

## DAFTAR PUSTAKA

- Accardo, A. et al. (2021) 'Life Cycle Assessment of an NMC Battery for Application to Electric Light-Duty Commercial Vehicles and Comparison with a Sodium-Nickel-Chloride Battery', *Applied Sciences*, 11(3), p. 1160. Available at: <https://doi.org/10.3390/app11031160>.
- Ahaliabadeh, Z. et al. (2022) 'Extensive comparison of doping and coating strategies for Ni-rich positive electrode materials', *Journal of Power Sources*, 540, p. 231633. Available at: <https://doi.org/10.1016/j.jpowsour.2022.231633>.
- Antika, I.F. and Hidayat, S. (no date) 'Karakteristik Anoda Baterai Lithium-Ion Yang Dibuat Dengan Metode Spraying Berbasis Binder Cmc', *Jurnal Ilmu dan Inovasi Fisika* [Preprint].
- Arsita, Y. and Astuti, A. (2016) 'Sintesis Komposit TiO<sub>2</sub>/Karbon Aktif Berbasis Bambu Betung (*Dendrocalamus asper*) dengan Menggunakan Metode Solid State Reaction', *Jurnal Fisika Unand*, 5(3), pp. 268–272. Available at: <https://doi.org/10.25077/jfu.5.3.268-272.2016>.
- B, J. and M.K., S. (2022) 'Enhanced cathode materials for advanced lithium-ion batteries using nickel-rich and lithium/manganese-rich LiNi Mn Co O<sub>2</sub>', *Journal of Energy Storage*, 54, p. 105353. Available at: <https://doi.org/10.1016/j.est.2022.105353>.
- Busà, C., Belekoukia, M. and Loveridge, M.J. (2021) 'The effects of ambient storage conditions on the structural and electrochemical properties of NMC-811 cathodes for Li-ion batteries', *Electrochimica Acta*, 366, p. 137358. Available at: <https://doi.org/10.1016/j.electacta.2020.137358>.
- Cannarella, J. et al. (2014) 'Mechanical Properties of a Battery Separator under Compression and Tension', *Journal of The Electrochemical Society*, 161(11), pp. F3117–F3122. Available at: <https://doi.org/10.1149/2.0191411jes>.
- Febriani, S.S. et al. (2018) A Review Solid Stated: Principles and Methode. preprint. INA-Rxiv. Available at: <https://doi.org/10.31227/osf.io/7us4x>.

- Hakam, M. et al. (2022) 'Sintesis dan Analisis Struktur Prekursor NMC811 dari Mix Hydroxide Precipitate (MHP) dengan Presipitan Asam Oksalat', *Equilibrium Journal of Chemical Engineering*, 5(2). Available at: <https://doi.org/10.20961/equilibrium.v5i2.58478>.
- Himmah Sekar Eka Ayu Gustiana et al. (2022) 'Synthesis and Characterization of NMC 811 by Oxalate and Hydroxide Coprecipitation Method', *Evergreen*, 9(2), pp. 438–442. Available at: <https://doi.org/10.5109/4794169>.
- Hutama, A.P. (2023) 'Evaluation of Nickel Manganese Cobalt (NMC) 111 and Lithium Cobalt Oxide (LCO) products', *Energy Storage Technology and Applications*, 2(2), p. 32. Available at: <https://doi.org/10.20961/esta.v2i2.67968>.
- Indrayana, I.P.T. et al. (2019) 'Nanostructure and Optical Properties of Fe<sub>3</sub>O<sub>4</sub>: Effect of Calcination Temperature and Dwelling Time', *Journal of Physics: Conference Series*, 1341(8), p. 082044. Available at: <https://doi.org/10.1088/1742-6596/1341/8/082044>.
- Leng, Y. (no date) 'Materials Characterization'.
- Linden, D. and Reddy, T.B. (eds) (2002) *Handbook of batteries*. 3rd ed. New York: McGraw-Hill (McGraw-Hill handbooks).
- Lisdawati, A.N. (2015), *Pengaruh Variasi Suhu Dan Waktu Kalsinasi Pada Pembentukan Fasa ZrO<sub>2</sub>*, Tesis, Institut Teknologi Sepuluh Nopember, Surabaya.
- Nasution, M. (no date) 'Karakteristik Baterai Sebagai Penyimpan Energi Listrik Secara Spesifik', 6.
- Perdana, F.A. (2021) 'Baterai Lithium', *INKUIRI: Jurnal Pendidikan IPA*, 9(2), p. 113. Available at: <https://doi.org/10.20961/inkuiri.v9i2.50082>.
- Permana, B. et al. (no date) 'Sintesis Nanopartikel Magnetik Dengan Metode Kopersipitasi'.
- Permatasari, E.P., Rindi, M.P. and Purwanto, A. (2017) 'Pembuatan Katoda Baterai

Lithium Ion Iron Phosphate ( $\text{LiFePO}_4$ ) dengan Metode Solid State Reaction', Equilibrium Journal of Chemical Engineering, 1(1), p. 27. Available at: <https://doi.org/10.20961/equilibrium.v1i1.40373>.

