

DAFTAR PUSTAKA

- BPS Provinsi Bali, B.P.S.P.B. (2025) *Jumlah Kendaraan Listrik Menurut Jenis Kendaraan dan Kabupaten/Kota di Provinsi Bali*. Available at: <https://bali.bps.go.id/id/statistics-table/2/NDMwIzI=/jumlah-kendaraan-listrik-menurut-jenis-kendaraan-dan--kabupaten-kota-di-provinsi-bali.html> (Accessed: April 2, 2026).
- Calearo, L. *et al.* (2019) “Grid Loading Due to EV Charging Profiles Based on Pseudo-Real Driving Pattern and User Behavior,” *IEEE Transactions on Transportation Electrification*, 5(3), pp. 683–694. Available at: <https://doi.org/10.1109/TTE.2019.2921854>.
- Cardinha, M.M. *et al.* (2025) “Modeling the impact of electric vehicle charging on Lisbon’s electricity distribution network,” *Utilities Policy*, 96, p. 102014. Available at: <https://doi.org/10.1016/j.jup.2025.102014>.
- Clairand, J.-M. *et al.* (2018) “Electric vehicle charging strategy for isolated systems with high penetration of renewable generation,” *Energies*, 11, p. 3188. Available at: <https://doi.org/10.3390/en11113188>.
- DIGSILENT GmbH (2026) *Analysis of Low Voltage Networks*. Available at: <https://www.digsilent.de/index.php/en/paper-reader-pf-en/analysis-of-low-voltage-networks.html>.
- ESDM (2007) *Grid Code Jawa-Madura-Bali Tahun 2007*. Available at: <https://jdih.esdm.go.id/dokumen/download?id=permen-esdm-03-2007.pdf>.

Fachrizal, R. (2020) *Synergy between Residential Electric Vehicle Charging and Photovoltaic Power Generation through Smart Charging Schemes*. Uppsala University. Available at: <https://urn.kb.se/resolve?urn=urn:nbn:se:uu:diva-419665>.

Harahap, R. and Purba, S.P. (2025) “Long-Term Load Forecasting At The End Of The Year Using The Linear Regression Method,” *Proceeding of International Conference on Science and Technology UISU (ICST)*, pp. 19–28. Available at: <https://doi.org/https://doi.org/10.30743/frxcx086>.

Hasan, K.N. *et al.* (2023) “Distribution network voltage analysis with data-driven electric vehicle load profiles,” *Sustainable Energy, Grids and Networks*, 36, p. 101216. Available at: <https://doi.org/10.1016/j.segan.2023.101216>.

IEA (2023) *Global EV Outlook 2023: Catching up with climate ambitions*. Paris, France. Available at: <https://www.iea.org/reports/global-ev-outlook-2023>.

IEA (2024) *Global EV Outlook 2024: Moving towards increased affordability*. Paris, France. Available at: <https://www.iea.org/reports/global-ev-outlook-2024>.

IEA (2025) *Global EV Outlook 2025: Expanding sales in diverse markets*. Paris, France. Available at: <https://www.iea.org/reports/global-ev-outlook-2025>.

IESR (2026) *INDONESIA ELECTRIC VEHICLE HANDBOOK 2025*. Jakarta. Available at: <https://iesr.or.id/pustaka/indonesia-electric-vehicle-handbook-2025/>.

Ihsan, B. *et al.* (2020) “Pengaruh Strategi Pengisian Daya Terhadap Kenaikan Beban Puncak Akibat Penetrasi Kendaraan Listrik,” *Jurnal Nasional Teknik Elektro dan Teknologi Informasi*, 9(3).

Iqbal, M.N. *et al.* (2021) “Travel Activity Based Stochastic Modelling of Load and Charging State of Electric Vehicles,” pp. 1–14. Available at: <https://doi.org/https://doi.org/10.3390/su13031550>.

IRENA (2025) *Powering resilient islands: Grid modernisation toolkit for SIDS*. Abu Dhabi, United Arab Emirates (UAE). Available at: https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2025/Dec/IRENA_PAR_Powering_resilient_islands_2025.pdf.

Karandeh, R. *et al.* (2021) “Placement Evaluation of Distributed Energy Storage for Integrating EV Charging and PV Solar Infrastructure,” *2021 IEEE 12th International Symposium on Power Electronics for Distributed Generation Systems (PEDG)* [Preprint].

