

## DAFTAR PUSTAKA

- Alcántara-Ayala, I. (2021). Integrated Landslide Disaster Risk Management (ILDRiM): The Challenge to Avoid The Construction of New Disaster Risk. *Environmental Hazards*, 20(3), 323–344. <https://doi.org/10.1080/17477891.2020.1810609>
- Angelia, D. (2022). 5 Negara dengan Jumlah Polisi Terbanyak di Dunia, Indonesia Salah Satunya. GoodStats. <https://goodstats.id/article/5-negara-dengan-jumlah-polisi-terbanyak-di-dunia-indonesia-salah-satunya-VYghk>.
- Astuti, S. D. (2016). *Perhitungan Wilayah Pelayanan Ambulans di Wilayah Kota Yogyakarta dan Sekitarnya*. Universitas Gadjah Mada.
- Balasubramani, K., Gomathi, M., & S., P. (2016). GIS-Based Service Area Analysis for Optimal Planning Strategies: A Case Study of Service Stations in Madurai City. *Geographic Analysis*, 5(2), 11–18.
- Ballas, D., Clarke, G., Franklin, R., & Newing, A. (2017). *GIS and the Social Sciences: Theory and Applications*. Taylor & Francis.
- Bartley, K., & Campbell, B. M. S. (1997). Inquisitiones Post Mortem, GIS, and the creation of a land-use map of Medieval England. *Transactions in GIS*, 2(4), 333–346. <https://doi.org/10.1111/j.1467-9671.1997.tb00061.x>
- Burrough, P. A. (1986). *Principles of Geographical Information Systems for Land Resources Assessment*. Oxford University Press. <https://doi.org/10.1080/10106048609354060>.
- Burrough, P. A., & McDonnell, R. A. (1998). Principles of Geographical Information Systems. In *New Zealand Geographer* (First). Oxford University Press Inc. <https://doi.org/10.1111/j.1745-7939.1998.tb02089.x>.
- Campbel, J. E., & Shin, M. E. (2011). *Essentials of Geographic Information Systems*. Saylor Foundation.
- Chang, K.-T. (2019). Introduction to Geographic Information Systems. In *Edis* (Ninth Edit, Issue 4). McGraw-Hill Education. <https://doi.org/10.32473/edis-fr356-2012>
- Curtin, K. M. (2007). Network analysis in geographic information science: Review, assessment, and projections. *Cartography and Geographic Information Science*, 34(2), 103–111. <https://doi.org/10.1559/152304007781002163>.
- Dabhade, A., Kale, K. V., & Gedam, Y. K. (2015). Network Analysis for Finding Shortest Path in Hospital Information System. *International Journal of Advanced Research in Computer Science and Software Engineering*, 5(7), 618–623.
- Elsheikh, R. F. (2022). GIS-based Services Analysis and Multi-Criteria for Optimal Planning of Location of a Police Station. *Gazi University Journal of Science*, 35(4), 1248–1258. <https://doi.org/10.35378/gujs.828663>.
- ESRI. (2010a). *Network elements*. <https://desktop.arcgis.com/en/arcmap/latest/extensions/network-analyst/network-elements.htm>.
- ESRI. (2010b). *Processing classified output*. <https://desktop.arcgis.com/en/arcmap/latest/extensions/spatial-analyst/image-classification/processing-classified-output.htm>.
- ESRI. (2012a). *Topology Rules by Origin Feature Class*. <https://webhelp.esri.com/arcgisdesktop/9.3/index.cfm?TopicName=Topology>

