DAFTAR PUSTAKA

Ali, S. A. *(2021)* "*Sanitary landfill site selection by integrating AHP and FTOPSIS with GIS: A case study of Memari Municipality, India*." *Environ. Sci. Pollut. Res.* **28** (6), 7528–7550

Aldrian, E. and Susanto, D. (2003). *Identification of Three Dominant Rainfall Regions Within Indonesia and Their Relationship to Sea Surface Temperature*. Int. J. Climatol. 23. 1435-1452. http://doi.org/10.1002/joc.950.

Alemu, M. M. and Baweke, G. T. (2019). *Analysis of Spatial Variability and Temporal Trends of Rainfall in Amhara Region, Ethiopia.* Journal of Water and Climate Change. In press. http://doi.org/10.2166/wcc.2019.084.

Apriyana, Y., & Kailaku, T. E. (2015). *Variabilitas iklim dan dinamika waktu tanam padi di wilayah pola hujan monsunal dan equatorial Climate variability and dynamics of rice planting time in the monsoonal and equatorial region*. *1*(April), 366–372. https://doi.org/10.13057/psnmbi/

Ariska, M., Darmawan, A., Supari, S., Irfan, M., & Iskandar, I. (2023). *Analysis of the impact climate anomalies (ENSO and IOD) on environments based of computing in the Western Sumatera Region (Equatorial Region of Indonesia). Journal of Aceh Physics Society*, *12*(2), 12–18. https://doi.org/10.24815/jacps.v12i2.31167

Ayantika, D. C., Sumit, K. M., Krishnan, R., Vellore, R., & Guhathakurta, P. (2024). A mechanistic investigation into the unusual intensification of rainfall over Western India during the 2019 summer *monsoon. Atmospheric Research*, *299* (December 2023), 107209. https://doi.org/10.1016/j.atmosres.2023.107209

Badan Pusat Statistik (BPS). Katalog BPS diakses dari https://sumbar.bps.go.id/subject/151/iklim.html#subjekViewTab3 pada tanggal 8 Juli 2023 pada pukul 12.39

Bateman, I. J., Coombes, E., Fitzherbert, E., Binner, A., Bad'ura, T., Carbone, C., Fisher, B., Naidoo, R., & Watkinson, A. R. (2015). *Conserving tropical biodiversity via market forces and spatial targeting. Proceedings of the National Academy of Sciences of the United States of America*, 112(24), 7408–7413. https://doi.org/10.1073/pnas.1406484112

Boer, R. and Faqih, M. (2004). *Global Climate Forcing Factors and Rainfall Variability in West Java: Case Study in Bandung District*. J. Agromet 18(2). 1-12. https://doi.org/10.29244/j.agromet.18.2.1-12.

Cao, Y., Xu, C., Aziz, N. M., & Kamaruzzaman, S. N. (2023). BIM–GIS Integrated Utilization in Urban Disaster Management: The Contributions, Challenges, and Future Directions. Remote Sensing, 15(5), 1–35. https://doi.org/10.3390/rs15051331

Chen, F-W. and Liu, C-W. (2012*). Estimation of the spatial rainfall distribution using inverse distance weighting (IDW) in the middle of Taiwan. Paddy and Water Environment.* 10(3). 209–222. https://doi.org/10.1007/s10333-012-0319-1.

Cheng, X., Chen, S., Chen, W., & Hu, P. (2023). Observed impact of the Arctic Oscillation in boreal spring on the Indian Ocean Dipole in the following autumn and possible physical

processes. Climate Dynamics, 61(1), 883–902. https://doi.org/10.1007/s00382-022-06616-3

Dashti, S., Alyaa, N., Hazrin, B., Hoon, C., Lin, J., Chaplot, B., Feng, Y., El-shafie, A., & Najah, A. (2023). Assessing rainfall prediction models : Exploring the advantages of machine learning and remote sensing approaches. Alexandria Engineering Journal, 82(July), 16–25. https://doi.org/10.1016/j.aej.2023.09.060

