

DAFTAR PUSTAKA

- Adityarahman, Alfadli, M. A., Kurniawan, M., & Listiawan, Y. (2024). Proyeksi Tutupan Lahan Tahun 2025 Dan 2026 Dengan Pendekatan Random Forest Classifier Di Sub-Das Cibeusi, Kecamatan Jatinangor, Kabupaten Sumedang, Provinsi Jawa Barat. *Geoscience Journal*, 8(4), 2185–2194. <https://doi.org/https://doi.org/10.24198/pgj.v8i4.61659>
- Agnesia, Y., & Fitri, J. A. (2025). Perubahan Iklim Dan Dampaknya Pada Kesehatan Lingkungan. *Biomedical and Environmental Health Technology*, 2(1), 19–25. <https://doi.org/https://doi.org/10.35328/fe7x8s11>
- Alawiyah, A. M., & Harintaka. (2021). Identifikasi Genangan Banjir di Wilayah DKI Jakarta Menggunakan Citra Satelit Sentinel-1. *JGISE: Journal of Geospatial Information Science and Engineering*, 4(2), 95–101. <https://doi.org/https://doi.org/10.22146/jgise.68353>
- Alifya, S. N., & Mardiansjah, F. H. (2021). Transformasi Wilayah Kabupaten Demak Sebagai Kawasan Pinggiran di dalam Proses Metropolitanisasi Semarang. *Jurnal Wilayah Dan Lingkungan*, 9(2), 109–126. <https://doi.org/http://dx.doi.org/10.14710/jwl.9.2.109-126>
- Amalia, R. R., Sakka, S., & Suriamihardja, D. A. (2019). Distribusi Pengaliran Presipitasi Berdasarkan Topografi. *Jurnal Geoelebes*, 3(2), 90–96. <https://doi.org/https://doi.org/10.20956/geoelebes.v3i2.7088>
- Amelia, A., Kurniadin, N., Wumu, R., & Suryalfihra, S. I. (2023). Perbandingan Laju Penurunan Muka Tanah Menggunakan Metode DInSAR dengan Pengolahan Data Aktual. *Journal of Geomatics Engineering, Technology, and Science (GETS)*, 2(1), 18–23. <https://doi.org/https://doi.org/10.51967/gets.v2i1.29>
- Ardiansyah, A., Budi, F. I., Fadillah, Z. H. R., Ahmad, I. I., & Safitri, D. A. (2024). Analisa Kerawanan Banjir Kabupaten Bandung Dengan Software ARCGIS. *Konstruksi: Publikasi Ilmu Teknik, Perencanaan Tata Ruang Dan Teknik Sipil*, 2(2), 197–211. <https://doi.org/https://doi.org/10.61132/konstruksi.v2i2.273>
- Arinata, F. S., Saraswati, S., Nusantara, E., Christian, G. M., Hartanto, M. A., Prihatin, S., Rahmah, F. A. F., Syafika, F. T., & Khoirunnisa, H. R. (2024). Program Peningkatan Pengetahuan dan Kesiapsiagaan Bencana Banjir pada Siswa SD Negeri Batusari 6 Kabupaten Demak. *Jurnal Abdidas*, 5(4), 313–318. <https://doi.org/https://doi.org/10.31004/abdidas.v5i4.952>
- Asrofi, A., Hardoyo, S. R., & Hadmoko, D. S. (2017). Strategi Adaptasi Masyarakat Pesisir Dalam Penanganan Bencana Banjir Rob Dan Implikasinya Terhadap Ketahanan Wilayah (Studi Di Desa Bedono Kecamatan Sayung Kabupaten

- Demak Jawa Tengah). *Jurnal Ketahanan Nasional*, 23(2), 125–144.
<https://doi.org/https://doi.org/10.22146/jkn.26257>
- Ayudhia, K. C., & Sawiji, N. (2025). Penerapan Teknologi Ramah Lingkungan Dalam Pemetaan Genangan Air Pada Wilayah Rawan Banjir Menggunakan Google Earth Engine (Studi Kasus: Kabupaten Demak). *Jurnal Kota Wali*, 1(1), 45–57. <https://jurnal.demakkab.go.id/kotawali>
- Azizah, L., Bioresita, F., & Ayu, K. R. (2024). Flood Inundation Distribution In Lamongan Regency Using Sentinel-1 SAR Data And Automatic Water-S1 Method. *IOP Conference Series: Earth and Environmental Science*, 1418, 1–10. <https://doi.org/10.1088/1755-1315/1418/1/012052>
- Azizah, M., Subiyanto, A., Triutomo, S., & Wahyuni, D. (2022). Pengaruh Perubahan Iklim terhadap Bencana Hidrometeorologi di Kecamatan Cisarua, Kabupaten Bogor. *PENDIPA Journal of Science Education*, 6(2), 541–546. <https://doi.org/https://doi.org/10.33369/pendipa.6.2.541-546>
- Bangira, T., Iannini, L., Menenti, M., Niekerk, A. van, & Vekerdy, Z. (2021). Flood Extent Mapping in the Caprivi Floodplain Using Sentinel-1 Time Series. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 14, 5667–5683. <https://doi.org/https://doi.org/10.1109/JSTARS.2021.3083517>
- Bashiir, M. F., & Kurniadin, N. (2021). Deteksi Kerusakan Perkotaan Akibat Gempa Bumi Di Kota Palu Menggunakan Data Satelit Sentinel-1. *Buletin Poltanesa*, 22(1), 66–69. <https://doi.org/https://doi.org/10.51967/tanesa.v22i1.330>
- BBC. (2024). *Banjir Demak terparah dalam 30 tahun terakhir - Apakah bencana ini berkaitan dengan Selat Muria?* BBC NEWS INDONESIA. <https://www.bbc.com/indonesia/articles/clm75v3llvxo>
- Belladona, M. (2017). Pemetaan Daerah Genangan Dan Kajian Genangan Banjir Pada Kawasan Komersial Di Kelurahan Rawa Makmur. *Majalah Teknik Simes*, 11(1), 40–44. <https://journals.unihaz.ac.id/index.php/simes/index>
- Benali, N., & Feki, R. (2017). The Impact of Natural Disasters on Insurers' Profitability: Evidence from Property/Casualty Insurance Company in United States. *Research in International Business and Finance*, 42, 1394–1400. <https://doi.org/https://doi.org/10.1016/j.ribaf.2017.07.078>
- Besarra, I., Opdyke, A., Aquino, D. H., Santiago, J., Mendoza, J. E., & Lagmay, A. M. F. A. (2024). Flood Fragility And Vulnerability Functions for Residential Buildings in the Province of Leyte, Philippines. *Journal of Flood Risk Management*, 18(1), 1–16. <https://doi.org/https://doi.org/10.1111/jfr3.13043>

