

DAFTAR PUSTAKA

- Abdalla, R., & Esmail, M. (2019). *WebGIS for Disaster Management and Emergency Response*. Cham: Springer International Publishing. <https://doi.org/10.1007/978-3-030-03828-1>
- Agrawal, S., & Gupta, R. D. (2017a). Web GIS and its architecture: a review. *Arabian Journal of Geosciences*, 10(23), 518. <https://doi.org/10.1007/s12517-017-3296-2>
- Agrawal, S., & Gupta, R. D. (2017b). Web GIS and its architecture: a review. *Arabian Journal of Geosciences*, 10(23), 518. <https://doi.org/10.1007/s12517-017-3296-2>
- Ajmar, M., Boccardo, P., Balbo, S., Tonolo, F. G., & Piras, M. (2011). *Earthquake damage assessment based on remote sensing data. The Haiti case study*. Italian Journal of Remote Sensing, 43(2), 123–128.
- Angelika, D., Prakoso, L. Y., & Haris, A. (2023). Desain Antarmuka Sistem Monitoring Bencana Berbasis WebGIS untuk BPBD DKI Jakarta. *Jurnal Teknologi dan Sistem Komputer*, 11(2), 145-152.
- Azzahrah, N., Sari, R. F., & Nugraha, M. F. (2021). *Perancangan sistem informasi pelaporan bencana berbasis web menggunakan metode prototyping di BPBD Kabupaten Ponorogo*. Jurnal Teknik Informatika dan Sistem Informasi, 7(2), 85–94.
- Badan Penanggulangan Bencana Aceh [BPBA Aceh]. (2022). *Modul Pengkajian Kebutuhan Pascabencana (JITUPASNA)*
- BNPB (2017) PERKA BNPB No.5 Tahun 2017 Tentang Penyusunan Rencana Rehabilitasi Dan Rekonstruksi Pascabencana
- BNPB. (2011). *PERKA BNPB No. 15 Tahun 2011 Tentang Pedoman Pengkajian Kebutuhan Pasca Bencana*.
- Braik, M. S., & Koliou, M. (2024). Automated post-disaster damage assessment using satellite and drone imagery: A machine learning approach. *International Journal of Disaster Risk Reduction*, 101, 104954. <https://doi.org/10.1016/j.ijdrr.2024.104954>
- Butler, H., Daly, M., Doyle, A., Gillies, S., Hagen, S., & Schaub, T. (2016). *The GeoJSON format*. Internet Engineering Task Force (IETF).
- Castillo, C., Quintana, D. A., & Ramos, R. (2017). Architecture for fast integration of drone and satellite imagery in emergency response. *ISPRS Journal of Photogrammetry and Remote Sensing*, 128, 141–153. <https://doi.org/10.1016/j.isprsjprs.2017.03.007>
- D. (2024). Geographic Information Systems (GISs) Based on WebGIS Architecture: Bibliometric Analysis of the Current Status and Research Trends. *Sustainability*, 16(15), 6439. <https://doi.org/10.3390/su16156439>

- Daud, A. R., Aziz, M. A. A., & Rahim, N. A. (2022). UAV deployment in disaster risk management: A systematic literature review. *Sustainability*, 14(3), 1120. <https://doi.org/10.3390/su14031120>
- Dell'Acqua, F., & Gamba, P. (2012). Remote sensing and earthquake damage assessment: Experiences, limits, and perspectives. *Proceedings of the IEEE*, 100(10), 2876–2890. <https://doi.org/10.1109/JPROC.2012.2199269>
- Esri. (2023). *ArcGIS Maps SDK for JavaScript 4.29 documentation*. Esri. <https://developers.arcgis.com/javascript/latest/>
- Esri. (2023a). *ArcGIS API for Python: Overview*. Retrieved from <https://developers.arcgis.com/python/>
- Esri. (2023b). *ArcGIS Online: Cloud-based mapping and analysis*. Retrieved from <https://www.esri.com/en-us/arcgis/products/arcgis-online/overview>
- Esri. (2024). *ArcGIS Maps SDK for JavaScript: GeometryEngine class*. Esri. <https://developers.arcgis.com/javascript/latest/api-reference/esri-geometry-geometryEngine.html>
- Esri. (2024). *FeatureLayer queryFeatures method*. Esri. <https://developers.arcgis.com/javascript/latest/api-reference/esri-layers-FeatureLayer.html#queryFeatures>
- Esri. (2025). *Create a FeatureLayer from client-side graphics*. Esri. <https://developers.arcgis.com/javascript/latest/sample-code/featurelayer-clientgraphics/index.html>
- Graser, A. (2019). MovingPandas: Efficient Structures for Movement Data in Python. *GI Forum*, 1, 54–68. https://doi.org/10.1553/giscience2019_01_s54
- Green, D. G., & Bossomaier, T. R. (2014). Social Networks: Towards General Models. In *Networks in Society* (pp. 17–40). Jenny Stanford Publishing. <https://doi.org/10.1201/b16448-3>
- Harahap, A. K., Syastra, M. T., Irfayanti, Y., & Wijayanti, E. K. (2022). SISTEM INFORMASI GEOGRAFIS BENCANA ALAM BANJIR JAKARTA BERBASIS WEB DENGAN METODE SDLC. *Jurnal Informatika Teknologi dan Sains (Jinteks)*, 4(4), 489-495.
- Hayashi, H., et al. (2006). *GIS Portal for Post-Disaster Response in Ojiya City (Niigata-ken)*. ArcNews (Winter 2005/2006)
- Hong, J., & Goodchild, A. (2014). Land use policies and transport emissions: Modeling the impact of trip speed, vehicle characteristics and residential location. *Transportation Research Part D: Transport and Environment*, 26, 47–51. <https://doi.org/10.1016/j.trd.2013.10.011>
- Kasbani. (2017). *Kesiapsiagaan dalam menghadapi letusan gunung api di Indonesia*. Badan Geologi, PVMBG. Retrieved from <https://vsi.esdm.go.id>
- Kaya, A. (2025). Deep learning-based damage detection in urban areas after earthquake using

