

DAFTAR PUSTAKA

- Addisu, S., Aniley, E., Gashaw, T., Kelemu, S., & Fetene Demessie, S. (2024). Evaluating the performances of gridded satellite products in simulating the rainfall characteristics of Abay Basin, Ethiopia. *Sustainable Environment*, 10(1). doi: 10.1080/27658511.2024.2381349
- Aldrian, E., & Dwi Susanto, R. (2003a). Identification of three dominant rainfall regions within Indonesia and their relationship to sea surface temperature. *International Journal of Climatology*, 23(12), 1435–1452. doi: 10.1002/joc.950
- Aldrian, E., & Dwi Susanto, R. (2003b). Identification of three dominant rainfall regions within Indonesia and their relationship to sea surface temperature. *International Journal of Climatology*, 23(12), 1435–1452. doi: 10.1002/joc.950
- Aldrian, E., & Dwi Susanto, R. (2003c). Identification of three dominant rainfall regions within Indonesia and their relationship to sea surface temperature. *International Journal of Climatology*, 23(12), 1435–1452. doi: 10.1002/joc.950
- Aljauhari, A. M. (2025). *Analisis Kinerja Satelit Gpm-Imerg V07 Terhadap Data Aws (Automatic Weather Station) Dalam Mengestimasi Curah Hujan Harian*. Retrieved from <http://scholar.unand.ac.id/id/eprint/503741>
- Almeida, M., Zhu, S., & Coelho, P. (2025). Evaluation of eight satellite and reanalysis precipitation products over Angola: The value of targeted regional assessment for water management. *Journal of Hydrology: Regional Studies*, 62, 102955. doi: 10.1016/j.ejrh.2025.102955
- Andari, R., Nurhamidah, N., Daoed, D., & Marzuki. (2024). Evaluation of bias correction methods for multi-satellite rainfall estimation products. *IOP Conference Series: Earth and Environmental Science*, 1317(1). doi: 10.1088/1755-1315/1317/1/012008

- Andari, Rafika, & Nurhamidah, N. (2024). Validasi Data Satelit TRMM dan GPM Menggunakan Pengamatan Curah Hujan Harian. *G-Tech: Jurnal Teknologi Terapan*, 8(2), 985–993. doi: 10.33379/gtech.v8i2.4118
- Andari, Rafika, Nurhamidah, N., Daoed, D., & Marzuki, M. (2026). Enhancing Daily Rainfall Data Completeness Using Satellite Rainfall Estimates. *Civil and Environmental Engineering*, 22(1), 105–118. doi: 10.2478/cee-2026-0008
- Baig, F., Ali, L., Faiz, M. A., Chen, H., & Sherif, M. (2025). From bias to accuracy: Transforming satellite precipitation data in arid regions with machine learning and topographical insights. *Journal of Hydrology*, 653. doi: 10.1016/j.jhydrol.2025.132801
- Bolvin, D. T., Braithwaite, D., Hsu, K., Joyce, R., Kidd, C., Nelkin, E. J., Sorooshian, S., Tan, J., & Xie, P. (2019). *NASA Global Precipitation Measurement (GPM) Integrated Multi-satellite Retrievals for GPM (IMERG) Prepared for: Global Precipitation Measurement (GPM) National Aeronautics and Space Administration (NASA)*. Retrieved from https://pmm.nasa.gov/sites/default/files/imce/times_allsat.jpg
- Chang, C.-P., Harr, P. A., & Chen, H.-J. (2005). *Synoptic Disturbances over the Equatorial South China Sea and Western Maritime Continent during Boreal Winter*. Retrieved from <http://www>.
- Chen, Y., He, X., Xu, J., Zhang, R., & Lu, Y. (2020). Scattering feature set optimization and polarimetric SAR classification using object-oriented RF-SFS algorithm in coastal wetlands. *Remote Sensing*, 12(3). doi: 10.3390/rs12030407
- Chow, V. T., Maidment, D. R., & Mays, L. W. (1988). 24. *Applied_Hydrology_Chow_1988*.
- Derin, Y., Anagnostou, E., Berne, A., Borga, M., Boudevillain, B., Buytaert, W., Chang, C. H., Delrieu, G., Hong, Y., Hsu, Y. C., Lavado-Casimiro, W., Manz, B., Moges, S., Nikolopoulos, E. I., Sahlu, D., Salerno, F., Rodríguez-Sánchez, J. P., Vergara, H. J., & Yilmaz, K. K. (2016). Multiregional satellite precipitation products evaluation over complex

