

DAFTAR PUSTAKA

- Akbari-Hasanjani, R., Javadi, S. and Sabbaghi-Nadooshan, R. (2015) 'DC motor speed control by self-tuning fuzzy PID algorithm', *Transactions of the Institute of Measurement and Control*, 37(2), pp. 164–176. doi:10.1177/0142331214535619.
- Alfano, A.G. *et al.* (2019) 'Modelling and Simulation of DC Motor Speed Control Using Fuzzy-PID Algorithm', *Journal of Electrical, Electronic, Information, and Communication Technology*, 1(1), pp. 13–18. doi:10.20961/jeeict.v1i1.34260.
- Almatheel, Y.A. and Abdelrahman, A. (2017) 'Speed control of DC motor using Fuzzy Logic Controller', in *2017 International Conference on Communication, Control, Computing and Electronics Engineering (ICCCCEE). 2017 International Conference on Communication, Control, Computing and Electronics Engineering (ICCCCEE)*, pp. 1–8. doi:10.1109/ICCCCEE.2017.7867673.
- Anand, M.C. and Bharatraj, J. (2017) 'Theory of Triangular Fuzzy Number', *Conference: National Conference on Advanced Trends in Mathematics*. Thiruvalluvar University.
- Anitha, T. and Gopu, G. (2021) 'Controlled mechanical ventilation for enhanced measurement in pressure and flow sensors', *Measurement: Sensors*, 16, p. 100054. doi:10.1016/j.measen.2021.100054.
- Anshory, I., Robandi, I., and Wirawan (2020) 'Identification parameter system for mathematical modeling BLDC motor using transfer function models', *IOP Conference Series: Materials Science and Engineering*, 821, p. 012023. doi:10.1088/1757-899X/821/1/012023.
- Arindya, R. (2017) 'Penalaan Kendali PID untuk pengendali proses', *Jurnal Teknologi Elektro*, 8(2), p. 109-116. doi: 10.25105/semnas.v0i0.
- Barr, M. (2001). *'Embedded Systems Programming'*, O'Reilly Media Inc., United states.
- Chin, HH.(2006). 'All Digital Design and Implementation of Propotional-IntegralDerivative (PID) Controller'. *Theses*. Lexington: University of Kentucky.
- Fahmizal, F., Fathuddin, F. and Susanto, R. (2018) 'Identifikasi Sistem Motor DC dan Kendali Linear Quadratic Regulator Berbasis Arduino-Simulink Matlab', *Majalah Ilmiah Teknologi Elektro*, 17(2), p. 399. doi:10.24843/MITE.2018.v17i02.P20.



- Gupta, A., Dalvi, N. and Tendolkar, B. (2016) 'A comparative study of volume control ventilation versus pressure control ventilation in patients of trauma', *International Journal of Research in Medical Sciences*, pp. 3873–3878. doi:10.18203/2320-6012.ijrms20162866.
- Has, Z., Muslim, A.H. and Mardiyah, N.A. (2017) 'Adaptive-fuzzy-PID controller based disturbance observer for DC motor speed control', in *2017 4th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI). 2017 4th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)*, pp. 1–6. doi:10.1109/EECSI.2017.8239165.
- Hidayat, R, C. (2015). Implementasi Sistem Kendali Gerak Lurus Robot *Three Omni-Directional Drive* dengan Metode PID Fuzzy, *Skripsi, Ilmu Komputer dan Elektronika*, Universitas Gadjah Mada, Yogyakarta.
- Hossain, S.M.T. *et al.* (2018) 'Design Construction and Performance Test of a Low-Cost Portable Mechanical Ventilator for Respiratory Disorder', p. 7.
- Khoury, A. *et al.* (2014) 'From Mouth-to-Mouth to Bag-Valve-Mask Ventilation: Evolution and Characteristics of Actual Devices—A Review of the Literature', *BioMed research international*, 2014, p. 762053. doi:10.1155/2014/762053.
- Medicines & Healthcare Products Regulatory Agency (2020) 'Rapidly Manufactured Ventilator System', <https://www.gov.uk/government/publications/specification-for-ventilators-to-be-used-in-uk-hospitals-during-the-coronavirus-covid-19-outbreak>, 20 Maret 2020, diakses 22 September 2021.
- Mehedi, I.M. *et al.* (2021) 'Fuzzy PID Control for Respiratory Systems', *Journal of Healthcare Engineering*. Edited by D. Singh, 2021, pp. 1–6. doi:10.1155/2021/7118711.
- Morán, M.E.F. and Viera, N.A.P. (2017) 'Comparative study for DC motor position controllers', in *2017 IEEE Second Ecuador Technical Chapters Meeting (ETCM). 2017 IEEE Second Ecuador Technical Chapters Meeting (ETCM)*, pp. 1–6. doi:10.1109/ETCM.2017.8247475.
- Nurcahyo, A.R. (2016), 'Self Balancing Robot dengan Metode PID', *Proyek Akhir*, Departemen Teknik Elektro dan Informatika, Sekolah Vokasi, Universitas Gadjah Mada, Yogyakarta.
- Oktavian, A.D. (2020). 'Rancang Bangun Alat Bantu Pernapasan Ventilator Berbasis Wireless Sensor Network', *Jurnal ICTEE*, 1(1), pp. 11-14.



- Park, D. (2017) 'Application of different ventilator modes in patients with amyotrophic lateral sclerosis according to certain clinical situations: A Case Report', *Medicine*, 96(34), p. e7899. doi:10.1097/MD.00000000000007899.
- Sayin, F.S. and Erdal, H. (2018) 'Design, Modelling, Prototyping and Closed Loop Control of a Mechanical Ventilator for Newborn Babies', in *2018 6th International Conference on Control Engineering & Information Technology (CEIT)*. *2018 6th International Conference on Control Engineering & Information Technology (CEIT)*, Istanbul, Turkey: IEEE, pp. 1–5. doi:10.1109/CEIT.2018.8751846.
- Shi, Y., Zhang, H. and Luo, Z. (2019) 'Mechanical Ventilation Intelligent Control Technology Based on Fuzzy Adaptive PID', in *2019 IEEE 8th International Conference on Fluid Power and Mechatronics (FPM)*. *2019 IEEE 8th International Conference on Fluid Power and Mechatronics (FPM)*, Wuhan, China: IEEE, pp. 156–163. doi:10.1109/FPM45753.2019.9035796.
- Somwanshi, D. *et al.* (2019) 'Comparison of Fuzzy-PID and PID Controller for Speed Control of DC Motor using LabVIEW', *Procedia Computer Science*, 152, pp. 252–260. doi:10.1016/j.procs.2019.05.019.
- University of South Florida and Smith, C. (2020) 'Calculating AMBU Bag Dimensions for Use in Portable Ventilators', *Undergraduate Journal of Mathematical Modeling: One + Two*, 11(1). doi:10.5038/2326-3652.11.1.4923.
- Wang, X.L. *et al.* (2015) 'Rapid Design of DC Motor Speed Control System Based on MATLAB', *Applied Mechanics and Materials*, 743, pp. 168–171. doi:10.4028/www.scientific.net/AMM.743.168.
- Wirawan, A.R.J. (2016) 'Motor DC Speed Adjustment By Propotional Integral Derivative (PID) Based on LabView', *Telekontran: Jurnal Ilmiah Telekomunikasi, Kendali dan Elektronika Terapan*, 4(2), pp. 13–24. doi:10.34010/telekontran.v4i2.1886.