

DAFTAR PUSTAKA

- [1] H. S. Naryanto, “Analisis Potensi Kegempaan dan Tsunami Di Kawasan Pantai Barat Lampung Kaitannya dengan Mitigasi dan Penataan Kawasan,” *J. Sains Dan Teknol. Indones.*, vol. 10, no. 2, pp. 71–77, Aug. 2008.
- [2] H. Hadi, S. Agustina, and A. Subhani, “Penguatan Kesiagaan Stakeholder Dalam Pengurangan Risiko Bencana Gempabumi,” *J. Geodika*, vol. 3, no. 1, pp. 30–40, Jun. 2019.
- [3] Sunarno, M. M. Waruwu, and W. Wijaya, “DEVELOPMENT OF THE REAL TIME TELEMONITORING SYSTEM FOR EARTHQUAKE PREDICTION DEDUCED FROM FLUCTUATIONS IN GROUNDWATER LEVELS AT YOGYAKARTA REGION-INDONESIA,” *J. Theor. Appl. Inf. Technol.*, vol. 83, no. 1, 2016.
- [4] T. Kuo, W. Chen, and C. Ho, “Anomalous decrease in groundwater radon before 2016 Mw 6.4 Meinong earthquake and its application in Taiwan,” *Appl. Radiat. Isot.*, vol. 136, pp. 68–72, Jun. 2018, doi: 10.1016/j.apradiso.2018.02.015.
- [5] H. L. Firdaus, “DETECTION SYSTEM FOR DETERMINISTIC EARTHQUAKE PREDICTION BASED ON CHANGES OF THE GROUNDWATER LEVEL AND RADON CONCENTRATION,” Master, Universitas Gadjah Mada, Yogyakarta, 2018.
- [6] T. Jamal, T. Urmee, and G. M. Shafiullah, “Planning of off-grid power supply systems in remote areas using multi-criteria decision analysis,” *Energy*, vol. 201, p. 117580, Jun. 2020, doi: 10.1016/j.energy.2020.117580.
- [7] F. Kotarela, A. Kyritsis, N. Papanikolaou, and S. A. Kalogirou, “Enhanced nZEB concept incorporating a sustainable Grid Support Scheme,” *Renew. Energy*, vol. 169, pp. 714–725, May 2021, doi: 10.1016/j.renene.2021.01.050.
- [8] B. K. Das, M. Hasan, and P. Das, “Impact of storage technologies, temporal resolution, and PV tracking on stand-alone hybrid renewable energy for an Australian remote area application,” *Renew. Energy*, vol. 173, pp. 362–380, Aug. 2021, doi: 10.1016/j.renene.2021.03.131.
- [9] D. Rowe *et al.*, “Solar intermittency: Australia’s clean energy challenge. Characterising the effect of high penetration solar intermittency on Australian electricity networks,” 2012, doi: 10.4225/08/584C43986A4C0.
- [10] W. Cai *et al.*, “Optimal sizing and location based on economic parameters for an off-grid application of a hybrid system with photovoltaic, battery and





- diesel technology,” *Energy*, vol. 201, p. 117480, Jun. 2020, doi: 10.1016/j.energy.2020.117480.
- [11] S. S. Misra, “SECONDARY BATTERIES – LEAD– ACID SYSTEMS | Charging,” in *Encyclopedia of Electrochemical Power Sources*, Elsevier, 2009, pp. 764–778. doi: 10.1016/B978-044452745-5.00144-1.
- [12] T. O. Pratama, “Earthquake early warning system based on radon gas concentration and groundwater level fluctuation at Yogyakarta region-Indonesia,” M.S. Thesis, Universitas Gadjah Mada, Yogyakarta, 2021.
- [13] H. Yang, H. Wang, G. Chen, and G. Wu, “Influence of the charge regulator strategy on state of charge and lifetime of VRLA battery in household photovoltaic systems,” *Sol. Energy*, vol. 80, no. 3, pp. 281–287, Mar. 2006, doi: 10.1016/j.solener.2005.02.006.
- [14] Y. Akimoto, H. Takezawa, Y. Iijima, S. Suzuki, and K. Okajima, “Comparative analysis of fuel cell and battery energy systems for Internet of Things devices,” *Energy Rep.*, vol. 6, pp. 29–35, Nov. 2020, doi: 10.1016/j.egy.2020.08.022.
- [15] N.-K. C. Nair and N. Garimella, “Battery energy storage systems: Assessment for small-scale renewable energy integration,” *Energy Build.*, vol. 42, no. 11, pp. 2124–2130, Nov. 2010, doi: 10.1016/j.enbuild.2010.07.002.
- [16] C. Jamroen, N. Yonsiri, T. Odthon, N. Wisitthiwong, and S. Janreung, “A standalone photovoltaic/battery energy-powered water quality monitoring system based on narrowband internet of things for aquaculture: Design and implementation,” *Smart Agric. Technol.*, vol. 3, p. 100072, Feb. 2023, doi: 10.1016/j.atech.2022.100072.
- [17] G. Hu, S. Duan, C. tao, and C. Chen, “Techno-economical analysis of Vanadium redox and Lead-acid batteries in stand-alone photovoltaic systems,” in *The 2nd International Symposium on Power Electronics for Distributed Generation Systems*, Jun. 2010, pp. 868–872. doi: 10.1109/PEDG.2010.5545787.
- [18] P. Kubalík, S. Mišák, J. Stuchlý, and J. Vramba, “Techno-economic analysis of different battery storage suitable for Off-Grid systems,” in *Proceedings of the 2014 15th International Scientific Conference on Electric Power Engineering (EPE)*, May 2014, pp. 385–390. doi: 10.1109/EPE.2014.6839526.
- [19] D. Linden and T. B. Reddy, Eds., *Handbook of batteries*, 3rd ed. New York: McGraw-Hill, 2002.





