DAFTAR PUSTAKA

Azleria, V., Effendy, S., dan Hermawan, E., 2008, Pemanfaatan Data Equatorial Atmhosperic Radar dalam Mengkaji Terjadinya Monsun di Kawasan Barat Indonesia, *Jurnal Agromen*, Vol.2, Edisi 2, hal. 160-173.

Chao, W.C. dan Chen, B., 2001, The Origin of Monsoons. *Journal Atmosphere Science*, Vol. 58, hal. 3497-3507.

Coppens, D. dan Haddad, Z.S., 2000, Effect of Raindrop Size Distribution Variationson Microwave Brightness Temperature Calculation, *Journal of Geophysical Research*, Vol. 105, No. 19, hal. 483-489.

Currier, P. E., Avery, S.K., Balsley, B., Gage, K.S., and Ecklund, W.L., 1992: Combined use of 50 MHz and 915 MHz wind profilers in the estimation of raindrop size distributions. *Geophysical Research Letters*, Vol. 19, hal. 1017-1020.

Das, S. dan Maitra, A., 2016, Vertical Profile of Rain : Ka Band Radar Observations at Tropical Locations, *Journal of Hydrology*, Vol. 534, hal. 31-41.

Edde, B., 1993, *Radar Principles, Technology, Applications*, Prentice-Hall, Mexico.

Erfien, N. dan Hermawan, E., 2010, Analisis Perilaku Angin di Lapisan 850 hPa Hasil Observasi Data WPR Dikaitkan dengan Perilaku Data Indeks Mon sun Global Indonesia, *Jurnal Sains Dirgantara*, Vol. 8, hal. 1-2.

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.

Fukao, S., Hashiguci, H., Yamamoto, M., Tsuda, T., Nakamura, T., and M.K. Yamamoto, 2003, Equatorial Atmosphere Radar (EAR): System description and first result, *Radio Science*, Vol. 38, hal. 19-36.

Fukao, S., 2006, Coupling Processes in the Equatorial Atmosphere (CPEA): A Project Overview, *Journal of the Meteorological Society of Japan*, Vol. 84A, hal. 1-18.

Hashiguchi, H., Fukao, S., Tsuda, T., Yamanaka, M.D., Tobing, D.L., Sribimawati, T., Harijono, S.W.B., and Wiryosumarto, H., 1995,

Observations of the planetary boundary layer over equatorial Indonesia with an L band clear-air Doppler radar: Initial results, *Radio Science*,Vol. 30, hal. 1043-1054.

Hermawan, E., 2010, Analisis Struktur Vertikal MJO Terkait dengan Aktivitas Super Cloud Clusters (SCC) di Kawasan Barat Indonesia, *Jurnal Sains Dirgantara*, Vol. 8, No. 1, hal. 25-42.

Hakim, G. J., dan Holton, J. R., 2012, *An Introduction to Dynamic Meteorology*, Academic Press, United Stated.

Hosking, J.R.M. dan Wallis, J.R., 1997, *Regional Frequency Analysis: An Approach Based on L-Moments*, Cambridge University Press, United Stated America.

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

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 L07803, doi: 10.1029/2004GL022340.

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

Lakitan, B., 1994, *Dasar-dasar Klimatologi*, Raja Grafindo Persada, Jakarta.

Laws, J. O. dan Parsons, D. A., 1943, The Relation of Raindrop-Size to Intensity, *Transactions American Geophysics Union*, Vol. 24, hal. 452-460.

Liu, G. dan Fu, Y.,2001, The Characteristics of Tropical Precipitation Profiles as Infered from Satellite Radar Measurements, *Journal of the Meteorological Society of Japan*, Vol. 79, No. 1, hal 131-143.

Madden, R.A. and Julian, P.R., 1971, Detection of a 40 – 50 Days Oscillation in the Zonal Wind in the Tropical Pasific, *Journal Of The Atmospheric Sciences*, Vol. 28, hal. 702-702.

