

DAFTAR PUSTAKA

- Adhyani, N. L., June, T., & Sopaheluwakan, A. (2017). Exposure to Drought : Duration, Severity and Intensity (Java, Bali and Nusa Tenggara). *Earth and Environmental Science*, 26(2), 1–15. <https://doi.org/10.1088/1755-1315/5>
- Alvalá, R. C. D. S., Cunha, A. P. M. A., Brito, S. S. B., Seluchi, M. E., Marengo, J. A., Moraes, O. L. L., & Carvalho, M. A. (2019). Drought monitoring in the Brazilian semiarid region. *Anais Da Academia Brasileira de Ciencias*, 91, 1–15. <https://doi.org/10.1590/0001-3765201720170209>
- Blauhut, V. (2020). The triple complexity of drought risk analysis and its visualisation via mapping: a review across scales and sectors. *Earth-Science Reviews*, 210(September), 103345. <https://doi.org/10.1016/j.earscirev.2020.103345>
- BPS. (2019). *LUAS PANEN DAN PRODUKSI PADI DI INDONESIA 2019: (Hasil Kegiatan Pendataan Statistik Pertanian Tanaman Pangan Terintegrasi dengan Metode Kerangka Sampel Area)*
- Cai, Y., Jin, C., Wang, A., Guan, D., Wu, J., Yuan, F., & Xu, L. (2015). Spatio-temporal analysis of the accuracy of tropical multisatellite precipitation analysis 3b42 precipitation data in mid-high latitudes of China. *PLoS ONE*, 10(4), 1–22. <https://doi.org/10.1371/journal.pone.0120026>
- Falah, F., & Purwanto. (2019). *Kelembagaan Mitigasi Kekeringan di Kabupaten Grobogan. Mitigation*, 151–172.
- Gebremeskel, G., Tang, Q., Sun, S., Huang, Z., Zhang, X., & Liu, X. (2019). Droughts in East Africa: Causes, impacts and resilience. *Earth-Science Reviews*, 193(June 2018), 146–161. <https://doi.org/10.1016/j.earscirev.2019.04.015>
- Ghorbani, M. A., Kazempour, R., Chau, K. W., Shamshirband, S., & Ghazvinei, P. T. 2018. Forecasting pan evaporation with an integrated artificial neural network quantum-behaved particle swarm optimization model: A case study in talesh, northern Iran. *Engineering Applications of Computational Fluid Mechanics*, 12(1), 724–737. <https://doi.org/10.1080/19942060.2018.1517052>
- Gineung Pratidina, Suroso, and P.B Santoso, (2019). Detection of satellite data-based flood-prone areas using logistic regression in the central part of Java Island. *Journal of Physics: Conference Series (Vol. 1367, No. 1, p. 012086)*. IOP Publishing

- Gurrapu, S., Chipanshi, A., Sauchyn, D., & Howard, A. (2014). Comparison of the SPI and SPEI on predicting drought conditions and streamflow in the Canadian prairies. 28th Conference on Hydrology and the 26th Conference on Climate Variability and Change, (2010), 7.
- Guttman NB. (1999). Accepting the Standardized Precipitation Index: a calculation algorithm. *J. Am. Water Resour. Assoc.* 35: 311–322.
- Holden, Z. A., Jolly, W. M., Swanson, A., Warren, D. A., Jencso, K., Maneta, M., Landguth, E. L. (2019). A Topographically resolved wildfire danger and drought monitoring system for the conterminous United States. *Bulletin of the American Meteorological Society*, 100(9), 1607–1613. <https://doi.org/10.1175/BAMS-D-18-0178.1>
- Irwansyah, E. (2013). *SISTEM INFORMASI GEOGRAFIS: Prinsip Dasar dan Pengembangan Aplikasi*. Yogyakarta: Digibooks.
- Khasanah, F., Damayanti, A., Pin, T., Geografi, D., Mipa, F., Indonesia, U., & Depok, K. U. I. (2017). Pola Spasial Bahaya Kekeringan di Kabupaten Cilacap. *Industrial Research Workshop and National Seminar Politeknik Negeri Bandung*, 1–8.
- Lloyd-Hughes B, Saunders MA. (2002). A drought climatology for Europe. *Int. J. Climatol.* 22: 1571–1592.
- Martens, B., Miralles, D.G., Lievens, H., Fernández-Prieto, D. and Verhoest, N.E.C. 2016. Improving terrestrial evaporation estimates over continental Australia through assimilation of SMOS soil moisture, *International Journal of Applied Earth Observation and Geoinformation*, 48, 146–162, doi: 10.1016/j.jag.2015.09.012
- Martens, B., Miralles, D. G., Lievens, H., Van Der Schalie, R., De Jeu, R. A. M., Fernández-Prieto, D., ... Verhoest, N. E. C. (2017). GLEAM v3: Satellite-based land evaporation and root-zone soil moisture. *Geoscientific Model Development*, 10(5), 1903–1925. <https://doi.org/10.5194/gmd-10-1903-2017>
- McKee, T. B., Doesken, N. J., & Kleist, J., (1993). The relationship of drought frequency and duration to time scales. In *Proceedings of the 8th Conference on Applied Climatology*. Vol. 17, No. 22, pp. 179-183.
- Monish, N. T., & Rehana, S. (2020). Suitability of distributions for standard precipitation and evapotranspiration index over meteorologically homogeneous zones of India. *Journal of Earth System Science*, 129(1). <https://doi.org/10.1007/s12040-019-1271-x>
- Muhammad Ikbal Hidayat Jati, Suroso, and Purwanto Bakti Santoso, (2019). Prediction of flood areas using the logistic regression method (case study of the provinces Banten, DKI

