

## DAFTAR PUSTAKA

- Abidin, H. Z. (2007). Penentuan posisi dengan GPS dan aplikasinya. *Jakarta: PT Pradnya Paramita*.
- Abidin, H. Z., Andreas, H., Maulana, D., Hendrasto, M., Gamal, M., & Suganda, O. K. (2004). Penentuan Tinggi Orthometrik Gunung Semeru berdasarkan Data Survei GPS dan Model Geoid EGM 1996. *PROC. ITB Sains & Tek*, 36, 145–157.
- Afani, I. Y. N., Yuwono, B. D., & Bashit, N. (2019). Optimalisasi pembuatan peta kontur skala besar menggunakan kombinasi data pengukuran terestris dan foto udara format kecil. *Jurnal Geodesi Undip*, 8(1), 180–189.
- Afifi, A. Y., & Fausan, A. (2022). Perbandingan Elevasi Lahan di Agrohills Berdasarkan GPS RTK dengan Data DEMNAS dan DEM ASTER. *Jurnal Teknik Sipil Dan Lingkungan*, 7(3), 201–210.
- Alkadrie, S. A. L. (2022). Identifikasi Status Hak Tanah pada Daerah Rawan Longsor di Kabupaten Sumedang (Studi Kasus: Kecamatan Sumedang Utara dan Kecamatan Sumedang Selatan). *FTSP*, 220–225.
- Anggoro, A., Siregar, V. P., & Agus, S. B. (2018). Klasifikasi Multiskala Untuk Pemetaan Zona Geomorfologi Dan Habitat Bentik Menggunakan Metode Obia Di Pulau Pari (Multiscale Classification for Geomorphic Zone and Benthic Habitats Mapping Using Obia Method in Pari Island). *Jurnal Penginderaan Jauh Dan Pengolahan Data Citra Digital*, 14(2).
- Astorga-Moar, A., & Baldock, T. E. (2022). Assessment and Optimisation of Runup Formulae for Beaches Fringed by Fringing Reefs Based on Physical Experiments. *Coastal Engineering*, 104163. <https://doi.org/https://doi.org/10.1016/j.coastaleng.2022.104163>
- Atiz, O. F., Alcay, S., Ogutcu, S., & Kalayci, I. (2020). Necmettin Erbakan University Continuously Operating Reference Station. *Intercontinental Geoinformation Days*, 1, 44–47.
- Atmanto, W. D., Winarni, W. W., Primardiyatni, B., & Danarto, S. (2019). Pertumbuhan Cabang Kayu Cemara pada Jarak Tanam yang Berbeda. *Life Science*, 8(2).
- Augulis, R. P. (1970). *Tsunami: Vol. PB 190157*. Weather Bureau, Western Region.
- Badan Informasi Geospasial. 2018. Peraturan Badan Informasi Geospasial Nomor 6 Tahun 2018 Tentang Perubahan atas Peraturan Kepala Bidang Informasi

Geospasial Nomor 15 Tahun 2014 Tentang Pedoman Teknis Ketelitian Peta Dasar, Pub. L. No. 6 (2018).

Badan Nasional Penanggulangan Bencana. 2012. Peraturan Kepala Badan Nasional Penanggulangan Bencana Nomor 02 Tahun 2012 Tentang Pedoman Umum Pengkajian Risiko Bencana, (2012).

Berber, M., Ustun, A., & Yetkin, M. (2014). Rapid static GNSS data processing using online services. *Journal of Geodetic Science*, 4(1), 123–129.

Berryman, K. (2005). *Review of Tsunami Hazard and Risk in New Zealand*.

Blaschke, T. (2010). Object based image analysis for remote sensing. *ISPRS Journal of Photogrammetry and Remote Sensing*, 65(1), 2–16. <https://doi.org/https://doi.org/10.1016/j.isprsjprs.2009.06.004>

Blaschke, T., & Hay, G. J. (2001). Object-oriented image analysis and scale-space: theory and methods for modeling and evaluating multiscale landscape structure. *International Archives of Photogrammetry and Remote Sensing*, 34(4), 22–29.

Badan Nasional Penanggulangan Bencana. 2012. *Masterplan Pengurangan Risiko Bencana Tsunami*. Badan Nasional Penanggulangan Bencana.

BNPB. (2016). *RBI Risiko Bencana Indonesia*.

BPS Kabupaten Bantul. (2022). *Kecamatan Srandakan dalam Angka 2022*. BPS Kabupaten Bantul.