- Betterle, A., & Salamon, P. (2024). Water Depth Estimate and Flood Extent Enhancement For Satellite-Based Inundation Maps. *Natural Hazards and Earth System Sciences*, 24, 2817–2836. <https://doi.org/https://doi.org/10.5194/nhess-24-2817-2024>
- Bioresita, F., Hayati, N., Ngurawan, M. G. R., & Berliana, M. (2022). Integrating InSAR Coherence and Backscattering For Identification Of Temporary Surface Water, Case Study: South Kalimantan Flooding, Indonesia. *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 43, 33–39. <https://doi.org/https://doi.org/10.5194/isprs-archives-XLIII-B3-2022-33-2022>
- Bioresita, F., Ngurawan, M. G. R., & Hayati, N. (2021). Identifikasi Sebaran Spasial Genangan Banjir Memanfaatkan Citra Sentinel-1 dan Google Earth Engine (Studi Kasus: Banjir Kalimantan Selatan). *Journal of Geodesy and Geomatics*, 17(1), 108–118. <https://doi.org/http://dx.doi.org/10.12962%2Fj24423998.v17i1.10383>
- BNPB. (2014). Tanggap Tangkas Tangguh Menghadapi Bencana. In S. Humas (Ed.), *Buku Saku Tanggap Tangkas Tangguh Menghadapi Bencana* (2012th ed., p. 17). Pusat Data Informasi dan Komunikasi Kebencanaan BNPB. <https://bnpb.go.id/buku>
- BNPB. (2024). *Buku IRBI 2024*. BNPB. <https://bnpb.go.id/buku/buku-irbi-2024>
- Botzen, W. J. W., Deschenes, O., & Sanders, M. (2019). The Economic Impacts of Natural Disasters: A Review of Models and Empirical Studies. *Review of Environmental Economics and Policy*, 13(2), 167–188. <https://doi.org/10.1093/reep/rez004>
- BPK RI. (2007). *Undang-Undang (UU) Nomor 24 Tahun 2007 tentang Penanggulangan Bencana*. <https://peraturan.bpk.go.id/>
- BPK RI. (2008). *Peraturan Pemerintah (PP) Nomor 21 Tahun 2008 tentang Penyelenggaraan Penanggulangan Bencana*. <https://peraturan.bpk.go.id/>
- BPK RI. (2017). *Peraturan Badan Nasional Penanggulangan Bencana Nomor 5 Tahun 2017 tentang Penyusunan Rencana Rehabilitasi Dan Rekonstruksi Pascabencana*. <https://peraturan.bpk.go.id/>
- Brewer, C. A., & Pickle, L. (2002). Evaluation of Methods for Classifying Epidemiological Data on Choropleth Maps in Series. *Annals of the Association of American Geographers*, 92(4), 662–681. <https://doi.org/https://doi.org/10.1111/1467-8306.00310>
- Briantama, R. H., Suhartanto, E., & Sajali, M. A. (2024). Analisis Hidrologi dan Hidrolika Sungai Untuk Pemodelan Banjir Sebagai Upaya Mitigasi Bencana

Pada Sungai Kali Surabaya. *Jurnal Teknologi Dan Rekayasa Sumber Daya Air*, 4(1), 969–981.
<https://doi.org/https://doi.org/10.21776/ub.jtresda.2024.004.01.082>

Budiarto, F. A., & Bioresita, F. (2023). Pemanfaatan Citra Sentinel-1 SAR dan Metode Change Detection Approach Untuk Analisis Sebaran Spasial Wilayah Banjir dan Area Terdampak (Studi Kasus: Banjir Kabupaten Aceh Utara 2022). *JGISE: Journal of Geospatial Information Science and Engineering*, 6(2), 153–162. <https://doi.org/https://doi.org/10.22146/jgise.87585>

Budiyono, Y., Aerts, J. C. J. H., Tollenaar, D., & Ward, P. J. (2016). River Flood Risk in Jakarta Under Scenarios of Future Change. *Natural Hazards and Earth System Sciences*, 16(3), 757–774.
<https://doi.org/https://doi.org/10.5194/nhess-16-757-2016>

Caballero, G. R., Platzeck, G., Pezzola, A., Casella, A., Winschel, C., Silva, S. S., Ludueña, E., Pasqualotto, N., & Delegido, J. (2020). Assessment of Multi-Date Sentinel-1 Polarizations and GLCM Texture Features Capacity for Onion and Sunflower Classification in an Irrigated Valley: An Object Level Approach. *Agronomy*, 10(6), 1–27.
<https://doi.org/https://doi.org/10.3390/agronomy10060845>

