

DAFTAR PUSTAKA

- [1] M. I. Khan, M. M. Hassan, A. Rahim, and N. Muhammad, "Flexible Batteries," *Rechargeable Batteries*, pp. 41–60, 2020, doi: 10.1002/9781119714774.ch3.
- [2] T. Tao, S. Lu, and Y. Chen, "A Review of Advanced Flexible Lithium-Ion Batteries," *Advanced Materials Technologies*, vol. 3, no. 9, pp. 1–21, 2018, doi: 10.1002/admt.201700375.
- [3] M. Gong, L. Zhang, and P. Wan, "Polymer nanocomposite meshes for flexible electronic devices," *Progress in Polymer Science*, vol. 107, p. 101279, 2020, doi: 10.1016/j.progpolymsci.2020.101279.
- [4] Y. Yu *et al.*, "Ultrastretchable carbon nanotube composite electrodes for flexible lithium-ion batteries," *Nanoscale*, vol. 10, no. 42, pp. 19972–19978, 2018, doi: 10.1039/c8nr05241g.
- [5] Y. Zhao and J. Guo, "Development of flexible Li-ion batteries for flexible electronics," *InfoMat*, vol. 2, no. 5, pp. 866–878, 2020, doi: 10.1002/inf2.12117.
- [6] S. C. Shit and P. Shah, "A review on silicone rubber," *National Academy Science Letters*, vol. 36, no. 4, pp. 355–365, 2013, doi: 10.1007/s40009-013-0150-2.
- [7] V. Kumar, G. Lee, Monika, J. Choi, and D. J. Lee, "Studies on composites based on HTV and RTV silicone rubber and carbon nanotubes for sensors and actuators," *Polymer*, vol. 190, no. November 2019, p. 122221, 2020, doi: 10.1016/j.polymer.2020.122221.
- [8] V. Kumar, R. Wu, Q. Zhen, and D. Lee, "Conductive Films of Sonicated MWCNTs on Stretchable Substrates," 2017, doi: 10.1002/pi.5668.
- [9] A. Kausar, "Polydimethylsiloxane-based nanocomposite: present research scenario and emergent future trends," *Polymer-Plastics Technology and Materials*, vol. 59, no. 11, pp. 1148–1166, 2020, doi: 10.1080/25740881.2020.1719149.
- [10] V. A. Sugiawati, F. Vacandio, N. Yitzhack, Y. Ein-Eli, and T. Djenizian, "Direct pre-lithiation of electropolymerized carbon nanotubes for enhanced cycling performance of flexible li-ion micro-batteries," *Polymers*, vol. 12, no. 2, 2020, doi: 10.3390/polym12020406.
- [11] P. Song, J. Song, and Y. Zhang, "Stretchable conductor based on carbon nanotube/carbon black silicone rubber nanocomposites with highly mechanical, electrical properties and strain sensitivity," *Composites Part B: Engineering*, vol. 191, no. March, p. 107979, 2020, doi: 10.1016/j.compositesb.2020.107979.
- [12] V. Kumar, M. N. Alam, A. Manikkavel, J. Choi, and D. J. Lee, "Investigation of silicone rubber composites reinforced with carbon nanotube,

