

DAFTAR PUSTAKA

- Abidin, H. Z., Andreas, H., Gumilar, I., & Wibowo, I. R. R. (2015). On Correlation Between Urban Development, Land Subsidence and Flooding Phenomena in Jakarta. *Proceedings of the International Association of Hydrological Sciences*, 370, 15–20. <https://doi.org/10.5194/piahs-370-15-2015>.
- Andnur, M. O., Widada, S., & Suryo, A. A. D. (2022). Analisis Kenaikan Muka Air Laut dan Penurunan Muka Tanah untuk Perencanaan Tinggi Lantai Bangunan di Pesisir Utara Kota Semarang. *Indonesian Journal of Oceanography*, 4(2), 56–60. <https://doi.org/10.14710/ijoce.v4i2.13525>.
- Andreas, H., Abidin, H. Z., Gumilar, I., Sidiq, T. P., & Yuwono, B. (2017). *Adaptation and Mitigation of Land Subsidence in Semarang*. 060005. <https://doi.org/10.1063/1.4987088>.
- Andreas, H., Abidin, H. Z., Sarsito, D. A., & Pradipta, D. (2018). Insight Analysis On Dyke Protection Against Land Subsidence And The Sea Level Rise Around Northern Coast Of Java (PANTURA) Indonesia. *Geoplanning: Journal of Geomatics and Planning*, 5(1), 101. <https://doi.org/10.14710/geoplanning.5.1.101-114>.
- Azpura, M., & Dos Ramos, K. (2010). *A Comparison Of Spatial Interpolation Methods For Estimation Of Average Electromagnetic Field Magnitude (Vol.14)*.
- BNPB. (2008). *Pedoman Rehabilitasi Dan Rekonstruksi Pasca Bencana*.
- BNPB. (2012). *Peraturan Kepala Badan Nasional Penanggulangan Bencana tentang Panduan Penilaian Kapasitas Daerah dalam Penanggulangan Bencana (Perka BNPB No. 03 Tahun 2012)*.
- BNPB. (2020). *Kajian Risiko Bencana Indonesia*.
- Bott, L.-M., Schöne, T., Illigner, J., Haghshenas Haghighi, M., Gisevius, K., & Braun, B. (2021). Land subsidence in Jakarta and Semarang Bay – The Relationship Between Physical Processes, Risk Perception, and Household Adaptation. *Ocean & Coastal Management*, 211, 105775. <https://doi.org/10.1016/j.ocecoaman.2021.105775>.
- Burrough, P. A., & Mcdonnell, R. A. (1998). *Principles of Geographical Information Systems*.
- Calvin, K., Dasgupta, D., Krinner, G., Mukherji, A., Thorne, P. W., Trisos, C., Romero, J., Aldunce, P., Barrett, K., Blanco, G., Cheung, W. W. L., Connors, S., Denton, F., Diongue-Niang, A., Dodman, D., Garschagen, M., Geden, O., Hayward, B., Jones, C., ... Ha, M. (2023). *IPCC, 2023: Climate Change 2023: Synthesis Report. Contribution of Working Groups I, II and III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, H. Lee and J. Romero (eds.)]. IPCC, Geneva, Switzerland*. <https://doi.org/10.59327/IPCC/AR6-9789291691647>
- Cazenave, A., & Cozannet, G. Le. (2014). Sea Level Rise and Its Coastal Impacts. *Earth's Future*, 2(2), 15–34. <https://doi.org/10.1002/2013EF000188>.
- Chapin, T. S., Deyle, R. E., & Baker, E. J. (2008). A Parcel-Based GIS Method for Evaluating Conformance of Local Land-Use Planning with a State Mandate to Reduce Exposure to Hurricane Flooding. *Environment and Planning B: Planning and Design*, 35(2), 261–279. <https://doi.org/10.1068/b32114>.
- Gardner, A. S., Moholdt, G., Cogley, J. G., Wouters, B., Arendt, A. A., Wahr, J., Berthier, E., Hock, R., Pfeffer, W. T., Kaser, G., Ligtenberg, S. R. M., Bolch, T., Sharp, M. J., Hagen, J. O., van den Broeke, M. R., & Paul, F. (2013). A Reconciled Estimate of Glacier Contributions to Sea Level Rise: 2003 to 2009. *Science*, 340(6134), 852–857. <https://doi.org/10.1126/science.1234532>.