Madden, R. A. dan Julian, P.R., 1994, Observations of the 40-50 Day Tropical Oscillation, *Monthly Wheater Review*, Vol. 122, hal. 814-837.

Maguire, W. B., II, and S. K. Avery, 1994: Retrieval of raindrop size distributions using two Doppler wind profilers: Model sensitivity testing. *Journal of Applied Meteorology*, Vol. 33**,** hal**.** 1623-1635.

Mallet, C. dan Barthes, L., 2009, Estimation of Gamma Raindrop Size Distribution Parameters: Statistical Flunctuations 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, M., Kozu, T., Shimonai, T., Randeu, W.L., Hashiguchi, H., Dan Shibagaki, Y., 2009, Diurnal Variation of Rain Attenuation Obtained from Measurement of Raindrop Size Distribution in Equatorial Indonesia, *IEEE Transaction on Antennas and Propagation*, Vol. 57, No. 4, hal. 1191-1196.

Marzuki, Kozu, T., Shimomai, T., Randeu, W.L., Hashiguchi, H., Vonnisa, M., 2010. Raindrop size distributions of convective rain over equatorial Indonesia during the first CPEA campaign. *Atmospheric Research*, Vol. 96, hal. 645–655.

Marzuki, Hashiguchi, H., Kozu, T., Shimomai, T., Shibagaki, Y., dan Y. Takahashi, Y., 2016, Precipitation microstructure in different Madden–Julian Oscillation phases over Sumatra, *Atmospheric Research*, Vol. 168, hal. 121-138.

Mori, S., Hamada, J.I., Yamanaka, M.D., Kodama, Y.M., Kawashima, M., Shimomai, T., Shibagaki, Y., Hashiguchi, H., Sribimawati, T., 2006. Vertical wind characteristics in precipitating cloud systems over west Sumatera, Indonesia, observed with equatorial atmosphere radar: Case study of 23–24 April 2004 during the first CPEA campaign period. *Journal of the Meteorological Society of Japan*, Vol. 84A, hal. 113–131.

Morita, J., Takayabu, Y.N., Shige, S., Kodama, Y., 2006. Analysis of rainfall characteristics of the Madden–Julian oscillation using TRMM satellite data. *Dynamics of Atmospheres and Oceans* , Vol. 42, hal. 107–126.

Nakazawa, T. 1988. Tripocal super cluster within interseasonal variations over the westrn pasific, *Journal of the Meteorological Society of Japan*, Vol. 66, hal. 823-839.

Owolawi, P., 2011, Raindrop Size Distribution Model for the Prediction of Rain

Attenuation in Durban, *PIERS Online*,Vol. 7, No.6, hal. 516-523.

Rajopadhyaya, D.K., May, P.T., dan Vincent, R.A., 1993, A Genereal Approach to the Retrieval of Raindrop Size Distribution from VHF Wind Profiler Doppler Spectra : Modeling result. *Journal of Atmospheric and Oceanic Technology*, Vol. 10, hal. 710-717.

Rajopadhyaya, D.K. and Avery, S.K., 1999, Comparison Of Precipitation Estimation Using Single- And Dual-Frequency Wind Profilers: Simulation And Experimental Result, *Journal Atmospheric and Oceanic Technology*, Vol.16, hal. 165 – 173.

Renggono, F. Dan M.K. Yamamoto, 2006, Raindrop Size Distribution Observed With The Equatorial Atmosphere Radar (EAR) During The Coupling Processes In The Equatorial Atmosphere (CPEA-I) observation campaign, *Radio Science*, Vol. 41, hal. 1-15.

Rogers, R.R. dan Yau, M.K., 1996, *A short Cours in Cloud Physics*, Edisi ketiga, Butterworth Heineman, Burlington, MA.

Rosenfeld, D. dan Ulbrich, C.W., 2003, Cloud Microphysical Properties, Processes, and Rainfall Estimation Opportunities, *Meteorological Monographs*, Vol. 52, hal. 237-258.

