DAFTAR PUSTAKA

Adib, M., 2014, Pemanasan Global, Perubahan Iklim, Dampak dan Solusinya di Sektor Pertanian, *BioKultur*, Vol. 3, No. 2, Hal. 420–429.

Aditya, F., Gusmayanti, E., & Sudrajat, J., 2021, Rainfall trend analysis using Mann-Kendall and Sen's slope estimator test in West Kalimantan, *IOP Conference Series: Earth and Environmental Science*, Vol. 893, No. 1, 12006.

Ahrens, C. D., & Henson, R., 2016, *Essentials of meteorology: An invitation to the atmosphere* Cengage Learning.

Aldrian, E., 2008, Meteorologi Laut Indonesia, *Jakarta: Badan Meteorologi dan Geofisika*, Hal. 242–243.

Cainey, J. M., 2007, Understanding the origin of clouds, *Environmental Chemistry*, Vol. 4, No. 3, Hal. 141–142.

Chao, W. C., & Chen, B., 2001, The origin of monsoons, *Journal of the Atmospheric Sciences*, Vol. 58, No. 22, Hal. 3497–3507.

Costa-Surós, M., Calbó, J., González, J. A., & Long, C. N., 2014, Comparing the cloud vertical structure derived from several methods based on radiosonde profiles and ground-based remote sensing measurements, *Atmospheric Measurement Techniques*, Vol. 7, No. 8, Hal. 2757–2773.

Darmawan, Y., Hsu, H.-H., & Yu, J.-Y., 2021, Characteristics of large-scale circulation affecting the inter-annual precipitation variability in northern sumatra island during boreal summer, *Atmosphere*, Vol. 12, No. 2, Hal. 136.

EAR Management Group, 2005, *Backscatter obtained with a ceilometer at Equatorial Atmosphere Observatory*. https://www.rish.kyoto-u.ac.jp/ear/ceilometer/index.html

Evana, L., Effendy, S., & Hermawan, E., 2008, Pengembangan Model Prediksi Madden Julian Oscillation (Mjo) Berbasis Pada Hasil Analisis Data Real TIME Multivariate Mjo (Rmm1 Dan Rmm2)(Prediction Model Development Madden Julian Oscillation (Mjo) Based on the Results of Data Analysis..., *Agromet*, Vol. 22, No. 2, Hal. 144–159.

Gebremariam, S., Li, S., & Weldegaber, M., 2018, Observed correlation between aerosol and cloud base height for low clouds at Baltimore and New York, United States, *Atmosphere*, Vol. 9, No. 4, Hal. 143.

Goren, T., Rosenfeld, D., Sourdeval, O., & Quaas, J., 2018, Satellite observations

of precipitating marine stratocumulus show greater cloud fraction for decoupled clouds in comparison to coupled clouds, *Geophysical Research Letters*, Vol. 45, No. 10, Hal. 5126–5134.

Guo, J., Su, T., Li, Z., Miao, Y., Li, J., Liu, H., Xu, H., Cribb, M., & Zhai, P., 2017, Declining frequency of summertime local-scale precipitation over eastern China from 1970 to 2010 and its potential link to aerosols, *Geophysical Research Letters*, Vol. 44, No. 11, Hal. 5700–5708.

Herizon, P., 2021, *PENGARUH MJO TERHADAP STRUKTUR VERTIKAL AWAN DI SUMATERA DARI PENGAMATAN RADIOSONDE DAN CEILOMETER SELAMA CPEA-I DAN CPEA-II* Universitas Andalas.

Khoir, A. N., & Safril, A., 2018, The influence of strong El Niño to seasonal variability in Sumatera, *AIP Conference Proceedings*, Vol. 1987, No. 1.

Khvorostyanov, V. I., & Curry, J. A., 2014, *Thermodynamics, kinetics, and microphysics of clouds* Cambridge University Press.

Kubota, H., Shirooka, R., Ushiyama, T., Chen, J., Chuda, T., Takeuchi, K., Yoneyama, K., & Katsumata, M., 2006, Observations of the structures of deep convections and their environment during the active phase of an Madden-Julian oscillation event over the equatorial western Pacific, *Journal of the Meteorological Society of Japan. Ser. II*, Vol. 84, No. 1, Hal. 115–128.

Lee, S., Hwang, S.-O., Kim, J., & Ahn, M.-H., 2018, Characteristics of cloud occurrence using ceilometer measurements and its relationship to precipitation over Seoul, *Atmospheric Research*, Vol. 201, Hal. 46–57.

Li, Z., Lau, W., Ramanathan, V., Wu, G., Ding, Y., Manoj, M. G., Liu, J., Qian, Y., Li, J., & Zhou, T., 2016, Aerosol and monsoon climate interactions over Asia, *Reviews of geophysics*, Vol. 54, No. 4, Hal. 866–929.

Lismalini, L., Marzuki, M., & Shafii, M. A., 2021, Long-Term Change in Characteristics of Cloud Vertical Structures Over Sumatra from Radiosonde Observations, *Jurnal Ilmu Fisika*, Vol. 13, No. 1, Hal. 41–53.

Lismalini, & Marzuki, 2020, Long-term change in characteristics of cloud vertical structures in Padang from radiosonde observations, *Journal of Physics: Conference Series*, *1528*(1). https://doi.org/10.1088/1742-6596/1528/1/012058

Ma, Y., Xin, J., Zhang, W., & Wang, Y., 2016, Optical properties of aerosols over a tropical rain forest in Xishuangbanna, South Asia, *Atmospheric Research*, Vol. 178, Hal. 187–195.

