

## DAFTAR PUSTAKA

- [1] F. I. Allison, A. C. Ojule, L. Shittu, and E. O. Bamigbowu, "The Effects Of Speed And Duration Of Centrifugation On The Values of Some Commonly Measured Plasma Electrolytes," *Eur. J. Med. Heal. Sci.*, vol. 2, no. 2, pp. 2–5, 2020, doi: 10.24018/ejmed.2020.2.2.187.
- [2] M. Sadegh-Cheri, "SeparateDuino: Design and Fabrication of a Low-Cost Arduino-Based Microcentrifuge Using the Recycled Parts of a Computer DVD Drive," *J. Chem. Educ.*, vol. 97, no. 8, pp. 2338–2341, 2020, doi: 10.1021/acs.jchemed.0c00107.
- [3] M. Gleiss, S. Hammerich, M. Kespe, and H. Nirschl, "Development of a Dynamic Process Model for the Mechanical Fluid Separation in Decanter Centrifuges," *Chem. Eng. Technol.*, vol. 41, no. 1, pp. 19–26, 2018, doi: 10.1002/ceat.201700113.
- [4] S. Wang and G. Idinger, "A device for rainfall simulation in geotechnical centrifuges," *Acta Geotech.*, vol. 16, no. 9, pp. 2887–2898, 2021, doi: 10.1007/s11440-021-01186-w.
- [5] L. E. Spelter and H. Nirschl, "Classification of fine particles in high-speed centrifuges," *Chem. Eng. Technol.*, vol. 33, no. 8, pp. 1276–1282, 2010, doi: 10.1002/ceat.201000089.
- [6] T. Kai, "Basic characteristics of centrifuges, (III):

Analysis of fluid flow in centrifuges,” *J. Nucl. Sci. Technol.*, vol. 14, no. 4, pp. 267–281, 1977, doi: 10.1080/18811248.1977.9730756.

- [7] F. H. Ali, H. Mohammed Mahmood, and S. M. B. Ismael, “LabVIEW FPGA implementation of a PID controller for D.C. motor speed control,” *EPC-IQ01 2010 - 2010 1st Int. Conf. Energy, Power Control*, vol. 6, no. 2, pp. 139–144, 2010, doi: 10.37917/ijeee.6.2.9.
- [8] J. Erdman, R. J. Kerkman, D. Schlegel, and G. Skibinski, “Effect of PWM inverters on AC motor bearing currents and shaft voltages,” *Conf. Proc. - IEEE Appl. Power Electron. Conf. Expo. - APEC*, vol. 1, no. January 2014, pp. 24–33, 1995, doi: 10.1109/apec.1995.468957.
- [9] H. Firdaus, B. G. Irianto, Sumber, and J. Lu, “Analysis of the Drop Sensors Accuracy in Central Peristaltic Infusion Monitoring Displayed on PC Based Wireless (TCRT5000 Drop Sensor),” *J. Electron. Electromed. Eng. Med. Informatics*, vol. 4, no. 1, pp. 42–49, 2022, doi: 10.35882/jeeemi.v4i1.5.
- [10] H. Positions, “Zyxwv Zyxw Zyxw,” pp. 206–208, 2001.
- [11] R. Arun Kumar and J. L. Febin Daya, “A novel self - Tuning fuzzy based PID controller for speed control of induction motor drive,” *2013 Int. Conf. Control Commun. Comput. ICCC 2013*, no. December, pp. 62–67, 2013, doi: 10.1109/ICCC.2013.6731625.

- [12] M. Saad, A. H. Amhedb, and M. Al Sharqawi, "Real time DC motor position control using PID controller in LabVIEW," *J. Robot. Control*, vol. 2, no. 5, pp. 342–348, 2021, doi: 10.18196/jrc.25104.
- [13] K. Sundareswaran, "Induction Motor Fundamentals," *Elem. Concepts Power Electron. Drives*, pp. 263–276, 2019, doi: 10.1201/9780429423284-9.
- [14] D. Xu, B. Wang, G. Zhang, G. Wang, and Y. Yu, "A review of sensorless control methods for AC motor drives," *CES Trans. Electr. Mach. Syst.*, vol. 2, no. 1, pp. 104–115, 2020, doi: 10.23919/tems.2018.8326456.
- [15] J. Fischer and J. Strackeljan, "Stability analysis of high speed lab centrifuges considering internal damping in rotor-shaft joints," *Tech. Mech.*, vol. 26, no. 2, pp. 131–147, 2006.
- [16] T. Kail, "Basic characteristics of centrifuges, (Iv): Analysis of separation performance of centrifuges," *J. Nucl. Sci. Technol.*, vol. 14, no. 7, pp. 506–518, 1977, doi: 10.1080/18811248.1977.9730794.
- [17] J. J. W. A. Van Loon, E. H. T. E. Folgering, C. V. C. Bouten, J. P. Veldhuijzen, and T. H. Smit, "Inertial shear forces and the use of centrifuges in gravity research. What is the proper control?," *J. Biomech. Eng.*, vol. 125, no. 3, pp. 342–346, 2003, doi: 10.1115/1.1574521.

- [18] A. K. Patel, A. Jha, P. More, and R. Henry, "Design and Development of Low-cost Portable Centrifuge using Additive Manufacturing," vol. 14, no. 1, pp. 126–129, 2019.
- [19] T. P. Tunggal, L. A. Kirana, A. Z. Arfianto, E. T. Helmy, and F. Waseel, "Design of contact and non-contact tachometer using microcontroller," *J. Robot. Control*, vol. 1, no. 3, pp. 65–69, 2020, doi: 10.18196/jrc.1315.
- [20] H. Asadina, T. Hamzah, D. Titisari, and B. Utomo, "A Centrifuge Calibrator Based on Personal Computer Equipped with Data Processor," *Indones. J. Electron. Electromed. Eng. Med. informatics*, vol. 1, no. 1, pp. 14–19, 2019, doi: 10.35882/ijeemi.v1i1.3.
- [21] L. F. Wakidi, "Internal Calibration For Centifuge Using A Digital Tachometer as a Synergistic Collaboration Between the Health Polytechnic of the Ministry of Health Surabaya and the Turi Lamongan Health," vol. 1, no. 1, pp. 23–27, 2022.
- [22] R. Palanisamy, S. Vidyasagar, V. Kalyanasundaram, and R. Sridhar, "Contactless digital tachometer using microcontroller," *Int. J. Electr. Comput. Eng.*, vol. 11, no. 1, pp. 293–299, 2021, doi: 10.11591/ijece.v11i1.pp293-299.
- [23] M. R. Speed, "Tr 45-01," pp. 1–7, 2008.
- [24] "The Development of Zonal Centrifuges."
- [25] D. Galatchi, "Evaluation of constrained multicast

routing algorithms for real-time communication on high-speed networks,” *Proceeding Int. Conf. Telecommun.*, vol. 1, pp. 972–975, 2002.