Bricker, J. D., Gibson, S., Takagi, H., & Imamura, F. (2015). On the Need for Larger Manning's Roughness Coefficients in Depth-Integrated Tsunami Inundation Models. *Coastal Engineering Journal*, 57(2), 1550005-1-1550005–1550013. <https://doi.org/10.1142/S0578563415500059>

Chakraborty, S., Sahoo, S., Majumdar, D., Saha, S., & Roy, S. (2019). Future Mangrove Suitability Assessment of Andaman to Strengthen Sustainable Development. *Journal of Cleaner Production*, 234, 547–614. <https://doi.org/https://doi.org/10.1016/j.jclepro.2019.06.257>

Chan Sun, M., Beeharay Panray, U. D., Cheeneebash, J., & Gunesh, R. (2022). Need for sensitization on serious threats of second-hand smoke: Findings from a national study in Mauritius, a small island developing state in the Indian Ocean. *Preventive Medicine Reports*, 25, 101667. <https://doi.org/https://doi.org/10.1016/j.pmedr.2021.101667>

Chow, V. Te. (1988). *Open-Channel Hydraulics*.

Cochard, R., Ranamukhaarachchi, S. L., Shivakoti, G. P., Shipin, O. V, Edwards, P. J., & Seeland, K. T. (2008). The 2004 tsunami in Aceh and Southern

- Thailand: a review on coastal ecosystems, wave hazards and vulnerability. *Perspectives in Plant Ecology, Evolution and Systematics*, 10(1), 3–40.
- Congalton, R. G. (1991). A review of assessing the accuracy of classifications of remotely sensed data. *Remote Sensing of Environment*, 37(1), 35–46.
- Dall’Osso, F., Dominey-Howes, D., Tarbotton, C., Summerhayes, S., & Withycombe, G. (2016). Revision and improvement of the PTV-3 model for assessing tsunami building vulnerability using “international expert judgment”: introducing the PTV-4 model. In *Natural Hazards* (Vol. 83, Issue 2, pp. 1229–1256). Springer Netherlands. <https://doi.org/10.1007/s11069-016-2387-9>
- Dias, W. P. S., & Edirisooriya, U. (2019). Derivation of tsunami damage curves from fragility functions. *Natural Hazards*, 96(3), 1153–1166.
- Di Bacco, M., Rotello, P., Suppasri, A., & Scorzini, A. R. (2023). Leveraging data driven approaches for enhanced tsunami damage modelling: Insights from the 2011 Great East Japan event. *Environmental Modelling and Software*, 160. <https://doi.org/10.1016/j.envsoft.2022.105604>
- Divithura, H. (2008). Identifying Strategies for Geo-Information Utilization-A Case Study of Ratnapura Municipality of Sri Lanka. *Sabaramuwa University Journal*, 8(1), 49–60.
- Diyanah, I., & Bioresita, F. (2023). Analisa Kawasan Permukiman Kumuh di Kecamatan Kenjeran Surabaya Menggunakan Metode NDBI dan OBIA serta Data Citra Sentinel-2 Tahun 2022. *Geoid*, 19(1), 180–191.
- Edmund Junior, T., Arko-Adjei, A., Akrofi, E. O., & Aseidu, S. B. (2023). Spatial Analysis of Land Disputes in The Ashanti Region. *African Journal of Land Policy and Geospatial Sciences*, 6(2), 248–261.
- Fakhrudin, B., Kintada, K., & Tilley, L. (2021). Probabilistic tsunami hazard and exposure assessment for the pacific islands- Fiji. *International Journal of Disaster Risk Reduction*, 64. <https://doi.org/10.1016/j.ijdrr.2021.102458>
- Fatimah, S., Kadir, A., Melania, F. J., & Jaya, H. (2024). The Influence of Coordination and Leadership Quality on Work Discipline of Employees in the Department of Food Security, Agriculture, and Fisheries in South Barito Regency. *International Journal of Current Science Research and Review*. <https://doi.org/DOI: 10.47191/ijcsrr/V7-i1-04>
- Fiorillo, F., Perfetti, L., & Cardani, G. (2023). Automated Mapping of the roof damage in historic buildings in seismic areas with UAV photogrammetry. *Procedia Structural Integrity*, 44, 1672–1679. <https://doi.org/10.1016/j.prostr.2023.01.214>

