



DAFTAR PUSTAKA

- Boothroyd, G., Dewhurst, P., & Knight, W. A. (2011). Product Design for Manufacture Assembly. In *Assembly Automation* (3rd ed., Vol. 24, Issue 2). CRC Press. <https://doi.org/10.1108/aa.2004.03324bae.001>
- Chen, T., Jin, Y., Lv, H., Yang, A., Liu, M., Chen, B., Xie, Y., & Chen, Q. (2020). Applications of Lithium-Ion Batteries in Grid-Scale Energy Storage Systems. *Transactions of Tianjin University*, 26(3), 208–217. <https://doi.org/10.1007/s12209-020-00236-w>
- Diekmann, J., Hanisch, C., Froböse, L., Schälicke, G., Loellhoeffel, T., Fölster, A.-S., & Kwade, A. (2017). Ecological Recycling of Lithium-Ion Batteries from Electric Vehicles with Focus on Mechanical Processes. *Journal of The Electrochemical Society*, 164(1), A6184–A6191. <https://doi.org/10.1149/2.0271701jes>
- Ernowo, Sunuhadi, D. N., & Awaludin, M. (2017). *Ketersediaan Nikel dan Kobalt untuk Bahan Industri Baterai Listrik di Indonesia*. Kementerian ESDM.
- Fang, z., Duan, Q., Peng, Q., Wei, Z., Cao, H., Sun, J., & Wang, Q. (2022). Comparative study of chemical discharge strategy to pretreat spent lithium-ion batteries for safe, efficient, and environmentally friendly recycling. *Journal of Cleaner Production*, 341, 132116. <https://doi.org/10.1016/j.jclepro.2022.132116>
- Global Battery Alliance. (2020). - Platform for Accelerating the Circular Economy. Diakses pada tanggal 24 April 2023 dari <https://pacecircular.org/global-battery-alliance>
- Hadiwibowo, S., Wisambodhi, S. M., Mahardika, M., & Perdana, I. (2020). Design of PLC-based Control System for 18650 Lithium-ion Battery Dismantling Machine. *IOP Conference Series: Materials Science and*



Engineering, 846(1), 0–5. <https://doi.org/10.1088/1757-899X/846/1/012041>

Huang, B., Pan, Z., Su, X., & An, L. (2018). Recycling of lithium-ion batteries: Recent advances and perspectives. *Journal of Power Sources*, 399(June), 274– 286. <https://doi.org/10.1016/j.jpowsour.2018.07.116>

International Energy Agency. (2021). Global EV Outlook 2021. Diakses pada tanggal 24 April 2023 dari <https://www.iea.org/reports/global-ev-outlook-2021>

Kavanagh, L., Keohane, J., Cabellos, G. G., Lloyd, A., & Cleary, J. (2018). *Global Lithium Sources — Industrial Use and Future in the Electric Vehicle Industry: A Review*. September. <https://doi.org/10.3390/resources7030057>

Khennane, A. (2013). *Introduction to Finite Element Analysis Using MATLAB and Abaqus* (1st Ed). Taylor & Francis Group, LLC.

Kim, S., Bang, J., Yoo, J., Shin, Y., Bae, J., Jeong, J., Kim, K., Dong, P., & Kwon,

K. (2021). A comprehensive review on the pretreatment process in lithium-ion battery recycling. *Journal of Cleaner Production*, 294, 126329.

<https://doi.org/10.1016/j.jclepro.2021.126329>

Lee, K. (1999). *Principles of CAD/CAM/CAE Systems*. Addison Wesley Longman, Inc.

Li, L., & Dong, G. (2018). A Rapid Design Method for Automotive Sheet Metal Components Based on 3D CAD and Sketch. *Advances in Mechanical Engineering*, 10(11), 1-11.

Liu, H., & Chen, W. (2018). Selection of safety factor for structural design based on reliability analysis. *IOP Conference Series: Materials Science and Engineering*, 395(1), 012040.

- Logan, D. L. (2007). A first course in the *Finite Element Method*. In *Finite Elements in Analysis and Design* (Fourth Edi, Vol. 3, Issue 2).
[https://doi.org/10.1016/0168-874x\(87\)90008-4](https://doi.org/10.1016/0168-874x(87)90008-4)
- Mahardika, M., Perdana, I., Hadiwibowo, S., & Wisambodhi, S. M. (2019). Mesin *Dismantling* Battery Lithium-Ion Model 18650 (Patent No. P00201907452)
- Mario. (2019). *The Benefits of Using Design Simulation at Your Company*.
<https://www.cadcrowd.com/blog/benefits-design-simulation/>
- Pahl, G., Beitz, W., Feldhusen, J., & Grote, K. (2007). Engineering Design: A Systematic Approach (3rd ed.). Springer-Verlag.
- Perdana, F.A. (2023). Baterai Lithium. Jurnal Universitas Sebelas Maret.
<https://jurnal.uns.ac.id/inkuir/article/download/50082/30866>
- Petchenik, J. (2010). Understanding Safety Factors. *Machine Design*, 82(15), 38-42.
- Sommerville, R., Shaw-stewart, J., Goodship, V., Rowson, N., & Kendrick, E. (2020). A review of physical processes used in the safe recycling of lithium ion batteries. *Sustainable Materials and Technologies*, 25, e00197.
<https://doi.org/10.1016/j.susmat.2020.e00197>
- Teng, X., & Wierzbicki, T. (2006). Evaluation of six fracture models in high velocity perforation. *Engineering Fracture Mechanics*, 73(12), 1653–1678. <https://doi.org/10.1016/j.engfracmech.2006.01.009>
- V. B. Bhandari. (2010). Design of Machine Elements. In *Design of Machine Elements*. The McGraw-Hill Companies, Inc.
- Wibisono, F. (2021). *PERANCANGAN DAN SIMULASI KONFIGURASI PISAU UNTUK MESIN SHREDDER BATERAI LITHIUM-ION TIPE 18650*.
- Xiao, J., Li, J., & Xu, Z. (2017). Recycling metals from lithium ion battery by mechanical separation and vacuum metallurgy. *Journal of Hazardous Materials*, 338, 124–131. <https://doi.org/10.1016/j.jhazmat.2017.05.024>



Xu, J., Liu, B., Wang, X., & Hu, D. (2016). Computational model of 18650 lithiumion battery with coupled strain rate and SOC dependencies.

Applied Energy, 172, 180–189.

<https://doi.org/10.1016/j.apenergy.2016.03.108>

Zeng, X., Li, J., & Singh, N. (2014). Recycling of spent lithium-ion battery: A critical review. *Critical Reviews in Environmental Science and Technology*, 44(10), 1129–1165.

<https://doi.org/10.1080/10643389.2013.763578>

Zion Market Research. (2021). Global 18650 lithium-ion battery market worth around USD 9.8 billion by 2028: Zion Market Research. Diakses pada tanggal 24 April 2023 dari <https://www.globenewswire.com/news-release/2021/06/07/2243542/0/en/Global-18650-Lithium-Ion-Battery-Market-Worth-Around-USD-9-8-Billion-by-2028-Zion-Market-Research.html>