

DAFTAR PUSTAKA

Abbasi, H. (2013) 'Design and Manufacturing of a Micro Zinc-Air Fuel Cell for Mobile Applications', *Iranica Journal of Energy & Environment*, 4(2), pp. 2–7. doi: 10.5829/idosi.ijee.2013.04.02.06.

All, P. et (2019) 'Pengaruh Variasi Arus Pengisian Pengosongan Muatan pada Model Baterai Lead Acid Terhadap Perubahan Efisiensi Energi', *Fisika*, 16, pp. 1–6.

Blank, T. et al. (2012) 'Deep Discharge Behavior of Lead-Acid Batteries and Modeling of Stationary Battery Energy Storage Systems', (June 2019).

Boškoski, P., Debenjak, A. and Boshkoska, B. M. (2017) *Fast electrochemical impedance spectroscopy: as a statistical condition monitoring tool*. Available at: http://clues.concordia.ca/record=b3402689*eng.

Chao, P. J. et al. (2013) 'Electrical impedance spectroscopy as electrical biopsy for monitoring radiation sequelae of intestine in rats', *BioMed Research International*, 2013(March 2014). doi: 10.1155/2013/974614.

Chen, L. D., Nørskov, J. K. and Luntz, A. C. (2015) 'Al-air batteries: Fundamental thermodynamic limitations from first-principles theory', *Journal of Physical Chemistry Letters*, 6(1), pp. 175–179. doi: 10.1021/jz502422v.

Chen, Zhu et al. (2012) 'Highly Active and Durable Core–Corona Structured Bifunctional Catalyst for Rechargeable Metal–Air Battery Application'. doi:

10.1021/nl2044327.

Coffin, D. and Horowitz, J. (2018) 'The Supply Chain for Electric Vehicle Batteries The Supply Chain for Electric Vehicle Batteries Journal of International Commerce and Economics | 2', *Journal of International Commerce and Economics*, (December).

Daniel, D. and Sianturi, D. S. A. (2013) 'Uji Performa Baterai Untuk Beban Utama Motor Dc Perahu Pulang Hari', *Jurnal Kelautan Nasional*, 8(2), p. 90. doi: 10.15578/jkn.v8i2.6227.

Demir-Cakan, R., Palacin, M. R. and Croguennec, L. (2019) 'Rechargeable aqueous electrolyte batteries: From univalent to multivalent cation chemistry', *Journal of Materials Chemistry A*, 7(36), pp. 20519–20539. doi: 10.1039/c9ta04735b.

Derviş, B. (2013) 'Pengaruh Karbon Hitam Terhadap Sifat Uji Tarik Komposit Karet Alam Dengan Pencampuran Metode Manual', *Journal of Chemical Information and Modeling*, 53(9), pp. 1689–1699. doi: 10.1017/CBO9781107415324.004.

Dong, Q. and Wang, D. (2018) 'Catalysts in metal-air batteries', *MRS Communications*, 8(2), pp. 372–386. doi: 10.1557/mrc.2018.59.

Fu, J. *et al.* (2018) 'Integrated Metal–Air Battery and Selective Electrolytic Leaching Cell for the Preparation of Nanoporous Metals', *ACS Applied Nano Materials*, 1(8), pp. 4164–4169. doi: 10.1021/acsanm.8b00919.

Garcia, L. E. and Sozen, M. A. (2015) 'Calculation of specific capacitance', *Journal*

of Materials Chemistry A, (6), pp. 1–12.

Gelman, D., Shvartsev, B. and Ein-Eli, Y. (2014) ‘Aluminum-air battery based on an ionic liquid electrolyte’, *Journal of Materials Chemistry A*, 2(47), pp. 20237–20242. doi: 10.1039/c4ta04721d.

Haider, A. J., Jameel, Z. N. and Al-Hussaini, I. H. M. (2019) ‘Review on: Titanium dioxide applications’, *Energy Procedia*, 157, pp. 17–29. doi: 10.1016/j.egypro.2018.11.159.

Hartweg, B. (2017) ‘Global Implementation of Renewable Energy’, pp. 81–90. doi: 10.1021/bk-2017-1254.ch007.

Husaini, M. *et al.* (2019) *Progress in Engineering Technology*.

Iclodean, C. *et al.* (2017) ‘Comparison of Different Battery Types for Electric Vehicles’, *IOP Conference Series: Materials Science and Engineering*, 252(1). doi: 10.1088/1757-899X/252/1/012058.

