

Daftar Pustaka

- Abbasi, M., Shah-Hosseini, R., & Aghdami-Nia, M. (2023). *Sentinel-1 Polarization Comparison for Flood Segmentation Using Deep Learning*. 14. <https://doi.org/10.3390/iecg2022-14069>
- Adiba, A., & Bioresita, F. (2023). Sentinel-1 SAR Polarization Combinations for Flood Inundation Spatial Distribution Mapping (Case Study: South Kalimantan). *IOP Conference Series: Earth and Environmental Science*, 1127(1). <https://doi.org/10.1088/1755-1315/1127/1/012009>
- Alawiyah, A. M. (2021). *Pemanfaatan Citra SAR (Synthetic Aperture Radar) Sentinel-1 Untuk Identifikasi Genangan Banjir Wilayah DKI Jakarta Pada Januari 2020*. Universitas Gadjah Mada.
- Ali, A. (2024). *Analisis Prediksi Lahan Kritis Terhadap Intensitas Urban Heat Island di Kabupaten Demak*. Universitas Islam Sultan Agung Semarang.
- Anugrahanto, N., & Firdaus, H. (2024). 22.000 Lebih Warga Mengungsi akibat Banjir di Demak, Beragam Bantuan Dibutuhkan. KOMPAS. <https://www.kompas.id/baca/nusantara/2024/03/18/22000-lebih-warga-mengungsi-akibat-banjir-demak-beragam-bantuan-dibutuhkan>
- Bereczky, M., Wieland, M., Krullikowski, C., Martinis, S., & Plank, S. (2022). Sentinel-1-Based Water and Flood Mapping: Benchmarking Convolutional Neural Networks Against an Operational Rule-Based Processing Chain. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 15, 2023–2036. <https://doi.org/10.1109/JSTARS.2022.3152127>
- BNPB. (2024). *Data dan Informasi Kebencanaan Bulanan Teraktual*. <https://bnpb.go.id/informasi-bencana/buletin-info%20bencana-februari-2024>
- Braun, A. (2020). *Sentinel-1 Toolbox SAR-based landcover classification with Sentinel-1 GRD products SAR-based land cover classification*. <https://skywatch.co>
- 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. <https://doi.org/10.22146/jgise.87585>
- CCRS. (2014). *Fundamentals of Remote Sensing*. In Canada Centre for Remote Sensing. <https://doi.org/10.2528/PIERB07110101>
- Chan, Y. K., & Koo, V. C. (2008). *An Introduction To Synthetic Aperture Radar (SAR)* (Vol. 2). <https://doi.org/10.2528/PIERB07110101>
- Chen, F., Zhang, M., Zhao, H., Guan, W., & Yang, A. (2024). Pakistan's 2022 floods: Spatial distribution, causes and future trends from Sentinel-1 SAR observations. *Remote Sensing of Environment*, 304. <https://doi.org/10.1016/j.rse.2024.114055>

- Clement, M. A., Kilsby, C. G., & Moore, P. (2018). Multi-temporal synthetic aperture radar flood mapping using change detection. *Journal of Flood Risk Management*, 11(2), 152–168. <https://doi.org/10.1111/jfr3.12303>
- Congalton, R. G. (2001). Accuracy assessment and validation of remotely sensed and other spatial information. *International Journal of Wildland Fire*, 10(3–4), 321–328. <https://doi.org/10.1071/wf01031>
- ESA. (2012). *Sentinel-1 : ESA's radar observatory mission for GMES operational services*. ESA Communications.
- ESA. (2015). *SAR Sentinel-1 User Guides Introduction*. <https://sentiwiki.copernicus.eu/web/sentinel-1>
- Filipponi, F. (2019). *Sentinel-1 GRD Preprocessing Workflow*. 11. <https://doi.org/10.3390/ecrs-3-06201>
- Flores-Anderson, A. I., Herndon, K. E., Thapa, R. B., & Cherrington, E. (2018). *THE SAR HANDBOOK Comprehensive Methodologies for Forest Monitoring and Biomass Estimation*. <https://doi.org/10.25966/nr2c-s697>
- Ghosh, B., Garg, S., Motagh, M., & Martinis, S. (2024). Automatic Flood Detection from Sentinel-1 Data Using a Nested UNet Model and a NASA Benchmark Dataset. *PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science*, 92(1), 1–18. <https://doi.org/10.1007/s41064-024-00275-1>
- Hoerig, B., & Kuehn, F. (2000). *Remote Sensing: An Overview of Physical Fundamentals* (hlm. 5–8). https://doi.org/10.1007/978-3-642-56978-4_2
- JAXA. (2024). *DETECTED FLOOD WATER IN CENTRAL JAVA PROVINCE, INDONESIA Map Product ALOS-2 VAP003*. <https://sentinel-asia.org/>
- Kasanah, N., Bashit, N., & Hadi, F. (2021). Analisis Lahan Sawah Tergenang Banjir Menggunakan Metode Change Detection Dan Pppm (Phenology And Pixel Based Paddy Rice Mapping) (Studi Kasus: Kabupaten Demak). Dalam *Jurnal Geodesi Undip Januari* (Nomor 10).
- Katiyar, V., Tamkuan, N., & Nagai, M. (2021). Near-real-time flood mapping using off-the-shelf models with sar imagery and deep learning. *Remote Sensing*, 13(12). <https://doi.org/10.3390/rs13122334>
- Kenranto, R. A., Hidayat, H., & Bioresita, F. (2024). Analisis Genangan Banjir Terhadap Penutup Lahan di Wilayah Tangerang Menggunakan Data Citra Sentinel-1 dan Sentinel-2. *JGISE: Journal of Geospatial Information Science and Engineering*, 7(1), 14. <https://doi.org/10.22146/jgise.87579>
- Kodoatie, R. (2013). *Rekayasa dan Manajemen Banjir Kota*. Andi Publisher.
- Lee, J.-S., & Pottier, E. (2009). *Polarimetric Radar Imaging: From Basics to Applications (Optical Science and Engineering)* (B. Thompson, Ed.). CRC Press Taylor & Francis Group.
- Liang, J., & Liu, D. (2020). A local thresholding approach to flood water delineation using Sentinel-1 SAR imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, 159, 53–62. <https://doi.org/10.1016/j.isprsjprs.2019.10.017>

