

## DAFTAR PUSTAKA

- Adeola, O. M., Masinde, M., Botai, J. O., Adeola, A. M., & Botai, C. M. (2021). *An Analysis of Precipitation Extreme Events Based on the SPI and EDI Values in the Free State Province, South Africa*.
- Aldrian, E., & Dwi Susanto, R. (2003). Identification of three dominant rainfall regions within Indonesia and their relationship to sea surface temperature. *International Journal of Climatology*, 23(12), 1435–1452. <https://doi.org/10.1002/joc.950>
- Allen, R. G. (2006). *FAO Irrigation and Drainage Paper Crop by*. 56.
- Angelidis, P., Maris, F., Kotsovinos, N., & Hrissanthou, V. (2012). Computation of Drought Index SPI with Alternative Distribution Functions. *Water Resources Management*, 26(9), 2453–2473. <https://doi.org/10.1007/s11269-012-0026-0>
- Byun, H.-R., Wilhite, D. . (1999). *Objective Quantification of Drought Severity and Duration. 1980*, 2747–2756.
- Carolina, N., Branch, M., Division, S. S., & Climatic, N. (2002). *Century Drought Indices Used in the United States. August*, 1149–1165.
- Climate, J. O. F., & Dei, A. (2009). *A Multiscalar Drought Index Sensitive to Global Warming : The Standardized Precipitation Evapotranspiration Index*. 1696–1718. <https://doi.org/10.1175/2009JCLI2909.1>
- Costa, A. C., & Soares, A. (2009). Homogenization of climate data: Review and new perspectives using geostatistics. *Mathematical Geosciences*, 41(3), 291–305. <https://doi.org/10.1007/s11004-008-9203-3>
- Ekhtiari, S., & Dinpashoh, Y. (2019). Application of effective drought index (EDI) in characterizing drought periods (case study: Tabriz, Bandar-e Anzali and Zahedan stations). *Sustainable Water Resources Management*, 5(4), 1723–1729. <https://doi.org/10.1007/s40899-019-00315-4>
- Gebrechorkos, S. H., Peng, J., Dyer, E., Miralles, D. G., Vicente-Serrano, S. M., Funk, C., Beck, H. E., Asfaw, D. T., Singer, M. B., & Dadson, S. J. (2023). Global high-resolution drought indices for 1981-2022. *Earth System Science Data*, 15(12), 5449–5466. <https://doi.org/10.5194/essd-15-5449-2023>
- Harto, S. (1994). *Sri Harto Br., 1944-. (). Analisis hidrologi / Sri Harto Br.*
- Ikechukwu, M. N., Ebinne, E., Idorenyin, U., & Raphael, N. I. (2017). *Accuracy Assessment and Comparative Analysis of IDW, Spline and Kriging in Spatial Interpolation of Landform ( Topography ) : An Experimental Study*. 354–371. <https://doi.org/10.4236/jgis.2017.93022>
- Isia, I., Hadibarata, T., Jusoh, M. N. H., Bhattacharjya, R. K., Shahedan, N. F., Bouaissi, A., Fitriyani, N. L., & Syafrudin, M. (2022). Drought Analysis Based on Standardized Precipitation Evapotranspiration Index and Standardized Precipitation Index in Sarawak, Malaysia. *Sustainability*, 15(1), 734. <https://doi.org/10.3390/su15010734>