- Firdaus, K., Matin, A. M. A., Nurisman, N., & Magdalena, I. (2022). Numerical Study for Sunda Strait Tsunami Wave Propagation and Its Mitigation by Mangroves in Lampung, Indonesia. *Results in Engineering*, 100605. <https://doi.org/https://doi.org/10.1016/j.rineng.2022.100605>
- Frananda, H., Yulianda, F., Boer, M., & Nurjaya, I. W. (2023). Coastal ecology-based management for tsunami mitigation in Padang city, West Sumatera, Indonesia. *Aquaculture, Aquarium, Conservation & Legislation*, 16(4), 2072–2080.
- Fuchs, S., Keiler, M., Ortlepp, R., Schinke, R., & Papathoma-Köhle, M. (2019). Recent advances in vulnerability assessment for the built environment exposed to torrential hazards: Challenges and the way forward. In *Journal of Hydrology* (Vol. 575, pp. 587–595). Elsevier B.V. <https://doi.org/10.1016/j.jhydrol.2019.05.067>
- Furusato, E., & Tanaka, N. (2014). Maximum Sand Sedimentation Distance After Backwash Current of Tsunami-Simple Inverse Model and Laboratory Experiments. *Marine Geology*, 128–139. <https://doi.org/https://dx.doi.org/10.1016/j.margeo.2014.04.006>
- Gayer, G., Leschka, S., Nöhren, I., Larsen, O., & Günther, H. (2010). Tsunami inundation modelling based on detailed roughness maps of densely populated areas. *Natural Hazards and Earth System Sciences*, 10(8), 1679–1687. <https://doi.org/10.5194/nhess-10-1679-2010>
- Glen, S. (2012). *Slovin's Formula: What is it and When do I use it? : :* <https://www.statisticshowto.com/how-to-use-slovins-formula/>
- Peraturan Daerah Istimewa Yogyakarta Nomor 1 Tahun 2007 Tentang Pengelolaan dan Pemanfaatan Tanah Kasultanan dan Tanah Kadipaten, Pub. L. No. 1 (2017).
- Gularso, H., Rianasari, H., & Silalahi, F. E. S. (2015). Penggunaan foto udara format kecil menggunakan wahana udara nir-awak dalam pemetaan skala besar. *GEOMATIKA*, 21(1), 37–44.
- Gultom, A. D., & Yuniarti, D. (2016). Kajian teknologi high altitude platform (HAP)[Study of high altitude platform (HAP) technology]. *Buletin Pos Dan Telekomunikasi*, 14(1), 11–22.
- Hartono, & Purwanto, T. H. (2017). Peran Teknologi Informasi Geografi untuk Penguatan Ilmu Geografi di Abad 21. *Prosiding Seminar Nasional Pendidikan Geografi FKIP UMP 2017*.
- Heinrich, P., Jamelot, A., Cauquis, A., & Gailler, A. (2021). Taitoko, an Advanced Code for Tsunami Propagation, Developed at the French Tsunami Warning

- Centers. *European Journal of Mechanics/ B Fluids*, 78–88.  
<https://doi.org/https://doi.org/10.1016/j.euromechflu.2021.03.001>
- Hengl, T. (2006). Finding the right pixel size. *Computers & Geosciences*, 32(9), 1283–1298.
- Herliani, & Theodora, E. (2020). *Plant Morphology*. Mulawarman University.
- Hidayat, M. (2017). Analisis Vegetasi dan Keanekaragaman Tumbuhan di Kawasan Manifestasi Geotermal Ie Suum Kecamatan Mesjid Raya Kabupaten Aceh Besar. *Jurnal Biotik*, 5(2), 114–124.
- Hisan, N. K., Prakoso, S. S., Chania, D. F. A., & Arhananta. (2020). Kontrol Geomorfologi dan Karakteristik Pantai Terhadap Kerentanan Tsunami di Yogyakarta International Airport, Kabupaten Kulon Progo. *Prosiding, Seminar Teknologi Kabumian Dan Kelautan*, 2.
- Hofmann-Wellenhof, B., & Moritz, H. (2006). *Physical geodesy*. Springer Science & Business Media.
- Horspool, N., Pranantyo, I., Griffin, J., Latief, H., Natawidjaja, D. H., Kongko, W., Cipta, A., Bustaman, B., Anugrah, S. D., & Thio, H. K. (2014). A probabilistic tsunami hazard assessment for Indonesia. *Natural Hazards and Earth System Sciences*, 14(11), 3105–3122. <https://doi.org/10.5194/nhess-14-3105-2014>
- Houston, J. R., Carver, R. D., & Markle, D. G. (1977). *Tsunami-Wave Elevation Frequency of Occurrence for The Hawaiian Islands*. Hydraulics Laboratory U.S. Army Engineer Waterways Experiment Station P.O. Box 631, Vicksburg, Miss, 39180.
- Jiménez-Jiménez, S. I., Ojeda-Bustamante, W., Marcial-Pablo, M. D. J., & Enciso, J. (2021). Digital terrain models generated with low-cost UAV photogrammetry: Methodology and accuracy. *ISPRS International Journal of Geo-Information*, 10(5). <https://doi.org/10.3390/ijgi10050285>
- Kamal, M., Phinn, S., & Johansen, K. (2015). Object-based approach for multi-scale mangrove composition mapping using multi-resolution image datasets. *Remote Sensing*, 7(4), 4753–4783.
- Kavzoglu, T., & Yildiz, M. (2014). Parameter-Based Performance Analysis of Object-Based Image Analysis Using Aerial and Quickbird-2 Images. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume II-7, 2014 ISPRS Technical Commission VII Symposium, 29 September – 2 October 2014, Istanbul, Turkey*.  
<https://doi.org/doi:10.5194/isprsannals-II-7-31-2014>