Chrysanti, A., Adhani, A., Azkiazizqi, I. N., Adityawan, M. B., Kusuma, M. S. B., & Cahyono, M. (2024). Assessing Compound Coastal–Fluvial Flood Impacts and Resilience Under Extreme Scenarios in Demak, Indonesia. *Sustainability*, 16(23), 10315. <https://doi.org/https://doi.org/10.3390/su162310315>

Deschamps, B., Boudreault, M., & Gachon, P. (2025). Flooding: Contributing Factors to Residential Flood Damage in Canada. *International Journal of Disaster Risk Reduction*, 120, 105348.
<https://doi.org/https://doi.org/10.1016/j.ijdr.2025.105348>

Dewanti, F. G., Imaningsih, N., & Fadil, C. (2024). Identifikasi Dampak Perubahan Iklim Terhadap Gagal Panen Tanaman Padi Di Jawa Timur. *Jurnal Ilmiah Wahana Pendidikan*, 10(19), 369–377.
<https://doi.org/https://doi.org/10.5281/zenodo.14159923>

Dewi, A., Subiyanto, S., & Amarrohman, F. J. (2019). Identifikasi Penggunaan Lahan Untuk Mengetahui Arah Perkembangan Fisik Wilayah Menggunakan Sistem Informasi Geografis (Studi Kasus: Kabupaten Demak). *Jurnal Geodesi Undip*, 8(1), 258–267.
<https://doi.org/https://doi.org/10.14710/jgundip.2019.22579>

Dhanisa, R., Sampurno, J., & Perdhana, R. (2024). Aplikasi Citra Sentinel-1 SAR untuk Deteksi Banjir di Kecamatan Sandai, Kabupaten Ketapang, Kalimantan Barat. *Jurnal Ilmu Lingkungan*, 22(3), 672–677.
<https://doi.org/https://doi.org/10.14710/jil.22.3.672-677>

- Dhiniati, F., & Dinata, A. (2022). Identifikasi Kerentanan Banjir Bandang Menggunakan Metode Ahp (Analytical Hierarchy Process) Berbasis SIG Di Sub Das Air Mulak, Kabupaten Lahat. *Jurnal Penelitian Pengelolaan Daerah Aliran Sungai*, 6(1), 39–56.
<https://doi.org/https://doi.org/10.20886/jppdas.2022.6.1.39-56>
- Diakakis, M., Andreadakis, E., Nikolopoulos, E. I., Spyrou, N. I., Gogou, M. E., Deligiannakis, G., Katsetsiadou, N. K., Antoniadis, Z., Melaki, M., Georgakopoulos, A., Tsaprouni, K., Kalogiros, J., & Lekkas, E. (2019). An Integrated Approach Of Ground And Aerial Observations In Flash Flood Disaster Investigations. The Case Of The 2017 Mandra Flash Flood In Greece. *International Journal of Disaster Risk Reduction*, 33, 290–309.
<https://doi.org/https://doi.org/10.1016/j.ijdr.2018.10.015>
- Dwiratna, S., Pareira, B. M., & Kendarto, D. R. (2018). Pemberdayaan Masyarakat Dalam Pengolahan Air Banjir Menjadi Air Baku Di Daerah Rawan Banjir. *Dharmakarya: Jurnal Aplikasi Ipteks Untuk Masyarakat*, 7(1), 75–79.
<https://doi.org/https://doi.org/10.24198/dharmakarya.v7i1.11444>
- Farid, M., Dewi, N. T., Adityawan, M. B., Nugroho, E., Alhamid, A. K., Wahid, A. N., & Sihombing, Y. I. (2025). Probabilistic Urban Flood Risk Assessment Of Multi-Sectoral Economic Losses Due To Levee Overtopping. *Results in Engineering*, 27, 1–15.
<https://doi.org/https://doi.org/10.1016/j.rineng.2025.106260>
- Fathoni, M. H., & Karwuryan, F. (2024). Resiliensi Masyarakat Korban Banjir Kecamatan Karanganyar Kabupaten Demak. *Pendas : Jurnal Ilmiah Pendidikan Dasar*, 9(04), 394–405.
<https://doi.org/https://doi.org/10.23969/jp.v9i04.20350>
- Fauziyah, T. A., & Putri, G. S. (2024, April 18). Kerugian Banjir Kota Semarang dan Kabupaten Demak Tembus Rp 1,6 Triliun. *Kompas.Com*.
<https://regional.kompas.com/read/2024/04/18/170137978/kerugian-banjir-kota-semarang-dan-kabupaten-demak-tembus-rp-16-triliun>
- Filipponi, F. (2019). Sentinel-1 GRD Preprocessing Workflow. *3rd International Electronic Conference on Remote Sensing*, 18(1), 11.
<https://doi.org/https://doi.org/10.3390/ECRS-3-06201>
- Firdausy, F. A., & Alia, R. (2024). Program Pencegahan Banjir: Tinjauan Efektivitas Dinas Pekerjaan Umum Sumber Daya Air Dan Penataan Ruang Provinsi Jawa Tengah. *Jurnal Ilmiah Wahana Pendidikan*, 10(11), 170–186.
<https://doi.org/https://doi.org/10.5281/zenodo.12577755>
- Firmansyah, S., Gaol, J., & Susilo, S. B. (2019). Perbandingan Klasifikasi SVM dan Decision Tree untuk Pemetaan Mangrove Berbasis Objek Menggunakan Citra Satelit Sentinel-2B di Gili Sulat, Lombok Timur. *Journal of Natural*

Resources and Environmental Management, 9(3), 746–757.
<https://doi.org/https://doi.org/10.29244/jpsl.9.3.746-757>

