

DAFTAR PUSTAKA

- Aini, N. *et al.* (2020) *Efektivitas Latihan Range Of Motion Pada Pasien Stroke Di Rumah Sakit Siti Hajar Effectiveness Of Range Of Motion Exercises In Stroke Patients At The Siti Hajar Hospital, Journal of Healthcare Technology and Medicine.*
- Anam, K., Chaidir, A.R. and Isman, F. (2021) ‘Hand motion strength forecasting using Extreme Learning Machine for post-stroke rehabilitation’, *Jurnal Teknologi dan Sistem Komputer*, 9(2), pp. 70–76. Available at: <https://doi.org/10.14710/jtsiskom.2021.13844>.
- Atmaji, C. *et al.* (2021) ‘Klasifikasi Gerakan Jari Tangan Berdasarkan Sinyal Electromyogram Pada Lengan’, *IJEIS (Indonesian Journal of Electronics and Instrumentation Systems)*, 11(1), p. 71. Available at: <https://doi.org/10.22146/ijeis.60741>.
- Chattopadhyay, J., Pathak, T.S. and Santos, D.M.F. (2023) ‘Applications of Polymer Electrolytes in Lithium-Ion Batteries: A Review’, *Polymers*. Multidisciplinary Digital Publishing Institute (MDPI). Available at: <https://doi.org/10.3390/polym15193907>.
- Dong, Y. *et al.* (2024) ‘Research on Experimental and Simulated Temperature Control Performance of Power Batteries Based on Composite Phase Change Materials’, *World Electric Vehicle Journal*, 15(7). Available at: <https://doi.org/10.3390/wevj15070302>.
- FALIH, A.D.I. (2017) *Klasifikasi Sinyal Emg Dari Otot Lengan Bawah Sebagai Media Kontrol Menggunakan Naïve Bayes.*
- Ganesan, Y., Gobee, S. and Durairajah, V. (2015) ‘Development of an Upper Limb Exoskeleton for Rehabilitation with Feedback from EMG and IMU Sensor’, in *Procedia Computer Science*. Elsevier B.V., pp. 53–59. Available at: <https://doi.org/10.1016/j.procs.2015.12.275>.
- Gaudet, G., Raison, M. and Achiche, S. (2021) ‘Current trends and challenges in pediatric access to sensorless and sensor-based upper limb exoskeletons’, *Sensors*. MDPI AG. Available at: <https://doi.org/10.3390/s21103561>.

- Gull, M.A. *et al.* (2021) 'A 4-dof upper limb exoskeleton for physical assistance: design, modeling, control and performance evaluation', *Applied Sciences (Switzerland)*, 11(13). Available at: <https://doi.org/10.3390/app11135865>.
- Hamzah Pohan, A. and Warpindyastuti, D. (2020) *Starting Torque Reduction of Direct Torque Control Based Synchronous Motor Using Simulated Annealing, Th.* Available at: <http://jurnal.umt.ac.id/index.php/jt/index>.
- Handsontec (2019) *Handson Technology GW4632-370 Worm Gear Motor.* Available at: www.handsontec.com.
- Hartinah, S. *et al.* (2019) 'Efektivitas Range Of Motion (Rom) Aktif Terhadap Kekuatan Otot Ekstremitas Atas Dan Ekstremitas Bawah Pada Lansia'.
- Hartono, S. and Dewanto, J. (2021) 'Perancangan Exoskeleton Untuk Terapi Range of Motion Pasif Lengan Atas Tahap Lanjut Penderita Stroke', *Jurnal Teknik Mesin*, 18(1), pp. 20–24. Available at: <https://doi.org/10.9744/jtm.18.1.20-24>.
- Jurnal, H. *et al.* (2018) 'JURNAL MANAJEMEN DAN TEKNIK INFORMATIKA ALAT MONITORING SUHU DAN KELEMBABAN MENGGUNAKAN ARDUINO UNO', *JUMANTAKA*, 02, p. 1.
- Kesehatan, J.I., Husada, S. and Syafni, A.N. (2020) 'Alma Nazelia Syafni, Post Stroke Patient Medical Rehabilitation Literatur Review Rehabilitasi Medik Pasien Pasca Stroke Post Stroke Patient Medical Rehabilitation'. Available at: <https://doi.org/10.35816/jiskh.v10i2.428>.
- Mangkusasmito, F. *et al.* (2020) 'Peningkatan Akurasi Sensor GY-521 MPU-6050 dengan Metode Koreksi Faktor Drift', *ULTIMA Computing*, XII(2), p. 91. Available at: <https://invensense.tdk.com/products/moti>.
- Menengah Mahir, P. (2011) *PENGENALAN ARDUINO* ✓ Oleh : Feri Djuandi. Available at: <http://www.arobotineveryhome.com>.
- Multajam, R. *et al.* (2016) 'Desain Dan Analisis Electromyography(Emg)Serta Aplikasinya Dalam Mendeteksi Sinyal Otot', II.
- Mustiadi, I. (2017) 'Klasifikasi Sinyal Emg Berbasis Jaringan Syaraf Tiruan Dan Discrete Wavelet Transform'.
- Nasution, M. (2021) *Muslih Nasution Karakteristik Baterai Sebagai Penyimpan Energi Listrik Secara Spesifik, Cetak) Journal of Electrical Technology.*

