



DAFTAR PUSTAKA

- Alawiyah, A. M. (2021). Pemanfaatan Citra Sar (*Synthetic Aperture Radar*) Sentinel-1 Untuk Identifikasi Genangan Banjir. <http://etd.repository.ugm.ac.id/penelitian/detail/201468>
- Aminah, Krah, C., & Perdinan (2020). Forest fires and management efforts in Indonesia (a review). *IOP Conference Series: Earth and Environmental Science*, 504, 1-7. <https://doi.org/10.1088/1755-1315/504/1/012013>.
- Arrafi, M., Somantri, L., & Ridwana, R. (2022). Pemetaan Tingkat Keparahan Kebakaran Hutan dan Lahan Menggunakan Algoritma Normalized Burn Ratio (NBR) Pada Citra Landsat 8 di Kabupaten Muaro Jambi. *Jurnal Geosains Dan Remote Sensing*, 3(1), 10-19. <https://doi.org/10.23960/jgrs.2022.v3i1.68>.
- Baroroh, A., & Harintaka. (2021). Pemetaan Area Bekas Kebakaran Hutan dan Lahan Menggunakan Citra Landsat 8 Tahun 2018-2020 [Studi Kasus: Pulau Rupat, Bengkalis]. *Prosiding FIT ISI 2021 “SMART SURVEYOR IN THE NEW NORMAL ERA”*, 1, 73–80. <http://etd.repository.ugm.ac.id/penelitian/detail/205486>.
- Belgiu, M., & Drăguț, L. (2016). Random forest in remote sensing: A review of applications and future directions. *ISPRS Journal of Photogrammetry and Remote Sensing*, 114, 24-31. <https://doi.org/10.1016/j.isprsjprs.2016.01.011>.
- Blaschke, T., Lang, S., & Hay, G. J. (2008). Object-Based Image Analysis: Spatial Concepts for Knowledge-Driven Remote Sens. *Springer-Verlag Berlin Heidelberg*. 1–19. <https://doi.org/10.1007/978-3-540-77058-9>.
- BMKG. (2019, 29 Desember). Kilas Balik 2019: Kejadian Bencana Terkait Cuaca, Iklim, dan Gempabumi. Diakses pada 16 Juli 2024, dari <https://www.bmkg.go.id/Berita/?p=kilas-balik-2019-kejadian-bencana-terkait-cuaca-iklim-dan-gempabumi&lang=ID>.
- Chakravarty, S., Ghosh, S. K., Suresh, C. P., Dey, A. N., & Shukla, G. (2012). Deforestation: Causes, Effects and Control Strategies. *InTech*, 4-28. <https://doi.org/10.5772/33342>.
- Chang, K. T. (2019). Introduction To Geographic Information System (9th ed.). *McGraw Hill*.



- Coca, M., & Datcu, M. (2023). FPGA Accelerator for Meta-Recognition Anomaly Detection: Case of Burned Area Detection. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 16, 5247-5259. <https://doi.org/10.1109/JSTARS.2023.3273309>.
- De Kok, R., Schneider, T., Ammer, U. (1999). Object-Based Classification And Applications In The Alpine Forest Environment. *International Archives of Photogrammetry and Remote Sensing*, 32.
- El-Sheimy, N., Valeo, C., & Habib, A. (2005). Digital terrain modeling: Acquisition, manipulation, and applications. *Artech House Publishers*.
- Fajar, M. M., Rahmah, F. J., Atika, S. N., Saputro, R. A., Appandi, K., Alzira, R., Rudiana. (2024). Perbandingan Kebijakan Pemerintah Indonesia dan Thailand dalam Mengendalikan Kondisi Beras Akibat Fenomena El-Nino 2023. *Madani: Jurnal Ilmiah Multidisiplin*, 2(5). <https://doi.org/10.5281/zenodo.12605744>.
- Fathoni, M. N., Chulafak, G. A., & Kushardono, D. (2017). Kajian Awal Pemanfaatan Data Radar Sentinel-1 untuk Pemetaan Lahan Baku Sawah di Kabupaten Indramayu Jawa Barat. *Seminar Nasional Penginderaan Jauh Ke-4, October*, 179–186.
- Fauziah, A., Zuhdi, M., & Syarifuddin, H. (2024). Analisis Distribusi Asap Dampak Kebakaran Hutan dan Lahan di Provinsi Jambi. *Jurnal Pembangunan Berkelanjutan*, 6(2), 10-25. Diakses dari <https://online-journal.unja.ac.id/JPB/article/view/30262>.
- Filipponi, F. (2019) ‘Sentinel-1 GRD Preprocessing Workflow’, Proceedings, 18(1), p. 11. doi: 10.3390/ecrs-3-06201
- Flores-Anderson, A. I., Herndon, K. E., Thapa, R. B., & Cherrington, E. (2019). SAR Handbook: Comprehensive Methodologies for Forest Monitoring and Biomass Estimation. *THE SAR HANDBOOK Comprehensive Methodologies for Forest Monitoring and Biomass Estimation*, 1–307. <https://doi.org/10.25966/nr2cs697>.
- Humam, A., Hidayat, M., Nurrochman, A., Anestatia, A. I., Yuliantina, A., & Aji, S. P. (2020). Identifikasi Daerah Kerawanan Kebakaran Hutan dan Lahan Menggunakan Sistem Informasi Geografis dan Penginderaan Jauh di Kawasan Tanjung Jabung Barat Provinsi Jambi. *Jurnal Geosains Dan Remote Sensing*, 1(1), 32-42. <https://doi.org/10.23960/jgrs.2020.v1i1.14>.