- Gatot IS, Duchesne J, Forest F, Perez P, Cudennec C, Prasetyo T, & Karama S. (2001). Rainfall-Runoff Harvesting for Controlling Erosion and Sustaining Upland Agriculture Development. *Selected papers from the 10th international soil conservation organization meeting held, 24–29 May 1999 at Purdue University and the USDA-ARS National Soil Erosion Research Laboratory*, 434–441.
- Goodchild, M. F. (2006). GIS and disasters: Planning for Catastrophe. *Computers, Environment and Urban Systems*, 30(3), 227–229. <https://doi.org/10.1016/j.compenvurbsys.2005.10.004>
- Haag, S., Tarboton, D., Smith, M., & Shokoufandeh, A. (2020). Fast Summarizing Algorithm for Polygonal Statistics Over A Regular Grid. *Computers and Geosciences*, 142. <https://doi.org/10.1016/j.cageo.2020.104524>.
- Hadipour, V., Vafaie, F., & Deilami, K. (2020). Coastal Flooding Risk Assessment Using A GIS-Based Spatial Multi-Criteria Decision Analysis Approach. *Water (Switzerland)*, 12(9). <https://doi.org/10.3390/W12092379>.
- Hanif, M., Putra, B. G., Hidayat, R. A., Ramadhan, R., Ahyuni, A., Afriyadi, A., Wan Moh Jaafar, W. S., Hermon, D., & Mokhtar, E. S. (2021). Impact of Coastal Flood on Building, Infrastructure, and Community Adaptation in Bukit Bestari Tanjungpinang. *Jurnal Geografi Gea*, 21(2), 102–111. <https://doi.org/10.17509/gea.v21i2.38911>.
- Harvey, F. (2016). *A Primer of GIS: Fundamental Geographic and Cartographic Concepts* (2, Second Edition ed.) Guilford Publications, Inc. <http://www-jstor-org.ezproxy.ugm.ac.id/stable/10.1521/jj.41115913>.
- Ikhshan, N. , M. C. , & R. P. (2017). Analisis Sebaran, Dampak dan Adaptasi Masyarakat terhadap Banjir Rob di Kecamatan Semarang Timur dan Kecamatan Gayamsari Kota Semarang. *Jurnal GeoEco*, 3(2), 145–156.
- IPCC. (2021). *Sixth Assessment Report- Climate Change 2021: The Physical Science Basis*.
- Jevrejeva, S., & Katsman, C. (2013). Detlef Stammer (Germany), Alakkat S. Unnikrishnan (India) (Australia). Dalam *Jan Lenaerts*. Jan H. van Angelen.
- Jumadi, J., Danardono, D., Priyono, K. D., Roziaty, E., Masruroh, H., Rohman, A., Amin, C., Hadibasyir, H. Z., Fikriyah, V. N., Nawaz, M., Sattar, F., & Lotfata, A. (2024). Utilizing Open Access Spatial Data for Flood Risk Mapping: A Case Study in the Upper Solo Watershed. *Geoplanning: Journal of Geomatics and Planning*, 11(2), 189–204. <https://doi.org/10.14710/geoplanning.11.2.189-204>.
- Kemp, A. C., Horton, B. P., Donnelly, J. P., Mann, M. E., Vermeer, M., & Rahmstorf, S. (2011). *Climate Related Sea-Level Variations Over The Past Two Millennia*. <https://doi.org/10.1073/pnas.1015619108/-/DCSupplemental>.
- Kobayashi, H. (2003). Vulnerability Assessment And Adaptation Strategy to Sea-Level Rise in Indonesian Coastal Urban Areas. *Asahi-1, Tsukuba-city, Japan: National Institute for Land and Infrastructure Management, Ministry of Land, Infrastructure and Transport*.
- Kun Cahyono, B., & Sutanta, H. (2009). *Perbandingan Beberapa Metode Interpolasi untuk Pembentukan Digital Terrain Model dari Peta Topografi Skala Besar*.
- Li, C., Sun, N., Lu, Y., Guo, B., Wang, Y., Sun, X., & Yao, Y. (2022). Review on Urban Flood Risk Assessment. *Sustainability*, 15(1), 765. <https://doi.org/10.3390/su15010765>.
