



## DAFTAR PUSTAKA

- [1] Tumiran and Tim, *Perspektif Akademik Menuju Industri Kelistrikan yang Sehat untuk Mendukung Transisi Energi*, cetakan pertama ed., R. Ariyanto, Ed. Yogyakarta: CV Bintang Semesta Media, 2024, penata letak: Putri Nurwanti dan Ryan Ariyanto; Perancang sampul: Budi Kusriyanto dan Ryan Ariyanto.
- [2] G. Rosyadi, R. Syahputra, and F. Mujaahid, “Electrical power distribution network reliability: A case study in wates substation, yogyakarta, indonesia,” *Journal of Electrical Technology UMY*, vol. 2, no. 2, pp. 53–59, Jun. 2018, accessed: 2025-12-27. [Online]. Available: <https://journal.umy.ac.id/index.php/jet/article/download/7870/4814>
- [3] *IEEE Std 1366-2022: IEEE Guide for Electric Power Distribution Reliability Indices*, IEEE Standards Association Std., 2022.
- [4] G. H. Kjølle, K. Samdal, B. Singh, and O. Kvitastein, “Customer costs related to interruptions and voltage problems: Methodology and results,” *IEEE Transactions on Power Systems*, vol. 23, no. 3, pp. 1030–1038, Aug. 2008, accessed: 2025-12-27.
- [5] Council of European Energy Regulators (CEER), “Guidelines of good practice on estimation of costs due to electricity interruptions and voltage disturbances,” Council of European Energy Regulators (CEER), Tech. Rep. C10-EQS-41-03, Dec. 2010, ref: C10-EQS-41-03. Accessed: 2025-12-27. [Online]. Available: [https://www.ceer.eu/wp-content/uploads/2024/04/C10-EQS-41-03\\_GGP-interruptions-and-voltage\\_7-Dec-2010.pdf](https://www.ceer.eu/wp-content/uploads/2024/04/C10-EQS-41-03_GGP-interruptions-and-voltage_7-Dec-2010.pdf)
- [6] I. Hajar and M. H. Pratama, “Analisa nilai saidi saifi sebagai indeks keandalan penyediaan tenaga listrik pada penyulang cahaya pt. pln (persero) area ciputat,” *Energi & Kelistrikan*, vol. 10, no. 1, pp. 70–77, Feb. 2019, published: 2019-02-06. Accessed: 2025-12-27. [Online]. Available: <https://jurnal.itpln.ac.id/energi/article/view/330>
- [7] C. R. Sastry and X. Gang, “Integrated outage management system: An effective solution for power utilities to address customer grievances,” *International Journal of Electronic Customer Relationship Management*, vol. 1, no. 1, pp. 30–40, 2007, accessed: 2025-12-27.
- [8] M. Kezunovic, W. Jewell, Y. Dong, and V. Aravinthan, “Integration of asset and outage management tasks for distribution application,” Power Systems Engineering Research Center (PSERC), Final Report Project T-36 / Report 09-11, Oct. 2009, cari berkas proyek T-36 pada halaman PSERC 2009 reports. Accessed: 2025-12-27. [Online]. Available: [https://documents.pserc.wisc.edu/documents/publications/reports/2009\\_reports/](https://documents.pserc.wisc.edu/documents/publications/reports/2009_reports/)
- [9] U.S. Department of Energy, “Advanced metering infrastructure and customer systems: Results from the smart grid investment grant program,” U.S. Department of Energy (DOE), Report, Sep. 2016, accessed: 2025-12-27. [Online]. Available: [https://www.energy.gov/sites/prod/files/2016/12/f34/AMI%20Summary%20Report\\_09-26-16.pdf](https://www.energy.gov/sites/prod/files/2016/12/f34/AMI%20Summary%20Report_09-26-16.pdf)