- Iskandar, B., Hanafi, N., & Anshari, R. (2022). Kajian Pemantauan Perubahan Penutupan Lahan Berbasis Penginderaan Jauh di Kotawaringin Barat. *Jurnal Belantara*, 5(2), 210-218. <https://doi.org/10.29303/jbl.v5i2.866>.
- Janga, B., Asamani, G.P., Sun, Z., Cristea, N. (2023). A Review of Practical AI for Remote Sensing in Earth Sciences. *Remote Sens*, 15, 4112. <https://doi.org/10.3390/rs15164112>.
- Jensen, J. R. (2014). Remote Sensing of the Environment An Earth Resource Perspective (2nd ed.). Pearson.
- Kupidura, P. (2016). COMPARISON OF FILTERS DEDICATED TO SPECKLE SUPPRESSION IN SAR IMAGES. *ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*. XLI-B7. 269-276. <http://dx.doi.org/10.5194/isprs-archives-XLI-B7-269-2016>.
- Lee, H.-L., Kim, J.-S., Hong, C.-H., Cho, D.-K. (2021). Ensemble Learning Approach for the Prediction of Quantitative Rock Damage Using Various Acoustic Emission Parameters. *Appl. Sci.* 2021, 11, 4008. <https://doi.org/10.3390/app11094008>
- Lillesand, T., Kiefer, R. W., & Chipman, J. (2015). Remote Sensing and Image Interpretation (7th ed.). John Wiley & Sons.
- Maruddani, R. F., Somantri, L., & Panjaitan, F. (2024). ANALISIS SPASIAL PERUBAHAN TUTUPAN LAHAN PASCA KEBAKARAN HUTAN DAN LAHAN DI KABUPATEN MUARO JAMBI. *Jurnal Tanah Dan Sumberdaya Lahan*, 11(2), 443–453. <https://doi.org/10.21776/ub.jtsl.2024.011.2.15>.
- Pongdatu, D., & Bioresita, F. (2023). The Use of Sentinel-1 Radar Burn Difference for Forest Fire Area Identification in Palangka Raya, Indonesia. *IOP Publishing*. <https://doi.org/10.1088/1755-1315/1276/1/012003>.
- Purnomo, H., Okarda, B., Shantiko, B., Achdiawan, R., Dermawan, A., Kartodihardjo, H., & Dewayani, A. (2019). Forest and land fires, toxic haze and local politics in Indonesia. *Commonwealth Forestry Association*, 21(4), 486-500. <https://doi.org/10.1505/146554819827906799>.
- Rachmawati, P. S. (2023). Evaluasi Pemulihan Vegetasi Pasca Kebakaran Wilayah Kalimantan Barat Menggunakan Citra Sentinel-1 Sar Tahun 2019 dan 2022. <https://etd.repository.ugm.ac.id/penelitian/detail/230741>



- Rokhmatuloh, Ardiansyah, Indratmoko, S., Riyanto, I., Margatama, L., Arief, R. Burnt-Area Quick Mapping Method with Synthetic Aperture Radar Data. *Appl. Sci.* 2022, 12, 11922. <https://doi.org/10.3390/app122311922>.
- Rulian, N., Armijon, & Murdapa, F. (2021). Analisa Hamburan Balik Citra Sentinel-1 Untuk Pemantauan Kelas Umur Tanaman Kelapa Sawit (Studi Kasus: PT. Perkebunan Nusantara VII Unit Rejosari, Natar, Kabupaten Lampung Selatan). *Datum Journal of Geodesy and Geomatics*, 1(2), 55-65.
- Sarmiasih, M., & Pratama, P. Y. (2019). The Problematics Mitigation Of Forest And Land Fire District (Kerhutla) In Policy Perspective (A Case Study : Kalimantan And Sumatra In Period 2015-2019). *Journal of Governance and Public Policy*, 6(3), 272-292. <https://doi.org/10.18196/63113>.
- Soleh, M., & Arief, R. (2014). Analysis of Sar Main Parameters for Sar Sensor Design on Lsa. *International Journal of Remote Sensing and Earth Sciences*, 11(2), 85–96. <https://doi.org/http://dx.doi.org/10.30536/j.ijreses.2014.v11.a2606>.
- Sukojo, B. M., & Arimurti, A. S. P. (2021). Forest Fire Mapping using Normalized Burned Ratio and Cloud Computing to Calculate the Losses Incurred in Mount Lawu, Magetan Regency. *IOP Publishing*. <https://doi.org/10.1088/1755-1315/936/1/012002>.
- Syam'ani (2020). Capability of Sentinel-1 Synthetic Aperture Radar polarimetric change detection for burned area extraction in South Kalimantan, Indonesia. *IOP Publishing*. <https://doi.org/10.1088/1755-1315/500/1/012004>.
- Turner, B. L., Lambin, E., F. & Reenberg, A. (2007). The Emergence of Land Change Science for Global Environmental Change and Sustainability. *PNAS*. 104(52):1-8.
- Walter, V. (2004). Object-based classification of remote sensing data for change detection. *ISPRS Journal of Photogrammetry & Remote Sensing*, 58, 225–238. <https://doi.org/10.1016/j.isprsjprs.2003.09.007>.
- Widodo, R. B. (2014). Pemodelan Spasial Resiko Kebakaran Hutan (Studi Kasus Provinsi Jambi, Sumatera). *Jurnal Pembangunan Wilayah dan Kota*, 10(2), 127-138. <https://doi.org/10.14710/pwk.v10i2.7643>.