- Rules by Origin Feature Class.
- ESRI. (2012b). *Understanding network attributes*.  
<http://desktop.arcgis.com/en/arcmap/latest/extensions/network-analyst/understanding-network-attributes.htm>.
- ESRI. (2015). *OD Cost Matrix Analysis*.  
<http://resources.arcgis.com/en/help/main/10.2/index.html#//00470000004r000000>.
- ESRI. (2018). *Service Area Analysis / ArcGIS Desktop*.  
<https://desktop.arcgis.com/en/arcmap/latest/extensions/network-analyst/service-area.htm>.
- ESRI. (2021). *Calculate Field Python examples*. <https://pro.arcgis.com/en/pro-app/3.0/tool-reference/data-management/calculate-field-examples.htm>.
- Falih, K. T., Mohammed, A. J., & Hasan, A. S. (2022). A GIS-based Network Analysis for Truck Vehicles in Baghdad's City Road Network. *HORA 2022 - 4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Proceedings*.  
<https://doi.org/10.1109/HORA55278.2022.9800095>.
- Ferrari, E., & Rae, A. (2019). *GIS for Planning and the Built Environment: An Introduction to Spatial Analysis*. Red Globe Press.
- Fotheringham, A. S., & Rogerson, P. A. (2009). *The SAGE Handbook of Spatial Analysis* (First Edit). SAGE Publications Ltd.  
<https://doi.org/10.4135/9780857020130>.
- Gregory, I., & Ell, P. (2007). *Historical GIS: Technologies, Methodologies, and Scholarship*. Cambridge University Press.  
<https://doi.org/10.1017/CBO9780511493645>.
- Grekousis, G. (2020). Spatial Analysis Methods and Practice. In *Spatial Analysis Methods and Practice*. <https://doi.org/10.1017/9781108614528>.
- Harmon, J. E., & Anderson, J. S. (2003). *The Design and Implementation of Geographic Information Systems*. John Wiley & Sons.  
<https://doi.org/10.1126/science.1247727>.
- Hazarika, M., & Yadav, A. . (2021). Road Network Analysis of Major Destinations in Guwahati City Using GIS. *Conference of Transportation Research Group of India*, 193–215. [https://doi.org/10.1007/978-981-19-3505-3\\_14](https://doi.org/10.1007/978-981-19-3505-3_14).
- Huisman, O., & De By, R. A. (2009). *Principles of geographic information systems* (1st ed., Vol. 1). ITC Educational Textbook Series.
- IRC. (2019). *Guidelines for the Alignment Survey and Geometric Design of Hill Roads Indian Roads Congress* (Third Revi). Indian Road Congress.
- Jumadi, Danardono, & Fikriyah, V. N. (2021). *Sistem Informasi Geografis dan Aplikasinya di Bidang Geografi*. Muhammadiyah University Press.
- Keputusan Gubernur Daerah Istimewa Yogyakarta Nomor 117/KEP/2016 tentang Penetapan Fungsi Jalan Kolektor 2 dan Jalan Kolektor 3 dalam Jaringan Jalan Primer, Pub. L. No. 117 (2016).  
<https://jdih.jogjaprov.go.id/upload//storage/app/public/1475483560skgub117-2016.pdf>.
- Kimani, M. (2009). *Security for the highest bidder*. Africa Renewal.  
<https://www.un.org/africarenewal/magazine/october-2009/security-highest-bidder>.

