

DAFTAR PUSTAKA

- Allen, C. D., Macalady, A. K., Chenchouni, H., Bachelet, D., McDowell, N., Vennetier, M., Cobb, N. (2010). *A global overview of drought and heat-induced tree mortality reveals emerging climate change risks for forests*. *Forest Ecology and Management*, 259(4), 660–684.
- Badan Pusat Statistik. (2023). *Kota Kupang dalam Angka 2023*. BPS Kota Kupang.
- Breiman, L. (2001). *Random forests*. *Machine Learning*, 45, 5–32.
- Dayal, K. D. (2023). Drought Modelling Based on Artificial Intelligence and Neural Network Algorithms: A Case Study in Queensland, Australia. *The Science of the total environment*, 867.
- Dikshit, A. P. (2021). *Artificial Neural Networks in Drought Prediction in the 21st Century: A Scientometric Analysis*. *Applied Soft Computing*, 114.
- FAO. (2019). *The impact of drought on agriculture and food systems*. Food and Agriculture Organization.
- FAO. (2020). *Vegetation health monitoring using NDVI for drought assessment*. FAO Technical Paper.
- Gu, Y., Brown, J., Verdin, J., & Wardlow, B. (2007). A five-year analysis of MODIS NDVI and NDWI for grassland drought assessment over the central Great Plains of the United States. *Geophysical Research Letters*.
- Haag, S., Tarboton, D., Smith, M., & Shokoufandeh, A. (2020). Fast Summarizing Algorithm for Polygonal Statistics Over a Regular Grid. *Computers & Geosciences Volume 142*, 12-29.
- Hao, Z. H. (2017). An integrated package for drought monitoring, prediction and analysis to aid drought modeling and assessment. *Environ. Model. Softw.*, 91, 199-209.
- Khan, N. S. (2020). Prediction of droughts over Pakistan using *Machine Learning* algorithms. *Advances in Water Resources*, 139.
- Koroh, D.-J., Hidayati, N., & Widodo, W. (2017). *Perumusan Zonasi Bencana Kekeringan di Kabupaten Kupang*. Malang: Institut Teknologi Nasional Malang.

- Krishna, P. S., Krishna, B. Y., Nafisa, S., Sravani, T. R., Madhuri, J. R., & Vanditha, C. (2023). Prediction of Droughts using SPEI. *2023 IEEE 12th International Conference on Communication Systems and Network Technologies (CSNT)*, (hal. 839-845). Bhopal.
- Krisnayanti, D., Bunganaen, W., Frans, J., Seran, Y., & Legono, D. (2021). Curve Number Estimation for Ungauged Watershed in Semi-Arid Region. *Civil Engineering Journal*.
- Machairas, & Ven, v. d. (2023). An urban drought categorization framework and the vulnerability of a lowland city to groundwater urban droughts. *Natural Hazards*.
- Marelle, L., Myhre, G., Steensen, B., Hodnebrog, O., Alterskjær, K., & Sillmann, J. (2020). Urbanization in megacities increases the frequency of extreme precipitation events far more than their intensity. *Environmental Research Letters*.
- Mistry, P., & Suryanarayana, T. (2023). Assessment & Monitoring of Agricultural Drought Indices Using Remote Sensing Techniques and their Inter-Comparison. *Ecological Perspective*, 2-6.
- Ombudsman Republik Indonesia. (2021). *Laporan Krisis Air Bersih Kota Kupang dan Kabupaten Kupang 2019–2021*.
- Orimoloye, I., Ololade, O., Mazinyo, S., Kalumba, A., Ekundayo, O., Busayo, E., . . . Nel, W. (2019). Spatial assessment of drought severity in Cape Town area, South Africa. *Heliyon*, 1-9.
- Park, H. K. (2019). Prediction of Severe Drought Area Based on Random Forest: Using Satellite Image and Topography Data. *Water*, 12.
- Rahman, F., Sukmono, A., & Yuwono, B. (2017). Analisis Kekeringan Pada Lahan Pertanian Menggunakan Metode Nddi Dan Perka Bnpb Nomor 02 Tahun 2012 (Studi Kasus : Kabupaten Kendal Tahun 2015). *Jurnal Geodesi Undip*, 274-284.
- Renza, D., E, M., Arquero, A., & J, S. (2010). Drought Estimation Maps by Means of Multidate Landsat Fused Images. *Remote Sensing for Science, Education and Natural and Cultural Heritage* , 775-782.
- Sena, A., & Ebi, K. (2020). When Land Is Under Pressure Health Is Under Stress. *International Journal Of Environmental Research and Public Health*.

- Singla, S., & Eldawy, A. (2020). Raptor Zonal Statistics: Fully Distributed Zonal Statistics Of Big Raster + Vector Data. *IEEE International Conference on Big Data (Big Data)*, 571-580.
- Smirnov, O., Zhang, M., T, X., Orbell, J., A, L., & J, G. (2016). The relative importance of climate change and population growth for exposure to future extreme droughts. *Climatic Change*, 41–53.
- Sundararajan, K., Garg, L., Srinivasan, K., A, B., Kaliappan, J., Ganapathy, G., . . . Meena, T. (2021). A Contemporary Review on Drought Modeling Using *Machine Learning* Approaches. *Computer Modeling in Engineering & Sciences*.
- Verbeke, W., Dejaeger, K., Martens, D., Hur, J., & Baesens, B. (2012). New Insights into Churn Prediction in the Telecommunication Sector: A Profit-Driven Data Mining Approach. *European Journal of Operational Research*, 218(1), 211-229. doi:10.1016/j.ejor.2011.09.031
- Witten, I. H., Frank, E., & Hall, M. A. (2011). *Data Mining: Practical Machine Learning Tools and Techniques* (3rd ed.). Burlington: Morgan Kaufmann.
- World Bank. (2020). *Water Security and Drought Impact in Southeast Asia*. Washington, DC: World Bank Group.
- UNDRR. (2021). *Global Assessment Report on Disaster Risk Reduction*. United Nations Office for Disaster Risk Reduction.
- UNICEF. (2020). *NTT Water Crisis Assessment Report*. United Nations Children's Fund.
- Wu, J., & Chen, Y. (2017). Research of using RF model to drought forecast on Huaihe River. *IOP Conference Series: Earth and Environmental Science*, 82.
- Yap, B. W., Rani, K. A., Rahman, H. A., Fong, S., Khairudin, Z., & Abdullah, N. N. (2014). An Application of Oversampling, Undersampling, Bagging and Boosting in Handling Imbalanced Datasets. *Proceedings of the First International Conference on Advanced Data and Information Engineering (DaEng-2013)*. 285, hal. 13-22. Singapore: Springer. doi:10.1007/978-981-4585-18-7_2
- Zha, H., Miao, Y., Wang, T., Li, Y., Zhang, J., Sun, W., . . . Kusnierek, K. (2020). Improving Unmanned Aerial Vehicle Remote Sensing-

Based Rice Nitrogen Nutrition Index Prediction with *Machine Learning, Remote Sens.*

Zia, S., -u-Minallah, M., Tahir, M., & Hanif, A. (2022). Impact Assessment of Urban Built-up Area on Groundwater Level of District Faisalabad, Pakistan. *International Journal of Economic and Environmental Geology*, 33-36.