Karmaker, A.K. *et al.* (2024) “Electric vehicle hosting capacity analysis: Challenges and solutions,” *Renewable and Sustainable Energy Reviews*, 189, p. 113916. Available at: <https://doi.org/10.1016/j.rser.2023.113916>.

Kersting, W.H. (2017) *Distribution System Modeling and Analysis*. 4th ed. Boca Raton: CRC Press.

Khomarudin, R. *et al.* (2023) “Quasi-dynamic hosting capacity in radial distribution feeder,” *Journal of Mechatronics, Electrical Power, and Vehicular Technology*, 14(1), pp. 62–71. Available at: <https://doi.org/10.14203/j.mev.2023.v14.62-71>.

Lamedica, R. *et al.* (2019) “Integrating Electric Vehicles in Microgrids: Overview on Hosting Capacity and New Controls,” *IEEE Transactions on Industry Applications*, 55(6), pp. 7338–7346. Available at: <https://doi.org/10.1109/TIA.2019.2933800>.

Mancini, E. *et al.* (2020) “Assessment of the Impact of Electric Vehicles on the Design and Effectiveness of Electric Distribution Grid with Distributed Generation,” *Applied Sciences*, 10, p. 5125. Available at: <https://doi.org/10.3390/app10155125>.

Muratori, M. (2018) “Impact of uncoordinated plug-in electric vehicle charging on residential power demand,” *Nature Energy*, 3, pp. 193–201. Available at: <https://doi.org/10.1038/s41560-017-0074-z>.

Paudyal, P. *et al.* (2021) “EV Hosting Capacity Analysis on Distribution Grids,” *IEEE Power & Energy Society General Meeting, PESGM 2021*. Washington, DC, USA: IEEE, pp. 1–5. Available at: <https://doi.org/10.1109/PESGM46819.2021.9638170>.

Peppanen, J. *et al.* (2018) “Service Entrance Hosting Capacity,” *2018 IEEE 7th World Conference on Photovoltaic Energy Conversion, WCPEC 2018 - A Joint Conference of 45th IEEE PVSC, 28th PVSEC and 34th EU PVSEC*. Waikoloa, HI, USA: IEEE, pp. 1451–1456. Available at: <https://doi.org/10.1109/PVSC.2018.8547340>.

Quiros-Tortos, J. *et al.* (2018) “Statistical representation of EV charging: Real data analysis and applications,” *20th Power Systems Computation Conference, PSCC 2018*. Dublin, Ireland: IEEE, pp. 1–7. Available at: <https://doi.org/10.23919/PSCC.2018.8442988>.

Shariatzadeh, M. *et al.* (2025) “Electric vehicle users’ charging behavior: A review of influential factors, methods and modeling approaches,” *Applied Energy*, 396, p. 126167. Available at: <https://doi.org/10.1016/j.apenergy.2025.126167>.

Shubhy, D. *et al.* (2024) “EV Hosting Capacity of Distribution Electrical Network in Bandar Lampung, Indonesia,” *2024 6th International Conference on Power Engineering and Renewable Energy (ICPERE)*. IEEE, pp. 1–6. Available at: <https://doi.org/10.1109/ICPERE63447.2024.10845400>.

Sohail, A. *et al.* (2022) “Effects of uncoordinated electric vehicle charging on a distribution network,” *2022 19th International Bhurban Conference on Applied Sciences and Technology (IBCAST)* [Preprint].

Tamay, P. and Inga, E. (2022) “Charging Infrastructure for Electric Vehicles Considering Their Integration into the Smart Grid,” pp. 0–20.

Trio Putra, J. *et al.* (2025) “A scenario-based approach for probabilistic load flow analysis of electric vehicle charging and photovoltaic integration in distribution systems: An Indonesian case study,” *Results in Engineering*, 27, p. 106197. Available at: <https://doi.org/10.1016/j.rineng.2025.106197>.

Yuvaraj, T. *et al.* (2024) “A Comprehensive Review and Analysis of the Allocation of Electric Vehicle Charging Stations in Distribution Networks,” *IEEE Access*, 12(November 2023), pp. 5404–5461. Available at: <https://doi.org/10.1109/ACCESS.2023.3349274>.