

- Abramowitz, M. dan Stegun, I. A., 1965, *Handbook of Mathematical Functions: With Formulas, Graphs, and Mathematical Tables*, Applied mathematics series, Dover Publications
- Aldrian, E. dan Dwi Susanto, R., 2003, Identification of three dominant rainfall regions within Indonesia and their relationship to sea surface temperature, *International Journal of Climatology*, Vol. 23, no. 12, pp 1435–1452
- Ali dan hafi, 2021, Standardized Precipitation Index (SPI) in North Libya and connection with North Atlantic Oscillation (NAO).-14-QUANTUM JOURNAL OF ENGINEERING:, diakses pada SCIENCE AND TECHNOLOGY pada www.qjoest.com
- Bellenger, H., Guilyardi, E., Leloup, J., Lengaigne, M., dan Vialard, J., 2014, ENSO representation in climate models: from CMIP3 to CMIP5, *Climate Dynamics*, Vol. 42, no. 7–8, pp 1999–2018
- Bergman, K. H., P. Sabol, dan D. Miskus, 1988, Experimental Indices for Monitoring Global Drought Conditions, *Proceedings of 13th Annual Climate Diagnostics Workshop*, Advance Access published 1988
- Bjerknes, J., 1969, ATMOSPHERIC TELECONNECTIONS FROM THE EQUATORIAL PACIFIC:, diakses pada MONTHLY WEATHER REVIEW
- Bloomfield, J. P. dan Marchant, B. P., 2013, Analysis of groundwater drought building on the standardised precipitation index approach, *Hydrology and Earth System Sciences*, Vol. 17, no. 12, pp 4769–4787
- Blöschl, G., Sivapalan, M., Wagener, T., Viglione, A., dan Savenije, H. (ed.), 2013, *Runoff Prediction in Ungauged Basins*, Cambridge University Press
- BMKG, 2021, *Peta Rata-rata Curah Hujan Tahunan di Indonesia*
- Brutsaert, W., 2005, *Hydrology*, Cambridge University Press
- Burrough, P. A., 1986, Principles of geographical information systems for land resources assessment, *Geocarto International*, Vol. 1, no. 3, pp 54–54
- Cai, W., Zheng, X.-T., Weller, E., Collins, M., Cowan, T., Lengaigne, M., Yu, W., dan Yamagata, T., 2013, Projected response of the Indian Ocean Dipole to greenhouse warming, *Nature Geoscience*, Vol. 6, no. 12, pp 999–1007
- Cohen, J., Cohen, P., West, S. G., dan Aiken, L. S., 2013, *Applied Multiple Regression/Correlation Analysis for the Behavioral Sciences*, Taylor & Francis
- Edwards, D. C., 1997, Thesis Characteristics Of 20th Century Drought in The United States At Multiple Time Scales:
- Esfahanian, E., Nejadhashemi, A. P., Abouali, M., Adhikari, U., Zhang, Z., Daneshvar, F., dan Herman, M. R., 2017, Development and evaluation of a comprehensive drought index, *Journal of Environmental Management*, Vol. 185, pp 31–43
- Feller, W., 1968, *An Introduction to Probability Theory and Its Applications, Volume 1*, An Introduction to Probability Theory and Its Applications, Wiley
- Franke, R. dan Nielson, G. M., 1991, Scattered Data Interpolation and Applications: A Tutorial and Survey, hlm. 131–160
- Guo, F., Liu, Q., Sun, S., dan Yang, J., 2015, Three Types of Indian Ocean Dipoles, *Journal of Climate*, Vol. 28, no. 8, pp 3073–3092
- Gusyevev, M. A. dan Hasegawa, A., 2015, Drought assessment in the Pampanga River basin, the Philippines-Part 1: Characterizing a role of dams in historical droughts with

- standardized indices Understanding young water circulation with tritium-tracer in Japan
View project Global Center Of Excellence (GCOE) View project, Advance Access
published 2015: doi:10.13140/RG.2.1.4931.4321
- Guttman, N. B., 1998, Comparing The Palmer Drought Index and The Standardized Precipitation Index, *Journal of the American Water Resources Association*, Vol. 34, no. 1, pp 113–121
- Hayes, M. J., Svoboda, M. D., Wilhite, D. A., dan Vanyarkho, O. V., 1999, Monitoring the 1996 Drought Using the Standardized Precipitation Index, *Bulletin of the American Meteorological Society*, Vol. 80, no. 3, pp 429–438
- Heim, R. R., 2002, A Review of Twentieth-Century Drought Indices Used in the United States, *Bulletin of the American Meteorological Society*, Vol. 83, no. 8, pp 1149–1166
- Hendon, H. H., 2003, Indonesian Rainfall Variability: Impacts of ENSO and Local Air-Sea Interaction:
- Hisdal, H. , & T. L. M., 2004, *Hydrological Drought: Processes and Estimation: Methods for Streamflow and Groundwater* (pp. 139-198).