- terrain. *Journal of Hydrometeorology*, 17(6), 1817–1836. doi: 10.1175/JHM-D-15-0197.1
- Dinku, T., Funk, C., Peterson, P., Maidment, R., Tadesse, T., Gadain, H., & Ceccato, P. (2018a). Validation of the CHIRPS satellite rainfall estimates over eastern Africa. *Quarterly Journal of the Royal Meteorological Society*, 144, 292–312. doi: 10.1002/qj.3244
- Dinku, T., Funk, C., Peterson, P., Maidment, R., Tadesse, T., Gadain, H., & Ceccato, P. (2018b). Validation of the CHIRPS satellite rainfall estimates over eastern Africa. *Quarterly Journal of the Royal Meteorological Society*, 144, 292–312. doi: 10.1002/qj.3244
- Elsebaie, I. H., Kawara, A. Q., Alharbi, R., & Alnahit, A. O. (2025). Bias Correction Methods Applied to Satellite Rainfall Products over the Western Part of Saudi Arabia. *Atmosphere*, 16(7). doi: 10.3390/atmos16070772
- Espinoza, J. C., Garreaud, R., Poveda, G., Arias, P. A., Molina-Carpio, J., Masiokas, M., Viale, M., & Scaff, L. (2020). Hydroclimate of the Andes Part I: Main Climatic Features. In *Frontiers in Earth Science* (Vol. 8). Frontiers Media SA. doi: 10.3389/feart.2020.00064
- Funk, C., Peterson, P., Landsfeld, M., Pedreros, D., Verdin, J., Shukla, S., Husak, G., Rowland, J., Harrison, L., Hoell, A., & Michaelsen, J. (2015a). The climate hazards infrared precipitation with stations - A new environmental record for monitoring extremes. *Scientific Data*, 2. doi: 10.1038/sdata.2015.66
- Funk, C., Peterson, P., Landsfeld, M., Pedreros, D., Verdin, J., Shukla, S., Husak, G., Rowland, J., Harrison, L., Hoell, A., & Michaelsen, J. (2015b). The climate hazards infrared precipitation with stations - A new environmental record for monitoring extremes. *Scientific Data*, 2. doi: 10.1038/sdata.2015.66
- Hamis, M. M. (2013). *Validation Of Satellite Rainfall Estimates Using Gauge Rainfall Over Tanzania*.

- Hendon, H. H. (2003). *Indonesian Rainfall Variability: Impacts of ENSO and Local Air-Sea Interaction*. Retrieved from <http://journals.ametsoc.org/jcli/article>
- Hou, A. Y., Kakar, R. K., Neeck, S., Azarbarzin, A. A., Kummerow, C. D., Kojima, M., Oki, R., Nakamura, K., & Iguchi, T. (2014). The global precipitation measurement mission. *Bulletin of the American Meteorological Society*, 95(5), 701–722. doi: 10.1175/BAMS-D-13-00164.1
- Huffman, G. J., Bolvin, D. T., Braithwaite, D., Hsu, K., Joyce, R., Kidd, C., Nelkin, E. J., Sorooshian, S., Tan, J., & Xie, P. (2020). *NASA Global Precipitation Measurement (GPM) Integrated Multi-satellitE Retrievals for GPM (IMERG) Prepared for: Global Precipitation Measurement (GPM) National Aeronautics and Space Administration (NASA)*. Retrieved from https://pmm.nasa.gov/sites/default/files/imce/times_allsat.jpg
- Imam Mashudi, M. Anwar, & Fengky F. Adji. (2021). Pemanfaatan data satelit tropical rainfall measuring mission (TRMM) untuk pemetaan zona agroklimat neraca air lahan di Kalimantan Tengah. *Journal of Environment and Management*, 2(1), 11–25. doi: 10.37304/jem.v2i1.2655
- Joyce, R. J., Janowiak, J. E., Arkin, P. A., & Xie, P. (2004). *CMORPH: A Method that Produces Global Precipitation Estimates from Passive Microwave and Infrared Data at High Spatial and Temporal Resolution*.
- Kimani, M. W., Hoedjes, J. C. B., & Su, Z. (2017). An assessment of satellite-derived rainfall products relative to ground observations over East Africa. *Remote Sensing*, 9(5). doi: 10.3390/rs9050430
- Kummerow, C., Simpson, J., Thiele, O., Barnes, W., Chang, A. T. C., Stocker, E., Adler, R. F., Hou, A., Kakar, R., Wentz, F., Ashcroft, P., Kozu, T., Hong, Y., Okamoto, K., Iguchi, T., Kuroiwa, H., Im, E., Haddad, Z., Huffman, G., ... Nakamura, A. K. (2000). The Status of the Tropical Rainfall Measuring Mission (TRMM) after Two Years in Orbit. In *Journal of Climate* (Vol. 13, Issue 23).

