

## DAFTAR PUSTAKA

- [1] R. P. E. R. F. Value and A. R. Gauge, "Hubungan petir cg dengan curah hujan di denpasar menggunakan korelasi spearman dan nilai ryf," pp. 89–101.
- [2] M. A. da S. Ferro, J. Yamasaki, D. R. M. Pimentel, K. P. Naccarato, and M. M. F. Saba, "Lightning risk warnings based on atmospheric electric field measurements in Brazil," *J. Aerosp. Technol. Manag.*, vol. 3, no. 3, pp. 301–310, 2011, doi: 10.5028/jatm.2011.03032511.
- [3] A. Fort *et al.*, "Design , Modeling , and Test of a System for Atmospheric Electric Field Measurement," vol. 60, no. 8, pp. 2778–2785, 2011.
- [4] P. Emeraldi, J. T. Elektro, F. Teknik, and U. Andalas, "Karakteristik Medan Listrik Atmosfer Kota Padang," no. 1, 2017.
- [5] L. Detector, D. A. N. Hellman, and D. In, "Analisis karakteristik diurnal petir dan curah hujan berdasarkan data lightning detector dan helmann di medan," pp. 125–138, 2017.
- [6] A. K. Vadreass, P. Emeraldi, A. Hazmi, T. Elektro, and U. Andalas, "Vol : 3 No . 2 September 2014 ISSN : 2302 - 2949 SISTEM INFORMASI PETIR ( SIP ) DENGAN METODE LIGHTNING DISTRIBUTION ( LD ) DI WILAYAH SUMATERA BARAT Jurnal Nasional Teknik Elektro Jurnal Nasional Teknik Elektro," no. 2, pp. 177–182, 2014.
- [7] A. Jihad and I. R. Sania, "Identifikasi Pola Penurunan Petir Cloud To Ground (Cg) Tahun 2014 Di Provinsi Aceh," pp. 1–5, 2014.
- [8] J. R. Dwyer and M. A. Uman, "The physics of lightning," *Phys. Rep.*, vol. 534, no. 4, pp. 147–241, 2014, doi: 10.1016/j.physrep.2013.09.004.
- [9] D. J. Malan, *Physics of lightning*. English Universities Press, 1964.
- [10] V. A. R. A. M. A. Uman, *Lightning Physics and Effects*. Department of Electrical and Computer Engineering University of Florida.
- [11] J. M. Meek and F. R. Perry, *The lightning discharge*, vol. 10, no. 1. 1944. doi: 10.1088/0034-4885/10/1/312.
- [12] X. Qie, Y. Yu, C. Guo, P. Laroche, G. Zhang, and Q. Zhang, "Some features of stepped and dart-stepped leaders near the ground in natural negative cloud-to-ground lightning discharges," *Ann. Geophys.*, vol. 20, no. 6, pp. 863–870, 2002, doi: 10.5194/angeo-20-863-2002.
- [13] Suparyanto and Rosad, "Buletin Geofisika," 2021.
- [14] C. Storm and S. Storm, "LD-350 Lightning Detector LD-350 Lightning Detector Alarms," vol. 1, no. 905, 2019.
- [15] S. Mulyadi and A. Hazmi, "Deteksi Lokasi Petir Dengan Metoda Magnetic Direction Finder," *J. Nas. Tek. Elektro*, vol. 3, no. 2, pp. 132–141, 2014, doi: 10.20449/jnte.v3i2.77.

- [16] A. Alammari *et al.*, “Lightning mapping: Techniques, challenges, and opportunities,” *IEEE Access*, vol. 8, pp. 190064–190082, 2020, doi: 10.1109/ACCESS.2020.3031810.
- [17] N. E. Joby, “Electric Field Characteristics during a Thunder- storm,” 2017.
- [18] P. Emeraldi and A. Hazmi, “Karakteristik Medan Listrik Atmosfer Kota Padang dan Hubungannya dengan Sambaran Petir Awan ke Tanah,” *J. Nas. Tek. Elektro*, vol. 6, no. 1, p. 12, 2017, doi: 10.25077/jnte.v6n1.385.2017.
- [19] B. L. D. System, “Boltek.” <https://www.boltek.com/product/efm-inv-m-inverted-mounting-kit> (accessed Mar. 20, 2023).
- [20] M. J. Murphy, R. L. Holle, and N. W. S. Demetriades, “Cloud-to-ground lightning warnings using electric field mill and lightning observations,” *20th Int. Light. Detect. Conf.*, 2008.
- [21] Boltek Corporation, “EFM-100 Atmospheric Electric Field Monitor: Installation / Operators Guide,” *Changes*, 2015.
- [22] M. Marco Antonio da Silva Ferro, “Lightning risk warnings based on atmospheric electric field measurements in Brazil,” *J. Aerosp. Technol. Manag.*, pp. 301–310, 2011.
- [23] Z. Agorastou, T. Noulis, and S. Siskos, “Analog Sensor Interface for Field Mill Sensors in Atmospheric Applications,” *Sensors*, vol. 22, no. 21, 2022, doi: 10.3390/s22218405.
- [24] H. Bloemink, “Static electricity measurements for lightning warnings - an exploration,” *R. etherlands Meteorol. Inst.*, p. 28, 2013.
- [25] D. Aranguren, J. Montanya, G. Solá, V. March, D. Romero, and H. Torres, “On the lightning hazard warning using electrostatic field: Analysis of summer thunderstorms in Spain,” *J. Electrostat.*, vol. 67, no. 2–3, pp. 507–512, 2009, doi: 10.1016/j.elstat.2009.01.023.
- [26] K. A. Boyarchuk, A. M. Lomonosov, S. A. Pulinets, and V. V. Hegai, “Impact of Radioactive Contamination on Electric characteristics of the atmosphere. New Remote Monitoring Technique,” *BRAS Physics/Supplement Phys. Vib.*, vol. 61, no. 4, pp. 260–266, 1997.
- [27] J. Montanya, J. Bergas, and B. Hermoso, “Electric field measurements at ground level as a basis for lightning hazard warning,” *J. Electrostat.*, vol. 60, no. 2–4, pp. 241–246, 2004, doi: 10.1016/j.elstat.2004.01.009.