Hanifah, M., & Putri, N. E. (2022). Dampak Banjir pada Lahan Sawah terhadap Pendapatan Usahatani Padi di Desa Ibul Besar I Kecamatan Pemulutan Kabupaten Ogan Ilir. *Seminar Nasional Lahan Suboptimal*, 1(1), 562–571.
<https://conference.unsri.ac.id/index.php/lahansuboptimal/index>

Haq, M. N., Herlambang, B. A., & Anam, A. K. (2026). Analisis Spasial Kerawanan Banjir Di Kabupaten Demak Berdasarkan Sebaran Desa Terdampak Dan Penurunan Muka Tanah. *Jurnal Multidisiplin Ilmu Akademik*, 3(1), 493–503. <https://doi.org/https://doi.org/10.61722/jmia.v3i1.7979>

Hartanto, I. S., & Rachmawati, R. (2017). Assessing the Spatial-Temporal Land use Change and Encroachment Activities Due to Flood Hazard in North Coast of Central Java, Indonesia. *Indonesian Journal of Geography*, 49(2), 165–176.
<https://doi.org/https://doi.org/10.22146/ijg.28402>

Hastoro, M. D. A., & Yudinugroho, M. (2023). Analisis Klasifikasi Tutupan Lahan dengan Citra Sentinel 1A Menggunakan Metode Dekomposisi Polarimetrik di Provinsi Daerah Istimewa Yogyakarta. *Jurnal Ilmiah Geomatika*, 3(2), 58–67.
<https://doi.org/http://dx.doi.org/10.31315/imagi.v3i2.10778>

Hendrawan, V. S. A., & Komori, D. (2021). Developing Flood Vulnerability Curve for Rice Crop Using Remote Sensing and Hydrodynamic Modeling. *International Journal of Disaster Risk Reduction*, 54, 102058.
<https://doi.org/https://doi.org/10.1016/j.ijdr.2021.102058>

Hidayat, A. S., Siahainenia, R. . R., & Utomo, A. W. (2024). Peran Taruna Siaga Bencana (TAGANA) Kabupaten Semarang dan Kabupaten Boyolali Dalam Pemenuhan Kebutuhan Dasar Bagi Korban Bencana Banjir Kabupaten Demak di Posko Dapur Umum Balai Desa Desa Ngaluran. *INNOVATIVE: Journal Of Social Science Research*, 4(5), 8445–8456.
<https://doi.org/https://doi.org/10.31004/innovative.v4i5.15833>

Hotaki, S. F., Haghighi, M. H., & Motagh, M. (2026). Coherent And Incoherent Change Detection For Improved Flood Mapping: A Sentinel-1 SAR Time-Series Approach. *Remote Sensing Applications: Society and Environment*, 41, 1–18. <https://doi.org/https://doi.org/10.1016/j.rsase.2026.101961>

Huizinga, J., Moel, H. de, & Szewczyk, W. (2017). *Global Flood Depth-Damage Functions: Methodology and the Database with Guidelines*. Publications Office of the European Union.
<https://doi.org/https://dx.doi.org/10.2760/16510>

Ija, L. I., Wahyudi, S. I., & Adi, H. P. (2024). Analisis Hidrologi Pada DAS Gonjol Sebagai Dasar Penanggulangan Banjir Di Kecamatan Sayung - Demak.

Teknika, 19(1), 75–82.
<https://doi.org/https://doi.org/10.26623/teknika.v19i1.8092>

Ikhsan, M., & Santosa, P. B. (2025). Flood Vulnerability Using Multi-Criteria Analysis in West Jakarta. *Journal of Applied Geospatial Information*, 9(2), 65–72. <https://doi.org/https://doi.org/10.30871/jagi.v9i2.11735>

Islam, N. N., Rafsan, M. A., & Sayed, M. A. (2024). Why Modification Of The ECLAC Methodology For Bangladesh Is Important? Observation From Housing, Commerce And Transport Sector In Cyclone Mora In Teknaf Upazila, Cox's Bazar, Bangladesh. *Progress in Disaster Science*, 23, 1–11. <https://doi.org/https://doi.org/10.1016/j.pdisas.2024.100332>

Islami, R. L., & Sihombing, P. R. (2021). Interpolasi Curah Hujan Ekstrim Menggunakan Model Spasial Di Provinsi Jawa Barat. *Jurnal Aplikasi Statistika & Komputasi Statistik*, 13(2), 15–22. <https://doi.org/https://doi.org/10.34123/jurnalasks.v13i2.290>

Istianah, Hendrawan, D., & Wibowo, D. S. (2025). Analisis Penanggulangan Banjir di Desa Karanganyar, Kecamatan Karanganyar Kabupaten Demak. *Jurnal Teknik Sipil Institut Teknologi Padang*, 12(1), 105–114. <https://doi.org/https://doi.org/10.21063/jts.2025.V1201.0105-114>

Jayantara, I. G. N. Y. (2020). Implementasi Qgis Untuk Mengestimasi Kerugian Ekonomi Akibat Banjir di Kabupaten Bandung. *Jurnal Pendidikan Teknologi Dan Kejuruan*, 18(2), 231–242. <https://doi.org/https://doi.org/10.23887/jptk-undiksha.v17i2.25839>

Jovel, R. J., & Mudahar, M. (2010). Damage, Loss, and Needs Assessment Guidance Notes : Volume 2. Conducting Damage and Loss Assessments after Disasters. *World Bank*, 2, 1–98. <https://doi.org/https://doi.org/10.1596/19046>

Kurniawati, D. (2020). Communication on Disaster Mitigation as Community Precautions in Disaster Management. *Jurnal Simbolika Research and Learning in Communication Study*, 6(1), 51–58. <https://doi.org/https://doi.org/10.31289/simbollika.v6i1.3494>