Fournier, A., Martinez, A., & Iglesias, G. (2023). Science of the Total Environment Impacts of climate change on wind energy potential in Australasia and South-East Asia following the Shared Socioeconomic Pathways. Science of the Total Environment, 882(March), 163347. https://doi.org/10.1016/j.scitotenv.2023.163347

Gaur, S., Singh, R., Bandyopadhyay, A., & Singh, R. (2023). Diagnosis of GCM - RCM - driven rainfall patterns under changing climate through the robust

Gautam, V. K., Pande, C. B., Moharir, K. N., & Varade, A. M. (2023). Prediction of Sodium Hazard of Irrigation Purpose using Artificial Neural Network Modelling. 1–17.

Ghosal, S., Sengupta, S., Majumder, M., & Sinha, B. (2020). Prediction of the number of deaths in India due to SARS-CoV-2 at 5–6 weeks. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 14(4), 311–315. https://doi.org/10.1016/j.dsx.2020.03.017

Ghosh, K. G. (2018). *Analysis of Rainfall Trends and its Spatial Patterns During the Last Century over the Gangetic West Bengal, Eastern India. Journal of Geovisualization and Spatial Analysis.* 2(15). http://doi.org/10/1007/s41651-018-0022-x.

Guhathakurta, P., & Rajeevan, M. (2008). *Trends in the rainfall pattern over India. 1469* (November 2007), 1453–1469. https://doi.org/10.1002/joc

He, L., Shen, J. and Zhang, Y., (2018). *Ecological vulnerability assessment for ecological conservation and environmental management. Journal of environmental management*, *206*, pp.1115-1125.

Hermawan, E. (2010). *Pengelompokkan pola curah hujan yang terjadi di kawasan p. sumatera berbasis hasil analisis teknik spektral.*

Hidayat, T., & Saidy, R. (2023). *Challenge Climate And Its Impact On Rain Patterns In The Equatorial Region. 34*, 197–213.

Hijri, D. N. (2020). Spatial and temporal analysis of seasonal rainfall on the East Coast of North Sumatera, Indonesia. *Indonesian Journal of Geography*, *52*, 1–17.

Jaroszewicz, S., Mariani, M. C., Tweneboah, O. K., & Beccar-varela, M. P. (2024). Journal of Atmospheric and Solar – Terrestrial Physics Multifractal analysis of the Southern Oscillation Index. *Journal of Atmospheric and*

Lee, H. S. (2015). *General Rainfall Patterns in Indonesia and the Potential Impacts of Local Season Rainfall Intensity*. Water. 7. 1751-1768. https://doi.org/10.3390/w7041751.

López-Moreno, J.I., Pomeroy, J.W., Revuelto, J. and Vicente-Serrano, S.M., 2013. *Response of snow processes to climate change: spatial variability in a small basin in the Spanish Pyrenees. Hydrological Processes*, *27*(18), pp.2637-2650.

Ly, S., Charles, C., and Degré, A. (2011). *Geostatistical interpolation of daily rainfall at catchment scale: the use of several variogram models in the Ourthe and Ambleve*

catchments, Belgium. Hydrology and Earth System Sciences. 15(7). 2259–2274. https://doi.org/10.5194/ 41 hess-15-2259-2011.

Lyu, M., Xu, D., Zhang, X., & Yuan, Q. (2023). Maxillary sinus floor augmentation: a review of current evidence on anatomical factors and a decision tree. International Journal of Oral Science, 15(1), 1–9. https://doi.org/10.1038/s41368-023-00248-x

Marlier, M. E., Defries, R., Pennington, D., & Nelson, E. (2015). *Future fire emissions associated with projected land use change in Sumatra.* 345–362. https://doi.org/10.1111/gcb.12691

