

## DAFTAR PUSTAKA

- Almira Fanny, A. , & Erwin, J. (2023). Prototype Robot Kapal Pembersih Kolam Renang dengan Pengendali Remote Kontrol. (*Doctoral Dissertation, Politeknik Manufaktur Negeri Bangka Belitung*).
- Aminullah, T. (2020). Rancang Bangun Drone Pembersih Sampah Menggunakan Arduino Uno sebagai Pengendali Utama. (*Doctoral Dissertation, Universitas Dinamika*).
- Cardoso-Vera, J. D., Elizalde-Velázquez, G. A., Islas-Flores, H., Mejía-García, A., Ortega-Olvera, J. M., & Gómez-Oliván, L. M. (2021). A review of antiepileptic drugs: Part 1 occurrence, fate in aquatic environments and removal during different treatment technologies. *Science of The Total Environment*, 768, 145487. <https://doi.org/10.1016/j.scitotenv.2021.145487>
- Effendi, H., & Puspitaningrum, R. (2021). Rancang Bangun Sistem Monitoring Pemakaian Air Pam Dan Mutu Air Pada Komplek Perumahan Dengan Jaringan Nirkabel Lora Berbasis Arduino Uno. *SINUSOIDA*, 23(1), 50–60. <https://doi.org/10.37277/s.v23i1.1021>
- Ege, D. N., Goudswaard, M., Gopsill, J., Steinert, M., & Hicks, B. (2024). What, how and when should I prototype? An empirical study of design team prototyping practices at the IDEA challenge hackathon. *Design Science*, 10, e22. <https://doi.org/10.1017/dsj.2024.16>
- Faisyal, A. (2017). Sistem Kontrol Dan Monitoring Putaran Motor Mobil Rc (Remote Control) Berbasis Smartphone Android. (*Doctoral Dissertation, UNIVERSITAS NEGERI JAKARTA*).
- Fendy. (2012). *Mengenal Baterai Lithium Polymer (LiPo)*. Universitas Gunadarma.
- Ferraris, S. (2023). *The Role of Prototypes in Design Research* (S. D. Ferraris, Ed.). Springer Nature Switzerland. <https://doi.org/10.1007/978-3-031-24549-7>
- Fiore, C. (2023). Stepper Motors Basics: Types. *Uses, and Working Principles, Online: Https://Www. Monolithicpower. Com/En/Stepper-Motors-Basics-Types-Uses* (22.06. 2023.).
- Goudswaard, M., Real, R., Snider, C., Muñoz Camargo, L. E., Salgado Zamora, N., & Hicks, B. (2023). Knowledge dimensions in prototyping: investigating the what, when and how of knowledge generation during product development. *Design Science*, 9, e26. <https://doi.org/10.1017/dsj.2023.24>
- Hasibuan, M. R. R. (2023). *Manfaat Daur Ulang Sampah Organik Dan Anorganik Untuk Kesehatan Lingkungan*.
- Isnodo, P. D. A., Purnomo, P., & Edy, D. L. (2023). Development of Autodesk Inventor Professional 2022 Teaching Materials In Computer-Aided Engineering-Based Mechronic Systems Courses at The Mechronic Expertise Program at SMKN 8 MALANG. *Jurnal Pendidikan Teknik Mesin*, 10(1).
- Jambeck, J. R., Geyer, R., Wilcox, C., Siegler, T. R., Perryman, M., Andrade, A., Narayan, R., & Law, K. L. (2015). Plastic waste inputs from land into the ocean. *Science*, 347(6223), 768–771. <https://doi.org/10.1126/science.1260352>