- Kirono, D. G. C., Tapper, N. J., & McBride, J. L. (1999). Documenting Indonesian rainfall in the 1997/1998 EL Niño event. *Physical Geography*, 20(5), 422–435. <https://doi.org/10.1080/02723646.1999.10642687>
- Li, Z., Yang, D., Gao, B., Jiao, Y., Hong, Y., & Xu, T. (2015). Multiscale Hydrologic Applications of the Latest Satellite Precipitation Products in the Yangtze River Basin using a Distributed Hydrologic Model. *Journal of Hydrometeorology*, 16(1), 407–426. <https://doi.org/10.1175/JHM-D-14-0105.1>
- Loukas, A., & Vassiliades, L. (2004). Probabilistic analysis of drought spatiotemporal characteristics in Thessaly region, Greece. *Natural Hazards and Earth System Sciences*, 4(5/6), 719–731. <https://doi.org/10.5194/nhess-4-719-2004>
- Mahmoudi, P., Rigi, A., & Miri Kamak, M. (2019). A comparative study of precipitation-based drought indices with the aim of selecting the best index for drought monitoring in Iran. *Theoretical and Applied Climatology*, 137(3–4), 3123–3138. <https://doi.org/10.1007/s00704-019-02778-z>
- McKee, T.B., Doesken, N.J. and Kleist, J. (1993). *The Relationship of Drought Frequency and Duration to Time Scales. 8th Conference on Applied Climatology, Anaheim, 17-22 January 1993, 179-184.*
- Najma Nindya Utami, S., Hernandi Virgianto, R., & Akbar, D. (2021). Analysis of Relationship Between Meteorological Drought and Standardized Vegetation Index on Lombok Island. *Jurnal Sains & Teknologi Modifikasi Cuaca*, 22(2), 41–49. <https://ejournal.brin.go.id/JSTMC/article/download/1183/631/4524>
- Nandini, R., & Kusumandari, A. (2022). Land Use Improvement as the Drought Mitigation to Manage Climate Change in the Dodokan Watershed, Lombok, Indonesia. *Land*, 11(7). <https://doi.org/10.3390/land11071060>
- Nurlatifah, A., & Wulandari, E. P. (2019). Analysis of Rainfall Conditions Over Nusa Tenggara Barat During El Niño Events Based on Trmm Data (Analisis Kondisi Curah Hujan Di Nusa Tenggara Barat Selama Terjadinya El Niño Berdasarkan Data Trmm). *Jurnal Sains Dirgantara*, 17 No.1, 4960–60. <https://disc.gsfc.nasa.gov/SSW/#>
- Nuryadi. (2016). *Variabilitas Musim Hujan Terkait Suhu Muka Laut Samudera Pasifik (Wilayah Nino 3.4) di Zona Musim Nusa Tenggara Barat.* 59–68. <http://www.bom.gov.au/climate/enso/history/ln-2010-12/three-phases-ofENSO.shtml>,
- Rahmi, K. I. N., & Dimiyati, M. (2021). Remote sensing and GIS application for monitoring drought vulnerability in Indonesia: A review. *Bulletin of Electrical Engineering and Informatics*, 10(6), 3507–3518. <https://doi.org/10.11591/eei.v10i6.3249>
- Sabuna, F. H., Hidayati, R., Santikayasa, I. P., & Taufik, M. (2022). Drought Events in Western Part of Timor Island Indonesia. *Agromet*, 36(1), 11–20. <https://doi.org/10.29244/j.agromet.36.1.11-20>
- Saidah, H., Budianto, M. B., & Hanifah, L. (2017). *ANALISA INDEKS DAN SEBARAN KEKERINGAN MENGGUNAKAN METODE STANDARDIZED PRECIPITATION INDEX (SPI) DAN GEOGRAPHICAL INFORMATION SYSTEM (GIS) UNTUK PULAU LOMBOK INDEX ANALYSIS AND DROUGHT SPREADING USING STANDARDIZED PRECIPITATION INDEX (SPI) AND GEOGRA.* 5(2), 173–179.



