DAFTAR PUSTAKA

[1] L. Xu, X. Wang, and W. Guo, "Does renewable energy adaptation, globalization, and financial development matter for environmental quality and economic progress? Evidence from panel of big five (B5) economies," *Renew. Energy*, vol. 192, pp. 631–640, 2022, doi: https://doi.org/10.1016/j.renene.2022.05.004.

[2] A. J. Adellea, "Implementation of New Energy and Renewable Energy Policy in the Context of National Energy Security," *Indones. State Law Rev.*, vol. 05, no. 1, pp. 43–51, 2022, doi: https://doi.org/10.15294/islrev.v4i2.61093.

[3] A. Pribadi, "Miliki Potensi EBT 3.686 GW, Sekjen Rida: Modal Utama Jalankan Transisi Energi Indonesia." Accessed: May 04, 2024. [Online]. Available: https://www.esdm.go.id/id/media-center/arsip-berita/miliki-potensi-ebt-3686-gw-sekjen-rida-modal-utama-jalankan-transisi-energi-indonesia#:~:text=Sekretaris Jenderal Kementerian Energi dan,potensinya 3.686 gigawatt (GW).

[4] Dadan Kusdiana (ETBKE), "Pemerintah Optimis Tingkatkan Pemanfaatan Potensi EBT." Accessed: May 03, 2024. [Online]. Available: https://ebtke.esdm.go.id/post/2023/05/10/3479/pemerintah.optimis.tingkatkan.pemanfaatan.potensi.ebt

[5] A. Wahid, Junaidi, and M. Arsyad, "Analisis Kapasitas Dan Kebutuhan Daya Listrik Untuk Menghemat Penggunaan Energi Listrik Di Fakultas Teknik Universitas Tanjungpura," *J. Tek. Elektro UNTAN*, vol. 2, no. 1, p. 10, 2014.

[6] A. Berrada and K. Loudiyi, "Chapter 1 - Energy Storage," A. Berrada and K. B. T.-G. E. S. Loudiyi, Eds., Elsevier, 2019, pp. 1–23. doi: https://doi.org/10.1016/B978-0-12-816717-5.00001-3.

[7] M. Aneke and M. Wang, "Energy storage technologies and real life applications – A state of the art review," *Appl. Energy*, vol. 179, pp. 350–377, Oct. 2016, doi: 10.1016/j.apenergy.2016.06.097.

[8] Y. Bu, Y. Wu, X. Li, and Y. Pei, "Operational risk analysis of a containerized lithium-ion battery energy storage system based on STPA and fuzzy evaluation," *Process Saf. Environ. Prot.*, vol. 176, pp. 627–640, 2023, doi: https://doi.org/10.1016/j.psep.2023.06.023.

[9] W. Mrozik, M. Rajaeifar, O. Heidrich, and P. Christensen, "Environmental Impacts, Pollution Sources and Pathways of spent Lithium-ion Batteries," *Energy Environ. Sci.*, vol. 14, Jan. 2021, doi: 10.1039/D1EE00691F.

[10] X. Luo, J. Wang, M. Dooner, and J. Clarke, "Overview of current development in electrical energy storage technologies and the application potential in power system operation," *Appl. Energy*, vol. 137, pp. 511–536, 2015, doi: https://doi.org/10.1016/j.apenergy.2014.09.081.

[11] P. C. Nikolaos, F. Marios, and K. Dimitris, "A Review of Pumped Hydro Storage Systems," *Energies*, vol. 16, no. 11, 2023, doi: 10.3390/en16114516.

[12] A. M. Rabi, J. Radulovic, and J. M. Buick, "Comprehensive Review of Compressed Air Energy Storage (CAES) Technologies," *Thermo*, vol. 3, no. 1, pp. 104–126, 2023, doi: 10.3390/thermo3010008.

[13] J. P. Hoffstaedt *et al.*, "Low-head pumped hydro storage: A review of applicable technologies for design, grid integration, control and modelling," *Renew. Sustain. Energy Rev.*, vol. 158, no. January, p. 112119, 2022, doi: 10.1016/j.rser.2022.112119.

