

DAFTAR PUSTAKA

- Barbosa, A. M., Carvalho, J. C. M., & Gonçalves, R. S. (2018). Cable-driven lower limb rehabilitation robot. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 40(5). <https://doi.org/10.1007/s40430-018-1172-y>
- Carpino, G., Pezzola, A., Urbano, M., & Guglielmelli, E. (2019). Response to: Comment on “assessing effectiveness and costs in robot-mediated lower limbs rehabilitation: A meta-analysis and state of the art.” *Journal of Healthcare Engineering*, 2019. <https://doi.org/10.1155/2019/9693801>
- Eiammanussakul, T., & Sangveraphunsiri, V. (2018). A lower limb rehabilitation robot in sitting position with a review of training activities. *Journal of Healthcare Engineering*, 2018. <https://doi.org/10.1155/2018/1927807>
- Eichenhofer, M., Arreguin, S., & Wong, J. (2019). Disability and Rehabilitation. *Neurogastroenterology and Motility*, 434, 1–5. <https://ejournal3.undip.ac.id/index.php/jamt/article/view/5101>
- Gherman, B., Birlescu, I., Plitea, N., Carbone, G., Tarnita, D., & Pisla, D. (2019). On the singularity-free workspace of a parallel robot for lower-limb rehabilitation. *Proceedings of the Romanian Academy Series A - Mathematics Physics Technical Sciences Information Science*, 20(4), 383–391.
- I Gede Suputra Widharma. (2021). *Buku Teks Mikrokontroler* (Nomor September).
- Khoshdel, V., Akbarzadeh, A., Naghavi, N., Sharifnezhad, A., & Souzanchi-Kashani, M. (2018). sEMG-based impedance control for lower-limb rehabilitation robot. *Intelligent Service Robotics*, 11(1), 97–108. <https://doi.org/10.1007/s11370-017-0239-4>
- Ma’Arif, A., Iswanto, Raharja, N. M., Rosyady, P. A., Baswara, A. R. C., & Nuryono, A. A. (2020). Control of DC Motor Using Proportional Integral Derivative (PID): Arduino Hardware Implementation. *Proceeding - 2020 2nd International Conference on Industrial Electrical and Electronics, ICIEE 2020*, 74–78. <https://doi.org/10.1109/ICIEE49813.2020.9277258>
- Maarif, A., & Setiawan, N. R. (2021). Control of dc motor using integral state feedback and comparison with pid: Simulation and arduino implementation. *Journal of Robotics and Control (JRC)*, 2(5), 456–461. <https://doi.org/10.18196/jrc.25122>
- Michael A.Johnson dan Mohammad H.Moradi. (2016). *PID CONTROLER* (Nomor 0). Springer.
- Mohanta, J. K., Mohan, S., Deepasundar, P., & Kiruba-Shankar, R. (2018).

- Development and control of a new sitting-type lower limb rehabilitation robot. *Computers and Electrical Engineering*, 67(June), 330–347. <https://doi.org/10.1016/j.compeleceng.2017.09.015>
- Molteni, F., Gasperini, G., Cannaviello, G., & Guanziroli, E. (2018). Exoskeleton and End-Effector Robots for Upper and Lower Limbs Rehabilitation: Narrative Review. *PM and R*, 10(9), S174–S188. <https://doi.org/10.1016/j.pmrj.2018.06.005>
- Noveletto, F., Soares, A. V., Eichinger, F. L. F., Domenech, S. C., Hounsell, M. D. S., & Filho, P. B. (2020). Biomedical Serious Game System for Lower Limb Motor Rehabilitation of Hemiparetic Stroke Patients. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 28(6), 1481–1487. <https://doi.org/10.1109/TNSRE.2020.2988362>
- Ou, Y. K., Wang, Y. L., Chang, H. C., & Chen, C. C. (2020). Design and development of a wearable exoskeleton system for stroke rehabilitation. *Healthcare (Switzerland)*, 8(1), 1–14. <https://doi.org/10.3390/healthcare8010018>
- Pisla, D., Nadas, I., Tucan, P., Albert, S., Carbone, G., Antal, T., Banica, A., & Gherman, B. (2021). Development of a control system and functional validation of a parallel robot for lower limb rehabilitation. *Actuators*, 10(10), 1–20. <https://doi.org/10.3390/act10100277>
- Putra, D. F. A., & Muharom, A. S. (2021). The stability of cannon position on tank prototype using PID controller. *Indonesian Journal of Electrical Engineering and Computer Science*, 23(3), 1565–1575. <https://doi.org/10.11591/ijeecs.v23.i3.pp1565-1575>
- Rikwan, R., & Ma’arif, A. (2023). DC Motor Rotary Speed Control with Arduino UNO Based PID Control. *Control Systems and Optimization Letters*, 1(1), 17–31. <https://doi.org/10.59247/csol.v1i1.6>
- Rizaldy Taslim Pinzon. (2016). *AWAS STROKE*. BETHA GRAFIKA Yogyakarta.
- Romero-Laiseca, M. A., Delisle-Rodriguez, D., Cardoso, V., Gurve, D., Loterio, F., Posses Nascimento, J. H., Krishnan, S., Frizera-Neto, A., & Bastos-Filho, T. (2020). A Low-Cost Lower-Limb Brain-Machine Interface Triggered by Pedaling Motor Imagery for Post-Stroke Patients Rehabilitation. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 28(4), 988–996. <https://doi.org/10.1109/TNSRE.2020.2974056>
- Sayila, V., Kundeti, S., Srinivasa, V., Nimmagadda, R., & Oleti, U. (2023). *Arduino Micro Controller and MPU 6050 Gyroscope based Automatic Speed Control System for Electric Bike at Tight Turns*. June. <https://doi.org/10.17577/IJERTV12IS060101>

- Shi, D., Zhang, W., Zhang, W., & Ding, X. (2019). A Review on Lower Limb Rehabilitation Exoskeleton Robots. *Chinese Journal of Mechanical Engineering (English Edition)*, 32(1). <https://doi.org/10.1186/s10033-019-0389-8>
- Wang, Y. L., Wang, K. Y., Li, X., Mo, Z. J., & Wang, K. C. (2021). Control Strategy and Experimental Research of Cable-Driven Lower Limb Rehabilitation Robot. *IEEE Access*, 9, 79182–79195. <https://doi.org/10.1109/ACCESS.2021.3083810>
- Zhang, X., Yue, Z., & Wang, J. (2017). Robotics in Lower-Limb Rehabilitation after Stroke. *Behavioural Neurology*, 2017. <https://doi.org/10.1155/2017/3731802>
- Zhou, J., Yang, S., & Xue, Q. (2021). Lower limb rehabilitation exoskeleton robot: A review. *Advances in Mechanical Engineering*, 13(4), 1–17. <https://doi.org/10.1177/16878140211011862>
- Zimmermann, Y., Forino, A., Riener, R., & Hutter, M. (2019). ANYexo: A Versatile and Dynamic Upper-Limb Rehabilitation Robot. *IEEE Robotics and Automation Letters*, 4(4), 3649–3656. <https://doi.org/10.1109/LRA.2019.2926958>