

DAFTAR PUSTAKA

- [1] A. Pranoto, H. Tumaliang, and G. M. C. Mangindaan, "Analisa Sistem Pentanahan Gardu Induk Teling Dengan Konstruksi Grid (Kisi-kisi)," *J. Tek. Elektro dan Komput.*, vol. 7, no. 3, pp. 189–198, 2018.
- [2] J. I. I. Teknik, P. Studi, T. Elektro, F. Teknik, and U. P. Marga, "Jurnal Energy Guidelines for Retaining Protection of Substation Equipment," vol. 9, no. 1, pp. 48–53, 2019.
- [3] D. Prasad and H. C. Sharma, "Significance of Step and Touch Voltages," *Int. J. Soft Comput. Eng. ISSN 2231-2307, Vol. Issue-5, Novemb. 2011*, no. 5, pp. 193–197, 2011.
- [4] IEEE Std 80, *Guide for Safety In AC Substation Grounding*, vol. 2000, no. February. 2000.
- [5] Md. A. Salam and Q. M. Rahman, *Power Systems Power Systems Grounding*, vol. 40, no. 5. 2016. [Online]. Available: <http://www.springer.com/series/4622>
- [6] CYME International T&D inc, "User's guide and reference manual CYMGRD 6.3 for Windows," no. October, 2006, [Online]. Available: <http://www.cyme.com>
- [7] M. Taheri and M. Parhamfar, "CYMGRD رازفا مرن," no. November, 2024.
- [8] V. M. N. Dladla, A. F. Nnachi, and R. P. Tshubwana, "Design, Modeling, and Analysis of IEEE Std 80 Earth Grid Design Refinement Methods Using ETAP," *Appl. Sci.*, vol. 13, no. 13, 2023, doi: 10.3390/app13137491.
- [9] S. Muhsinin, "Evaluasi Pengaruh Perubahan Konduktor Rod Terhadap Resistansi Pentanahan GITET 500 KV Ungaran," *Cyclotron*, vol. 5, no. 1, 2022, doi: 10.30651/cl.v5i1.10699.
- [10] D. A. N. Tegangan, P. Gitet, and K. V Bengkayang, "Evaluasi Tegangan Sentuh Tegangan Langkah dan Tegangan Pindah GITET 275 kV Bengkayang".
- [11] J. Panjaitan, M. Muchlisin, A. Pakpahan, and R. Sirait, "Rancangan Sistem Pentanahan Gardu Induk Berdasarkan Variasi Luas Area dan Jumlah Elektroda Design Of A Main Substation Grounding System Based On Variations In Area and Number Of Electrodes," vol. 6, pp. 206–211, 2024.
- [12] H. Sulthanah, "TEGANGAN LANGKAH PADA PENTANAHAN GARDU INDUK 275 KV PAYAKUMBUH Program Studi Teknik Elektro Fakultas Teknik Universitas Andalas," 2024.
- [13] Riyanto, "Analisis Perancangan Sistem Pentanahan Grid Secara Optimal pada Sistem Tenaga Listrik," *J. Tek. Elektro*, vol. 10, no. 1, pp. 55–64, 2021.
- [14] C. Engineering, "Grounding System Theory and Practice," no. 877, 2016.
- [15] J. Teknologi and E. Uda, "Studi Pembumian Peralatan Dan Sistem Instalasi Listrik Pada Gedung Kantor Bictpt. Pelindo I (Persero) Belawan," *J. Tek. Elektro*, vol. VIII, no. 2, pp. 96–101, 2019.
- [16] Y. U. P. Arum Kusuma Wardhany, Anicentus Damar Aji , Muhammad Reyhan Maydioputra, Adi Irawan, "Optimasi Sistem Pembumian Dengan Penerapan Politeknik Negeri Jakarta," vol. 23, no. 2, pp. 123–136, 2023.
- [17] J. D. McDonald, *Electric power substations engineering*. 2004. doi: 10.1201/9780203486498.
- [18] A. Riyanto and J. W. Simatupang, "Analisis Sistem Pentanahan Jaringan

- Gardu Induk 150 Kv Pt Bekasi Power Cikarang,” *Jkte Uta '45 Jakarta*, vol. 4, no. 1, pp. 57–70, 2019, [Online]. Available: <file:///C:/Users/User/Documents/1409-4102-1-PBPublishedinJKTEUniv17Aug45JKT.pdf>
- [19] A. Qamar, I. U. Haq, M. Alhaisoni, and N. N. Qadri, “Detecting Grounding Grid Orientation: Transient Electromagnetic Approach,” *Appl. Sci.*, vol. 9, no. 24, pp. 1–15, 2019, doi: 10.3390/app9245270.
- [20] H. Farooq, W. Ali, H. Iqbal, A. Rasool, I. A. Sajjad, and A. A. Noon, “Evaluation of the safety performance of a 500-kv ac substation grounding using ieee standard 80-2013,” *Electrica*, vol. 21, no. 2, pp. 225–234, 2021, doi: 10.5152/electrica.2021.20086.
- [21] E. Yuniarti, D. Hermanto, and P. Ahmadi, “Penggunaan Gypsum dan Magnesium Sulfat Sebagai Upaya Menurunkan Nilai Resistansi Pentanahan,” *J. Surya Energy*, vol. 2, no. 1, pp. 140–148, 2017.
- [22] N. S. M. Nazar, S. Thanakodi, and H. Muhammad, “New waste material to enhance the performance of grounding system,” *Telkomnika (Telecommunication Comput. Electron. Control.)*, vol. 15, no. 4, pp. 1530–1539, 2017, doi: 10.12928/TELKOMNIKA.v15i4.7231.
- [23] F. Muallifah, “Perancangan Dan Pembuatan Alat Ukur Resistivitas Tanah,” *J. Neutrino*, vol. 1, no. 2, pp. 179–197, 2012, doi: 10.18860/neu.v0i0.1629.
- [24] A. Phayomhom, S. Sirisumrannukul, T. Kasirawat, and A. Puttarach, “Safety design planning of ground grid for outdoor substations in MEA’s power distribution system,” *ECTI Trans. Electr. Eng. Electron. Commun.*, vol. 9, no. 1, pp. 102–112, 2011, doi: 10.37936/ecti-eeec.201191.172320.
- [25] S. S. M. Ghoneim, “Analytical methods of earth surface potential calculation for grounding grids,” *Int. J. Eng. Comput. Sci.*, vol. 13, no. June 2013, pp. 3–47, 2013, [Online]. Available: <https://www.researchgate.net/publication/287492240>