- Lumban-Gaol, J., Sumantyo, J. T. S., Tambunan, E., Situmorang, D., Antara, I. M. O. G., Sinurat, M. E., Suhita, N. P. A. R., Osawa, T., & Arhatin, R. E. (2024). Sea Level Rise, Land Subsidence, and Flood Disaster Vulnerability Assessment: A Case Study in Medan City, Indonesia. *Remote Sensing*, 16(5), 865. <https://doi.org/10.3390/rs16050865>.

- Malczewski, J. (2006). GIS-based Multicriteria Decision Analysis: A Survey of The Literature. *International Journal of Geographical Information Science*, 20(7), 703–726. <https://doi.org/10.1080/13658810600661508>.
- Marfai, M. A., & King, L. (2008). Tidal Inundation Mapping Under Enhanced Land Subsidence in Semarang, Central Java Indonesia. *Natural Hazards*, 44(1), 93–109. <https://doi.org/10.1007/s11069-007-9144-z>.
- Masson-Delmotte, V., Zhai, P., Chen, Y., Goldfarb, L., Gomis, M. I., Matthews, J. B. R., Berger, S., Huang, M., Yelekçi, O., Yu, R., Zhou, B., Lonnoy, E., Maycock, T. K., Waterfield, T., Leitzell, K., & Caud, N. (2021). *Working Group I Contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change Edited by.* www.ipcc.ch.
- Nicholls, R. J., & Cazenave, A. (2010). Sea-Level Rise and Its Impact on Coastal Zones. *Science*, 328(5985), 1517–1520. <https://doi.org/10.1126/science.1185782>.
- Nugraha, A. L., Purnama, B. S., & Trias, A. (2012). Pemetaan Risiko Bencana Banjir Rob Kota Semarang. *In The 1st Conference on Geospatial Information Science and Engineering*.
- Ojeda-Zújar, J., Fraile-Jurado, P., & Álvarez-Francoso, J. (2021). Sea Level Rise Inundation Risk Assessment in Residential Cadastral Parcels Along the Mediterranean Andalusian coast. *Cuadernos de Investigación Geográfica*, 47(1), 243–263. <https://doi.org/10.18172/cig.4744>.
- Ouma, Y., & Tateishi, R. (2014). Urban Flood Vulnerability and Risk Mapping Using Integrated Multi-Parametric AHP and GIS: Methodological Overview and Case Study Assessment. *Water*, 6(6), 1515–1545. <https://doi.org/10.3390/w6061515>
- Prahasta, E. (2014). *Sistem Informasi Geografis Konsep-Konsep Dasar (Perspektif Geodesi & Geomatika)* (Revisi, Vol. 7). Informatika.
- Puslitbang SDA. (2020). *Kajian Infrastruktur Pengendali Banjir di Indonesia*.
- Putiarni, S., Mulyani, M., Patria, M. P., Soesilo, T. E. B., & Karsidi, A. (2022). Social Vulnerability of Coastal Fish Farming Community to Tidal (Rob) Flooding: A Case Study from Indramayu, Indonesia. *Journal of Coastal Conservation*, 26(2), 7. <https://doi.org/10.1007/s11852-022-00854-7>
- Putra, D. R. , & M. M. A. (2012). Identifikasi Dampak Banjir Genangan (Rob) Terhadap Lingkungan Permukiman di Kecamatan Pademangan Jakarta Utara. *Jurnal Bumi Indonesia*, 1(1).
- Setiyono, H., Bambang, A. N. B., Helmi, M., & Yusuf, M. (2022). Effect Rainfall Season On Coastal Flood in Semarang City, Central Java, Indonesia. *International journal of health sciences*, 7584–7595. <https://doi.org/10.53730/ijhs.v6nS1.6618>.
- Sholeh, S., Muryani, C., & Suryanto, S. (2023). Flood Hazard Mapping Base On Multi-Criteria Spatial Analysis In The Samin Watershed, Indonesia. *GeoEco*, 10(1), 93–103.
- Simangunsong, T., Subaer, S., & Palloan, P. (2024). Pemetaan Zona Rawan Banjir di Kabupaten Luwu Utara Menggunakan Metode Analytic Hierarchy Process (AHP) yang Terintegrasi dalam Sistem Informasi Geografis (SIG). *Jurnal Fisika Unand*, 13(4), 525–534.