Sato, T., H. Doji, H. Iwai, and I. Kimura, 1990 : Computer processing for deriving drop-size distribution and vertical air velocities from VHF Doppler radar spectra, *Radio Science*, Vol. 25, hal. 961-973.

Schafer, R., Avery, S., May, P., Rajopadhyaya, D., dan Willliams, C., 2002, Estimation of Rainfall Drop Size Distributions from Dual-Frequency Wind Profiler Spectra Using Deconvolution and a Nonlinear Least Square Fitting Technique, *Journal of Atmospheric and Oceanic Technology*, Vol. 19, hal. 864-874.

Sheppard, B.E. dan Joe, P.I., 2008, Performance of the Precipitation Occurence Sensor System as a Precipitation Gauge, *Journal of Atmospheric and Technology*, Vol. 25, hal. 196-212.

Shibagaki, Y., Kozu, T., Shimomai, T., Mori, S., Murata, F., Fujiyoshi, Y., Hashiguchi, H., Fukao, S., 2006. Evolution of a super cloud cluster and the associated wind fields observed over the Indonesian Maritime Continent during the first CPEA campaign, *Journal of the Meteorological Society of Japan*, Vol. 84A, hal. 19-31.

Smith, P.L., 2003, Raindrop Size Distributions: Exponential or Gamma—Does the Difference Matter?, *Journal American Meteorological Society*, Vol. 42, hal. 1031-1034.

Takahashi, T., Yamaguchi, N., dan Kawano, T., 2001, Videosonde Observation of Torrential Rain During Baiu Season, *Atmospheric Reseacrh.*Vol.58, hal. 205-228.

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

Uijlenhoet, R., 2001, Raindrop Size Distributions and Radar Reflectivity - Rain Rate Relationships for Radar Hydrology, *Hydrology and Earth System Sciences*, Vol. 5, hal. 615– 628.

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., 1983, Natural Variations in the Analytical Form of the Raindrop Size Distribution, *Journal of Climate and Applied Meteorology*, Vol. 22, hal. 1764 – 1775.

Vonnisa, M., Kozu, T., dan Shimonai, T., 2014, Pengembangan Metode Dual-Frekuensi untuk Mengamati Distribusi Vertikal *Raindrop Size Distribution* (DSD) di Kototabang, *Jurnal Ilmu Fisika*,Vol. 6, hal. 52-58.

Wallace, J. M., dan Hobbs, P. V., 2006, *Atmospheric Science An Introductory Survey*, Academic Press, China.

Williams, C. R., Ecklund, W.L., and Gage, K.S., 1995: Classification of precipitating clouds in the Tropics using 915-MHz Wind Profiler, *Journal of Applied Meteorology*, Vol. 12, hal. 996-1012.

Wheeler, M.C., Hendon, H.H., 2004. An all-season real-time multivariate MJO index:development of an index for monitoring and prediction. *Monthly Weather Review*, Vol. 132, hal. 1917–1932.

https://www.shodor.org/os411/courses/411c/module07/unit03/images/collision.gi, diakses tanggal 20 Juli 2016 pukul 14.00 WIB.

http://www.geography.hunter.cuny.edu/tbw/wc.notes/5.cond.precip/precipitation/bergeron_process.htm, diakses tanggal 20 Juli 2016 pukul 14.30 WIB.

http://www.coa.edu/stodd/oceanweb/oceanography/Oceanlectures02/Lecture5/sld015.htm, diakses tanggal 26 Juli 2016 pukul 10.00 WIB.

https://www.climate.gov/news-features/blogs/enso/what-mjo-and-why-do-wecare, diakses tanggal 12 Agustus 2016 pukul 13.00 WIB.

http://www.bom.gov.au/climate/mjo/ , diakses tanggal 9 Januari 2017 pukul 16.00 WIB.