Kushardono, D., & Arief, R. (2020). Pemanfaatan Data Satelit Radar untuk Wilayah Darat di Indonesia: Peluang dan Tantangan. In D. Kushardono & R. Arief (Eds.), *LIPI Press* (1st ed.). LIPI Press. <https://doi.org/http://dx.doi.org/10.14203/press.243>

Lestari, M., Mira, Prasetyo, S. Y. J., & Fibriani, C. (2021). Analisis Daerah Rawan Banjir Pada Daerah Aliran Sungai Tuntang Menggunakan Skoring dan Inverse Distance Weighted. *Indonesian Journal of Computing and Modeling*, 4(1), 1–9. <https://doi.org/https://doi.org/10.24246/icm.v4i1.4615>

- Li, Y., Martinis, S., Plank, S., & Ludwig, R. (2018). An Automatic Change Detection Approach for Rapid Flood Mapping in Sentinel-1 SAR Data. *International Journal of Applied Earth Observation and Geoinformation*, 73, 123–135. <https://doi.org/https://doi.org/10.1016/j.jag.2018.05.023>
- Longbotham, N., Pacifici, F., Glenn, T., Zare, A., Volpi, M., & Tuia, D. (2012). Multi-Modal Change Detection, Application to the Detection of Flooded Areas: Outcome of the 2009–2010 Data Fusion Contest. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 5(1), 331–342. <https://doi.org/https://doi.org/10.1109/JSTARS.2011.2179638>
- Ma'arif, M. Y., & Budiyanto, E. (2025). Dinamika Spasial Permasalahan Transportasi di Demak: Perspektif Geografi Transportasi dalam Menghadapi Tantangan Banjir Rob dan Infrastruktur yang Terdampak di Wilayah Kabupaten Demak. *Jurnal Ilmiah WUNY*, 7(2), 34–43. <https://doi.org/https://doi.org/10.21831/jwuny.v7i2.84708>
- Marselina, M., Nurhayati, S. A., & Pandia, S. L. (2022). Flood Analysis and Estimating Economic Losses in an Affected Area (Case Study: Cikapundung Watershed). *Air, Soil and Water Research*, 15, 1–10. <https://doi.org/https://doi.org/10.1177/11786221221131277>
- Martinis, S., & Rieke, C. (2015). Backscatter Analysis Using Multi-Temporal and Multi-Frequency SAR Data in the Context of Flood Mapping at River Saale, Germany. *Remote Sensing*, 7(6), 7732–7752. <https://doi.org/https://doi.org/10.3390/rs70607732>
- Moel, H. de, Jongman, B., Kreibich, H., Merz, B., Penning-Rowsell, E., & Ward, P. J. (2015). Flood Risk Assessments at Different Spatial Scales. *Mitig Adapt Strateg Glob Change*, 20(6), 865–890. <https://doi.org/https://doi.org/10.1007/s11027-015-9654-z>
- Molinari, D., Scorzini, A. R., Arrighi, C., Carisi, F., Castelli, F., Domeneghetti, A., Gallazzi, A., Galliani, M., Grelot, F., Kellermann, P., Kreibich, H., Mohor, G. S., Mosimann, M., Natho, S., Richert, C., Schroeter, K., Thieken, A. H., Zischg, A. P., & Ballio, F. (2020). Are Flood Damage Models Converging To “Reality”? Lessons Learnt From A Blind Test. *Natural Hazards and Earth System Sciences*, 20(11), 2997–3017. <https://doi.org/https://doi.org/10.5194/nhess-20-2997-2020>
- Molinari, D., Scorzini, A. R., Gallazzi, A., & Ballio, F. (2019). AGRIDE-c, a Conceptual Model for the Estimation of Flood Damage to Crops: Development and Implementation. *Nat. Hazards Earth Syst. Sci.*, 19, 2565–2582. <https://doi.org/https://doi.org/10.5194/nhess-19-2565-2019>
- Monteleone, B., Giusti, R., Magnini, A., Arosio, M., Domeneghetti, A., Borzì, I., Petrucci, N., Castellarin, A., Bonaccorso, B., & Mario L. V. Martina. (2023).

