

DAFTAR PUSTAKA

- Abarca, S. F., Corbosiero, K.L., dan Galarneau Jr.T.J., 2010, An evaluation of the Worldwide Lightning Location Network (WWLLN) using the National Lightning Detection Network (NLDN) as Ground Truth, *Journal of Geophysical Research*, Vol. 115, hal. 1006-1029.
- Albrecht, R.I., Goodman, S.J., Buechler, D.E., Blakeslee, R.J., Christian, H.J., 2015, Where are the lightning hotspots on Earth?, *Bulletin of the American Meteorological Society*.
- Arista, A., 2012, Analisis Variasi Curah Hujan Harian untuk Menentukan Ragam Osilasi Atmosfer di Kota Padang, *Skripsi*, Universitas Negri Padang.
- Atlas, D., Ulbrich, C.W., Marks, F.D., Amitai, E. dan Williams, C.R, 1999, Systematic Variation of Drop Size and Radar-Rainfall Relations, *Journal Geophys. Res.*, Vol. 104, hal. 6155-6169.
- Avila, M.C, Nora A, Cornelli E, Rodriguez-Castellon A & Jimenez-Lopez. 2010. Study of solid acid catalysis for the hydration of α -pinene. *J. Mol Catal A-Chem* 322: 106-122.
- Carrey, L.A dan Rutledge, S.A., 1998, Electrical and Multiparameter Radar Observation of A Severe Hailstrom, *Journal Geophys. Res.*, Vol. 103, hal. 13979-14000.
- Coppens, D. dan Haddad, Z.S., 2000, Effect of Raindrop Size Distribution Variation on Microwave Brightness Temperature Calculation, *Journal of Geophysical Research*, Vol.105, No. 19, hal. 483-489.
- Feingold, G. dan Levin. Z., 1986, The Lognormal Fit to Raindrop Spectra from Frontal Convective Clouds in Israel, *Journal of Climate and Applied Metereology*, Vol.25, hal. 1346-1363.
- Hidayat, S. dan Zoro, R., 2001. Variation of Lightning Characteristocs on the Java Island 1996-2000. Observed by LPATS Network, *J. Teknik Elektro*, Vol. 7, No. 1, Hal. 13-18.
- Hosking, J.R.M. Dan Wallis, J.R., 1997, Regional Frequency Analysis: An Approach Based on L-Moments, Cambridge University Press, United Stated America.

Hutchins, M.L., Holzworth, R.H., rodger, C.J., dan brundell, J.B., 2012, Fardfield Powerof Lightning Strokesbas Measured by The Word Wide Lightning Location Network, *Journal of Atmosphere Oceanic Technology*, Vol. 29, Hal. 1102-1110.

Jameson, A.R. dan Kostinski, A.B., 2001, What is Rhaindrop Size Distribution, *Bulletin of American Meteorological Society*, Vol. 82, No. 6, hal. 1169-1177.

Kalb, C.P., 2007, Cloud-To-Ground Lightning Polarity and Environmental Conditions Over The Central United States, *Tesis*, Degree of Master of Science, Colorado State University, Colorado.

Kalmasova, I.I., 2013. Analysis Of Boardbrand Electric And Magnetic Signals Radiated From Lightning Discharge, *Disertasi*, Ph.D. Programme of Electrical Engineering and Information Technology, Czech Technicaal University in Prague, Ceko.

Klice, D.V., Smith, P.L. dan Johnson, R.W., 2008, L-Moment Estimator as Applied to Gamma Drop Size Distribution, *Journal Applied Meteorology and Climatology*, Vol.47, hal. 3117-3130.

Kozu, T. dan Nakamura, K., 1991, Rainfall Parameter Estimation from Dual-Radar Measurements Combining Reflectivity Profile and Path-integrated Attenuation, *Journal of Atmospheric and Oceanic Technology*, Vol. 8, hal. 259-271.

Kozu, T., Shimomai, T., Akramin, Z. Marzuki, Shibagaki, Y., dan Hashiguchi, H., 2005, Intraseasonal variation of raindrop size distribution at Koto Tabang , West Sumatra, Indonesia, *Geophysical Research Letter*, Vol.32, hal. 1-4.