Pratapa, D.S. (2011) 'Analisis Data Difraksi Menggunakan Metode Rietveld'.

Priyono, S. et al. (2016) 'Pembuatan Anoda  $\text{Li}_4\text{Ti}_5\text{O}_{12}$  dan Studi Pengaruh Ketebalan Elektroda Terhadap Performa Elektrokimia Baterai Ion Lithium', 17(4).

Putri, L.N. et al. (no date) 'Review : Separator Baterai Ion Litium Dengan Penambahan Filler Dalam Membran PVDF/Selulosa'.

Sanad, M.M.S. et al. (2023) 'Controllable engineering of new  $\text{ZnAl}_2\text{O}_4$ -decorated  $\text{LiNi}_{0.8}\text{Mn}_{0.1}\text{Co}_{0.1}\text{O}_2$  cathode materials for high performance lithium-ion batteries', Journal of Materials Research and Technology, 23, pp. 1528–1542. Available at: <https://doi.org/10.1016/j.jmrt.2023.01.102>.

Tallman, K.R. et al. (no date) 'Nickel-rich Nickel Manganese Cobalt (NMC622) Cathode Lithiation Mechanism and Extended Cycling Effects Using Operando X-ray Absorption Spectroscopy'.

Tang, X. et al. (2022) 'Recent development of ionic liquid-based electrolytes in lithium-ion batteries', Journal of Power Sources, 542, p. 231792. Available at: <https://doi.org/10.1016/j.jpowsour.2022.231792>.

Teichert, P. et al. (2020) 'Degradation and Aging Routes of Ni-Rich Cathode Based Li-Ion Batteries', Batteries, 6(1), p. 8. Available at: <https://doi.org/10.3390/batteries6010008>.

Ully, W. (2022), Pengaruh Suhu Kalsinasi Terhadap Mikrostruktur, Porositas, Dan Kekerasan Nanokomposit  $\text{CaO/SiO}_2$  Untuk Implan Tulang, Tesis, Universitas Negeri Padang, Padang.

Vincent, C.A. and Scrosati, B. (eds) (1997) Modern batteries: an introduction to electrochemical power sources. London : New York: Arnold ; Copublished in North, Central and South America by Wiley.

- Wang, H. et al. (2020) 'Reviewing the current status and development of polymer electrolytes for solid-state lithium batteries', *Energy Storage Materials*, 33, pp. 188–215. Available at: <https://doi.org/10.1016/j.ensm.2020.08.014>.
- Wijareni, A.S. et al. (2022) 'Morphology and Particle Size of a Synthesized NMC 811 Cathode Precursor with Mixed Hydroxide Precipitate and Nickel Sulfate as Nickel Sources and Comparison of Their Electrochemical Performances in an NMC 811 Lithium-Ion Battery', *Energies*, 15(16), p. 5794. Available at: <https://doi.org/10.3390/en15165794>.
- Xu, L. et al. (2018) 'Progress in Preparation and Modification of LiNi 0.6 Mn 0.2 Co 0.2 O 2 Cathode Material for High Energy Density Li-Ion Batteries', *International Journal of Electrochemistry*, 2018, pp. 1–12. Available at: <https://doi.org/10.1155/2018/6930386>.
- Yao, Y. et al. (2019) 'Investigation of Ph on Electrochemical Performances of Ni-Rich NCM Cathode Material Precursor', *IOP Conference Series: Earth and Environmental Science*, 252, p. 022053. Available at: <https://doi.org/10.1088/1755-1315/252/2/022053>.
- Yuniarti, E. and Triwibowo, J. (2013) 'Pengaruh pH, Suhu dan Waktu pada Sintesis LiFePO<sub>4</sub>/C dengan Metode Sol-Gel Sebagai Material Katoda untuk Baterai Sekunder Lithium'.
- Yunita, F.E. et al. (no date) 'Pengaruh Natrium Terhadap Adsorpsi Lithium Pada Proses Pengendapan Menggunakan Mangan Hidroksida'.
- Zaidan, M. and Garinas, W. (2021) 'Kajian Bahan Baku Mineral Nikel Untuk Baterai Listrik di Daerah Sulawesi Tenggara', 1(1).
- Zhao, X. et al. (2015) 'Impact of pH on Morphology and Electrochemical Performance of LiFePO<sub>4</sub> as Cathode for Lithium-ion Batteries', *Integrated Ferroelectrics*, 164(1), pp. 98–102. Available at: <https://doi.org/10.1080/10584587.2015.1044878>.
- Zulius, A. (2017) 'Rancang Bangun Monitoring pH Air Menggunakan Soil Moisture Sensor di SMK N 1 Tebing Tinggi Kabupaten Empat Lawang', 2(1).