- Lober, C., Fayne, J., Hashemi, H., & Smith, L. C. (2023). Bias correction of 20 years of IMERG satellite precipitation data over Canada and Alaska. *Journal of Hydrology: Regional Studies*, 47. doi: 10.1016/j.ejrh.2023.101386
- Mahmoud, M. T., Mohammed, S. A., Hamouda, M. A., & Mohamed, M. M. (2021). Impact of topography and rainfall intensity on the accuracy of imerg precipitation estimates in an arid region. *Remote Sensing*, 13(1), 1–17. doi: 10.3390/rs13010013
- Mashuri, Karlina, & Sujono, J. (2025). Assessment of satellite-based rainfall products for drought monitoring in the Siak Watershed, Indonesia. *Environmental Challenges*, 19. doi: 10.1016/j.envc.2025.101134
- Moriasi, D. N., Arnold, J. G., Liew, M. W. Van, Bingner, R. L., Harmel, R. D., & Veith, T. L. (1983). MODEL EVALUATION GUIDELINES FOR SYSTEMATIC QUANTIFICATION OF ACCURACY IN WATERSHED SIMULATIONS. In *Transactions of the ASABE* (Vol. 50, Issue 3).
- Nguyen, T. H., Masih, I., Mohamed, Y. A., & van der Zaag, P. (2018). Validating rainfall-runoff modelling using satellite-based and reanalysis precipitation products in the sre pok catchment, the mekong river basin. *Geosciences (Switzerland)*, 8(5). doi: 10.3390/geosciences8050164
- Nurhamidah, N., Muthmainnah, T. A., Aljauhari, A. M., Junaidi, A., Adnan, N. A., & Andari, R. (2026). Evaluation of Chirps Tropical Rainfall Estimates Using Automatic Weather Stations for Validation in West Sumatra, Indonesia. *Civil and Environmental Engineering*, 22(1), 161–172. doi: 10.2478/cee-2026-0011
- Palazzi, E., Von Hardenberg, J., & Provenzale, A. (2013). Precipitation in the hindu-kush karakoram himalaya: Observations and future scenarios. *Journal of Geophysical Research Atmospheres*, 118(1), 85–100. doi: 10.1029/2012JD018697
- Rahmawati, N., & Lubczynski, M. W. (2018). Validation of satellite daily rainfall estimates in complex terrain of Bali Island, Indonesia.

- Theoretical and Applied Climatology*, 134(1–2), 513–532. doi: 10.1007/s00704-017-2290-7
- Ramadhan, R., Marzuki, M., Suryanto, W., Sholihun, S., Yusnaini, H., & Muharsyah, R. (2024). Validating IMERG data for diurnal rainfall analysis across the Indonesian maritime continent using gauge observations. *Remote Sensing Applications: Society and Environment*, 34. doi: 10.1016/j.rsase.2024.101186
- Ramadhani, I. (2023). *Kalibrasi Dan Validasi Data Curah Hujan Lapangan Dengan Data Curah Hujan Satelit Global Precipitation Measurement (GPM)*. Retrieved from <http://scholar.unand.ac.id/id/eprint/207812>
- Roe, G. H. (2005). Orographic precipitation. In *Annual Review of Earth and Planetary Sciences* (Vol. 33, pp. 645–671). doi: 10.1146/annurev.earth.33.092203.122541
- Singh, A., Tiwari, S., & Jha, S. K. (2021). Evaluation of quantitative precipitation forecast in five Indian river basins. *Hydrological Sciences Journal*, 66(15), 2216–2231. doi: 10.1080/02626667.2021.1982138
- Trenberth, K. E., Dai, A., Rasmussen, R. M., & Parsons, D. B. (2003). *THE CHANGING CHARACTER OF PRECIPITATION*.
- Willkofer, F., Schmid, F. J., Komischke, H., Korck, J., Braun, M., & Ludwig, R. (2018). The impact of bias correcting regional climate model results on hydrological indicators for Bavarian catchments. *Journal of Hydrology: Regional Studies*, 19, 25–41. doi: 10.1016/j.ejrh.2018.06.010
- Zhang, C. (2005). Madden-Julian Oscillation. In *Reviews of Geophysics* (Vol. 43, Issue 2, pp. 1–36). doi: 10.1029/2004RG000158