Kozu, T., Reddy, K., Mori, S., Thurai, M., Ong, J.T., Rao, D.N. dan Shimomai, T., 2006, Seasonal and Diurnal Variations of Raïndrop Size Distribution in Asian Monsoon Region, *Journal of the Meteorological Society of Japan*, Vol. 84A, hal. 195-209.

Lam, H.Y., Din, J., dan Jong, S.L., 2014, Statistical and Physical Descriptions of Raindrop Size Distributions in Equatorial Maaysia from Disdrometer Observations, *Hindawi Publishing Corporation Advance in Meteorology*, Article ID 253730, hal, 1-15.

- Lapp, J., 2007, Analyzing Relationships Between Lightning and Rain in Order to Improve Estimation Accuracy of Rain, *Theses*, Clemson University, Amerika Serikat.
- Laws, J.O. dan Parsons D.A., 1943, The Relation of Raindrop-Size to Intensity, *Transactions American Geophysics Union*, Vol. 24, hal. 452-460.
- Loffler-Mang, M. dan Joss, J., 2000, An Optical Disdrometer for Measuring Size and Velocity of Hydrometeors, *Journal of Atmospheric and Oceanic Technology*, Vol. 17, hal.130-139.
- Mallet, C. Dan Barhes, L., 2009, Estimation of Gamma Raindrop Size Distribution Parameters: Statistical Fluctuations and Estimation Errors, *Journal Atmospheric and Oceanic Technology*. Vol. 26, hal. 1572-1584.
- Marshall, J.S. dan Palmer, W.M., 1948, The Distribution of Raindrops with Size, *Journal of Meteorology*, Vol. 5, hal. 165-166.
- Marzuki, Kozu, T., Shimomai, T, Hashiguchi, H., Randeu, W.L., dan Vonnisa, M., 2010, Raindrop Size Distribution of Convective Rain Over Equatorial Indonesia During the first CPEA Campaign, *Atmospheric Research*, Vol. 96, hal. 645-655.
- Marzuki, M., Hashiguchi, H., Yamamoto, M.K., Mori, S., dan Yamanaka, M.D., 2013a, Regional Variability of Raindrop Size Distribution over Indonesia, *Annales Geophysical*, Vol. 31, hal. 1941-1948.
- Marzuki, Randeu, W.L., Kozu, T., Hashiguchi, H., dan Schonhuber M, 2013b, Raindrop Axis Ratio, Fall Velocities and Size Distribution over Sumatra Fromm 2D – Video Disdrometer Measurement, *Atmospheric Research*, Vol. 119, hal, 23-37.
- Mori, S., Harmada, J.I., Yamanaka, M.D., Okamoto, N., Murata, F., Sakurai, N., Hashiguchi, H., dan Sribimawati, T., 2004, Diurnal Land-Sea Rainfall Peak Migration over Sumatera Island, Indonesia Maritime Continent, Observed by TRMM Satellite and Intensive Rawinsonde Soundings, *Monthly Weather Review*, Vol. 132, hal.2021-2039.
- Neiburger, M., James, G.E., dan William, D.B., 1995, *Memahami Lingkungan Atmosfir Kita (Terjemahan oleh Ardian Purbo)*, Edisi Kedua, ITB, Bandung, hal. 23-24.