M Makky, Santosa, D Cherie, R E Putri, and A. H. (2021). *Chemical compounds identification of Rice cultivars in West* Sumatera *Chemical compounds identification of Rice cultivars in West* Sumatera. https://doi.org/10.1088/1755-1315/644/1/012012

Marzuki, M., Yusnaini, H., Ramadhan, R., & Muharsyah, R. (2024). *Diurnal cycle of precipitation over coastal sea and small islands in the eastern region of Sumatera including season and Madden Julian Oscillation signatures. Atmospheric Research, 299*(September 2023), 107180. https://doi.org/10.1016/j.atmosres.2023.107180

Millenia, Y. W., & Helmi, M. (2022). *Analisis Mekanisme Pengaruh IOD , ENSO dan Monsun terhadap Suhu Permukaan Laut dan Curah Hujan di Perairan Kepulauan Mentawai , Sumatera Barat.* Indonesian Journal of Geography *04*(04), 87–98.

Mohammed, A., Ibrahim, R., Naser, J., Omar, M., Najat, I., & Omar, Q. (2023). *Inverse distance weighted (IDW) and kriging approaches integrated with linear single and multi - regression models to assess particular physico - consolidation soil properties for Kirkuk city.* Modeling Earth Systems and Environment, 9(4), 3999–4021. https://doi.org/10.1007/s40808-023-01730-5

Mulyono. (2014). *Analisis Karakteristik Curah Hujan di Wilayah Kabupaten Garut Selatan.* Vol. 13, No. 1, pp. 1-9.

Nair, A., Ajith Joseph, K., & Nair, K. S. (2014). Spatio-temporal analysis of rainfall trends over a maritime state (Kerala) of India during the last 100 years. Atmospheric Environment, 88, 123–132. https://doi.org/10.1016/j.atmosenv.2014.01.061

Nugroho, B. D. A. (2015). *Relationships between Sea Surface Temperature (SST) and rainfall distribution pattern in South-Central Java, Indonesia.*

Pamungkas, B., Dwi, B., Nugroho, A., & Malik, A. R. (2024). Optimizing rice production through climate mitigation: a systematic literature review. International Seminars on Tropical Bioresources Advancement and Technology 2024, 01017, 1–10.

Pirone, D., Cimorelli, L., Giudice, G. Del, & Pianese, D. (2023). Short-term rainfall forecasting using cumulative precipitation fields from station data: a probabilistic machine learning approach. *Journal of Hydrology, 617*(PB), 128949. https://doi.org/10.1016/j.jhydrol.2022.128949

Plantak, L., Bonacci, O., & Nunno, F. Di. (2023). A Unique Approach to Hydrological Behavior along the Bednja. MDPI. https://doi.org/10.3390/w15030589

Prasetyo, B., Irwandi, H., & Pusparini, N. (2018). *Topografi Di Sumatera Utara. Variable Topography-Based Rainfall Characteristic in North Sumatera Intisari. 19*(1), 11–20.

Reddy, N., Ramu, D. A., Ratna, S. B., & Satish, P. (2024). Indian ocean warming , extreme positive Indian Ocean Dipole events , and their impact on monthly Indian *Monsoon* rainfall from June to November in NMME models. Atmospheric Research, 309(July), 107572. https://doi.org/10.1016/j.atmosres.2024.107572

Salhi, A., Martin-Vide, J., Benhamrouche, A., Benabdelouahab, S., Himi, M., Benabdelouahab, T., and Ponsati, A. C. (2019). *Rainfall distribution and trends of the daily precipitation concentration index in northern Morocco: a need for an adaptive environmental policy.* SN Applied Sciences. 1:277. https://doi.org/10.1007/s42452-019-0290-1.

Saunders, K., Stephenson, A. G., Taylor, P. G., and Karoly, D. (2017*). The spatial distribution of rainfall extremes and the influence of El Nino Southern Oscillation. Journal Weather and Climate Extremes.* 18. 17-28. http://doi.org/10.1016/j.wace.2017.10.001.