- Liu, B., Li, X., & Zheng, G. (2019). Coastal Inundation Mapping From Bitemporal and Dual-Polarization SAR Imagery Based on Deep Convolutional Neural Networks. *Journal of Geophysical Research: Oceans*, 124(12), 9101–9113. <https://doi.org/10.1029/2019JC015577>
- McCormack, T., Campagna, J., & Naughton, O. (2022). A methodology for mapping annual flood extent using multi-temporal Sentinel-1 imagery. *Remote Sensing of Environment*, 282. <https://doi.org/10.1016/j.rse.2022.113273>
- Peraturan Kepala Badan Informasi Geospasial Nomor 8 tahun 2015. (2015). www.peraturan.go.id
- Putra, D. B., Suprayogi, A., & Sudarsono, B. (2019). Analisis Kerawanan Banjir Pada Kawasan Terbangun Berdasarkan Klasifikasi Indeks Ebbs (Enhanced Built-Up And Bareness Index) Menggunakan Sig (Studi Kasus Di Kabupaten Demak). Dalam *Jurnal Geodesi Undip Januari* (Vol. 8).
- Shen, X., Wang, D., Mao, K., Anagnostou, E., & Hong, Y. (2019). Inundation Extent Mapping by Synthetic Aperture Radar: A Review. *Remote Sensing*, 11(7), 879. <https://doi.org/10.3390/rs11070879>
- Sihaloho, P. P. (2024). *Analisis Cepat Kerugian Akibat Banjir Berdasarkan Tutupan Lahan di Kabupaten Demak*. Universitas Gadjah Mada.
- Singh, A., Bacchuwar, K., & Choubey, A. (2011). A Novel GA Based OCR Enhancement and Segmentation Methodology for Marathi Language in Bimodal Framework (hlm. 271–277). https://doi.org/10.1007/978-3-642-19403-0_47
- Styawan, A. (2024). *Banjir Demak terparah dalam 30 tahun terakhir*.
- Suleman, A., & Apsari, N. C. (2017). PERAN STAKEHOLDER DALAM MANAJEMEN BENCANA BANJIR. *Prosiding Penelitian Dan Pengabdian Kepada Masyarakat*, 53. <https://doi.org/https://doi.org/10.24198/jppm.v4i1.14210>
- Tan, J., Chen, M., Ao, C., Zhao, G., Lei, G., Tang, Y., Wang, B., & Li, A. (2022). Inducing flooding index for vegetation mapping in water-land ecotone with Sentinel-1 & Sentinel-2 images: A case study in Dongting Lake, China. *Ecological Indicators*, 144, 109448. <https://doi.org/10.1016/j.ecolind.2022.109448>
- Torres, R., Snoeij, P., Geudtner, D., Bibby, D., Davidson, M., Attema, E., Potin, P., Rommen, B. Ö., Floury, N., Brown, M., Traver, I. N., Deghaye, P., Duesmann, B., Rosich, B., Miranda, N., Bruno, C., L'Abbate, M., Croci, R., Pietropaolo, A., ... Rostan, F. (2012). GMES Sentinel-1 mission. *Remote Sensing of Environment*, 120, 9–24. <https://doi.org/10.1016/j.rse.2011.05.028>
- Twele, A., Cao, W., Plank, S., & Martinis, S. (2016). Sentinel-1-based flood mapping: a fully automated processing chain. *International Journal of Remote Sensing*, 37(13), 2990–3004. <https://doi.org/10.1080/01431161.2016.1192304>
- Utami, K. D. (2024, Februari). Banjir di Demak Belum Surut, Masa Tanggap Darurat Diperpanjang. *Kompas*. <https://www.kompas.id/baca/nusantara/2024/02/22/banjir-di-demak-belum-surut-masa-tanggap-darurat-diperpanjang>

- Zhuang, H., Wang, P., Hao, M., Fan, H., & Tan, Z. (2024). Flood inundation mapping in SAR images based on nonlocal polarization combination features. *Journal of Hydrology*, 646. <https://doi.org/10.1016/j.jhydrol.2024.132326>
- Zyl, J., & Kim, Y. (2010). *Synthetic Aperture Radar Polarimetry* (J. Yuen, Ed.). California Institute of Technology.