- Khomarudin, M. R. (2010). *Tsunami Risk and Vulnerability: Remote Sensing and GIS Approaches For Surface Roughness Determination, Settlement Mapping and Population Distribution Modelling*. University Munchen.
- Kurniawan, R., Saputra, A. M. W., Wijayanto, A. W., & Caesarendra, W. (2022). Eco-environment vulnerability assessment using remote sensing approach in East Kalimantan, Indonesia. *Remote Sensing Applications: Society and Environment*, 27. <https://doi.org/10.1016/j.rsase.2022.100791>
- Lee, J. H., & Sull, S. (2019). Regression tree CNN for estimation of ground sampling distance based on floating-point representation. *Remote Sensing*, 11(19). <https://doi.org/10.3390/rs11192276>
- Leteinturier, B., Herman, J. L., Longueville, F. De, Quintin, L., & Oger, R. (2006). Adaptation of a crop sequence indicator based on a land parcel management system. *Agriculture, Ecosystems and Environment*, 112(4), 324–334. <https://doi.org/10.1016/j.agee.2005.07.011>
- Lin, L., & Zhang, C. (2021). Land Parcel Identification. *Agro-Geoinformatics*, 163–174.
- Madani, S., Khaleghi, S., & Jannat, M. R. A. (2017). Assessing building vulnerability to tsunami using the PTVA-3 model: A case study of Chabahr Bay, Iran. *Natural Hazards*, 85(1), 349–359. <https://doi.org/10.1007/s11069-016-2567-7>
- Manan, A., Sanjaya, H., & As-syakur, A. R. (2023). Landscape Planning for Tsunami Disasters Mitigation on Denpasar Coastal Zone. *IOP Conference Series: Earth and Environmental Science*, 1127(1), 012022.
- Manyoky, M., Theiler, P., Steudler, D., & Eisenbeiss, H. (2011). Unmanned Aerial Vehicle in Cadastral Applications. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XXXVIII-1/C22, 2011 ISPRS Zurich 2011 Workshop, 14-16 September 2011, Zurich, Switzerland*.
- Mardiatno, D. (2013). A proposal for tsunami mitigation by using coastal vegetations. *Journal of Natural Resources and Development*, 3, 85–95. <https://doi.org/10.5027/jnrd.v3i0.07>
- Mardiatno, D., Malawani, M. N., & Nisaa', R. M. rifatun. (2020). The future tsunami risk potential as a consequence of building development in Pangandaran Region, West Java, Indonesia. *International Journal of Disaster Risk Reduction*, 46. <https://doi.org/10.1016/j.ijdr.2020.101523>
- Marfai, M. A., Sunarto, S., Khakim, N., Fatchurohman, H., Cahyadi, A., & Wibowo, Y. A. (2019). Tsunami hazard mapping and loss estimation using



geographic information system in Drini Beach. *Gunungkidul Coastal Area, Yogyakarta, Indonesia E3S Web Conf*, 76.