- Immanuel, G. Y., 2019, Pengaruh Fenomena El Nino dan La Nina Pada Persebaran Curah Hujan dan Tingkat Kekeringan di Pulau Bali, Advance Access published 2019
- Jilan Jiang, Yimin Liu, Jiangyu Mao, Jianping Li, Shuwen Zhao, dan Yongqiang Yu, 2022, Three Types of Positive Indian Ocean Dipoles and Their Relationships with the South Asian Summer Monsoon, *Journal of Climate*, Vol. 35, no. 1, pp 405–424
- Jun-Ichi, H., Mori, S., Kubota, H., Yamanaka, M. D., Haryoko, U., Lestari, S., Sulistyowati, R., dan Syamsudin, F., 2012, Interannual rainfall variability over northwestern Jawa and its relation to the Indian Ocean Dipole and El Niño-Southern Oscillation events, *Scientific Online Letters on the Atmosphere*, Vol. 8, no. 1, pp 69–72
- Koesuma, S., Andriani, R. D., dan Legowo, B., 2021, Analyzing of the Indian Ocean Dipole (IOD) phenomena in relation to climate change in Indonesia: A review, dalam *Journal of Physics: Conference Series*, IOP Publishing Ltd
- Kolmogorov A, 1933, Sulla determinazione empirica di una legge di distribuzione, *Giornale dell'Istituto Italiano degli Attuari*, Vol. 4, pp 83–91
- Kurniadi, A., Weller, E., Min, S. K., dan Seong, M. G., 2021, Independent ENSO and IOD impacts on rainfall extremes over Indonesia, *International Journal of Climatology*, Vol. 41, no. 6, pp 3640–3656
- L Mitas dan H Mitasova, 1999, Spatial Interpolation:
- Van Lanen, H., Fendekova, M., Kupczyk, E., Kasprzyk, A., dan Pokojski, W., 2004, Flow generating processes, *Hydrological Drought. Processes and estimation methods for streamflow and groundwater*, Vol. 48
- Linsley, R. K., Paulhus, J. L., dan Kohler, M. A., 1958, *Hydrology for Engineers*, McGraw-Hill civil engineering series, Of Canada
- Lloyd-Hughes, B., 2014, The impracticality of a universal drought definition, *Theoretical and Applied Climatology*, Vol. 117, no. 3–4, pp 607–611
- Van Loon, A. F., 2015, Hydrological drought explained, *Wiley Interdisciplinary Reviews: Water*, Vol. 2, no. 4, pp 359–392
- Van Loon, A. F. dan Laaha, G., 2015, Hydrological drought severity explained by climate and catchment characteristics, *Journal of Hydrology*, Vol. 526, pp 3–14
- Manning, C., Widmann, M., Bevacqua, E., Van Loon, A. F., Maraun, D., dan Vrac, M., 2018, Soil moisture drought in Europe: A compound event of precipitation and potential

- evapotranspiration on multiple time scales, *Journal of Hydrometeorology*, Vol. 19, no. 8, pp 1255–1271
- Mckee, T. B., Doesken, N. J., dan Kleist, J., 1993, The Relationship Of Drought Frequency And Duration to Time Scales:, diakses pada Eighth Conference on Applied Climatology
- Mishra, A. K. dan Singh, V. P., 2010, A review of drought concepts, *Journal of Hydrology*, Vol. 391, no. 1–2, pp 202–216
- Modarres, R., 2007, Streamflow drought time series forecasting, *Stochastic Environmental Research and Risk Assessment*, Vol. 21, no. 3, pp 223–233
- der Molen, M., Dolman, H. (A. J.), Ciais, P., Eglin, T., Gobron, N., Law, B., Meir, P., Peters, W., Phillips, O., Reichstein, M., Chen, T., Dekker, S., Doubkova, M., Friedl, M. A., dkk., 2011, Drought and ecosystem carbon cycling, *Agricultural and Forest Meteorology*, Vol. 151, pp 765–773
- Muharsyah, R. dan Ratri, D. N., 2015, DURASI DAN KEKUATAN KEKERINGAN MENGGUNAKAN INDEKS HUJAN TERSTANDARISASI DI PULAU BALI, *Jurnal Meteorologi dan Geofisika*, Vol. 16, no. 2
- Nuarsa, I. W., Sandi, I. W., dan As-syakur, A., 2015, Pemetaan Daerah Rawan Kekeringan Di Bali-Nusa Tenggara Dan Hubungannya Dengan Enso Menggunakan Aplikasi Data Penginderaan Jauh:, diakses Mei 8, 2023, pada <https://ojs.unud.ac.id/index.php/blje/article/view/18548>