- Jakarta, and West Java). *Journal of Physics: Conference Series* (Vol. 1367, No. 1, p. 012087). IOP Publishing
- Mursidi, A. (2017). Management of Disaster Drought in Indonesia. *Jurnal Terapan Manajemen Dan Bisnis*, 3(2), 165. <https://doi.org/10.26737/jtmb.v3i2.273>
- Nam, W. H., Hayes, M. J., Svoboda, M. D., Tadesse, T., & Wilhite, D. A. (2015). Drought hazard assessment in the context of climate change for South Korea. *Agricultural Water Management*, 160, 106–117. <https://doi.org/10.1016/j.agwat.2015.06.029>
- Pang, J., Zhang, H., Xu, Q., Wang, Y., Wang, Y., Zhang, O., & Hao, J. (2020). Hydrological evaluation of open-access precipitation data using SWAT at multiple temporal and spatial scales. *Hydrology and Earth System Sciences*, 24(7), 3603–3626. <https://doi.org/10.5194/hess-24-3603-2020>
- Peng, J., Dadson, S., Hirpa, F., Dyer, E., Lees, T., Miralles, D. G., Funk, C. 2020. A pan-African high-resolution drought index dataset. *Earth System Science Data*, 12(1), 753–769. <https://doi.org/10.5194/essd-12-753-2020>
- Rusli, S. R. (2017). *Jurnal Teknik Sumber Daya Air*. 3(2).
- Shahid, M., & Rahman, K. U. (2020). Identifying the Annual and Seasonal Trends of Hydrological and Climatic Variables in the Indus Basin Pakistan. *Asia-Pacific Journal of Atmospheric Sciences*, (Melillo 2014). <https://doi.org/10.1007/s13143-020-00194-2>
- Shamshirband, S., Hashemi, S., Salimi, H., Samadianfard, S., Asadi, E., Shadkani, S. Chau, K. W. (2020). Predicting Standardized Streamflow index for hydrological drought using machine learning models. *Engineering Applications of Computational Fluid Mechanics*, 14(1), 339–350. <https://doi.org/10.1080/19942060.2020.1715844>
- Shawul, A. A., & Chakma, S. (2020). Suitability of global precipitation estimates for hydrologic prediction in the main watersheds of Upper Awash basin. *Environmental Earth Sciences*, 79(2), 1–18. <https://doi.org/10.1007/s12665-019-8801-3>
- Sienz F, Bothe O, Fraedrich K. (2012). Monitoring and quantifying future climate projections of dryness and wetness extremes: SPI bias. *Hydrol. Earth Syst. Sci.* 16: 2143–2157.
- 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>
- Stampfli, A., Bloor, J. M. G., Fischer, M., & Zeiter, M. (2018). High land-use intensity exacerbates shifts in grassland vegetation composition after severe experimental drought. *Global Change Biology*, 24(5), 2021–2034. <https://doi.org/10.1111/gcb.14046>