- Estimations of Crop Losses Due to Flood Using Multiple Sources of Information and Models: The Case Study of the Panaro River. *Water*, 15(11), 1–28. <https://doi.org/https://doi.org/10.3390/w15111980>
- Mujib, M. F., Fatmawati, N., & Nur, D. M. M. (2025). Mitigasi Bencana Banjir Di Karanganyar Demak: Kajian Sosial Dan Edukatif Dalam Pendidikan IPS. *INFOMATEK: Jurnal Informatika, Manajemen Dan Teknologi*, 27(2), 203–214. <https://doi.org/https://doi.org/10.23969/infomatek.v27i2.26046>
- Muliadi, & Warsidah. (2024). Sosialisasi Mitigasi Bencana Hidrometeorologi Pada Masyarakat Desa Rodaya Kabupaten Bengkayang Kalimantan Barat. *Journal of Community Development*, 4(3), 237–242. <https://doi.org/https://doi.org/10.47134/comdev.v4i3.181>
- Najar, I. A., Ahmadi, R. B., Najar, N. A., Akbar, S., Binti, N. S., & Hanapi. (2020). Review of Impact of 2004 Great Sumatra-Andaman Mega Thrust Earthquake and Tsunami on Affected Countries using ECLAC DaLA Framework. *Journal of Environmental Engineering and Studies*, 5(1), 36–45. <https://doi.org/http://doi.org/10.5281/zenodo.3740456>
- Nguyen, N. Y., Ichikawa, Y., & Ishidaira, H. (2017). Establishing Flood Damage Functions for Agricultural Crops Using Estimated Inundation Depth and Flood Disaster Statistics in Data-Scarce Regions. *Hydrological Research Letters*, 11(1), 12–18. <https://doi.org/https://doi.org/10.3178/hrl.11.12>
- Nurlatifah, A. R. C. C. A. M., Hatmaja, R. B., & Rakhman, A. A. (2023). Analisis Potensi Kejadian Curah Hujan Ekstrem di Masa Mendatang Sebagai Dampak dari Perubahan Iklim di Pulau Jawa Berbasis Model Iklim Regional CCAM. *Jurnal Ilmu Lingkungan*, 21(4), 980–986. <https://doi.org/https://doi.org/10.14710/vol%25viss%25ipp%25p>
- Oktaviany, W. T., Insani, F., Nazir, A., & Pizaini. (2025). Pengelompokan Wilayah Bencana Banjir di Indonesia Menggunakan Algoritma K-Means. *Bulletin of Computer Science Research*, 5(4), 542–553. <https://doi.org/https://doi.org/10.47065/bulletincsr.v5i4.608>
- Paprotny, D., Kreibich, H., Morales-Nápoles, O., Wagenaar, D., Castellarin, A., Carisi, F., Bertin, X., Merz, B., & Schröter, K. (2021). A Probabilistic Approach to Estimating Residential Losses from Different Flood Types. *Natural Hazards*, 105, 2569–2601. <https://doi.org/https://doi.org/10.1007/s11069-020-04413-x>
- Park, J.-W., Korosov, A., Babiker, M., Sandven, S., & Won, J.-S. (2017). Efficient Thermal Noise Removal for Sentinel-1 TOPSAR Cross-Polarization Channel. *IEEE Transactions on Geoscience and Remote Sensing*, 56(3), 1555–1565. <https://doi.org/https://doi.org/10.1109/TGRS.2017.2765248>

- Pirngadi, R. S., Rahmawaty, Ayu, S. F., & Rauf, A. (2024). Estimation Of Loss Of Rice Farmers Due To Flood At Krueng Kluet Watershed (With The Eclac Method Approach). *IOP Conference Series: Earth and Environmental Science*, 1302(1), 1–9. <https://doi.org/10.1088/1755-1315/1302/1/012125>
- Pistrika, A., Tsakiris, G., & Nalbantis, I. (2014). Flood Depth-Damage Functions for Built Environment. *Environmental Processes*, 1(4), 553–572. <https://doi.org/https://doi.org/10.1007/s40710-014-0038-2>
- PPID Jateng. (2024). Menteri Pertanian Salurkan Rp30 Miliar untuk Petani Korban Banjir di Demak, Kudus, dan Grobogan. *Portal PPID Prov.Jateng*, 1. <https://ppid.jatengprov.go.id/menteri-pertanian-salurkan-rp30-miliar-untuk-petani-korban-banjir-di-demak-kudus-dan-grobogan/>
- Prabowo, R. W. (2020). Tipologi Kerusakan Bangunan Akibat Cuaca Ekstrem Studi Kasus Cuaca Ekstrem Kabupaten Bantul 2019. *Sustainable, Planning and Culture (SPACE): Jurnal Perencanaan Wilayah Dan Kota*, 2(2), 31–36. <https://ejournal.unhi.ac.id/index.php/space>
- Pradana, I. H., Irawan, L. Y., Setiawan, D., Yuliano, F. S., & Mufid, H. A. (2020). Analisis Daerah Tergenang Banjir Di Desa Sitiarjo, Kabupaten Malang Menggunakan Data SAR (Synthetic Aperture Radar) Sentinel-1. *Jurnal Georafflesia: Artikel Ilmiah Pendidikan Geografi*, 5(1), 58–67. <https://doi.org/https://doi.org/10.32663/georaf.v5i1.1347>
- Pratama, H. Y., & Mustofa, M. U. (2025). Narasi Selat Muria dalam Membentuk Persepsi Publik atas Banjir Besar Demak Maret 2024: Sebuah Analisis Wacana Kritis. *Journal of Political Issues*, 7(1), 17–33. <https://doi.org/https://doi.org/10.33019/jpi.v7i1.282>
- Prihantini, C. I. (2020). Estimating the Economic Losses Value Caused by Flood Disaster in Sampang Regency Using Tangible Damage Assessment. *IOP Conference Series: Earth and Environmental Science*, 469, 1–8. <https://doi.org/10.1088/1755-1315/469/1/012091>
- Puspitotanti, E., & Karmilah, M. (2021). Kajian Kerentanan Sosial Terhadap Bencana Banjir. *Jurnal Kajian Ruang*, 1(2), 177–197. <https://doi.org/https://dx.doi.org/10.30659/jkr.v1i2.20023>
- Putra, I. S. W., Hermawan, F., & Hatmoko, J. U. D. (2020). Penilaian Kerusakan Dan Kerugian Infrastruktur Publik Akibat Dampak Bencana Banjir Di Kota Semarang. *Wahana Teknik Sipil: Jurnal Pengembangan Teknik Sipil*, 25(2), 86–97. <https://doi.org/https://doi.org/10.32497/wahanats.v25i2.2154>
- Rahmasari, F., Rifany, M., Priharyanto, T., & Kurniawan, R. (2024). Perbandingan Algoritma Machine Learning dalam Klasifikasi Status Banjir di Sumatera Utara. *Prosiding Seminar Nasional Sains Data*, 4(1), 307–318.