- Martiningsih, N. Gst. Ag. E., Suryana, I. M., & Sutiadipraja, N. (2015). Analisa Vegetasi Hutan Mangrove di Taman Hutan Raya (TAHURA) Bali. *Jurnal Pertanian Berbasis Keseimbangan Ekosistem*, 5, 26–36.
- McInnes, K. L., Macadam, I., Hubbert, G., & O’Grady, J. (2013). An assessment of current and future vulnerability to coastal inundation due to sea-level extremes in Victoria, southeast Australia. *International Journal of Climatology*, 33(1), 33–47.
- Meilianda, E., Pradhan, B., Syamsidik, Comfort, L. K., Alfian, D., Juanda, R., Syahreza, S., & Munadi, K. (2019). Assessment of post-tsunami disaster land use/land cover change and potential impact of future sea-level rise to low-lying coastal areas: A case study of Banda Aceh coast of Indonesia. *International Journal of Disaster Risk Reduction*, 41, 101292. <https://doi.org/https://doi.org/10.1016/j.ijdr.2019.101292>
- Messenger, M. L., Ettinger, A. K., Murphy-Williams, M., & Levin, P. S. (2021). Fine-scale assessment of inequities in inland flood vulnerability. *Applied Geography*, 133, 102492. <https://doi.org/https://doi.org/10.1016/j.apgeog.2021.102492>
- Mitchell, D., Enemark, S., & van der Molen, P. (2015). Climate resilient urban development: Why responsible land governance is important. *Land Use Policy*, 48, 190–198. <https://doi.org/https://doi.org/10.1016/j.landusepol.2015.05.026>
- Mollick, T., Azam, G. M., & Karim, S. (2022). Geospatial-based machine learning techniques for land use and land cover mapping using a high resolution unmanned aerial vehicle image. *Remote Sensing Applications: Society and Environment*, 100859. <https://doi.org/https://doi.org/10.1016/j.rsase.2022.100859>
- Mulyati, S., Yanuarsyah, I., & Hudjimartsu, S. (2019). Kombinasi Object Based Image Analysis (OBIA) Untuk Deteksi Perkebunan. *Seminar Nasional Teknologi Informasi*, 2, 349–353.
- Natar, C., Sabri, L. M., & Awaluddin, M. (2020). Analisis Akurasi Model 3 Dimensi Bangunan dari Foto secara Tegak dan Miring (Studi Kasus : Gedung Fakultas Kedokteran Universitas Diponegoro). In *Jurnal Geodesi Undip Januari* (Vol. 9, Issue 1).
- Nguyen, A. K., Liou, Y. A., Li, M. H., & Tran, T. A. (2016). Zoning eco-environmental vulnerability for environmental management and protection.

*Ecological Indicators*, 69, 100–117.  
<https://doi.org/10.1016/j.ecolind.2016.03.026>

- Nisaa, R. M., Sartohadi, J., & Mardiatno, D. (2019). Penilaian Kerentanan Bangunan terhadap Tsunami Menggunakan Model PTVA-4 di Wilayah Kepesisiran Batuhieu, Kabupaten Pangandaran. *Majalah Ilmiah Globe*, 21, 79–86.
- Noor, N. M., Abdullah, A., & Hashim, M. (2018). Remote Sensing UAV/Drones and Its Applications for Urban Areas: a Review. *IOP Conf. Series: Earth and Environmental Science* 169, 012003. <https://doi.org/10.1088/1755-1315/169/1/012003>
- Nugroho, U. C., Kushardono, D., & Dewi, E. K. (2019). Identifikasi kawasan pertambangan timah menggunakan data satelit sentinel–1 dengan metode object based image analysis (OBIA). *Jurnal Ilmu Lingkungan*, 17(1), 140–148.
- Nurrahman, Y. A., Djunaedi, O. S., & Rostika, R. (2012). Struktur dan Komposisi Vegetasi Mangrove di Pesisir Kecamatan Sungai Raya Kepulauan Kabupaten Bengkayang Kalimantan Barat. *Jurnal Perikanan Dan Kelautan*, 3(1), 99–107.
- Papathoma-Köhle, M., Schlögl, M., & Fuchs, S. (2019). Vulnerability indicators for natural hazards: an innovative selection and weighting approach. *Scientific Reports*, 9(1). <https://doi.org/10.1038/s41598-019-50257-2>
- Papathoma-Köhle, M., Thaler, T., & Fuchs, S. (2021). An institutional approach to vulnerability: Evidence from natural hazard management in Europe. *Environmental Research Letters*, 16(4). <https://doi.org/10.1088/1748-9326/abe88c>
- Papathoma, M., & Dominey-Howes, D. (2003). Natural Hazards and Earth System Sciences Tsunami vulnerability assessment and its implications for coastal hazard analysis and disaster management planning, Gulf of Corinth, Greece. In *Natural Hazards and Earth System Sciences* (Vol. 3).
- Peraturan Daerah Kota Yogyakarta Nomor 2 Tahun 2012 Tentang Bangunan Gedung, Pub. L. No. 2 (2012).
- Peraturan Menteri Agraria dan Tata Ruang/ Kepala Badan Pertanahan Nasional Republik Indonesia Nomor 16 Tahun 2018 tentang Pedoman Penyusunan Rencana Detail Tata Ruang dan Peraturan Zonasi Kabupaten/Kota, Pub. L. No. 16 (2018).
- Peraturan Menteri Perhubungan Republik Indonesia Nomor PM 90 Tahun 2015 Tentang Pengendalian Pengoperasian Pesawat Udara Tanpa Awak di Ruang Udara yang dilayani Indonesia, (2015).