- Nugroho, Sugerng, dan Setiawan, B., 2009, Variasi Hujan di Bukit Kototabang. *Bulletin MKKuG GAW. Bukit Kototabang*, Vol. 2, hal. 42-55.
- Owolawi, P., 2011, Raindrop Size Distribution Model for the prediction of Rain Attenuation in Durban, *PIERS Online*, Vol.7, No.6, hal. 516-523.
- Paluch, I.R., dan Sartor, J.D., 1973, Thunderstorm Electrification by the Inductive Charging Mechanism: Particle Charge and Electric Fields, *Journal of the Atmospheric Science*, Vol 30, hal. 1166-1173.
- Pandiangan, L.N.L., Wardono, W., Harry, R.B.Y.W.H., 2010, Analisis Pemetaan Sambaran Petir Akibat Bangunan BTS terhadap Lingkungan dan Sekitarnya di kota Medan, *Jurnal Meteorologi dan Geofisika*, Vol. 11, hal. 86-90.
- Petrova, S., Mitzeva, R., dan Katroni, V., 2014, Summer-time Lightning Activity and its relation with precipitation: Diurnal variation over maritime, coastal, and continental areas, *Atmospheric Research*, Vol. 135-136, hal. 388-396.
- Pieprgrass, M.V., dan E.P Krider. 1982. Lightning and Surface Rainfall During Florida Thunderstorms. *J. Geophys. Res.*, 87. Hal.193-201.
- Rakov, V.A., 2013, The Physics of Lightning, *Surveys in Geophysics*, Vol.34, hal. 701-729.
- Rosenfield, D, dan Ulbrich, C.W., 2003, Cloud Microphysical Properties, Processes, and Rimfall Estimation Opportunities, *Meteorological Monographs*, Vol. 52, hal. 237-258.
- Salby M.L., 2012, *Physics of the Atmosfer and Climate*, Cambridge University Press, United Stated America.
- Saunders, C., 2008, *Planetary Atmospheric Electricity*, Vol.30, Spinger, New York.
- Saunders, C.P.R., 1993, A review of Thunderstorm Electrification Processes, *Journal of Applied Meteorology*, Vol.32, hal.642-655.

Saylor, J.R., Ulbrich, C.W., Ballentine, J.W dan Lapp J.L., 2005, The Correlation Between Lightning and DSD Parameters, *IEEE Transactions on Geoscience and Remote Sensing*, Vol. 43, No. 8.

Seaman, L.W., 2000, Evolution of Cloude-to-Ground Lightning Discharge in Tornado Thunderstroms, *Tesis*, Air Force Institute of Technology, Ohio.

Septiadi D. dan Hadi S., 2011, Karakteristik Petir Terkait Hujan Lebat di Wilayah Bandung, *Jurnal Meteorologi Dan Geofisika* 12: hal. 163-170.

Smith, P. L., 1982, On the Grapical Presentation of Raindrop Size Data. *Journal Atmospheric and Oceanic Thechnology*, Vol. 20, hal. 4-16.

Squires, K.A., 2006, The Morphology of Eyewall Cloud to Ground Lightning In Two Category Five Hurricanes, *Tesis*, Master of Sciences In Meteorology, University of Hawai, Hawai.

Tokay, A. dan Short, D.A., 1996, Evidence from Tropical Raindrop Spectra of the Origin of Rain from Statifrom Versus Convective Clouds, *Journal Applied Meteorology*, Vol. 35, hal. 355-371.

Uijlenhoet, R., 2010, Raindrop Size Distributions and Radar Reflectivity-Rain Rate Relationships for Radar Hydrology, *Hydrplogy and Earth System Sciences*, hal. 615-627.

Ulaby, F. T., Moore, R. K., dan Dobson, M.C., 1983, Effects of Vegetation Cover on the Microwave Radiometric Sensitivity to Soil Moisture, *IEEE Transaction Geoscience Remote Sensing*, Vol. 21, hal. 21-61.

Ulbrich, C.W. dan Atlas, D., 1998, Assement of the Contribution of Differential Polarization to improved Rainfall Measurement, *Radio Science*, Vol. 19, hal. 49-57.

Ulbrich, C.W., 1983, Natural Variations in the Analytical From of the Rindrop Size Distribution, *Journal of Climate and Applied Meteorology*, Vol. 22, hal. 1764-1775.

Uman, M.A., 2001, *The Lightning Discharge*, Mineola, New York, Dover Publications.inc.

Virts, K.S., Wallacem J.M., Hutchins, M.L., dan Holzworth, R.T., 2013, Diurnal Lightning Variability over the Maritime Continent : Impact of Low-Level

Winds, Cloudiness, and the MJO, *Journal of the Atmospheric Sciences*, Vol. 70, hal. 3128-3145

Waldvogel, A., 1974, The No Jump of Raindrop Spectra, *Journal of Atmospheric Society*, Vol. 31, hal. 1067-1078.

Zhang, C., 2005, Madden-Julian Oscillation, Rosentiel School of Marine and Atmospheric Science, *Reviews of Geophysics*, No. 43, hal. 1-36.