<https://doi.org/https://doi.org/10.33005/senada.v4i1.198>

- Rakuasa, H., Helwend, J. K., & Sihasale, D. A. (2022). Pemetaan Daerah Rawan Banjir di Kota Ambon Menggunakan Sistim Informasi Geografis. *Jurnal Geografi: Media Informasi Pengembangan Dan Profesi Kegeografian*, 19(2), 73–82. <https://doi.org/https://doi.org/10.15294/jg.v19i2.34240>
- Ramadhan, M. A., Anggraeny, F. T., & Putra, C. A. (2024). Klasifikasi Curah Hujan Harian Menggunakan Metode K-Nearest Neighbor. *JATI (Jurnal Mahasiswa Teknik Informatika)*, 8(3), 3863–3869. <https://doi.org/https://doi.org/10.36040/jati.v8i3.9817>
- Ramadhan, Z., Salma, G. Y., Nulhakim, D. L., Ridwana, R., & Aliyan, S. A. (2024). Analisis Spasial Genangan Banjir Menggunakan Citra Sentinel-1 Synthetic Aperture Radar (Sar) Di Kabupaten Indramayu. *Jurnal Spasial*, 11(2), 62–69. <https://doi.org/https://doi.org/10.22202/js.v11i2.9905.g3955>
- Rana, V. K., & Suryanarayana, T. M. . (2019). Evaluation of SAR Speckle Filter Technique for Inundation Mapping. *Remote Sensing Applications: Society and Environment*, 16, 100271. <https://doi.org/https://doi.org/10.1016/j.rsase.2019.100271>
- Rehman, S., Sahana, M., Hong, H., Sajjad, H., & Ahmed, B. Bin. (2019). A systematic review on approaches and methods used for flood vulnerability assessment: framework for future research. *Natural Hazards*, 96(2), 975–998. <https://doi.org/https://doi.org/10.1007/s11069-018-03567-z>
- Romali, N. S., Sulong, S., & Kawasaki, A. (2025). A Systematic Review of Flood Damage Assessment: Insight for the Data-Scarce Regions. *Water Resources Management*, 39, 4707–4734. <https://doi.org/https://doi.org/10.1007/s11269-025-04265-9>
- Rozalis, S., Morin, E., Yair, Y., & Price, C. (2010). Flash Flood Prediction Using an Uncalibrated Hydrological Model and Radar Rainfall Data in a Mediterranean Watershed Under Changing Hydrological Conditions. *Journal of Hydrology*, 394(1–2), 245–255. <https://doi.org/https://doi.org/10.1016/j.jhydrol.2010.03.021>
- Saputri, S. S., & Sudarmilah, E. (2019). Game Edukasi Mitigasi Bencana Banjir “Tirta Si Pejuang Banjir”. *Journal of Technology and Informatics(JoTI)*, 1(1), 10–19. <https://doi.org/https://doi.org/10.37802/joti.v1i1.4>
- Satria, B. A., & Putra, I. A. G. S. (2025). Klasifikasi Cuaca Berbasis Citra Menggunakan ConvNeXt. *Jurnal Nasional Teknologi Informasi Dan Aplikasinya*, 3(4), 805–814. <https://doi.org/https://doi.org/10.24843/JNATIA.2025.v03.i04.p10>

- Savitri, A., Indriawan, A. W., Wahyuni, S. E., & Darsono, S. (2015). Pengendalian Banjir Di Sungai Lusi Menggunakan Check Dam Kayu Di Sungai Orde 1 Dan 2. *Jurnal Karya Teknik Sipil*, 4(4), 85–95. <https://ejournal.undip.ac.id/index.php/index/index/profileJournal/220>
- Sholikah, A. S., Eunike Raffy Rustiana, & Yuniastuti, A. (2017). Faktor-faktor yang berhubungan dengan status gizi balita di pedesaan dan perkotaan. *Public Health Perspective Journal*, 2, 1–10. <http://journal.unnes.ac.id/sju/index.php/phpj%0D>
- Sholikha, D. E. Z., Sutoyo, & Rau, M. I. (2022). Pemodelan Sebaran Genangan Banjir Menggunakan HEC-RAS di Sub DAS Cisadane Hilir. *Jurnal Teknik Sipil Dan Lingkungan*, 7(2), 147–160. <https://doi.org/https://doi.org/10.29244/jsil.7.2.147-160>
- Shrestha, B., Sawano, H., Ohara, M., & Yamazaki, Y. (2018). Methodology for Agricultural Flood Damage Assessment. In *Flood Risk Management* (pp. 1–19). IntechOpen. <https://doi.org/https://doi.org/10.5772/intechopen.81011>
- Sidiq, W. A. B. N., Hanaf, F., Priakusuma, D., Haruman, W., Sumarso, M. Y., & Setyowati, N. (2022). Analisis Banjir Genangan di Kawasan Tembalang dan Sekitarnya. *Jurnal Riptek*, 16(2), 137–144. <https://doi.org/https://doi.org/10.35475/ripte.v16i2.159>
- Sodik, A. B., Riadi, B., Mahfudz, M., & Firmansyah, Y. (2025). Identifikasi Genangan Banjir Di Persawahan Menggunakan Citra Satelit Sentinel-1 (Studi Kasus : Kabupaten Demak Provinsi Jawa Tengah). *Jurnal Teknik*, 26(1), 25–29. <https://doi.org/https://doi.org/10.33751/teknik.v26i1.12312>
- Sriyono, Benardi, A. I., Putro, S., Nurropik, M., Yametis, J. V. G., & Rahmajati, J. P. (2024). Kajian Kesiapsiagaan Masyarakat Dalam Menghadapi Bencana Banjir Di Kabupaten Demak. *Indonesian Journal of Conservation*, 13(1), 42–49. <https://doi.org/https://doi.org/10.15294/ijc.v13i1.5406>
- Suab, S. A., Supe, H., Avtar, R., Dambul, R., & Chen, X. (2022). Detection and Mapping Of May 2021 Flood In Beaufort, Sabah Using Sentinel-1 SAR And Sentinel-2 Multispectral In Google Earth Engine. *IOP Conference Series: Earth and Environmental Science*, 1064, 1–12. <https://doi.org/10.1088/1755-1315/1064/1/012003>
- Sunarti, E., Erwini, H. M., Fadhlurrahman, Z., Marwiah, & Fithriyah, A. F. (2022). Damage, Loss, Economic Pressure, and Time Required For Family Asset Recovery of Garut Flash Flood Survivor. *IOP Conference Series: Earth and Environmental Science*, 989(1), 1–10. <https://doi.org/10.1088/1755-1315/989/1/012010>
- Supriyadi, S., & Malau, A. G. (2025). Clustering dengan Menggunakan K-Means