- Petunjuk Teknis Nomor 1/Juknis-100.HK.02.01/I/2022 Tahun 2022 Tentang Petunjuk Teknis Pendaftaran Tanah Sistematis Lengkap Tahun 2022, Pub. L. No. 1/Juknis-100.HK.02.01/I/2022 (2022).
- Petunjuk Teknis Pendaftaran Tanah Sistematis Lengkap, Pub. L. No. Nomor 3/Juknis-HK.02/III/2023 (2023).
- Pinto, Z. (2016). Kajian Perilaku Masyarakat Pesisir yang Mengakibatkan Kerusakan Lingkungan (Studi Kasus di Pantai Kuwaru, Desa Poncosari, Kecamatan Srandakan, Kabupaten Bantul, Provinsi DIY). *Jurnal Wilayah Dan Lingkungan*, 3(3), 163. <https://doi.org/10.14710/jwl.3.3.163-174>
- Pradjoko, E., Karisma, A. M., Pracoyo, A., Harianto, B., Suroso, A., & Saadi, Y. (2022). The Application of Two Tsunami Inundation Model in the Kuta Mandalika Coast. *The First Mandalika International Multi-Conference on Science and Engineering 2022, MIMSE 2022 (Civil and Architecture)*, 95–102.
- Pratomo, R. A., & Rudiarto, I. (2013). Permodelan tsunami dan implikasinya terhadap mitigasi bencana di Kota Palu. *Jurnal Pembangunan Wilayah Dan Kota*, 9(2), 174–182.
- Purwanto, T. H. (2011). Pemanfaatan Foto Udara Format Kecil untuk Ekstraksi Digital Elevation Model dengan Metode Stereoplotting. *Majalah Geografi Indonesia*, 31, 73–89.
- Rahmawati, W., Nurmaya, E., Sutanto, A., & Hidayat, A. C. (2024). Predicting Innovative Work Behavior Through the Perspective of Knowledge Sharing, Perceived Organizational Support, and Psychological Empowerment (Study at The National Narcotics Agency for The Special Region of Yogyakarta). *Indonesian Interdisciplinary Journal of Sharia Economics (IIJSE)*, 7(1), 501–545.
- Ramdhini, R. N., Manalu, A. I., Ruwaida, I. P., Isrianto, P. L., Panggabean, N. H., Wilujeng, S., Erdiandini, I., Purba, S. R. F., Sutrisno, E., Hulu, I. L., Purwanti, S., Utomo, B., & Surjaningsih, D. R. (2021). *Anatomi Tumbuhan* (A. Karim, Ed.; 1st ed.). Yayasan Kita Menulis.
- Rashedunnabi, A. H. M., & Tanaka, N. (2020). Effectiveness of double-layer rigid vegetation in reducing the velocity and fluid force of a tsunami inundation behind the vegetation. *Ocean Engineering*, 201. <https://doi.org/10.1016/j.oceaneng.2020.107142>
- Rashidi, A., Dutykh, D., Keshavarz, N., & Audin, L. (2022). Regional tsunami hazard from splay faults in the Gulf of Oman. *Ocean Engineering*, 243. <https://doi.org/10.1016/j.oceaneng.2021.110169>

