://doi.org/10.1016/j.suscom.2020.100408>
- Weinstein, A. (2000) Customer satisfaction among transit riders. How customer rank the relative importance of various service attributes. *Transportation Research Record: Journal of the Transportation Research Board*, 1735, 123-132.
- Wijanto, S. (2008) *Structural Equation Modeling dengan Lisrel 8.8*. Graha Ilmu, Yogyakarta.
- Ye, P., Wu, B. & Rong, D. (2015) ‘A Quantitative Method of Urban Road Hierarchy’, *ICTE 2015 - Proceedings of the 5th International Conference on Transportation Engineering*, (December), pp. 2708–2716. doi: 10.1061/9780784479384.346.
- Yerra, B. M. and Levinson, D. M. (2005) ‘The emergence of hierarchy in transportation networks’, *Annals of Regional Science*, 39(3), pp. 541–553. doi: 10.1007/s00168-005-0230-4.
- Yusuf, J.E., O’Connell, L & Abutabenjeh, S. (2011) Paying for Locally Owned Roads: A Crisis in Local Government Highway Finance. *Public Works Management & Policy* 16(3) 250–269. DOI: 10.1177/1087724X11402357.
- Zeng, M., Ling, Z., Zhang, B., Huang, X. (2018) Elasticity Analysis of Hierarchical Road Network Performance Based on Modified Logit Models. *KSCE J Civ Eng* 22, 4127–4135 (2018). <https://doi.org.ezproxy.ugm.ac.id/10.1007/s12205-018-0905-x>
- Zhou, Y., Wang, J & Sheu, J.B. (2019) On connectivity of post-earthquake road networks. *Transportation Research Part E* 123 (2019) 1–16. Elsevier.



- Zhu J, Tao S, Ming S, Khan M B (2007). Suitable Road Framework of Chengdu City. International Conference on Transportation Engineering.
- Zou, Q., Cui, P., Li, S. (2018) A new approach to assessing vulnerability of mountain highways subject to debris flows in China. Progress in Physical Geography 2018, Vol. 42(3) 305–329. Sage.