ISO 16773-2 (2016) ‘INTERNATIONAL STANDARD Electrochemical impedance spectroscopy (EIS) on coated and’, 2016.

Jiang, B., Chen, Z. and Chen, F. (2019) ‘Influence of sampling delay on the estimation of lithium-ion battery parameters and an optimized estimation method’, *Energies*, 12(10). doi: 10.3390/en12101878.

Kaiser, C. J. (1993) *The Capacitor Handbook*.

Kim, H. C. *et al.* (2016) ‘Cradle-to-Gate Emissions from a Commercial Electric Vehicle Li-Ion Battery: A Comparative Analysis’, *Environmental Science and Technology*, 50(14), pp. 7715–7722. doi: 10.1021/acs.est.6b00830.

Koç, R. and Özkeçeci, S. (2019) ‘The fabrication of exfoliated graphite sheet-based air cathodes and gel electrolyte for metal-air batteries’, *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, 41(14), pp. 1780–1790. doi: 10.1080/15567036.2018.1549154.

Lakraychi, A. E. and Vlad, A. (2018) ‘Organic Batteries - the route towards sustainable electrical energy storage technologies’, *Chimie Nouvelle*, 127, pp. 1–9.

Li, Y. and Lu, J. (2017) ‘Metal-Air Batteries: Will They Be the Future Electrochemical Energy Storage Device of Choice?’, *ACS Energy Letters*, 2(6), pp. 1370–1377. doi: 10.1021/acsenergylett.7b00119.

Lie, T. T., Prasad, K. and Ding, N. (2017) ‘The electric vehicle: a review’, *International Journal of Electric and Hybrid Vehicles*, 9(1), p. 49. doi: 10.1504/ijehv.2017.10003709.

Linghu, J. *et al.* (2019) ‘An improved model equation based on a Gaussian function trinomial for state of charge estimation of lithium-ion batteries’, *Energies*, 12(7). doi: 10.3390/en12071366.

Liu, Y. *et al.* (2017) ‘A comprehensive review on recent progress in aluminum–air

batteries', *Green Energy and Environment*, 2(3), pp. 246–277. doi: 10.1016/j.gee.2017.06.006.

Ma, Y. *et al.* (2019) 'Flexible and Wearable All-Solid-State Al-Air Battery Based on Iron Carbide Encapsulated in Electrospun Porous Carbon Nanofibers', *ACS Applied Materials and Interfaces*, 11(2), pp. 1988–1995. doi: 10.1021/acsami.8b14840.

Mardwianta, B. (2017) 'Pembangkitan Energi Listrik Pada Baterai Udara Dengan Bahan Karbon Aktif Dan Elektrolit Air Laut', *Conference SENATIK STT Adisutjipto Yogyakarta*, 3, pp. 0–7. doi: 10.28989/senatik.v3i0.123.

Maulana, I., Aripin and Chobir, A. (2019) 'Studi Elektrokimia Baterai Aluminium-', 01(01), pp. 25–28.

Van Mierlo, J. (2018) 'The world electric vehicle journal, the open access journal for the e-mobility scene', *World Electric Vehicle Journal*, 9(1), pp. 1–5. doi: 10.3390/wevj9010001.

Mitsubayashi, K. *et al.* (2001) 'Optical-Transparent Oxygen Sensor with a Thinner Membrane Structure', *Analytical Sciences*, 17(May), pp. i773–i776.

Mori, R. (2017) 'Electrochemical properties of a rechargeable aluminum-air battery with a metal-organic framework as air cathode material', *RSC Advances*, 7(11), pp. 6389–6395. doi: 10.1039/c6ra25164a.

Muhammad H. Rashid Kumar, N. and Kulkarni, A. R. (Ashish R. (2014) *Power*

electronics : devices, circuits and applications.

OKOBIRA, T., NGUYEN, D. T. and TAGUCHI, K. (2019) 'Simplification of Aluminum Air Battery by Gelation Electrolyte and Investigation of Material for Cathode Electrode', *Journal of the Japan Society of Applied Electromagnetics and Mechanics*, 27(1), pp. 108–114. doi: 10.14243/jsaem.27.108.

Pan, J. *et al.* (2018) 'Advanced Architectures and Relatives of Air Electrodes in Zn–Air Batteries', *Advanced Science*, 5(4). doi: 10.1002/advs.201700691.