- Nizam, M., Yuana, H. and Wulansari, Z. (2022) *Mikrokontroler ESP 32 Sebagai Alat Monitoring Pintu Berbasis Web*, *Jurnal Mahasiswa Teknik Informatika*.
- Pangemanan, D.H.C. *et al.* (2012) *Gambaran Kekuatan Otot Dan Fleksibilitas Sendi Ekstremitas Atas Dan Ekstremitas Bawah Pada Siswa/I Smkn 3 Manado*.
- Pangesti, A., Julianti, H.P. and Pudjonarko, D. (2021) ‘Efektivitas Robotic Therapy dalam Meningkatkan Range of Motion dan Memperbaiki Tonus Pasien Stroke Iskemik’. Available at: <https://doi.org/10.36408/mhjcm.v8i1.530> (Accessed: 25 May 2025).
- Ramdan, R., Lasmadi, L. and Setiawan, P. (2022) ‘Sistem Pengendali On-Off Lampu dan Motor Servo sebagai Penggerak Gerendel Pintu Berbasis Internet Of Things (IoT)’, *AVITEC*, 4(2), p. 211. Available at: <https://doi.org/10.28989/avitec.v4i2.1317>.
- Rizqullah, A.N., Setia Budi, A. and Primananda, R. (2023) *Sistem Pemanggil Pelayan LCLE (Low Cost Low Energy) berbasis ESP-NOW*. Available at: <http://j-ptiik.ub.ac.id>.
- Rokhana, R., Susetyo Wardana, P. and Kemalasari (2009) *Identifikasi Sinyal Electromyograph (Emg) Pada Gerak Ekstensi-Fleksi Siku Dengan Metode Konvolusi Dan Jaringan Syaraf Tiruan*.
- Ryan Syareza, S. *et al.* (2018) *Jurnal Politeknik Caltex Riau Alat Bantu Terapi Pasca Stroke Untuk Tangan*. Available at: <http://jurnal.pcr.ac.id>.
- Saad, I. *et al.* (2016) ‘Electromyogram (EMG) signal processing analysis for clinical rehabilitation application’, in *Proceedings - AIMS 2015, 3rd International Conference on Artificial Intelligence, Modelling and Simulation*. Institute of Electrical and Electronics Engineers Inc., pp. 105–110. Available at: <https://doi.org/10.1109/AIMS.2015.76>.
- Sun, B. *et al.* (2023) ‘Physiological-induced conductive response evaluation in specific muscle compartments under hybrid of electrical muscle stimulation and voluntary resistance training by electrical impedance tomography’, *Frontiers in Physiology*, 14. Available at: <https://doi.org/10.3389/fphys.2023.1185958>.
- Farham, M. (2023) *EMG BICEPS*.

- Triwiyanto Triwiyanto, A., Rahmawati, T. and Duwi Setiyowati, A. (2024) ‘Upper Limb Exoskeleton Designs An MPU 6050 IMU Sensor With Mode Selection’. Available at: <https://doi.org/10.17605/OSF.IO/2GYJ5>.
- Wahid Ibrahim, A. *et al.* (2016) ‘Sistem Kontrol Torsi pada Motor DC’, *IJEIS*, 6(1), pp. 93–104.
- Wicaksono, M.F. and Rahmatya, M.D. (2020) ‘Implementasi Arduino dan ESP32 CAM untuk Smart Home’, *Jurnal Teknologi dan Informasi* [Preprint]. Available at: <https://doi.org/10.34010/jati.v10i1>.
- Wicaksono, M.F. and Rahmatya, M.D. (2022) ‘IoT for Residential Monitoring Using ESP8266 and ESP-NOW Protocol’, *Jurnal Ilmiah Teknik Elektro Komputer dan Informatika*, 8(1), p. 93. Available at: <https://doi.org/10.26555/jiteki.v8i1.23616>.
- Zerynth (2020) *DOIT Esp32 DevKit*.