- untuk Analisa Dampak Banjir. *Indonesian Impression Journal (JII)*, 4(9), 3428–3436. <https://doi.org/https://doi.org/10.58344/jii.v4i9.6998>
- Surmaini, E., Runtunuwu, E., & Las, I. (2011). Upaya sektor Pertanian dalam Menghadapi Perubahan Iklim. *Jurnal Litbang Pertanian*, 30(1), 1–7. <https://doi.org/10.21082/JP3.V30N1.2011.P1-7>
- Suryawati, L., & Jata, L. (2021). Pengendalian Banjir Terhadap Sungai Jragung Dukuh Wangun Rejosari Kecamatan Karangawen Kabupaten Demak. *G-SMART*, 5(2), 104–111. <https://doi.org/https://doi.org/10.24167/gsmart.v5i2.3089>
- Syarifudin, M., & Utomo, K. S. (2020). Perbandingan Perkiraan Debit Puncak Banjir Menggunakan Metode Nakayasu dan Metode FSR Jawa Sumatera untuk DAS Dombo Sayung. *Reka Buana : Jurnal Ilmiah Teknik Sipil Dan Teknik Kimia*, 5(2), 135–146. <https://doi.org/https://doi.org/10.33366/rekabuana.v5i2.1894>
- Teng, J., Penton, D. J., Ticehurst, C., Sengupta, A., Freebairn, A., Marvanek, S., Vaze, J., Gibbs, M., Streeton, N., Karim, F., & Morton, S. (2022). A Comprehensive Assessment of Floodwater Depth Estimation Models in Semiarid Regions. *Water Resources Research*, 58(11). <https://doi.org/https://doi.org/10.1029/2022WR032031>
- Ulya, H., Lukitawati, L., Suryadi, Y., & Amrullah, M. F. (2023). Capacity Building Perempuan Terkait Literasi Mitigasi Bencana Di Kabupaten Demak. *Jurnal Dharma Indonesia*, 1(2), 70–77. <https://doi.org/https://doi.org/10.15294/jdi.v1i2.74597>
- UNDP. (2019). *Guidance For PDNA In Conflict Situations*.
- Walalayo, M., Vitianingsih, A. V., Maukar, A. L., Puspitarini, E. W., & Marissa, F. (2021). Web-Gis Kesesuaian Lahan Untuk Pengembangan Hutan Kota Menggunakan Metode Multi-Criteria Decision Making. *Rabit: Jurnal Teknologi Dan Sistem Informasi Univrab*, 6(2), 100–115. <https://doi.org/https://doi.org/10.36341/rabit.v6i2.1739>
- Weilandt, A. B., Sairam, N., Wagenaar, D., Shahi, K. R., Kreibich, H., Hamel, P., & Lallemand, D. (2026). Flood Damage Functions for Rice: Synthesizing Evidence and Building Data-Driven Models. *Nat. Hazards Earth Syst. Sci.*, 26(2), 925–942. <https://doi.org/https://doi.org/10.5194/nhess-26-925-2026>
- Wibowo, Y. A., Ronggowulan, L., Arif, D. A., Afrizal, R., Anwar, Y., & Fathonah, A. (2019). Perencanaan Mitigasi Bencana Banjir Non-Struktural Di Daerah Aliran Sungai Comal Hilir, Jawa Tengah. *JPIG (Jurnal Pendidikan Dan Ilmu Geografi)*, 4(2), 87–100. <https://doi.org/https://doi.org/10.21067/jpig.v4i2.3632>

- Wing, O. E. J., Pinter, N., Bates, P. D., & Kousky, C. (2020). New Insights Into US Flood Vulnerability Revealed From Flood Insurance Big Data. *Nature Communications*, 11(1), 1–10. <https://doi.org/https://doi.org/10.1038/s41467-020-15264-2>
- Xu, Z., Xiao, M., & Chen, J. (2024). Analysis of Characteristics of Underground Pipeline Detection by Co-Polarization And Cross-Polarization of Ground Penetrating Radar. *Journal of Physics: Conference Series*, 2887, 1–11. <https://doi.org/10.1088/1742-6596/2887/1/012061>
- Yametis, J. V. G., & Benardi, A. I. (2026). Multi-Parameter Flood Hazard Assessment Using a Spatial Approach in Demak Regency. *Jurnal Penelitian Geografi*, 14(1), 127–148. <https://doi.org/https://doi.org/10.23960/jpg.v14.i1.81>
- Zhang, S., Zhou, L., Liang, H., Obulkasim, O., & Dai, Y. (2026). Underestimated Agricultural Losses Due to Flooding. *Science Advances*, 12(16), 1–11. <https://doi.org/https://doi.org/10.1126/sciadv.aed2754>
- Zhao, J., Pelich, R., Hostache, R., Matgen, P., Cao, S., Wagner, W., & Chini, M. (2021). Deriving Exclusion Maps from C-Band SAR Time-Series in Support of Floodwater Mapping. *Remote Sensing of Environment*, 265, 112668. <https://doi.org/https://doi.org/10.1016/j.rse.2021.112668>