Pangestica Saputry, A. *et al.* (2019) 'Jurnal Kimia Sains dan Aplikasi Journal of Scientific and Applied Chemistry /=jurnal Kimia Pengaruh Rasio LiB0B:Ti02 dari Lembaran Polimer Elektrolit sebagai Pemisah terhadap Kinerja Elektrokimia Baterai Lithium-Ion Berbasis LTO Title: The Effect of Rati', *Jurnal Kimia Sains dan Aplikasi*, 22(4), pp. 136–142.

Pino Martinez, M. (2017) 'Aluminium-Air Batteries: Study of Commercial Aluminium Alloys as Anodes', p. 165.

Raza, N. *et al.* (2017) 'Recent advances in titania-based composites for photocatalytic degradation of indoor volatile organic compounds', *Asian Journal of Atmospheric Environment*, 11(4), pp. 217–234. doi: 10.5572/ajae.2017.11.4.217.

Rowley, W. and Westwood, A. (2015) 'The need for renewable energy', *Petroleum Review*, 57(676), pp. 26–28.

Saputry, A., Lestariningsih, T. and Astuti, Y. (2019) 'Pengaruh Rasio LiB0B:Ti02 dari Lembaran Polimer Elektrolit sebagai Pemisah terhadap Kinerja Elektrokimia Baterai Lithium- Ion Berbasis LTO Agriccia', *Journal of Scientific and Applied Chemistry*, 22(4), pp. 136–142.

Shen, L. L. *et al.* (2019) 'Paper-based microfluidic aluminum-air batteries: Toward next-generation miniaturized power supply', *Lab on a Chip*, 19(20), pp. 3438–3447. doi: 10.1039/c9lc00574a.

Soylu, E., Soylu, T. and Bayir, R. (2017) 'Design and implementation of SOC prediction for a Li-Ion battery pack in an electric car with an embedded system', *Entropy*, 19(4). doi: 10.3390/e19040146.

Subagyo, R. *et al.* (2020) 'Rancang Bangun dan Pembuatan Mobil Listrik Bertenaga Solar Cell', *Buletin Profesi Insinyur*, 3(1), pp. 1–10. doi: 10.20527/bpi.v3i1.58.

Sucipto, A. D., Saroja, G. and Nuriyah, L. (2017) 'Pengukuran Densitas Bahan Organik', *Jurnal Sains dan Seni ITS*, 5(2), pp. 1–4.

Sumbung, F. H. and Letsoin, Y. (2020) 'Modeling and Control of Electric Motors U.S. Electric Motors Type Driproff 1150 RPM/10 HP/240 Volt Using MATLAB/Simulink', *European Journal of Electrical Engineering*, 22(3), pp. 223–232. doi: 10.18280/ejee.220303.

Sundén, B. (2019) 'Electrochemistry and thermodynamics', *Hydrogen, Batteries and*

Fuel Cells, pp. 15–36. doi: 10.1016/b978-0-12-816950-6.00002-6.

Taer, E., Syech, R. and Taslim, R. (2015) ‘Analisa Siklis Voltametri Superkapasitor Menggunakan Elektroda Karbon Aktif dari Kayu Karet Berdasarkan Variasi Aktivator KOH’, *Prosiding Seminar Nasional Fisika (E-Journal) SNF2015*, IV, pp. 105–110.

Teabnamang, P. *et al.* (2020) ‘High-capacity dual-electrolyte aluminum-air battery with circulating methanol anolyte’, *Energies*, 13(9), pp. 1–14. doi: 10.3390/en13092275.

Utara, Universitas Sumatera and Utara, Universitas Sumatera (2017) ‘Sintesis dan Potensi Aplikasi Polimer Elektrolit Padat Berbasis LiBOB-PVdF dengan Zat Aditif ZrO₂ untuk Baterai Lithium Ion’.

Wang, X. *et al.* (2015) ‘High energy density aqueous electrochemical capacitors with a KI-KOH electrolyte’, *ACS Applied Materials and Interfaces*, 7(36), pp. 19978–19985. doi: 10.1021/acsami.5b04677.

Yuski, M. N., Hadi, W. and Saleh, A. (2017) ‘Rancang Bangun Jangkar Motor DC (The Rotor of DC Motor Design)’, *Berkala Sainstek*, V (2), pp. 98–103.

Zulkifli, S. A. *et al.* (2014) ‘Impact of motor size & efficiency on acceleration, Fuel consumption & Emissions of split- axle through- the- road parallel hybrid electric vehicle’, *Applied Mechanics and Materials*, 663(October), pp. 498–503. doi:

10.4028/www.scientific.net/AMM.663.498.