- nanographite, their hybrid, and applications for flexible devices,” *Journal of Vinyl and Additive Technology*, vol. 27, no. 2, pp. 254–263, 2021, doi: 10.1002/vnl.21799.
- [13] S. A. G. Thangavelu, A. Murali, M. Sharanya, S. N. Jaisankar, and A. B. Mandal, “Studies on biodegradable polyurethane-SWCNTs nanocomposite films by covalent approach: Physicochemical, electric and mechanical properties,” *Applied Surface Science*, vol. 449, pp. 745–754, 2018, doi: 10.1016/j.apsusc.2018.01.275.
- [14] R. Yudianti *et al.*, “Highly Stretchable and Sensitive Single-Walled Carbon Nanotube-Based Sensor Decorated on a Polyether Ester Urethane Substrate by a Low Hydrothermal Process,” *ACS Omega*, vol. 6, no. 50, pp. 34866–34875, 2021, doi: 10.1021/acsomega.1c05543.
- [15] A. Kumar, M. O. Shaikh, and C. H. Chuang, “Silver nanowire synthesis and strategies for fabricating transparent conducting electrodes,” *Nanomaterials*, vol. 11, no. 3, pp. 1–51, 2021, doi: 10.3390/nano11030693.
- [16] L. Fu and A. M. Yu, “Carbon nanotubes based thin films: Fabrication, characterization and applications,” *Reviews on Advanced Materials Science*, vol. 36, no. 1, pp. 40–61, 2014.
- [17] Y. Jin *et al.*, “Spray coating of a perfect absorber based on carbon nanotube multiscale composites,” *Carbon*, vol. 178, pp. 616–624, 2021, doi: 10.1016/j.carbon.2021.03.019.
- [18] M. Rahaman, A. Aldalbahi, and P. Bhagabati, “Preparation/Processing of Polymer–Carbon Composites by Different Techniques,” pp. 99–124, 2019, doi: 10.1007/978-981-13-2688-2_3.
- [19] M. T. Afif and I. A. P. Pratiwi, “Analisis Perbandingan Baterai Lithium-Ion, Lithium-Polymer, Lead Acid dan Nickel-Metal Hydride pada Penggunaan Mobil Listrik - Review,” *Jurnal Rekayasa Mesin*, vol. 6, no. 2, pp. 95–99, 2015, doi: 10.21776/ub.jrm.2015.006.02.1.
- [20] F. A. Perdana, “Baterai Lithium,” *INKUIRI: Jurnal Pendidikan IPA*, vol. 9, no. 2, p. 113, 2021, doi: 10.20961/inkuiri.v9i2.50082.
- [21] S. S. Rahardi, “Kajian Aplikasi Bahan Dengan Konduktivitas Listrik Tinggi Untuk Meningkatkan Unjuk Kerja Baterai Ion Litium,” *Jurnal Teknologi Bahan dan Barang Teknik*, vol. 7, no. 1, p. 31, 2017, doi: 10.37209/jtbbt.v7i1.92.
- [22] M. Khabibul *et al.*, “Review : Metode Sintesis Katoda LiFePO₄ Baterai,” vol. 3, no. 2, 2020.
- [23] J. Qifei, “Carbon nanomaterial / thermoplastic polyurethane composites for sports application : preparation , characterization and simulation CARBON NANOMATERIAL / THERMOPLASTIC POLYURETHANE COMPOSITES FOR SPORTS APPLICATION : PREPARATION , CHARACTERIZATION AND SIMU,” 2016.

- [24] S. Z. Al-Sheheri, Z. M. Al-Amshany, Q. A. Al Sulami, N. Y. Tashkandi, M. A. Hussein, and R. M. El-Shishtawy, "The preparation of carbon nanofillers and their role on the performance of variable polymer nanocomposites," *Designed Monomers and Polymers*, vol. 22, no. 1, pp. 8–53, Jan. 2019, doi: 10.1080/15685551.2019.1565664.
- [25] N. G. Sahoo, S. Rana, J. W. Cho, L. Li, and S. H. Chan, "Polymer nanocomposites based on functionalized carbon nanotubes," *Progress in Polymer Science (Oxford)*, vol. 35, no. 7, pp. 837–867, 2010, doi: 10.1016/j.progpolymsci.2010.03.002.
- [26] A. T. Surono and H. Sutanto, "SIFAT OPTIK Zinc Oxide (ZnO) YANG DIDEPOSISI DI ATAS SUBSTRAT KACA MENGGUNAKAN METODE CHEMICAL SOLUTION DEPOSITION (CSD) DAN APLIKASINYA UNTUK DEGRADASI ZAT WARNA METHYLENE BLUE," *Youngster Physics Journal*, vol. 3, no. 1, pp. 7–14, 2014.
- [27] P. Nguyen-Tri, T. A. Nguyen, P. Carriere, and C. Ngo Xuan, "Nanocomposite Coatings: Preparation, Characterization, Properties, and Applications," *International Journal of Corrosion*, vol. 2018, no. ii, 2018, doi: 10.1155/2018/4749501.
- [28] M. Majumder *et al.*, "Insights into the physics of spray coating of SWNT films," *Chemical Engineering Science*, vol. 65, no. 6, pp. 2000–2008, 2010, doi: 10.1016/j.ces.2009.11.042.
- [29] A. Mahendra and Z. A. I. Supardi, "View of SEBUAH REVIEW_ SPEKTROSKOPI IMPEDANSI ELEKTROKIMIA DAN APLIKASINYA DALAM BATERAI LITHIUM-ION.pdf," *Jurnal Inovasi Fisika Indonesia*, vol. 10, pp. 50–67, 2021.
- [30] U. Westerhoff, K. Kurbach, F. Lienesch, and M. Kurrat, "Analysis of Lithium-Ion Battery Models Based on Electrochemical Impedance Spectroscopy," *Energy Technology*, vol. 4, no. 12, pp. 1620–1630, 2016, doi: 10.1002/ente.201600154.
- [31] H. Watanabe, S. Omoto, Y. Hoshi, I. Shitanda, and M. Itagaki, "Electrochemical impedance analysis on positive electrode in lithium-ion battery with galvanostatic control," *Journal of Power Sources*, vol. 507, no. April, p. 230258, 2021, doi: 10.1016/j.jpowsour.2021.230258.
- [32] W. Choi, H.-C. Shin, J. M. Kim, D. Choi, Jae-Young, and W.-S. Yoon, "Modeling and Applications of Electrochemical Impedance Spectroscopy (EIS) for Lithium-ion Batteries," *2018 IEEE Transportation and Electrification Conference and Expo, ITEC 2018*, vol. 11, no. 1, pp. 342–346, 2018, doi: 10.1109/ITEC.2018.8450161.
- [33] T. Kim *et al.*, "Applications of voltammetry in lithium ion battery research," *Journal of Electrochemical Science and Technology*, vol. 11, no. 1, pp. 14–25, 2020, doi: 10.33961/jecst.2019.00619.

