

DAFTAR PUSTAKA

- Ali, A., Deranadyan, G., & Saadah, U. (2021). Kajian Awal Pemanfaatan Data Penginderaan Jauh dalam Implementasi Peringatan Dini Cuaca Ekstrem Berbasis Dampak. *Prosiding WIN-ID*, 27–36.
- Arifin, Z., & Rahadian, H. (2017). Rancang Bangun Stand-Alone Automatic Rain Gauge (ARG) Berbasis Panel Surya. *Jurnal Nasional Teknik Elektro*, 6(3).
- Atlas, D., & Ulbrich, C. (1977). Path and Area Integrated Rainfall Measurement by Microwave Attenuation 1-3 cm Band. *Journal of Applied Meteorology*, 16(12), 1322–1331.
- Battan, L. J. (1973). *Radar Observation of the Atmosphere*. University of Chicago Press.
- Bringi, V. (1990). An Examination of Propagation Effects in Rainfall on Radar Measurements at Microwave Frequencies. *Journal of Atmospheric and Oceanic Technology*, 7(12), 829–840.
- Bringi, V., Keenan, T., & Chandrasekar, V. (2001). Correcting C-Band Radar Reflectivity and Differential Reflectivity Data for Rain Attenuation : A Self-Consistent Method With Constraints. *IEEE Transaction on Geoscience and Remote Sensing*, 39(9), 1906–1915.
- Chandra, H., & Suprpto, H. (2016). Sistem Informasi Intensitas Curah Hujan di Daerah Ciliwung Hulu. *Jurnal Informatika Dan Komputer*, 21(3), 45–52.
- Dhiram, K., & Wang, Z. (2016). Evaluation on Radar Reflectivity-Rainfall Rate (Z-R) Relationships for Guyana. *Atmospheric and Climate Sciences*, 6, 489–499.
- G. Park, S. (2005). Correction of Radar Reflectivity and Differential Reflectivity for Rain Attenuation at X Band. Part I: Theoretical and Empirical Basis. *Journal of Atmospheric and Oceanic Technology*, 22(11), 1621–1632.
- Gabella, M., & Notarpietro, R. (2002). Ground Clutter Characterization and Elimination in Mountainous Terrain. *Proceedings of ERAD*, 305–311.
- Gu, J., Ryzhkov, A., Neilley, P., Knight, M., Wolf, B., & Lee, D. (2011). Polarimetric Attenuation Correction in Heavy Rain at C-band. *J. Appl. Meteorol. Climatol.*, 50(1), 39–58.
- Gunawan, D. (2008). Perbandingan Curah Hujan Bulanan dari Data Pengamatan Permukaan, Satelit Trmm dan Model Permukaan Noah. *Jurnal Meteorologi Dan Geofisika*, 9(1), 2.
- Gunn, K., & East. (1954). The Microwave Properties of Precipitation Particles. *Q. J. R. Meteorol. Soc*, 80, 522–545.
- Halliday, D., Resnick, R., & Walker, J. (2010). *Fisika Dasar (Terjemahan)*. Erlangga.

- Handayani, U. N. D., & Setiyadi, A. (2017). Remote Sensing (Penginderaan Jauh). *Media Neliti*, 8(2), 113–120.
- Handoyo, M., Hadi, M., & Suprayogi, S. (2021). Application of Attenuation Correction to Quantitative Precipitation Estimation on C-Band Weather Radar in Bengkulu. *2nd International Conference on Tropical Meteorology and Atmospheric Sciences*, 1–8.
- Hannesen, R., & Loffler-Mang, M. (1998). Improvements of Quantitative Rain Measurements with a C-Band Doppler Radar through Consideration of Orographically induced Partial Beam Screening. *Proc. Cost 75 Seminar*, 511–519.
- Hardaker, P., Holt, A., & Collier, C. (1995). A Melting-Layer Model and its use in Correcting for the Bright Band in Single-Polarization Radar Echoes. *Quarterly Journal of the Royal Meteorological Society*, 121, 495–525.
- Hardian, Y., Fuadi, A., Sumitra, Y., & Ariyati, A. (2017). Perencanaan Museum Khatulistiwa Sakido Mura (赤道村) sebagai Lived Space di Garis Khatulistiwa Nagari Koto Alam Kabupaten Lima Puluh Kota. *JFTSP*, 2(1).
- Harrison, D. L., Driscoll, S. J., & Kitchen, M. (2000). Improving Precipitation Estimates from Weather Radar using Quality Control and Correction Techniques. *Meteorological Applications*, 6, 135–144.
- Hitschfeld, W., & Bordan, J. (1954). Errors Inherent in The Radar Measurement of Rainfall at Attenuating Wavelengths. *Journal of Meteorology*, 11(2), 58–67.
- Hubbert, J., Dixon, M., & Ellis, S. (2009). Weather Radar Ground Clutter. Part II: Real-Time Identification and Filtering. *Journal of Atmospheric and Oceanic Technology*, 26(7), 1181–1197.
- Jacobi, S., & Heistermann, M. (2016). Benchmarking Attenuation Correction Procedures for Sixyears of Single-Polarized C-band Weather Radar Observations in South-West Germany. *Geomatics, Natural Hazard and Risk*, 7, 1785–1799.
- Jumingin, Atina, Iswan, J., Haziza, N., & Ashari, B. (2022). Radiasi Gelombang Elektromagnetik yang Ditimbulkan Peralatan Listrik di Lingkungan Universitas PGRI Palembang. *JoP*, 7(2), 48–53.
- Karsena, A. H. (2019). *Perbandingan Kualitas Estimasi Curah Hujan Sebelum dan Sesudah Implementasi Quality Control Data Radar di Wilayah Palembang dan Sekitarnya*.
- Kitchen, M., Brown, R., & Davies, A. (1994). Real-Time Correction of Weather Radar Data for the Effects of Bright Band, Range and Orographic Growth in Widespread Precipitation. *Quarterly Journal of the Royal Meteorological Society*, 120, 1231–1254.