- Nur'utami, M. N. dan Hidayat, R., 2016, Influences of IOD and ENSO to Indonesian Rainfall Variability: Role of Atmosphere-ocean Interaction in the Indo-pacific Sector, *Procedia Environmental Sciences*, Vol. 33, pp 196–203
- Palmer, W. C., 1965, *Meteorological Drought*, Meteorological Drought, U.S. Department of Commerce, Weather Bureau
- Pearson, E. S., 1931, The Test of Significance for the Correlation Coefficient, *Journal of the American Statistical Association*, Vol. 26, no. 174, pp 128
- Pearson K, 1895, Note on regression and inheritance in the case of two parents, *Proceedings of the Royal Society of London*, Vol. 58, no. 347–352, pp 240–242
- Saji, N. H. dan Yamagata, T., 2003, Possible impacts of Indian Ocean Dipole mode events on global climate, *Climate Research*, Vol. 25, no. 2, pp 151–169
- Schmidt, F. H. dan Ferguson, J. H. A., 1951, *Rainfall Types Based on Wet and Dry Period Ratios for Indonesia with Western New Guinee*, Verhandelingen (Indonesia. Djawatan Meteorologi dan Geofisik), Kementerian Perhubungan, Djawatan Meteorologi dan Geofisik
- Seneviratne, S., Nicholls, N., Easterling, D., Goodess, C., Kanae, S., Kossin, J., Luo, Y., Marengo, J., Mcinnes, K., Rahimi, M., Reichstein, M., Sorteberg, A., Vera, C., dan Zhang, X., 2012, Changes in climate extremes and their impacts on the natural physical environment: An overview of the IPCC SREX report, hlm. 12566
- Sheffield, J. dan Wood, E. F., 2012, *Drought : Past Problems and Future Scenarios*, Routledge
- Shen, L., Zhao, C., dan Yang, X., 2021, Climate-Driven Characteristics of Sea-Land Breezes Over the Globe, *Geophysical Research Letters*, Vol. 48, no. 7
- Shepard, D., 1968, A two-dimensional interpolation function for irregularly-spaced data, hlm. 517–524, dalam *Proceedings of the 1968 23rd ACM national conference on -*, ACM Press, New York, New York, USA

- Shiau, J. T., 2003, Water Release Policy Effects on the Shortage Characteristics for the Shihmen Reservoir System during Droughts:, diakses pada Water Resources Management
- Shin, J. Y., Chen, S., Lee, J. H., dan Kim, T. W., 2018, Investigation of drought propagation in South Korea using drought index and conditional probability, *Terrestrial, Atmospheric and Oceanic Sciences*, Vol. 29, no. 2, pp 231–241
- Smakhtin, V. U., 2001, Low flow hydrology: a review, *Journal of Hydrology*, Vol. 240, no. 3–4, pp 147–186
- Smirnov H, 1939, Sur les Ecarts de la Courbe de Distribution Empirique, *Recueil Mathematique (Mathematiceskii Sbornik)*, Vol. N.S.6, pp 3–26
- Spearman, C., 1904, The Proof and Measurement of Association between Two Things, *The American Journal of Psychology*, Vol. 15, no. 1, pp 72
- Sri Harto BR, 1983, *Mengenal dasar hidrologi terapan*, Biro Penerbit Keluarga Mahasiswa Teknik Sipil, Universitas Gadjah Mada
- Student, 1908, The Probable Error of a Mean, *Biometrika*, Vol. 6, no. 1, pp 1
- Sun, Q., Miao, C., AghaKouchak, A., Mallakpour, I., Ji, D., dan Duan, Q., 2020, Possible Increased Frequency of ENSO-Related Dry and Wet Conditions over Some Major Watersheds in a Warming Climate, *Bulletin of the American Meteorological Society*, Vol. 101, no. 4, pp E409–E426
- Supari, Tangang, F., Salimun, E., Aldrian, E., Sopaheluwakan, A., dan Juneng, L., 2018, ENSO modulation of seasonal rainfall and extremes in Indonesia, *Climate Dynamics*, Vol. 51, no. 7–8, pp 2559–2580
- Tallaksen, L. M. dan Van Lanen, H. A. J., 2004, Hydrological drought: processes and estimation methods for streamflow and groundwater, Advance Access published 2004