- [20] Solar Energy Hacker, “What Size Solar Panel To Charge 12v Battery? - Solar Energy Hackers,” *Solar Energy Hacker*, Apr. 19, 2021. <https://solarenergyhackers.com/what-size-solar-panel-to-charge-12v-battery/> (accessed Jun. 14, 2022).
- [21] Aoxia Chen and P. K. Sen, “Advancement in battery technology: A state-of-the-art review,” in *2016 IEEE Industry Applications Society Annual Meeting*, Portland, OR, USA, Oct. 2016, pp. 1–10. doi: 10.1109/IAS.2016.7731812.
- [22] R. Zhou, S. Fu, and W. Peng, “A Review of State-of-health Estimation of Lithiumion Batteries: Experiments and Data,” in *2020 Asia-Pacific International Symposium on Advanced Reliability and Maintenance Modeling (APARM)*, Vancouver, BC, Canada, Aug. 2020, pp. 1–6. doi: 10.1109/APARM49247.2020.9209548.
- [23] R. Xiong, J. Tian, H. Mu, and C. Wang, “A systematic model-based degradation behavior recognition and health monitoring method for lithium-ion batteries,” *Appl. Energy*, vol. 207, pp. 372–383, Dec. 2017, doi: 10.1016/j.apenergy.2017.05.124.
- [24] A. Luque López and S. Hegedus, Eds., *Handbook of photovoltaic science and engineering*, Repr. Chichester: Wiley, 2009.
- [25] N. Ertugrul, “Small-Scale PV Systems Used in Domestic Applications,” in *A Comprehensive Guide to Solar Energy Systems*, Elsevier, 2018, pp. 333–350. doi: 10.1016/B978-0-12-811479-7.00016-6.
- [26] S. Sugianto, “Comparative Analysis of Solar Cell Efficiency between Monocrystalline and Polycrystalline,” *INTEK J. Penelit.*, vol. 7, no. 2, p. 92, Dec. 2020, doi: 10.31963/intek.v7i2.2625.
- [27] M. Boxwell, *Solar Electricity Handbook 2021 Edition*. UK: Greenstream Publishing, 2021.
- [28] S. Riegg Cellini and J. Edwin Kee, “Cost-Effectiveness and Cost-Benefit Analysis,” in *Handbook of Practical Program Evaluation*, K. E. Newcomer, H. P. Hatry, and J. S. Wholey, Eds. Hoboken, NJ, USA: John Wiley & Sons, Inc., 2015, pp. 636–672. doi: 10.1002/9781119171386.ch24.
- [29] “PS-12400,” *Power Sonic EMEA*, 2018.
- [30] “INR 18650 F1L,” *LG Chem*, Jan. 2015.
- [31] “LC-V127R2,” *Panasonic Storage Battery Shenyang Co Ltd*, Nov. 2010.





- [32] “Zero-Drift, Bi-Directional CURRENT/POWER MONITOR with I2C™ Interface,” *Tex. Instrum.*, vol. SBOS448F, no. Rev. SEPTEMBER 2011, Aug. 2008.