- Kosasih, A., Hartono, & Jatmiko, R. H. (2021). Pengaruh Koreksi Atenuasi Radar Cuaca terhadap Perhitungan Estimasi Curah Hujan di Jawa Timur. *Jurnal Teknosains*, 10(2), 111–124.
- Krämer, S., & Verworn, H. (2008). Improved C-band Radar Data Processing for Real Time Control of Urban Drainage Systems. *11th International Conference on Urban*.
- Kristianto, A., Saragih, I., Larasati, G., & Akib, K. (2018). Identifikasi Kejadian Hujan Es menggunakan Citra Radar dan Satelit Cuaca. *Prosiding PIT Ke-5 Riset Kebencanaan IABI*.
- Laia, M. L., & Setyawan, Y. (2020). Perbandingan Hasil Klasifikasi Curah Hujan menggunakan Metode SVM DAN NBC. *Jurnal Statistika Industri Dan Komputasi*, 5(2), 51–61.
- Lillesand, T., & Kiefer, R. (1994). *Remote Sensing and Image Interpretation* (3rd Edition). John Wiley & Sons.
- Lindgren, D. (1985). *Land Use Planning and Remote Sensing*. Martinus Nijhoff Publishers.
- Massinai, M. (2005). Analisis Liputan Awan berdasarkan Citra Satelit Penginderaan Jauh. *Pertemuan Ilmiah Tahunan MAPIN XIV - Pemanfaatan Efektif Penginderaan Jauh Untuk Peningkatan Kesejahteraan Bangsa*, 208–213.
- Miftahuddin. (2016). Analisis Unsur-unsur Cuaca dan Iklim Melalui Uji Mann-Kendall Multivariat. *Jurnal Matematika, Statistika Dan Komputasi*, 13(1), 26–38.
- Munawar. (2016). *Permodelan Spasiotemporal Prediksi Curah Hujan Ekstrem Berdasarkan Integrasi Data Radar dan Satelit Cuaca di Provinsi Jawa Timur*.
- Nanding, N., & Rico-Ramirez, M. (2019). *Precipitation Measurement with Weather Radars*. In *ICT for Smart Water Systems: Measurements and Data Science*. Springer.
- Observing, E., Division, S., State, T., Service, M., Rmtc-turkey, W., & Facilities, A. (2005). *Training Course on Weather Radar Systems Module D : Radar Products and Operational Applications Module A : Introduction To Radar Module B : Radar Hardware Module C : Processing Basics in Doppler Module D : Radar Products and Module E : Radar Maintenance*.
- Olsen, R., Rogers, D., & Hodge, D. (1978). The aRb Relation in the Calculation of Rain Attenuation. *IEEE Transactions on Antennas and Propagation*, 26(3), 318–329.