- Kim, S.-H. (2017). Brushless direct current motors. In *Electric Motor Control* (pp. 389–416). Elsevier. <https://doi.org/10.1016/B978-0-12-812138-2.00010-6>
- Maberly, S. C., O'Donnell, R. A., Woolway, R. I., Cutler, M. E. J., Gong, M., Jones, I. D., Merchant, C. J., Miller, C. A., Politi, E., Scott, E. M., Thackeray, S. J., & Tyler, A. N. (2020). Global lake thermal regions shift under climate change. *Nature Communications*, 11(1), 1232. <https://doi.org/10.1038/s41467-020-15108-z>
- Mudikdjo, K., Hardjoamidjojo, S., & Ismail, A. (2013). ANALISIS KEBIJAKAN PEMANFAATAN SUMBERDAYA DANAU YANG BERKELANJUTAN (STUDI KASUS DANAU MANINJAU SUMATERA BARAT) Analysis of Lake Resources Sustainable Utilization Policy (Case Study of Maninjau Lake in West Sumatera). In *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan* (Vol. 3, Issue 1).
- Nasution, M. (2021). Karakteristik Baterai Sebagai Penyimpan Energi Listrik Secara Spesifik. *JET (Journal of Electrical Technology)*, 6(1), 35–40.
- Java, V., Chandra, S., Aherne, J., Alfonso, M. B., Antão-Geraldes, A. M., Attermeyer, K., Bao, R., Bartrons, M., Berger, S. A., Biernaczyk, M., Bissen, R., Brookes, J. D., Brown, D., Cañedo-Argüelles, M., Canle, M., Capelli, C., Carballeira, R., Cereijo, J. L., Chawchai, S., ... Leoni, B. (2023). Plastic debris in lakes and reservoirs. *Nature*, 619(7969), 317–322. <https://doi.org/10.1038/s41586-023-06168-4>
- Nuswantara, K., Harseno, A. R., Arlanti, I., Juniaستuti, S., Buliali, J. L., Savitri, E. D., Rintaningrum, R., Trisyanti, U., Saifulloh, M., Mahfud, C., & Jingga, A. P. (2024). Pemanfaatan Rak Buku Bergerak dengan Sistem Wireless Remote Control dengan Motor Penggerak pada Pita Frekuensi 2,4 Ghz di Perpustakaan Sekolah YPAC Surabaya. *Sewagati*, 8(4), 2015–2025. <https://doi.org/10.12962/j26139960.v8i4.2143>
- Pasaribu, R. P., Sagala, H., Djari, A. A., & Yosafat, Y. (2023). Prototype Robot Kapal Pengangkut Sampah Di Perairan. *MARLIN*, 5(1), 1–10.
- Patonra, A. H., Masita, S., Wibowo, N. R., & Fitriati, A. (2020). Rancang Bangun Media Pembelajaran Praktik Motor Stepper. *Mechatronics Journal in Professional and Entrepreneur (MAPLE)*, 2(1), 7–11.
- Safitri, H. R. (2019). Rancang Bangun Alat Pemberi Pakan Dan Pengganti Air Aquarium Otomatis Berbasis Arduino UNO. *Jitekh*, 7(1), 29–33.
- Setiawan, J., Facta, M., & Winardi, B. (2015). Perancangan DC Konverter Arus Searah Tipe Buck Pada Mode Operasi CCM dan DCM. *Transient: Jurnal Ilmiah Teknik Elektro*, 4(3), 572–581.
- Taguci, S. (2023). *Perancangan Dan Pembuatan Alat Pengangkut Sampah Otomatis Pada Aliran Sungai Dan Mendeteksi Kapasitas Sampah Berbasis Internet Of Things (IoT)*. <http://repository.unp.ac.id/47649/>
- Tyas, U. M., & Buckhari, A. A. (2023). IMPLEMENTASI APLIKASI ARDUINO IDE PADA MATA KULIAH SISTEM DIGITAL. *TEKNOS: Jurnal Pendidikan Dan Teknologi*, 1(1), 1–9.
- Ulrich, K. T., & Eppinger, S. D. (2020). *Product Design and Development*. McGraw-Hill/Irwin. <https://books.google.co.id/books?id=-eH-ewEACAAJ>

Waskita, P., Azahra, D. A., Setiawan, I. M. A., & Surojo, S. (2022). STASIUN PENGISIAN MOBIL LISTRIK BERBASIS PANEL SURYA. *Prosiding Seminar Nasional Inovasi Teknologi Terapan*, 2(02), 273–280.

Woolway, R. I., Kraemer, B. M., Lenters, J. D., Merchant, C. J., O'Reilly, C. M., & Sharma, S. (2020). Global lake responses to climate change. *Nature Reviews Earth & Environment*, 1(8), 388–403. <https://doi.org/10.1038/s43017-020-0067-5>