- Rizky, R. A. M., Yuwono, B. D., & Awaluddin, M. (2015). Pemodelan Geoid Lokal Kota Semarang Berdasarkan Model Geopotensial Globalgrace. *Jurnal Geodesi Undip*, 4(2).
- Römer, H., Willroth, P., Kaiser, G., Vafeidis, A. T., Ludwig, R., Sterr, H., & Revilla Diez, J. (2012). Potential of remote sensing techniques for tsunami hazard and vulnerability analysis – a case study from Phang-Nga province, Thailand. *Natural Hazards and Earth System Sciences*, 12(6), 2103–2126. <https://doi.org/10.5194/nhess-12-2103-2012>
- Rossiter, D. G. (2000). Methodology for soil resource inventories, 2nd Revised version. *Soil Science Division, International Institute for Aerospace Survey & Earth Science (ITC)*.
- Saaty, R. W. (1987). *The Analytic Hierarchy Process-What It Is And How It Is Used* (Vol. 9, Issue 5).
- Sadashiva, V. K., Wang, X., Lin, S. L., Lukovic, B., Heron, D. W., & Suppasri, A. (2022). Quantifying effects of explicit representation of buildings in tsunami inundation simulations. *International Journal of Disaster Risk Reduction*, 81. <https://doi.org/10.1016/j.ijdr.2022.103277>
- Sakya, A. E., Frederik, M. C. G., Anantasari, E., Gunawan, E., Anugrah, S. D., Rahatiningtyas, N. S., Hanifa, N. R., & Jumantini, N. N. E. (2023). Sow the seeds of tsunami ready community in Indonesia: Lesson learned from Tanjung Benoa, bali. *International Journal of Disaster Risk Reduction*, 87. <https://doi.org/10.1016/j.ijdr.2023.103567>
- Sathiparan, N. (2020). An assessment of building vulnerability to a tsunami in the Galle coastal area, Sri Lanka. *Journal of Building Engineering*, 27. <https://doi.org/10.1016/j.job.2019.100952>
- Snelder, T., Lilburne, L., Booker, D., Whitehead, A., Harris, S., Larned, S., Semadeni-Davies, A., Plew, D., & McDowell, R. (2022). Land-use Suitability is Not an Intrinsic Property of a Land Parcel. *Environmental Management*. <https://doi.org/10.1007/s00267-022-01764-y>
- Strunz, G., Post, J., Zosseder, K., Wegscheider, S., Mück, M., Riedlinger, T., Mehl, H., Dech, S., Birkmann, J., Gebert, N., Harjono, H., Anwar, H. Z., Sumaryono, Khomarudin, R. M., & Muhari, A. (2011). Tsunami risk assessment in Indonesia. *Natural Hazards and Earth System Science*, 11(1), 67–82. <https://doi.org/10.5194/nhess-11-67-2011>
- Suppasri, A., Maly, E., Kitamura, M., Syamsidik, Pescaroli, G., Alexander, D., & Imamura, F. (2021). Cascading disasters triggered by tsunami hazards: A perspective for critical infrastructure resilience and disaster risk reduction.

*International Journal of Disaster Risk Reduction*, 66.  
<https://doi.org/10.1016/j.ijdr.2021.102597>

Susanti, R. (2005). Sampling Dalam Penelitian Pendidikan. *Jurnal Teknodik*, 187–208.

Susanto, H., & Hidayat, S. (2016). Ekstraksi Informasi Penutup Lahan Area Luas Dengan Metode Expert Knowledge Object-Based Image Analysis (OBIA) Pada Citra Landsat 8 Oli Pulau Kalimantan. *Majalah Ilmiah Globe*, 18(1), 9–20.

Sutanto, S. J., & Ridwan, B. W. (2016). Drone technology for contour mapping: case study at P3son hambalang. *Jurnal Teknik Hidraulik*, 7(2), 179–194.

Sutaryo, D. (2009). *Penghitungan Biomassa: Sebuah pengantar untuk studi karbon dan perdagangan karbon*. Wetlands International Indonesia Programme.

Tampubolon, W., & Hendrayana, E. (2012). Orthorectification of Very High Resolution Satellite Imagery in the Context of Detail Spatial Planning Purposes. In F.-J. Behr (Ed.), *Geoinformation-Catalyst for planning, development and good governance Applied Geoinformatics for Society and Environment FOSS4G Southeast Asia AGSE 2012-FOSS4G-SEA*.

Tanaka, N., Nandasena, N. A. K., Jinadasa, K. B. S. N., Sasaki, Y., Tanimoto, K., & Mowjood, M. I. M. (2009). Developing effective vegetation bioshield for tsunami protection. *Civil Engineering and Environmental Systems*, 26(2), 163–180. <https://doi.org/10.1080/10286600802435850>

Tanaka, N., & Thuy, N. B. (2010). Tsunami Force Mitigation by Tropical Coastal Trees Pandanus Odoratissimus and Casuarina Equisetifolia, Considering The Effect of Tree Breaking. *International Conference on Sustainable Built Environment (ICSBE-2010\_*.

Tejada, J. J., Raymond, J., & Punzalan, B. (2012). On the Misuse of Slovin's Formula. *The Phillippine Statistician*, 61(1), 129–136.

Teresa, A. R. E., Vasanth, G. D. D. J., & Vidya, C. (2020). A review on the potential effects of tsunami on built environment. *Materials Today: Proceedings*, 33, 711–715. <https://doi.org/10.1016/j.matpr.2020.06.019>

Thiri, M. A. (2022). Uprooted by tsunami: A social vulnerability framework on long-term reconstruction after the Great East Japan earthquake. *International Journal of Disaster Risk Reduction*, 69.  
<https://doi.org/10.1016/j.ijdr.2021.102725>

Thomas, B. E. O., Roger, J., Gunnell, Y., Sabiot, C., & Aucan, J. (2021). A low-cost toolbox for high-resolution vulnerability and hazard-perception mapping in view of tsunami risk mitigation: Application to New Caledonia.