- Paski, J., F., A., S., D., P., & E. Makmur, E. (2020). Reconstruction of Extreme Rainfall Event on September 19-20, 2017, using a Weather Radar in Bengkulu of Sumatra Island. *J. Sci. World*.
- Paski, J., & Permana, D. (2018). Using the C-Band Doppler Weather Radar Data to Reconstruct Extreme Rainfall Event on 11th March 2018 in Bangka Island, Indonesia. *MATEC Web of Conference*, 229.
- Permana, D., Hutapea, T., Praja, A., Fatkhuroyan, & Muzayanah, L. (2016). Pengolahan Multi Data Format Radar Cuaca menggunakan Wradlib Berbasis Python. *Jurnal Meteorologi Dan Geofisika*, 17(3), 157–164.
- Prakasa, A., & Utami, F. (2019). Sistem Informasi Radar Cuaca Terintegrasi BMKG. *Journal of Telecommunication, Electronics, and Control Engineering (JTECE)*, 1(2), 86–96.
- Prasetyo, B., Pusparini, N., Irwandi, & Fitria, W. (2019). Aplikasi Radar Cuaca untuk Identifikasi Fluktuasi Kondisi Cuaca Ekstrim (Studi Kasus: Banjir di Kota Medan Tanggal 5 Oktober 2018). *Jurnal Sains & Teknologi Modifikasi Citra*, 20(1), 13–21.
- Priyokusumo, D., Sapundani, R., & Helmanto, I. (2019). Analisa Tebal Bidang Tembus Gelombang Elektromagnetik USB WiFi LV-UW03. *Seminar Nasional TEKNOSA*, 4, 59–68.
- Pusparini, N., Fitria, W., Prasetyo, B., & Irwandi. (2020). Aplikasi Radar Cuaca untuk Identifikasi Fluktuasi Kondisi Cuaca Ekstrim. *Jurnal Fisika Dan Aplikasinya*, 16(3), 133–140.
- Putra, A. A., & Nuranto, S. (2014). *Prosedur Penyajian Data Radar Cuaca dan Data Curah Hujan*.
- Putri, D. M., Nugroho, E. Y., & Pratama, J. R. (2021). Kajian Impelementasi Quality Control Faktor Bright Band dan Atenuasi Radar Cuaca C-Band. *Jurnal Teori Dan Aplikasi Fisika*, 9(1), 111–120.
- Rahayu, N., Sasmito, B., & Bashit, N. (2018). Analisis Pengaruh Fenomena Indian Ocean Dipole (IOD) terhadap Curah Hujan di Pulau Jawa. *Geodesi Undip*, 7(1), 57–67.
- Rahmawati, I., Aisah, A., & Widjajanti, K. (2018). Evaluasi Intensitas Radiasi Gelombang Elektromagnetik BTS ke Mobile Station pada Suatu Tempat Politeknik Negeri Malang. *Jurnal Jartel: Jurnal Jaringan Telekomunikasi*, 6(1), 89.
- Rico-ramirez, M. (2012). Adaptive Attenuation Correction Techniques for C-Band Polarimetric Weather Radars. *IEEE Transaction on Geoscience and Remote Sensing*, 50(12), 5061–5071.
- Samriyanto. (2010). Analisis Citra Satelit dan Radar untuk Membuat Prediksi Cuaca Ekstrim. *Buletin BMKG*, 6(4).

- Sarjani, F., Sumantyo, J., & Yohandri. (2017). Pengolahan Citra Satelit Alos Palsar menggunakan Metode Polarimetri untuk Klasifikasi Lahan Wilayah Kota Padang. *Eksakta*, 18(1).
- Sinatra, T., & Noersomadi. (2015). Pemanfaatan Transportable Radar Cuaca Doppler X-Band untuk Pengamatan Awan. *Berita Dirgantara*, 16(2), 91–97.
- Skolnik, M. (2003). *Introduction to Radar Systems* (3rd Edition). McGraw-Hill.
- Smith, J. (1986). The Reduction of Error Caused by Bright Band in Quantitative Rainfall Measurements made using Radar. *Journal of Atmospheric and Oceanic Technology*, 3, 129–141.
- Suandewi, N. M. A., Muliantara, A., & Raharja, M. A. (2023). Pengembangan Sisten Database Lokasi Automatic Rain Gauge (ARG) dan Automatic Weather Stations (AWS) Berbasis Website di Balai Besar MKG Wilayah III Denpasar. *Jurnal Pengabdian Informatika*, 1(4), 1153–1160.
- Sugandi, D. (2021). *Dasar-Dasar Penginderaan Jauh*. Universitas Pendidikan Indonesia.
- Sumaja, K. (2014). *Publication*. Retrieved from Retrieved from ResearchGate: <https://www.researchgate.net>.
- Usman, H., & Akbar, R. P. S. (2011). *Pengantar Statistika* (2nd ed). Bumi Aksara.
- Wardoyo, E. (2015). *Pengantar Aplikasi Radar Cuaca*.
- Yudha, G. (2018). *Perbandingan Pemanfaatan Citra Satelit Hasil Perekaman Sensor Aktif dan Pasif untuk Klasifikasi Hutan-Non Hutan*.