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DAFTAR PUSTAKA

[1] M. R. Narimani, J.-Y. Joo, and M. L. Crow, "The effect of demand response on distribution system operation," in *Proc. 2015 IEEE Power and Energy Conference at Illinois (PECI)*, Champaign, IL, USA, 2015, pp. 1–6, doi: 10.1109/PECI.2015.7064916.

[2] PT PLN (Persero) Unit Induk Distribusi Riau dan Kepulauan Riau, Konsorsium PT Bangun Mega Pertiwi–PT Syergie Indo Prima, and Zhongtian Technology Submarine Cable Co., Ltd. (ZTT), *Technical Specification & Cross Section Drawing Kabel Laut 20 kV: Penambahan Penyulang Kabel Laut 20 kV Dumai ke Pulau Rupat dan Batam Belakang Padang*. Doc. No. ZT00214-ZTT-CAB-TS-001 and ZT00214-ZTT-CAB-DWG-001, Rev. 01, 2023.

[3] E. A. Setiawan, A. Prakoso, and V. Maulia, "Dynamic pricing scheme for the Java–Bali system residential load," *International Journal of Technology*, vol. 10, no. 6, pp. 1194–1201, 2019, doi: 10.14716/ijtech.v10i6.3698.

[4] Y. Xu, Y. Shi, K. Liu, L. Xue, K. Chen, and W. Wang, "Analysis of demand response development situation in China," in *Proc. 2021 IEEE 5th Conference on Energy Internet and Energy System Integration (EI2)*, Taiyuan, China, 2021, pp. 768–771, doi: 10.1109/EI252483.2021.9713314.

[5] C. Pébereau and K. Remmy, "Barriers to real-time electricity pricing: Evidence from New Zealand," *International Journal of Industrial Organization*, vol. 89, Art. no. 102979, 2023, doi: 10.1016/j.ijindorg.2023.102979

[6] J. Enrich, R. Li, A. Mizrahi, and M. Reguant, "Measuring the impact of time-of-use pricing on electricity consumption: Evidence from Spain," *Journal of Environmental Economics and Management*, vol. 123, Art. no. 102901, 2024, doi: 10.1016/j.jeem.2023.102901.

[7] C. Lang, Y. Qiu, and L. Dong, "Increasing voluntary enrollment in time-of-use electricity rates: Findings from a survey experiment," *Energy Policy*, vol. 173, Art. no. 113410, 2023, doi: 10.1016/j.enpol.2022.113410.

[8] P. Samadi, A.-H. Mohsenian-Rad, R. Schober, V. W. S. Wong, and J. Jatskevich, "Optimal real-time pricing algorithm based on utility maximization for smart grid," in *Proc. 2010 First IEEE International Conference on Smart Grid Communications (SmartGridComm)*, Gaithersburg, MD, USA, 2010, pp. 415–420, doi: 10.1109/SMARTGRID.2010.5622077.

[9] D. Ellman and Y. Xiao, "Incentives to manipulate demand response baselines with uncertain event schedules," *IEEE Transactions on Smart Grid*, vol. 12, no. 2, pp. 1358–1369, Mar. 2021, doi: 10.1109/TSG.2020.3024208.

[10] Z. Zhao, "Operation simulation and economic analysis of household hybrid PV and BESS systems in the improved TOU mode," *Sustainability*, vol. 15, Art. no. 8853, 2023, doi: 10.3390/su15118853.

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[11] Z. Ding, Z. Hu, J. Wu, Q. Peng, L. Zhang, J. Hong, and M. Ren, "Optimal planning of distribution network expansion considering integrated demand response," in *Proc. 2021 6th International Conference on Power and Renewable Energy (ICPRE)*, 2021, pp. 776–781, doi: 10.1109/ICPRE52634.2021.9635282.

[12] S. Taik and B. Kiss, "Selective and optimal dynamic pricing strategy for residential electricity consumers based on genetic algorithms," *Heliyon*, vol. 8, Art. no. e11696, 2022, doi: 10.1016/j.heliyon.2022.e11696.

[13] H. A. Yuniarto, N. M. E. Normasari, I. C. Gunawan, S. F. Silalahi, D. Deendarlianto, I. A. Aditya, A. A. Simaremare, and F. N. Haryadi, "Customer's response to dynamic pricing in utility energy tariff," *Heliyon*, vol. 10, Art. no. e31415, 2024, doi: 10.1016/j.heliyon.2024.e31415.

[14] H. Yang, X. Zhang, Y. Ma, and D. Zhang, "Critical peak rebate strategy and application to demand response," *Protection and Control of Modern Power Systems*, vol. 6, Art. no. 28, 2021, doi: 10.1186/s41601-021-00206-x.

[15] S. Nojavan, V. Ajoulabadi, T. Khalili, and A. Bidram, "Optimal power flow considering time of use and real-time pricing demand response programs," in *Proc. 2021 IEEE Green Technologies Conference (GreenTech)*, Denver, CO, USA, Apr. 7–9, 2021, pp. 62–66, doi: 10.1109/GreenTech48523.2021.00021.

[16] E. J. Salazar, M. Jurado, and M. E. Samper, "Reinforcement learning-based pricing and incentive strategy for demand response in smart grids," *Energies*, vol. 16, Art. no. 1466, 2023, doi: 10.3390/en16031466.

[17] W. Cui and Y. Yang, "Optimization of TOU pricing for the utility with the consumers in the manufacturing sector," *Procedia Manufacturing*, vol. 39, pp. 1250–1258, 2019, doi: 10.1016/j.promfg.2020.01.344.

[18] Y. Cheng and N. Zhai, "Evaluation of TOU price based on responses of customer," in *Proc. 2010 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)*, Macao, China, 2010, pp. 1977–1981.

[19] Q. Duan, "A price-based demand response scheduling model in day-ahead electricity market," in *Proc. 2016 IEEE Power and Energy Society General Meeting (PESGM)*, Boston, MA, USA, 2016, pp. 1–5, doi: 10.1109/PESGM.2016.7741812.

[20] N. Yu and J.-L. Yu, "Optimal TOU decision considering demand response model," in *Proc. 2006 International Conference on Power System Technology*, Chongqing, China, 2006.

[21] Z. Fu, K. Novan, and A. Smith, "Do time-of-use prices deliver energy savings at the right time?" *Journal of Environmental Economics and Management*, vol. 128, Art. no. 103054, 2024, doi: 10.1016/j.jeem.2024.103054.

[22] International Renewable Energy Agency (IRENA), *Renewable Power Generation Costs in 2024*. Abu Dhabi, United Arab Emirates: IRENA, Jul. 2025. [Online]. Available: https://www.irena.org/Publications/2025/Jun/Renewable-Power-Generation-Costs-in-2024

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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

[23] L. Migliari, M. H. Nadeem, and A. M. Arnone, "Levelized cost of storage of battery energy storage systems for photovoltaic curtailment mitigation," *Energies*, vol. 18, no. 14, Art. no. 3602, 2025, doi: 10.3390/en18143602.