Shen, Y., & Yang, L. (2023). Divergent Urban Signatures in Rainfall Anomalies Explained by Pre-Storm Environment Contrast Geophysical Research Letters. https://doi.org/10.1029/2022GL101658

Sudira, P., (2014), *Bahan Ajar Mata Kuliah Klimatologi. Program Studi Magister Teknik Pertanian, Fakultas Teknologi Pertanian, Universitas Gadjah Mada.* Yogyakarta.

Suhaila, J. and Jemain, A. A. (2012). *Spatial Analysis of Daily Rainfall Intensity and Concentration Index in Peninsular Malaysia. Theor. Appl. Climatol*. 108. 235-245. http://doi.org/10.1007/s00704-011-0529-2.

Tanveer, M., Rajani, T., Rastogi, R., Shao, Y. H., & Ganaie, M. A. (2024). Comprehensive review on twin support vector machines. Annals of Operations Research, 339(3), 1223–1268. https://doi.org/10.1007/s10479-022-04575-w

Thomas, J., & Prasannakumar, V. (2016). Temporal analysis of rainfall (1871-2012) and drought characteristics over a tropical *monsoon*-dominated State (Kerala) of India. Journal of Hydrology, 534, 266–280. https://doi.org/10.1016/j.jhydrol.2016.01.013

Thakur, S., & Jayaram, D. (2024). Resilience in the Anthropocene: discourses of development, climate change, and security in South Asia. Current Opinion in Environmental Sustainability, 67, 101425. https://doi.org/10.1016/j.cosust.2024.101425

Tukidi (2010). *Karakter curah hujan di Indonesia. Jurnal Geografi*. 7(2). 136-145. Department 33 of Geography Universitas Negeri Semarang. https://doi.org/10/15294/jg.v7i2.84

Venkata Rao, G., Venkata Reddy, K., Srinivasan, R., Sridhar, V., Umamahesh, N. V., & Pratap, D. (2020). *Spatio-temporal analysis of rainfall extremes in the flood-prone Nagavali and Vamsadhara Basins in eastern India. Weather and Climate Extremes*, *29* (January), 100265. https://doi.org/10.1016/j.wace.2020.100265

Wang, F., Wang, Y., Zhang, K., Hu, M., Weng, Q., & Zhang, H. (2021). Spatial heterogeneity modeling of water quality based on random forest regression and model interpretation. Environmental Research, 202(June), 111660. https://doi.org/10.1016/j.envres.2021.111660

Xu, P., Ji, X., Li, M., & Lu, W. (2023). Small data machine learning in materials science. Npj Computational Materials, 9(1), 1–15. https://doi.org/10.1038/s41524-023-01000-z

Yang, X., Xie, X., Liu, D. L., Ji, F., and Wang, L. (2015). *Spatial Interpolation of Daily Rainfall Data for Local Climate Impact Assessment over Greater Sydney Region*. Advances in Meteorology. 2015. 12 pages. https://doi.org/10.1155/2015/563629

Yusnaini, H., Marzuki, M., Ramadhan, R., Ilham, R., Vonnisa, M., & Hashiguchi, H. (2024). Land-sea contrast of vertical structure of precipitation over Sumatera revealed by GPM DPR observations. *Atmospheric Research*, *309*(June), 107555. https://doi.org/10.1016/j.atmosres.2024.107555

Zeinivand, H. (2015). *Comparison of Interpolation Methods for Precipitation Fields Using the Physically Based and Spatially Distributed Model of River Runoff on the Example of the Gharesou Basin, Iran. Russian Meteorology and Hydrology*. 40(7). 480-488

Zhou, J., Dai, Y., Tao, M., Khandelwal, M., Zhao, M., & Li, Q. (2023). Results in Engineering Estimating the mean cutting force of conical picks using random forest with salp swarm algorithm. *Results in Engineering*, 17(July 2022), 100892. https://doi.org/10.1016/j.rineng.2023.100892