- Salimi, H., Asadi, E., & Darbandi, S. (2021). Meteorological and hydrological drought monitoring using several drought indices. *Applied Water Science*, *11*(2), 1–10. <https://doi.org/10.1007/s13201-020-01345-6>
- Stagge, J. H., Kingston, D. G., Tallaksen, L. M., & Hannah, D. M. (2017). Observed drought indices show increasing divergence across Europe. *Scientific Reports*, *7*(1). <https://doi.org/10.1038/s41598-017-14283-2>
- Stagge, J. H., Tallaksen, L. M., Gudmundsson, L., Van Loon, A. F., & Stahl, K. (2015). Candidate Distributions for Climatological Drought Indices (SPI and SPEI). *International Journal of Climatology*, *35*(13), 4027–4040. <https://doi.org/10.1002/joc.4267>
- Tirivarombo, S., Osupile, D., & Eliasson, P. (2018). Drought monitoring and analysis : Standardised Precipitation Evapotranspiration Index ( SPEI ) and Standardised Precipitation Index ( SPI ). *Physics and Chemistry of the Earth*, *106*(July), 1–10. <https://doi.org/10.1016/j.pce.2018.07.001>
- Van Loon, A. F. (2015). Hydrological drought explained. *WIREs Water*, *2*(4), 359–392. <https://doi.org/10.1002/wat2.1085>
- Vélez-nicolás, M., García-lópez, S., Ruiz-ortiz, V., Zazo, S., & Molina, J. L. (2022). Precipitation Variability and Drought Assessment Using the SPI: Application to Long-Term Series in the Strait of Gibraltar Area. *Water (Switzerland)*, *14*(6). <https://doi.org/10.3390/w14060884>
- Vicente-Serrano, S. M., Beguería, S., & López-Moreno, J. I. (2010). A Multiscalar Drought Index Sensitive to Global Warming: The Standardized Precipitation Evapotranspiration Index. *Journal of Climate*, *23*(7), 1696–1718. <https://doi.org/10.1175/2009JCLI2909.1>
- Wambua, R. M., Mutua, B. M., & Raude, J. M. (2018). *Detection of Spatial , Temporal and Trend of Meteorological Drought Using Standardized Precipitation Index ( SPI ) and Effective Drought Index ( EDI ) in the Upper Tana River Basin , Kenya*. 83–100. <https://doi.org/10.4236/ojmh.2018.83007>
- Wang, L., Jia, B., Xie, Z., Wang, B., Liu, S., Li, R., Liu, B., Wang, Y., & Chen, S. (2022). Impact of groundwater extraction on hydrological process over the Beijing-Tianjin-Hebei region, China. *Journal of Hydrology*, *609*, 127689. <https://doi.org/10.1016/j.jhydrol.2022.127689>
- White, D. a. (2010). Quantification of Agricultural Drought for Effective Drought Mitigation and Preparedness: Key Issues and Challenges. *Agricultural Drought Indices Proceedings of a WMO Expert Meeting Held in Murcia, Spain, June*, 15.
- Wilhite, D. A., Glantz, M. H., & And Glantz, M. H. (1985). Glantz,1987. *Understanding the Drought Phenomenon: The Role of Definitions*. <http://digitalcommons.unl.edu/droughtfacpub%0AWilhite>,
- WMO. (2016). *Handbook of Drought Indicators and Indices*.
- World Meteorological Organization (WMO). (2012). *Standardized Precipitation Index User Guide*. World Meteorological Organization (WMO). <https://library.wmo.int/idurl/4/39629>
- Yaman, F., Emre, Ö., & Hasan, Ö. (2024). Comparative analysis of SPI , SPEI , and RDI



indices for assessing spatio - temporal variation of drought in Türkiye. In *Earth Science Informatics*. Springer Berlin Heidelberg. <https://doi.org/10.1007/s12145-024-01401-8>

Yildirim, G., & Rahman, A. (2022). Homogeneity and trend analysis of rainfall and droughts over Southeast Australia. *Natural Hazards*, 112(2), 1657–1683.  
<https://doi.org/10.1007/s11069-022-05243-9>

Zotarelli, L., Dukes, M. D., Romero, C. C., Migliaccio, K. W., & Kelly, T. (2013). *Step by Step Calculation of the Penman-Monteith Evapotranspiration (FAO-56 Method)* 1. 1–10.