ArcGIS and satellite imagery. *Remote Sensing Applications: Society and Environment*, 29, 101060. <https://doi.org/10.1016/j.rsase.2025.101060>

Khan, R., Siddiqui, M. A., & Farooq, U. (2023). Real-time data analytics and security framework for smart disaster management systems. *Sustainable Cities and Society*, 94, 104515. <https://doi.org/10.1016/j.scs.2023.104515>

Lawhead, J. (2013). *Learning Geospatial Analysis with Python*. Retrieved from <https://api.semanticscholar.org/CorpusID:69455831>

Mandafania, F. (2023). *Pengembangan Sistem WebGIS untuk Analisis Kerusakan Pascabencana Menggunakan Citra Udara*. *Jurnal Teknologi Informasi dan Geografi*, 10(1), 50–60.

Monardo, D. (2019). *Indonesia sebagai laboratorium bencana*. Badan Nasional Penanggulangan Bencana (BNPB). Retrieved from <https://bnpb.go.id>

Mozilla Developer Network. (2022). *Using files from web applications*. Mozilla. https://developer.mozilla.org/en-US/docs/Using_files_from_web_applications

Mozilla Developer Network. (2023). *Working with JSON*. Mozilla. <https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Objects/JSON>

Mulia, D., & Handayani, H. H. (2014). Studi Fotogrametri Jarak Dekat Dalam Pemodelan 3D Dan Analisis Volume Objek. *Geoid*, 10(1), 32. <https://doi.org/10.12962/j24423998.v10i1.687>

Neteler, M., Bowman, M. H., Landa, M., & Metz, M. (2012). GRASS GIS: A multi-purpose open source GIS. *Environmental Modelling & Software*, 31, 124–130. <https://doi.org/10.1016/j.envsoft.2011.11.014>

Prasetyadi, C., Wulandari, D., & Hartanto, B. (2021). *Pemanfaatan UAV dan fotogrametri dalam penanganan bencana di Indonesia*. *Jurnal Geomatika*, 27(3), 123–135.

Rachmawati, T. A., Shoimah, F., Wicaksono, A. D., & Usman, F. (2022). Kajian Kebutuhan Sektor Perumahan Pasca Bencana Banjir Bandang di Kota Malang. *TEKAD : Teknik Mengabdi*, 1(1), 67–73. <https://doi.org/10.21776/ub.tekad.2022.01.1.9>

Rahman, A., Jeddawi, M., Mansyur, M., & Kurniawati, L. (2023). Implementasi kebijakan penanganan gempa bumi lombok 2018 berdasarkan peraturan daerah nomor 9 tahun 2014 tentang penanggulangan bencana di Provinsi Nusa Tenggara Barat. *Jurnal Ilmiah Wahana Bhakti Praja*, 13(1), 78–97. <https://doi.org/10.33701/jiwp.v13i1.3362>

Ramli, M., Susanti, R., & Handoko, A. (2022). *Integrasi data drone dan WebGIS untuk analisis pascabencana di wilayah perkotaan*. *Jurnal Geoinformatika*, 8(2), 112–125.

Selvakumaran, S., Yang, H., Lin, Y. L., & Tsai, Y. H. (2025). Post-disaster damage estimation using multi-temporal UAV imagery and deep learning. *Remote Sensing of Environment*, 312, 114151. <https://doi.org/10.1016/j.rse.2025.114151>

Sugiyono, S. (2016). Metode penelitian kuantitatif, kualitatif, R&D. *Bandung: Alfabeta*, 1(11).

Syahranitazli, & Samsudin. (2023). Sistem Informasi Geografis Persebaran Pondok Pesantren Kabupaten Langkat Dan Binjai Menggunakan Leaflet. *Jurnal Pendidikan Teknologi Informasi (JUKANTI)*, 6(1), 2621–1467.

Theresia, R., Irawan, M. D., & Nasution, A. B. (2024). Web-Based Land Sale Location Mapping Using the Haversine Method to Improve Information Access for the Community. *Jurnal IPTEK Bagi Masyarakat*, 4(2), 106–120. <https://doi.org/10.55537/jibm.v4i2.1002>

United Nations Economic and Social Commission for Asia and the Pacific [UN ESCAP]. (2015). *Asia-Pacific Disaster Report 2015: Disasters Without Borders – Regional resilience for sustainable development*

Vinueza-Martinez, J., Correa-Peralta, M., Ramirez-Anormaliza, R., Franco Arias, O., & Vera Paredes, D. (2024). Geographic Information Systems (GISs) Based on WebGIS Architecture: Bibliometric Analysis of the Current Status and Research Trends. *Sustainability*, 16(15), 6439. <https://doi.org/10.3390/su16156439>

Zandbergen, P. A. (2020). *Python Scripting for ArcGIS Pro* (3rd Edition).

Zhou, W., Chi, C.-H., Wang, C., Wong, R., & Ding, C. (2014). Bridging the Gap between Spatial Data Sources and Mashup Applications. *2014 IEEE International Congress on Big Data*, 554–561. IEEE. <https://doi.org/10.1109/BigData.Congress.2014.8>