Madden, R. A., & Julian, P. R., 1994, Observations of the 40–50-day tropical oscillation—A review, *Monthly weather review*, Vol. 122, No. 5, Hal. 814–837.

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

Marzuki, M., Hashiguchi, H., Yamamoto, M. K., Yamamoto, M., Mori, S., Yamanaka, M. D., Carbone, R. E., & Tuttle, J. D., 2013, Cloud episode propagation over the Indonesian Maritime Continent from 10 years of infrared brightness temperature observations, *Atmospheric research*, Vol. 120, Hal. 268–286.

Marzuki, M., Yusnaini, H., Tangang, F., Muharsyah, R., Vonnisa, M., & Harmadi, H., 2022, Land–sea contrast of diurnal cycle characteristics and rain event propagations over Sumatra according to different rain duration and seasons, *Atmospheric Research*, Vol. 270, 106051.

Marzuki, Vonnisa, M., Rahayu, A., & Hashiguchi, H., 2017, Cloud statistics over the Indonesian Maritime Continent during the first and second CPEA campaigns, *Atmospheric Research*, Vol. 189, Hal. 99–110. https://doi.org/10.1016/J.ATMOSRES.2017.01.019

Monica, M., n.d. *Analisis Keterkaitan Struktur Vertikal Atmosfer Terhadap Pembentukan Awan Kovektif (Studi Kasus: Bandara Soekarno Hatta).*

Mulyanti, H., & Harjono, R., n.d. MI (2020). Penurunan Intensitas Hujan Ekstrem di Bengawan Solo Hilir dan Hubungannya dengan ENSO, *Jurnal Ilmu Lingkungan*, Vol. 18, No. 1, Hal. 73–81.

Münkel, C., & Roininen, R., 2010, Automatic monitoring of boundary layer structures with ceilometers, *Vaisala News*, Vol. 184.

Nugraheny, D., 2015, Metode Nilai Jarak guna Kesamaan atau Kemiripan Ciri suatu Citra (kasus deteksi awan cumulonimbus menggunakan principal component analysis), *Angkasa: Jurnal Ilmiah Bidang Teknologi*, Vol. 7, No. 2, Hal. 21–30.

Nugroho, B. D. A., 2021, *Penerapan Klimatologi Dalam Pertanian 4.0* Deepublish.

Pratama, R., Putranto, M. F., Rahmatia, F., Juaeni, I., Harjupa, W., Nauval, F., & Marzuki, M., 2022, Comparison of Cloud Base Height in Kototabang from Ceilometer, Radiosonde and Himawari-8 Observations During 2016–2020, *Proceedings of the International Conference on Radioscience, Equatorial*

Atmospheric Science and Environment and Humanosphere Science, 2021, Hal. 559–565.

Roland, S., 2015, Practical Meteorology: An Algebra-based Survey of Atmospheric Science, *The University of British Columbia Vancouver, Canada*.

Román, R., Cazorla, A., Toledano, C., Olmo, F. J., Cachorro, V. E., de Frutos, A., & Alados-Arboledas, L., 2017, Cloud cover detection combining high dynamic range sky images and ceilometer measurements, *Atmospheric research*, Vol. 196, Hal. 224–236.

Samarantika, S., & Kamus, Z., 2018, Studi instrumen ceilometer allweather 8339 dan data hasil pengukuran di Stasiun Meteorologi Minangkabau Padang (Study of the allweather 8339 ceilometer instrument and measurement data at the Minangkabau Meteorological Station, Padang), *PILLAR OF PHYSICS*, *11*(1).

Sankhala, D. K., Deb, S. K., Sharma, S. K., & Lal, S., 2020, Inter-comparison of INSAT-3D atmospheric motion vectors height with cloud-base height from a Ceilometer, *International Journal of Remote Sensing*, Vol. 41, No. 8, Hal. 2946–2961.

Stefan, S., Ungureanu, I., & Grigoras, C., 2014, A Survey of Cloud Cover over Măgurele, Romania, Using Ceilometer and Satellite Data, *Romanian Reports in Physics*, Vol. 66, No. 3, Hal. 812–822.

Stephens, G. L., Li, J., Wild, M., Clayson, C. A., Loeb, N., Kato, S., L'ecuyer, T., Stackhouse, P. W., Lebsock, M., & Andrews, T., 2012, An update on Earth's energy balance in light of the latest global observations, *Nature Geoscience*, Vol. 5, No. 10, Hal. 691–696.

Stevens, B., 2010, Twelve Lectures on Cloud Physics, *Max Planck Institute for Meteorology-University of Hamburg*.

Tian, B., Waliser, D. E., Fetzer, E. J., & Yung, Y. L., 2010, Vertical moist thermodynamic structure of the Madden–Julian oscillation in atmospheric infrared sounder retrievals: An update and a comparison to ECMWF Interim Re-Analysis, *Monthly Weather Review*, Vol. 138, No. 12, Hal. 4576–4582.

Tjasyono, B., 2012, Mikrofisika Awan dan Hujan, *Badan Meteorologi Klimatologi dan Geofisika*, Hal. 9–10, Badan Meteorologi Klimatologi dan Geofisika: Bandung.

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, No. 8, Hal. 1917–1932.

Winarno, G. D., Harianto, S. P., & Santoso, R., 2019, *Praktek Meteorologi Pertanian* Pusaka Media, Jakarta.

Zhou, C., Zelinka, M. D., & Klein, S. A., 2016, Impact of decadal cloud variations on the Earth's energy budget, *Nature Geoscience*, Vol. 9, No. 12, Hal. 871–874.