- [10] M. Kornatka, “Advanced metering infrastructure—towards a reliable network,” *Energies*, vol. 14, no. 18, p. 5986, 2021, article number 5986. Accessed: 2025-12-27.
- [11] R. Billinton and P. Wang, “Reliability-network-equivalent approach to distribution-system-reliability evaluation,” *IEE Proceedings - Generation, Transmission and Distribution*, vol. 145, no. 2, pp. 149–153, Mar. 1998.
- [12] T. D. D. Bobo, W. F. Galla, and E. R. Mauboy, “Analisis keandalan pada jaringan distribusi penyulang oesao, camplong dan buraen,” *Jurnal Media Elektro*, vol. 8, no. 1, pp. 62–68, Apr. 2019. [Online]. Available: <https://ejurnal.undana.ac.id/index.php/jme/article/view/964>
- [13] Muliadi and J. Aswijar, “Analisa keandalan sistem distribusi berdasarkan indeks saifi, saidi, dan caidi pada penyulang suak ribee ulp. meulaboh kota,” *Aceh Journal of Electrical Engineering and Technology*, vol. 2, no. 1, pp. 14–18, Jun. 2022.
- [14] M. Imran, A. Bintoro, and Ezwarsyah, “Analisa keandalan sistem distribusi tenaga listrik untuk wilayah kota lhokseumawe di pt. pln (persero) rayon kota lhokseumawe,” *Jurnal Energi Elektrik*, vol. 8, no. 1, pp. 42–47, 2019. [Online]. Available: <https://ojs.unimal.ac.id/energi-elektrik/article/download/2410/pdf/6110>
- [15] Nirmalasari, T. I. Yusuf, and Y. Mohamad, “Analisis nilai indeks keandalan sistem distribusi primer pt. pln (persero) ulp bangkir,” *Journal of Electrical Engineering and Computer (JEECOM)*, 2023, p-ISSN: 2715-0410; e-ISSN: 2715-6427. Diterima 17 Oktober 2023; Revisi 20 Oktober 2023; Diterbitkan 27 Oktober 2023.
- [16] F. Nurfadillah and Liliana, “Analisis keandalan sistem jaringan distribusi 20 kv di pt. pln (persero) ulp panam menggunakan metode reliability index assessment (ria),” *IJEERE: Indonesian Journal of Electrical Engineering and Renewable Energy*, vol. 2, no. 2, pp. 104–112, Dec. 2022, e-ISSN: 2797-0868.
- [17] U.S. Department of Energy, “Defining distribution, sub-transmission, transmission, and the bulk system for interconnection,” U.S. Department of Energy, Tech. Rep., Aug. 2023.
- [18] *IEEE Std 1547-2018: IEEE Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces*, IEEE Standards Association Std., Apr. 2018.
- [19] Artema. (2020, May) Saluran distribusi listrik. [Online]. Available: <https://artema.co.id/saluran-distribusi-listrik/>
- [20] H. L. Willis, *Power Distribution Planning Reference Book*, 2nd ed. CRC Press, 2004.
- [21] ITPLN Repository, “Konfigurasi jaringan tegangan menengah: radial, loop, spindel, mesh/grid,” 2016, bab II Landasan Teori, dokumen repositori (diakses pada penyusunan naskah).
- [22] A. B. Saputra, “Rekonfigurasi sistem distribusi untuk mengatasi beban lebih dan meminimalkan rugi-rugi pada jaringan distribusi tengkawang samarinda,” 2016.