- Singh, R. (2024). The Role of Geographic Information Systems (GIS) in Disaster Management and Planning. *International Journal of Geography, Geology and Environment*, 6(2), 195–205. <https://doi.org/10.22271/27067483.2024.v6.i2c.305>.
- Singla, S., & Eldawy, A. (2020). *Raptor Zonal Statistics: Fully Distributed Zonal Statistics of Big Raster + Vector Data [Pre-Print]*. <http://arxiv.org/abs/2010.06641>
- Smith, L., Liang, Q., James, P., & Lin, W. (2017). Assessing The Utility of Social Media as a Data Source for Flood Risk Management Using a Real-Time Modelling Framework.

- Journal of Flood Risk Management*, 10(3), 370–380.
<https://doi.org/10.1111/jfr3.12154>.
- Sutanta, H. (2012). *Spatial Planning Support System for an Integrated Approach to Disaster Risk Reduction*.
- Sutanta, H., Rachman, A., & Sumaryono, D. (2005). Predicting Land Use Affected by Land Subsidence in Semarang Based on Topographic Map of Scale 1: 5.000 and Leveling Data. *Proceedings of the Map Asia 2005 Conference (in CD Rom)*, Jakarta, 22–25.
- Sutanta, H., Rajabifard, A., & Bishop, I. D. (2010). *Integrating Spatial Planning and Disaster Risk Reduction at the Local Level in the Context of Spatially Enabled Government*. Diambil
<http://services.land.vic.gov.au/landchannel/jsp/map/PlanningMapsIntro.jsp>.
- Sutanta, H., Rajabifard, A., & Bishop, I. D. (2013). Disaster Risk Reduction Using Acceptable Risk Measures For Spatial Planning. *Journal of Environmental Planning and Management*, 56(6), 761–785. <https://doi.org/10.1080/09640568.2012.702314>.
- Tascón-González, L., Ferrer-Julà, M., Ruiz, M., & García-Meléndez, E. (2020). Social Vulnerability Assessment for Flood Risk Analysis. *Water*, 12(2), 558. <https://doi.org/10.3390/w12020558>
- Tuladhar, A. M. (2004). *Parcel-based Geo-Information System: Concepts and Guidelines*.
- Ujung, A. T. , Nugraha, A. L., & Firdaus, H. S. (2019). Kajian Pemetaan Risiko Bencana Banjir Kota Semarang dengan Menggunakan Sistem Informasi Geografis. *Jurnal Geodesi Undip*, 8(4), 154–164.
- UNDRR. (2015). *Sendai Framework for Disaster Risk Reduction 2015–2030*.
- Waston, D. F. ., & Philip, G. M. (1985). A Refinement of Inverse Distance Weighted Interpolation. *Geoprocessing*, 2, 315–327.
- Widada, S., Zainuri, M., Yulianto, G., Satriadi, A., & Wijaya, Y. (2020). Estimation of Land Subsidence Using Sentinel Image Analysis and Its Relation to Subsurface Lithology Based on Resistivity Data in the Coastal Area of Semarang City, Indonesia. *Journal of Ecological Engineering*, 21(8), 47–56. <https://doi.org/10.12911/22998993/127394>
- Wisner, B., Blaikie, P., Cannon, T., & Davis, I. (2004). *At Risk: Natural Hazards, People's Vulnerability and Disasters*. Routledge.
- Yasuhara, K., Murakami, S., & Mimura, N. (2015). Inundation Caused by Sea-Level Rise Combined with Land Subsidence. *Geotechnical Engineering Journal of the SEAGS & AGSSEA*, 46(4).
- Yudanegara, R. A., Astutik, D., Hernandi, A., Soedarmodjo, T. P., & Alexander, E. (2021). *Penggunaan Metode Inverse Distance Weighted (IDW) Untuk Pemetaan Zona Nilai Tanah (Studi Kasus: Kelurahan Gedong Meneng, Bandar Lampung)*.
- Zimmermann, I., Fleige, H., & Horn, R. (2017). Longtime Effects of Deep Groundwater Extraction Management on Water Table Levels in Surface Aquifers. *Journal of Soils and Sediments*, 17(1), 133–143. <https://doi.org/10.1007/s11368-016-1489-z>.