



## DAFTAR PUSTAKA

- Agung, I.G. *et al.* (2024) ‘PENGGUNAAN UNIFIED POWER FLOW CONTROLLER ( UPFC ) UNTUK MENINGKATKAN PROFIL TEGANGAN PADA SISTEM KELISTRIKAN 150 KV BALI’, pp. 1–12.
- Akmal, F. *et al.* (2024) ‘Penerapan Metode Weibull pada Penentuan Umur dan Keandalan Ripper Tip Bulldozer Caterpillar Tipe D10T’, 12(1), pp. 1–8.
- Ansori, N. and Mustajib, M.I. (2014) ‘Sistem Perawatan Terpadu (Integrated Maintenance System)’, Yogyakarta: Graha Ilmu, pp. 24–32.
- Aribowo, D. *et al.* (2018) ‘Pmt 4’, pp. 59–65.
- Birolini, A. (2006) ‘Reliability Engineering Theory and Practice’, p. 495.
- Dehghanian, P. *et al.* (2019) ‘Real-Time Life-Cycle Assessment of High-Voltage Circuit Breakers for Maintenance Using Online Condition Monitoring Data’, *IEEE Transactions on Industry Applications*, 55(2), pp. 1135–1146. Available at: <https://doi.org/10.1109/TIA.2018.2878746>.
- Ebeling, C.E. (1997) ‘an-Introduction-To-Reliability-and-Maintainability-Engineering-By-Charles-Ebeling-’, *An Introduction To Reliability And Maintainability Engineering*, p. 486.
- Fajaruddin, M. (2014) ‘Pemeliharaan Baterai Pada Gardu Induk Gis Listrik Medan’, *Circle Archive*, pp. 1–10. Available at: <https://circle-archive.com/index.php/carc/article/view/34%0Ahttps://circle-archive.com/index.php/carc/article/download/34/30>.
- Goeritno, A. *et al.* (2018) ‘Kinerja Pemutus Tenaga Tegangan Tinggi Bermedia Gas SF6 Berdasarkan Sejumlah Parameter Diri’, *Eeccis*, 12(2), pp. 104–111.
- Hafid, A. and Debiana, D. (2019) ‘Studi Transformator Pada Gardu Induk Panakkukang Perusahaan Listrik Negara Wilayah III’, *Vertex Elektro*, 1(2), pp. 12–18. Available at: <https://doi.org/10.26618/jte.v1i2.2380>.
- IEEE Standard Definitions for Power Switchgear (1992) ‘IEEE Standard Definitions for Power Switchgear’, *IEEE Std C37.100-1992*, 1992, p. 80.
- Juliansyah, D.N. (2019) ‘Studi Analisis Perkiraan Umur Transformator Di Gardu Induk Bantul 150 KV’, *Repository UMY*, 2(5), p. 98. Available at: ???
- Lin, O.Z. and Miyauchi, H. (2017) ‘Reliability forecasting in distribution system considering variable failure rate: Combination of equipment inspection method and Weibull analysis’, *International Review of Electrical Engineering*, 12(1), pp. 67–72. Available at: <https://doi.org/10.15866/iree.v12i1.11054>.
- Lubna Nadra Hasti and Irwanto (2023) ‘Maintenance Circuit Breaker SF6 kV Unit 3-4 di PT.Indonesia Power Suralaya’, *Jtmei*, 2(1), pp. 205–216.
- Mangkuto, R.A. *et al.* (2019) ‘Program Studi Teknik Fisika, Fakultas Teknologi Industri’,



Jl. Ganeshha, 8(3), pp. 18–27.