- Sun, Q., Miao, C., Duan, Q., Ashouri, H., Sorooshian, S., & Hsu, K. L. (2018). A Review of Global Precipitation Data Sets: Data Sources, Estimation, and Intercomparisons. *Reviews of Geophysics*, 56(1), 79–107. <https://doi.org/10.1002/2017RG000574>
- Surmaini, E. (2016). Pemantauan dan Peringatan Dini Kekeringan Pertanian di Indonesia. *Pemantauan Dan Peringatan Dini Kekeringan Pertanian Di Indonesia*, 10(1), 37–50. <https://doi.org/10.2018/jsdl.v10i1.6320>
- Surmaini, E., Hadi, T. W., Subagyo, K., & Puspito, N. T. (2014). Penentuan Nilai Ambang Curah Hujan untuk Deteksi Dini Kekeringan pada Tanaman Padi Sawah : Studi Kasus Provinsi Jawa Barat dan Sulawesi Selatan Rainfall Threshold Assessment for Early Detection of Drought on Rice Paddies : Case Study in West Java and Sout. 79–87.
- Suseno, W. (2016). Pola kekeringan Pertanian di Pulau Jawa. Departemen Geografi FMIPA Universitas Indonesia.
- Susetyaningsih, A. (2012). Pengaturan Penggunaan Lahan di Daerah Hulu DAS Cimanuk Sebagai Upaya Optimalisasi Pemanfaatan Sumberdaya Air. *Konstruksi*, 10, 1–8.
- Syaifulloh, M. D. (2014). Validasi Data Trmm Terhadap Data Curah Hujan Aktual Di Tiga Das Di Indonesia. *Jurnal Meteorologi Dan Geofisika*, 15(2), 109–118. <https://doi.org/10.31172/jmg.v15i2.180>
- 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, 1–10. <https://doi.org/10.1016/j.pce.2018.07.001>
- Tri Umiati, Suroso, and Ardiansyah, (2019). Spatial analysis and monitoring of drought using Standardized Precipitation Index in East Java. *Journal of Physics: Conference Series* (Vol. 1367, No. 1, p. 012088). IOP Publishing
- Trnka M, Dubrovský M, Svoboda M, Semerádová D, Hayes M, Žalud Z, Wilhite D (2009) Developing a regional drought climatology for the Czech Republic. *Int J Climatol* 29:863–883
- Tukidi. (2010). Karakter Curah Hujan Di Indonesia. *Jurnal Geografi*, 7(2), 136–145. <https://doi.org/10.15294/jg.v7i2.84>
- Vicente-Serrano, S.M., Begueria, S. & Lopez-Moreno, J.I. (2010). A Multiscalar Drought Index Sensitive to Global Warming: the Standardized Precipitation Evapotranspiration Index. *J. Clim.* 23, 1696–1718.

- Wang, H., & Asefa, T. (2019). Drought monitoring, mitigation, and adaptation. In *Extreme Hydrology and Climate Variability: Monitoring, Modelling, Adaptation and Mitigation*. <https://doi.org/10.1016/B978-0-12-815998-9.00036-1>
- Wang, L., Yu, H., Yang, M., Yang, R., Gao, R., & Wang, Y. (2019). A drought index: The standardized precipitation evapotranspiration runoff index. *Journal of Hydrology*, 571(March 2018), 651–668. <https://doi.org/10.1016/j.jhydrol.2019.02.023>
- World Bank. (2019). *Indonesia Economic Quarterly, December 2019: Investing in People*. World Bank.
- World Meteorological Organization, 2012. *Standardized precipitation index user guide* (M.Svoboda, M. Hayes and D. Wood). WMO-No: 1090, Geneva, Switzerland.
- Wu H, Svoboda MD, Hayes MJ, Wilhite DA, Wen F. (2007). Appropriate application of the standardized precipitation index in arid locations and dry seasons. *Int. J. Climatol.* 27: 65–79.
- Xie, P., Chen, M., & Shi, W. (2010). CPC unified gauge-based analysis of global daily precipitation. In *Preprints, 24th Conf. on Hydrology*, Atlanta, GA, Amer. Meteor. Soc (Vol. 2).
- Zhang, Y., Wang, J., Shen, Z., & Xie, X. (2019). Evolution Characteristics of Seasonal Drought in Hunan Based on the Standardized Precipitation Index (SPI). 2, 56–64. <https://doi.org/10.23977/geors.2019.21004>