- [23] V. R. H. Rumapea, “Aplikasi konfigurasi jaringan spindel pada pln cabang medan rayon medan kota,” Institut Teknologi Bandung, 2008, dokumen/TA, diakses pada penyusunan naskah.
- [24] A. El Berkaoui *et al.*, “Distribution network topology planning and optimization,” *E3S Web of Conferences*, 2023.
- [25] J. D. Kueck, B. J. Kirby, P. N. Overholt, and L. C. Markel, “Measurement practices for reliability and power quality: A toolkit of reliability measurement practices,” Oak Ridge National Laboratory, Tech. Rep., Jun. 2004.
- [26] *IEEE Std 1159-2019: IEEE Recommended Practice for Monitoring Electric Power Quality*, IEEE Standards Association Std., 2019.
- [27] X. Wang *et al.*, “Single phase to ground fault location method of overhead line based on magnetic field detection and multi-criteria fusion,” *International Journal of Electrical Power & Energy Systems*, vol. 149, p. 108699, 2023.
- [28] IEEE PES-PSRC, “C37.230-2020 summary paper: Protective schemes and coordination (fuse saving/fuse blowing),” IEEE Power System Relaying & Control Committee, Tech. Rep., 2020.
- [29] T. Gonen, *Electric Power Distribution Engineering*. CRC Press, 2014.
- [30] R. Brown, *Electric Power Distribution Reliability*. CRC Press, 2002.
- [31] “Tingkat Jaminan Sistem Tenaga Listrik Bagian Dua: Sistem Distribusi (SPLN 68-2:1986),” Perusahaan Umum Listrik Negara (PLN), Jakarta, Indonesia, Tech. Rep. SPLN 68-2:1986, 1986, standar PLN (SPLN) No. 68-2, 1986. [Online]. Available: <https://id.scribd.com/doc/215461581/spln-68-2-1986>
- [32] R. A. Duyo, “Analisis penyebab gangguan jaringan pada distribusi listrik menggunakan metode fault tree analysis di pt. pln (persero) rayon daya makassar,” *VERTEX: Jurnal Elektronik Universitas Muhammadiyah Makassar*, vol. 12, no. 2, pp. 27–36, 2020, open access. [Online]. Available: <https://journal.unismuh.ac.id/index.php/vertex/article/view/4017>
- [33] R. Billinton and R. N. Allan, *Reliability Evaluation of Power Systems*, 2nd ed. New York, NY, USA: Plenum Press, 1996.
- [34] Australian Energy Regulator, “Distribution reliability measures guideline (version 1),” Australian Energy Regulator, Tech. Rep., Nov. 2018, updated 20 November 2018. [Online]. Available: <https://www.aer.gov.au/system/files/AER%20-%20Distribution%20Reliability%20Measures%20Guideline%20-%20Version%201%20-%202014%20November%202018%20%28updated%2020%20November%202018%29.pdf>
- [35] Canadian Electricity Association (CEA), “Caifi and cemi reporting: 2013 cea analytics white paper,” Canadian Electricity Association (CEA), Ottawa, Ontario, Canada, Tech. Rep., Apr. 2013. [Online]. Available: [https://www.electricity.ca/files/reports/english/SCC\\_2013\\_WhitePaper\\_CAIFI\\_CEMI\\_E.pdf](https://www.electricity.ca/files/reports/english/SCC_2013_WhitePaper_CAIFI_CEMI_E.pdf)



- [36] PT PLN (Persero), “Statistik pln 2023,” PT PLN (Persero), Tech. Rep., 2023, sumber data pelanggan dari Aplikasi Pengelolaan Pelanggan Terpusat (AP2T) sebagaimana dicantumkan pada publikasi. [Online]. Available: <https://web.pln.co.id/statics/uploads/2025/09/Statistik-PLN-2023-Ind.pdf>
- [37] ASUSTeK Computer Inc., “Driver & tools - rog strix g (g531 series),” [https://rog.asus.com/laptops/rog-strix/rog-strix-g-g531-series/helpdesk\\_download/](https://rog.asus.com/laptops/rog-strix/rog-strix-g-g531-series/helpdesk_download/), 2019, download page for drivers and utilities of ROG Strix G G531 series laptops. Accessed 2025-11-15.
- [38] —, “Rog strix g g531 series,” <https://rog.asus.com/laptops/rog-strix/rog-strix-g-g531-series/>, 2019, accessed: 2025-11-15.
- [39] Energy Market Authority (EMA), “System Average Interruption Duration Index (SAIDI) & System Average Interruption Frequency Index (SAIFI),” PDF, Energy Market Authority (EMA), Tech. Rep., 2024, system performance (as of 2024). [Online]. Available: <https://www.ema.gov.sg/content/dam/corporate/resources/statistics/files/pdf/EMA-Statistics-SAIDI-SAIFI-2024.pdf.coredownload.pdf>
- [40] Tenaga Nasional Berhad, “Sustainability Report 2024,” Tenaga Nasional Berhad, Tech. Rep., 2024. [Online]. Available: [https://www.tnb.com.my/assets/annual\\_report/TNB\\_Sustainability\\_Report\\_2024.pdf](https://www.tnb.com.my/assets/annual_report/TNB_Sustainability_Report_2024.pdf)