- Meliala, S. *et al.* (2021) ‘Studi Kapasitas Baterai 110 Volt Dc Unit I Pada Gardu Induk 150 Kv Bireuen’, *Jurnal Energi Elektrik*, 10(2), p. 1. Available at: <https://doi.org/10.29103/jee.v10i2.6202>.
- Pambudi, A.S. (2014) ‘Pengujian Keserempakan Pemutus Tenaga (PMT) Three Pole 150 kV Bay Trafo Gardu Induk Simulator Udisklat Semarang (TLM Academy)’, pp. 3–8.
- Prabhakar Murthy, D. N., Xie, M., & Jiang, R. (2004) *Weibull Models, Journal of the American Statistical Association*. Available at: <https://doi.org/10.1198/jasa.2005.s36>.
- Pranowo (2019) *SISTEM DAN MANAJEMEN PEMELIHARAAN (MAINTENANCE: SYSTEM AND MANAGEMENT)*.
- PT PLN (PERSERO) (2019) ‘Buku Pedoman Pemeliharaan Pemisah (PMS)’, p. 69.
- Rizki Indra Pangestu (2019) ‘Analisis Kinerja Circuit Breaker PADA SISI 150 kV Gardu Induk Lamhotma’, *Jurnal UISU*, pp. 76–82.
- Robaga (2014) ‘Buku Pedoman Pemutus Tenaga’, *Jakarta* [Preprint], (0520–2.K/DIR).
- Ronald E. Walpole *et al.* (1995) *Probability and Statistics for Engineers and Scientists*.
- Siallagan, J.Y. *et al.* (2021) ‘Studi Kebutuhan Perencanaan Pemasangan Busbar Proteksi Pada Gardu Induk Dumai PT. PLN (Persero) UPT Pekanbaru’, *Jurnal Teknik*, 15(2), pp. 94–103. Available at: <https://doi.org/10.31849/teknik.v15i2.6623>.
- Suntaranurak, J. *et al.* (2020) ‘Lifetime Estimation of Switching Devices Using Weibull Distribution Analysis’, *17th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology, ECTI-CON 2020*, pp. 413–416. Available at: <https://doi.org/10.1109/ECTI-CON49241.2020.9158112>.
- Suwanasri, C., Suwnansri, T., *et al.* (2014) ‘Analysis of failure data to determine the failure pattern of HV circuit breaker components’, *2014 International Electrical Engineering Congress, iEECON 2014*, pp. 6–9. Available at: <https://doi.org/10.1109/iEECON.2014.6925872>.
- Suwanasri, C., Lipirodjappong, S., *et al.* (2014) ‘Failure rate analysis of circuit breaker and its preventive maintenance application’, *2014 International Conference on Probabilistic Methods Applied to Power Systems, PMAPS 2014 - Conference Proceedings* [Preprint]. Available at: <https://doi.org/10.1109/PMAPS.2014.6960623>.
- Suwanasri, T. *et al.* (2014) ‘Failure Rate Analysis of Power Circuit Breaker in High Voltage Substation’, *Gmsarn International Journal*, 95(24472), pp. 1-6. Date Accessed: 5th September 2022.
- Unaijah, U. and Darwis, S. (2022) ‘Prediksi Sisa Umur Bearing Menggunakan Distribusi Weibull’, pp. 75–84.



UNIVERSITAS  
GADJAH MADA

Analisis Mean Time Between Failure dan Reliability Pemutus Tenaga 150 kV Gardu Induk Bantul  
Menggunakan Metode Maximum Likelihood Estimation

ARSYA HILMANA RACHMANTO, Candra Febri Nugraha, S.T., M.Eng.

Universitas Gadjah Mada, 2024 | Diunduh dari <http://etd.repository.ugm.ac.id/>

---

Wallace R. Blischke, D.N.P.M. (2000) *Reliability: Modeling, Prediction, and Optimization.*

Yoder, P.R. and Vukobratovich, D. (2017) *Fourth edition: Opto-mechanical systems design: Design and analysis of opto-mechanical assemblies, Fourth Edition: Opto-Mechanical Systems Design: Design and Analysis of Opto-Mechanical Assemblies.* Available at: <https://doi.org/10.1201/b18147>.

Yusri, A.Z. dan D. (2015) ‘ANALISA KEANDALAN RELAI JARAK SEBAGAI PENGAMAN UTAMA PADA SALURAN UDARA TEGANGAN TINGGI 70 KV DI GARDU INDUK BOOM BARU – SEDUDUK PUTIH’, *Jurnal Ilmu Pendidikan*, 7(2), pp. 809–820.