[14] E. Yao, H. Wang, L. Liu, and G. Xi, "A novel constant-pressure pumped hydro combined with compressed air energy storage system," *Energies*, vol. 8, no. 1, pp. 154–171, 2015, doi: 10.3390/en8010154.

[15] B. Yang, D. Li, X. Fu, H. Wang, and R. Gong, "Energy and exergy analysis of a novel pumped hydro compressed air energy storage system," *Energy*, vol. 294, p. 130737, 2024, doi: https://doi.org/10.1016/j.energy.2024.130737.

[16] A. Berrada, A. Emrani, and A. Ameur, "Life-cycle assessment of gravity energy storage systems for large-scale application," *J. Energy Storage*, vol. 40, p. 102825, 2021, doi: https://doi.org/10.1016/j.est.2021.102825.

[17] K. Loudiyi and A. Berrada, "Experimental Validation of Gravity Energy Storage Hydraulic Modeling," *Energy Procedia*, vol. 134, pp. 845–854, 2017, doi: https://doi.org/10.1016/j.egypro.2017.09.541.

[18] M. E. A. Elsayed, S. Abdo, A. A. A. Attia, E. A. Attia, and M. A. Abd Elrahman, "Parametric optimisation for the design of gravity energy storage system using Taguchi method," *Sci. Rep.*, vol. 12, no. 1, Dec. 2022, doi: 10.1038/s41598-022-20514-y.

[19] H. Zhang, X. Gao, B. Sun, Z. Qin, and H. Zhu, "Parameter analysis and performance optimization for the vertical pipe intake-outlet of a pumped hydro energy storage station," *Renew. Energy*, vol. 162, pp. 1499–1518, 2020, doi: https://doi.org/10.1016/j.renene.2020.07.135.

[20] E. B. Prasasti, M. Aouad, M. Joseph, M. Zangeneh, and K. Terheiden, "Optimization of pumped hydro energy storage design and operation for offshore low-head application and grid stabilization," *Renew. Sustain. Energy Rev.*, vol. 191, p. 114122, 2024, doi: https://doi.org/10.1016/j.rser.2023.114122.

[21] P. Byrne and P. Lalanne, "Parametric Study of a Long-Duration Energy Storage Using Pumped-Hydro and Carbon Dioxide Transcritical Cycles," *Energies*, vol. 14, p. 4401, Jul. 2021, doi: 10.3390/en14154401.

[22] M. Cheayb, S. Poncet, M. Marin-Gallego, and M. Tazerout, "Parametric Optimisation of a Trigenerative Small Scale Compressed Air Energy Storage System," 2019. doi: 10.3390/proceedings2019023005.

[23] J. Mitali, S. Dhinakaran, and A. A. Mohamad, "Energy storage systems: a

review," *Energy Storage Sav.*, vol. 1, no. 3, pp. 166–216, 2022, doi: 10.1016/j.enss.2022.07.002.

[24] M. A. Hannan *et al.*, "Battery energy-storage system: A review of technologies, optimization objectives, constraints, approaches, and outstanding issues," *J. Energy Storage*, vol. 42, no. July, p. 103023, 2021, doi: 10.1016/j.est.2021.103023.

[25] E. H. Y. Moa and Y. I. Go, "Large-scale energy storage system: safety and risk assessment," *Sustain. Energy Res.*, vol. 10, no. 1, 2023, doi: 10.1186/s40807-023-00082-z.

[26] L. L. Gaines and J. B. Dunn, *Lithium-Ion Battery Environmental Impacts*. Elsevier, 2014. doi: 10.1016/B978-0-444-59513-3.00021-2.

[27] S. Rehman, L. M. Al-Hadhrami, and M. M. Alam, "Pumped hydro energy storage system: A technological review," *Renew. Sustain. Energy Rev.*, vol. 44, pp. 586–598, 2015, doi: 10.1016/j.rser.2014.12.040.

[28] A. Arabkoohsar, "Compressed air energy storage system," *Mech. Energy Storage Technol.*, pp. 45–71, 2020, doi: 10.1016/B978-0-12-820023-0.00003-1.