- Kumar, P., & Kumar, D. (2016). Network Analysis using GIS Techniques: A Case of Chandigarh City. *International Journal of Science and Research (IJSR)*, 5(2), 409–411. <https://doi.org/10.21275/v5i2.nov161143>.
- Longley, P. A., Goodchild, M. F., Maguire, D. J., & Rhind, D. W. (2005). *Geographic Information Systems and Science* (2nd Editio). John Wiley & Sons.
- Lwin, K. K., & Murayama, Y. (2012). Progress in Geospatial Analysis. In *Progress in Geospatial Analysis* (Vol. 9784431540). Springer Tokyo. <https://doi.org/10.1007/978-4-431-54000-7>.
- Management Association, I. R. (2012). *Geographic Information Systems: Concepts, Methodologies, Tools, and Applications*. Information Science Reference (IGI Global).
- McEwen, J. T., Connors, E. F., & Cohen, M. I. (1986). Evaluation of the differential police response field test. *US Department of Justice, National Institute Of Justice*, 1(May), 277.
- McHaffie, P., Hwang, S., & Follett, C. (2023). *GIS An Introduction to Mapping Technologies* (Second Edi). CRC Press.
- Mitchell, A. (2020). The ESRI Guide to GIS Analysis Volume 1: Geographic Patterns and Relationships. In *Universitas Nusantara PGRI Kediri* (Vol. 01). Esri Press.
- Pandey, J., & Pathak, D. (2011). *(Geographic Information System)* (Vol. 60, Issue 4). The Energy and Resources Institute Press.
- Pate, T., Ferrara, A., Bowers, R. A., & Lorence, J. (1976). Police Response Time: Its Determinants and Effects. In *Police Foundation*.
- Peraturan Kepala Kepolisian Negara Republik Indonesia (Perkapolri) Nomor 20 Tahun 2014 tentang Layanan Polisi 110, Pub. L. No. 20 (2014). <http://library.stik-ptik.ac.id/file?file=digital/55971-Perkap No.20 Th 2014.pdf>.
- Peraturan Kepolisian Negara Republik Indonesia Nomor 23 Tahun 2010 tentang Susunan Organisasi dan Tata Kerja Pada Tingkat Kepolisian Resor dan Kepolisian Sektor, Pub. L. No. 23 (2010). <https://peraturan.go.id/id/peraturan-polri-no-23-tahun-2010>.
- Peraturan Pemerintah Nomor 23 Tahun 2007 tentang Daerah Hukum Kepolisian Republik Indonesia, Pub. L. No. 23 (2007). <https://bphn.go.id/data/documents/07PP023.pdf>.
- Peraturan Walikota Yogyakarta Nomor 6 Tahun 2013 tentang Petunjuk Pelaksanaan Peraturan Daerah Kota Yogyakarta Nomor 3 Tahun 2012 tentang Retribusi Perizinan Tertentu, Pub. L. No. 6 (2013). <https://danurejankec.jogjakota.go.id/download/hit/126/perwal-nomor-6-tahun-2013-tentang-juklak-perda-nomor-3-tahun-2012-tentang-retribusi-perizinan-tertentu-126.pdf>.
- Piovan, S. E. (2020). The Geohistorical Approach: Method and Applications. In *Springer Geography*.
- Rahardjo, S. (2007). *Membangun Polisi Sipil Perspektif Hukum, Sosial, dan Kemasyarakatan*. Penerbit Buku Kompas.
- Rodrigue, J.-P. (2020). Chapter 8: Urban transportation. In *The Geography of Transport Systems* (Fifth). Routledge. <https://doi.org/10.4324/9780429346323>.
- Rosa, M. P., Martins, C., & Rodrigues, J. (2018). The development of indicators of sustainable mobility associated with an urbanism of proximity. The Case of the City of Faro. *INCREaSE: Proceedings of the 1st International Congress on*

- Engineering and Sustainability in the XXI Century-INCREaSE 201*, 47–66.
- Sabiq, R. M., & Nurwati, N. (2021). Pengaruh Kepadatan Penduduk Terhadap Tindakan Kriminal. *Jurnal Kolaborasi Resolusi Konflik*, 3(2), 161. <https://doi.org/10.24198/jkrk.v3i2.35149>.
- Sadjijono. (2007). *Fungsi Kepolisian dalam Pelaksanaan Good Governance*. LaksBang.
- Shankar, H., & Monika. (2017). Geographic Information System Based Solution for Location Allocation Problem for Finding High Quality Service Locations. *International Journal of Advanced Remote Sensing and GIS*, 6, 2377–2394. <https://doi.org/10.23953/cloud.ijarsg.302>.
- Shekhar, S., & Xiong, H. (2008). *Encyclopedia of GIS* (First). Springer New York, NY. <https://doi.org/10.1007/978-0-387-35973-1>.
- Smith, D. M. J. de, Longley, P., & Goodchild, M. F. (2007). *Geospatial analysis: a comprehensive guide to principles, techniques and software tools*. (Sixth). Troubador publishing ltd.
- Stevens, J. M., Webster, T. C., & Stipak, B. (1980). Response Time: Role in Assessing Police Performance. *Public Productivity Review*, 4(3), 210–230. <https://doi.org/10.2307/3379854>.
- Undang-undang (UU) Republik Indonesia Nomor 2 Tahun 2002 tentang Kepolisian Negara Republik Indonesia, Pub. L. No. 2 (2002). <https://www.humas.polri.go.id/download/undang-undang-republik-indonesia-nomor-2-tahun-2002-tentang-kepolisian-negara-republik-indonesia/>.
- Yanuar, D. R. (2019). *Pembuatan Peta Aksesibilitas Fasilitas Pelayanan Kesehatan di Kabupaten Kulon Progo*. Universitas Gadjah Mada.
- Zhili, G., & Xiaogang, H. (2011). Research on Data Display and Network Analysis Algorithm Based on Embedded GIS. *Applied Informatics and Communication Part IV: International Conference, ICAIC*, 605–612. [https://doi.org/10.1007/978-3-642-23226-8\\_78](https://doi.org/10.1007/978-3-642-23226-8_78).