- [34] Q. Sabrina *et al.*, “Preparation and characterization of nanofibrous cellulose as solid polymer electrolyte for lithium-ion battery applications,” *RSC Advances*, vol. 11, no. 37, pp. 22929–22936, 2021, doi: 10.1039/d1ra03480d.
- [35] Y. Ko, Y. G. Cho, and H. K. Song, “Programming galvanostatic rates for fast-charging lithium ion batteries: A graphite case,” *RSC Advances*, vol. 4, no. 32, pp. 16545–16550, 2014, doi: 10.1039/c4ra01662a.
- [36] E. Catenaro and S. Onori, “Experimental data of lithium-ion batteries under galvanostatic discharge tests at different rates and temperatures of operation,” *Data in Brief*, vol. 35, p. 106894, 2021, doi: 10.1016/j.dib.2021.106894.
- [37] S. D. Fabre, D. Guy-Bouyssou, P. Bouillon, F. Le Cras, and C. Delacourt, “Charge/Discharge Simulation of an All-Solid-State Thin-Film Battery Using a One-Dimensional Model,” *Journal of The Electrochemical Society*, vol. 159, no. 2, pp. A104–A115, 2011, doi: 10.1149/2.041202jes.
- [38] K. Tingting, L. Yan, Z. Lei, and H. Yan, “Development of multi-channel automatic digital multimeter calibration device,” pp. 481–494, 2019.
- [39] Z. Chu *et al.*, “Testing Lithium-Ion Battery with the Internal Reference Electrode: An Insight into the Blocking Effect,” *Journal of The Electrochemical Society*, vol. 165, no. 14, pp. A3240–A3248, 2018, doi: 10.1149/2.0141814jes.
- [40] J. Wang, X. Zhang, Y. Liu, C. Xu, H. Zhang, and D. Wu, “Preparation of flexible and elastic thermal conductive nanocomposites via ultrasonic-assisted forced infiltration,” *Composites Science and Technology*, vol. 202, no. December 2020, p. 108582, 2021, doi: 10.1016/j.compscitech.2020.108582.
- [41] Y. Ji, J. Hu, L. Huang, W. Chen, C. Streb, and Y. F. Song, “Covalent attachment of anderson-type polyoxometalates to single-walled carbon nanotubes gives enhanced performance electrodes for lithium ion batteries,” *Chemistry - A European Journal*, vol. 21, no. 17, pp. 6469–6474, 2015, doi: 10.1002/chem.201500218.
- [42] S. X. dos Santos, É. T. G. Cavalheiro, and C. M. A. Brett, “Analytical potentialities of carbon nanotube/silicone rubber composite electrodes: Determination of propranolol,” *Electroanalysis*, vol. 22, no. 23, pp. 2776–2783, 2010, doi: 10.1002/elan.201000262.
- [43] S. X. dos Santos and É. T. G. & Cavalheiro, “Evaluation of the Potentialities of a Carbon Nanotubes/Silicone Rubber Composite Electrode in the Determination of Hydrochlorothiazide,” *Analytical Letters*, vol. 45, no. 11, pp. 1454–1466, 2012, doi: 10.1080/00032719.2012.675499.