- Tan, M. L., Tan, K. C., Chua, V. P., dan Chan, N. W., 2017, Evaluation of TRMM product for monitoring drought in the Kelantan River Basin, Malaysia, *Water (Switzerland)*, Vol. 9, no. 1
- Taschetto, A. S., Gupta, A. Sen, Ummenhofer, C. C., dan England, M. H., 2016, Can Australian Multiyear Droughts and Wet Spells Be Generated in the Absence of Oceanic Variability?, *Journal of Climate*, Vol. 29, no. 17, pp 6201–6221
- Taufik, M., Setiawan, B., dan Van Lanen, H., 2015, Modification of a fire drought index for tropical wetland ecosystems by including water table depth, *Agricultural and Forest Meteorology*, Vol. 203, pp 1–10
- Taylor, R., 1990, Interpretation of the Correlation Coefficient: A Basic Review:, diakses pada General Hospital
- Teuling, A. J., Van Loon, A. F., Seneviratne, S. I., Lehner, I., Aubinet, M., Heinesch, B., Bernhofer, C., Grünwald, T., Prasse, H., dan Spank, U., 2013, Evapotranspiration amplifies European summer drought, *Geophysical Research Letters*, Vol. 40, no. 10, pp 2071–2075
- Thorn, H. C. S. dan Switzerland, G. ~, 1966, SOME METHODS OF CLIMATOLOGICAL ANALYSIS Secretariat of the World Meteorological Organization:
- Tobler, W. R. dan Kennedy, S., 1985, Smooth Multidimensional Interpolation, *Geographical Analysis*, Vol. 17, no. 3, pp 251–257
- Vicente-Serrano, S. M., Beguería, S., dan López-Moreno, J. I., 2010, A multiscalar drought index sensitive to global warming: The standardized precipitation evapotranspiration index, *Journal of Climate*, Vol. 23, no. 7, pp 1696–1718

- Villaruerde, M. Q. dan Matsumoto, J., 2015, Significant influences of global mean temperature and ENSO on extreme rainfall in Southeast Asia, *Journal of Climate*, Vol. 28, no. 5, pp 1905–1919
- Walker, G. T. dan India. Meteorological Office, P., 1923, *Correlation in Seasonal Variations of Weather, VIII: A Preliminary Study of World Weather*, Memoirs of the India Meteorological Department, Meteorological Office
- Wang, C., Deser, C., Yu, J.-Y., DiNezio, P., dan Clement, A., 2017, El Niño and Southern Oscillation (ENSO): A Review, hlm. 85–106
- Wang, T., Tu, X., Singh, V. P., Chen, X., Lin, K., Lai, R., dan Zhou, Z., 2022, Socioeconomic drought analysis by standardized water supply and demand index under changing environment, *Journal of Cleaner Production*, Vol. 347
- Watson, D. F., 1992, *Contouring: A Guide to the Analysis and Display of Spatial Data*, Computer methods in the geosciences, Pergamon Press
- Webster, P. J., Moore, A. M., Loschnigg, J. P., dan Leben, R. R., 1999, Coupled ocean–atmosphere dynamics in the Indian Ocean during 1997–98, *Nature*, Vol. 401, no. 6751, pp 356–360
- Wilhite, D. A., Glantz, M. H., dan And Glantz, M. H., 1985, Understanding the Drought Phenomenon: The Role of Definitions:, diakses pada <http://digitalcommons.unl.edu/droughtfacpub><http://digitalcommons.unl.edu/droughtfacpub>ub/20
- World Meteorological Organization, 2008, Manual on low flow estimation and prediction. Operational Hydrology Report No.50, WMO-No. 1029:136, 2008.:
- World Meteorological Organization, 2016, Integrated Drought Management Programme Handbook of Drought Indicators and Indices:, diakses pada www.droughtmanagement.info
- Yosilia M dan Nurjani E, 2014, Analisis Hubungan El Nino dengan Kekeringan Meteorologis Menggunakan SPI (Standardized Precipitation Index) di Pulau Bali, Advance Access published 2014
- Zar, J. H., 1972, Significance Testing of the Spearman Rank Correlation Coefficient, *Journal of the American Statistical Association*, Vol. 67, no. 339, pp 578