*International Journal of Disaster Risk Reduction*, 62.  
<https://doi.org/10.1016/j.ijdr.2021.102350>

- Trevisan, D. P., Polyanna, da C. B., Almeida, D., Imani, M., Balzter, H., & Luiz, E. M. (2020). Environmental vulnerability index: An evaluation of the water and the vegetation quality in a Brazilian Savanna and Seasonal Forest biome. *Ecological Indicators*, 112. <https://doi.org/10.1016/j.ecolind.2020.106163>
- U.S. Coast and Geodetic Survey. (1965). *Tsunami ! : The Story of The Seismic Sea-Wave Warning System*. U.S. Government Printing Office.
- USDA. (1994). *National GIS Guidebook* (January 1994).
- Usman, L., Syamsuddin, & Hamzah, S. N. (2013). Analisis Vegetasi Mangrove di Pulau Dudepo Kecamatan Anggrek Kabupaten Gorontalo Utara. *Jurnal Ilmiah Perikanan Dan Kelautan*, 1(1), 11–17.
- Villanueva, J. K. S., & Blanco, A. C. (2019). Optimization of ground control point (GCP) configuration for unmanned aerial vehicle (UAV) survey using structure from motion (SFM). *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 42, 167–174.
- Weniza, W., Gusman, A. R., Puspito, N. T., Rahayu, H. P., Harig, S., Hanifa, N. R., Gunawan, I., Nurokhim, A., Setiawan, Y., Sriyanto, S. P. D., Masat, A., Daryono, D., Adi, S. P., & Karnawati, D. (2023). Rapid tsunami inundation forecast using pre-computed earthquake scenarios and offshore data. *Coastal Engineering*, 184, 104353. <https://doi.org/https://doi.org/10.1016/j.coastaleng.2023.104353>
- Widiyantoro, S., Gunawan, E., Muhari, A., Rawlinson, N., Mori, J., Hanifa, N. R., Susilo, S., Supendi, P., Shiddiqi, H. A., Nugraha, A. D., & Putra, H. E. (2020). Implications for megathrust earthquakes and tsunamis from seismic gaps south of Java Indonesia. *Scientific Reports*, 10(1). <https://doi.org/10.1038/s41598-020-72142-z>
- Williams, J. H., Wilson, T. M., Wotherspoon, L., Paulik, R., Lane, E. M., Horspool, N., Weir, A., Hughes, M. W., Schoenfeld, M. R., Brannigan, D., Chalmers, A., & Elliot, P. (2022). Tsunami damage and post-event disruption assessment of road and electricity infrastructure: A collaborative multi-agency approach in Ōtautahi Christchurch, Aotearoa New Zealand. *International Journal of Disaster Risk Reduction*, 72. <https://doi.org/10.1016/j.ijdr.2022.102841>
- Wisnu, B., Deputi, W., Sistem, B., Strategi, D., Raditya, B., Direktur, J., Risiko, P., Bnpb, B., Panjaitan, B. S. P., Sub-Direktorat, K., Bnpb, P., Robi, M., Kepala, A., Mitigasi, S.-D., Standarisasi, D., & Penulis, B. (2018). *Modul Teknis Penyusunan Kajian Risiko Bencana Tsunami*.

- Woldai, T. (2020). The status of Earth Observation (EO) & Geo-Information Sciences in Africa—trends and challenges. *Geo-Spatial Information Science*, 23(1), 107–123. <https://doi.org/10.1080/10095020.2020.1730711>
- Yang, Z., Yu, X., Dedman, S., Rosso, M., Zhu, J., Yang, J., Xia, Y., Tian, Y., Zhang, G., & Wang, J. (2022). UAV remote sensing applications in marine monitoring: Knowledge visualization and review. In *Science of the Total Environment* (Vol. 838). Elsevier B.V. <https://doi.org/10.1016/j.scitotenv.2022.155939>
- Yudistira, W., & Sunarno, S. (2021). Faktor Pertimbangan Perubahan Penggunaan Tanah Sultan Ground Sebelum Dan Sesudah Merapi Tahun 2010 Di Desa Umbulharjo Cangkringan. *Media of Law and Sharia*, 2(2), 207–217.
- Yusoff, A. R., Ariff, M. F. M., Idris, K. M., Majid, Z., & Chong, A. K. (2015). The effect of varies camera calibration fields on camera parameters. *Jurnal Teknologi*, 77(26), 11–16.
- Zhang, H., Zhang, M., Ji, Y., Wang, Y., & Xu, T. (2019). Numerical Study of Tsunami Wave Run-Up and Land Inundation on Coastal Vegetated Beaches. *Computers and Geosciences*, 9–22. <https://doi.org/https://doi.org/10.1016/j.cageo.2019.06.010>