[29] S. Bode *et al.*, "Gravity Storage." [Online]. Available: https://gravity-storage.com/

[30] A. Berrada and K. Loudiyi, "Chapter 2 - Technical Design of Gravity Energy Storage," A. Berrada and K. B. T.-G. E. S. Loudiyi, Eds., Elsevier, 2019, pp. 25–49. doi: https://doi.org/10.1016/B978-0-12-816717-5.00002-5.

[31] B. Ramadhani, *Instalasi Pembangkit Listrik Tenaga Surya: Dos & Don'ts*, 2018th ed. Jakarta: Deutsche Gesellschaft für Internationale Zusammenarbeit., 2018. [Online]. Available: https://drive.esdm.go.id/wl/?id=A0Ca89EQB2v3GpMH0KgM2ylJQCb0o2iK

[32] Y. A. Cengel and J. M. Cimbala, *Fluid Mechanics; Fundamental and Aplication*, no. Mi. 2014. [Online]. Available: https://engineeringbookslibrary.files.wordpress.com/2019/03/fluid-mechanics-fundamentals-and-applications-3rd-edition-cengel-and-cimbala-2014.pdf

[33] M. A. Boles and D. Yunus A. Cengel, *Thermodynamics: An Engineering Approach*. McGraw-Hill Education, 2014. [Online]. Available: https://books.google.co.id/books?id=Ao95ngEACAAJ

[34] M. J. Moran, *Fundamentals of Engineering thermodynamics*. 2018.

[35] A. Jahan, K. L. Edwards, and M. Bahraminasab, "6 - Multiple objective decision-making for material and geometry design," A. Jahan, K. L. Edwards, and M. B. T.-M. D. A. for S. the S. of E. M. in P. D. (Second E. Bahraminasab, Eds., Butterworth-Heinemann, 2016, pp. 127–146. doi: https://doi.org/10.1016/B978-0-08-100536-1.00006-0.

[36] J. Antony, "6 - Full Factorial Designs," J. B. T.-D. of E. for E. and S. (Second E. Antony, Ed., Oxford: Elsevier, 2014, pp. 63–85. doi: https://doi.org/10.1016/B978-0-08-099417-8.00006-7.

[37] D. Montgomery and C. St, *Design and Analysis of Experiments, 9th Edition*. 2022.

[38] K. KRISHNAIAH and P. SHAHABUDEEN, *APPLIED DESIGN OF EXPERIMENTS AND TAGUCHI METHODS*. PHI Learning, 2012. [Online]. Available: https://books.google.co.id/books?id=hju9JYVhfV8C

[39] R. K. Roy, *A Primer on the Taguchi Method*. in VNR competitive manufacturing series. Society of Manufacturing Engineers, 1990. [Online]. Available: https://books.google.co.id/books?id=OUI54mrYdqIC

[40] R. N. Kacker, E. S. Lagergren, and J. J. Filliben, "Taguchi's orthogonal arrays are classical designs of experiments," *J. Res. Natl. Inst. Stand. Technol.*, vol. 96, no. 5, pp. 577–591, 1991, doi: 10.6028/jres.096.034.

[41] M. Sobih, Z. Elseddig, K. Almazy, A. Youssef, and M. Sallam, "Optimization of EBW Parameters for 2219 AL-alloy Using Grey Relation Method," *Adv. Mater. Res.*, vol. 591–593, pp. 507–514, Nov. 2012, doi: 10.4028/www.scientific.net/AMR.591-593.507.

[42] A. Ameur, A. Berrada, and A. Emrani, "Intelligent energy management system for smart home with grid-connected hybrid photovoltaic/ gravity energy storage system," *J. Energy Storage*, vol. 72, no. PD, p. 108525, 2023, doi: 10.1016/j.est.2023.108525.

[43] A. Berrada, K. Loudiyi, and I. Zorkani, "Toward an Improvement of Gravity Energy Storage Using Compressed Air," in *Energy Procedia*, Elsevier Ltd, 2017, pp. 855–864. doi: 10.1016/j.egypro.2017.09.542.

[44] J. Bi, T. Jiang, W. Chen, and X. Ma, "Research on Storage Capacity of Compressed Air Pumped Hydro Energy Storage Equipment," *Energy Power Eng.*, vol. 05, pp. 26–30, Jan. 2013, doi: 10.4236/epe.2013.54B005.