

DAFTAR PUSTAKA

- [1] S. Agmal, J. A. Prakosa and C. Astuti, "Measurement Uncertainty Analysis of the Embedded System of Microcontroller for An Accurate Timer/Stopwatch," 2021 7th International Conference on Electrical, Electronics and Information Engineering (ICEEIE), Malang, Indonesia, 2021, pp. 290-294, doi: 10.1109/ICEEIE52663.2021.9616813. keywords: {Embedded systems;Microcontrollers;Measurement uncertainty;Cesium;Time measurement;Delays;Calibration;microcontroller;embedded system;timer;stop watch;accuracy;measurement uncertainty},
- [2] N. Kiktev, N. Chichikalo, H. Rozorinov and K. Larina, "Infocommunication System of Automated Control of Conveyor Lines," 2021 IEEE 8th International Conference on Problems of Infocommunications, Science and Technology (PIC S&T), Kharkiv, Ukraine, 2021, pp. 71-76, doi: 10.1109/PICST54195.2021.9772214. keywords: {Schedules;Databases;Decision making;Loading;Pipelines;Control systems;Software;conveyor line;coal;optimization;method;database;information system;decision making},
- [3] W. O. Lujan, "The role of test methods and specifications in *Coil winding*," Proceedings: Electrical Insulation Conference and Electrical Manufacturing and *Coil Winding* Conference, Rosemont, IL, USA, 1997, pp. 627-640, doi: 10.1109/EEIC.1997.651269.
- [4] A. Z. Putri, H. Susanti, M. H. Barri, A. I. Haq and F. F. Fillah, "Implementation of Nema-17 Stepper Motor and SG-90 Servo Motor as Mechanical Drivers on Spinal Needle Positioning Test Equipment," 2023 IEEE International Biomedical Instrumentation and Technology Conference (IBITeC), Yogyakarta, Indonesia, 2023, pp. 52-57, doi: 10.1109/IBITeC59006.2023.10390937.

- [5] J. Luo, P. Cao, B. Yu, M. Zhang and W. Xu, "The *Coil* Auto-lifting System of Intelligent *Winding* Machine," 2021 4th International Conference on Robotics, Control and Automation Engineering (RCAE), Wuhan, China, 2021, pp. 246-250, doi: 10.1109/RCAE53607.2021.9638781.
- [6] Van Tu Duong et al., "Active real-time tension control for *Coil winding* machine of BLDC motors," 2014 International Conference on Advances in Computing, Communications and Informatics (ICACCI), Delhi, India, 2014, pp. 765-770, doi: 10.1109/ICACCI.2014.6968514.
- [7] Audrey O'Shea, "Introduction to the Arduino Nano," in A Geek Girl's Guide to Electronics and the Internet of Things , Wiley, 2021, pp.53-81, doi: 10.1002/9781119683674.ch4. keywords: {Voltage;Universal Serial Bus;Microcontrollers;Transformers;Pins;Hardware;Fuses},
- [8] Y. Cheng and Y. Shu, "A New Analytical Calculation of the Mutual Inductance of the Coaxial Spiral Rectangular *Coils*," in IEEE Transactions on Magnetics, vol. 50, no. 4, pp. 1-6, April 2014, Art no. 7026806, doi: 10.1109/TMAG.2013.2290972.
- [9] I. Galkin and O. Tetervenoks, "The study of microcontroller based embedded system for smart lighting applications," 2014 6th European Embedded Design in Education and Research Conference (EDERC), Milan, Italy, 2014, pp. 105-108, doi: 10.1109/EDERC.2014.6924368.
- [10] J. F. Patarroyo, G. Beauchamp and A. Santiago, "Design and implementation of a microcontroller based workstation with educational purposes for the control systems area," 2015 IEEE Frontiers in Education Conference (FIE), El Paso, TX, USA, 2015, pp. 1-8, doi: 10.1109/FIE.2015.7344260.
- [11] V. Vladinovskis, "Selection of microcontroller *board* and stepper motor driver for FDM 3D printing to reduce power consumption," 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, 2023, pp. 1-6, doi: 10.1109/RTUCON60080.2023.10413037.

- [12] N. P. Gireesh and Deepa, "Designing HMI using RX series RX63N microcontroller," 2017 2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), Bangalore, India, 2017, pp. 1049-1053, doi: 10.1109/RTEICT.2017.8256759.
- [13] R. Kalpana, G. Bhuvaneswari, B. Singh and P. S. Prakash, "Design and implementation of high frequency isolated AC-DC converter for switched mode power supplies," 2014 Eighteenth National Power Systems Conference (NPSC), Guwahati, India, 2014, pp. 1-6, doi: 10.1109/NPSC.2014.7103804.
- [14] K. Milanov, D. Gospodinova and M. Mintchev, "Study of an AC/DC Converter Powered by DC Voltage," 2022 14th Electrical Engineering Faculty Conference (Bulef), Varna, Bulgaria, 2022, pp. 1-4, doi: 10.1109/Bulef56479.2022.10020203.
- [15] R. Radzuan, M. A. A. Raop, M. K. M. Salleh, M. K. Hamzah and R. A. Zawawi, "The designs of low power AC-DC converter for power electronics system applications," 2012 International Symposium on Computer Applications and Industrial Electronics (ISCAIE), Kota Kinabalu, Malaysia, 2012, pp. 113-117, doi: 10.1109/ISCAIE.2012.6482080.
- [16] J. Qi, J. Du, S. M. Siniscalchi, X. Ma and C. -H. Lee, "On Mean Absolute Error for Deep Neural Network Based Vector-to-Vector Regression," in IEEE Signal Processing Letters, vol. 27, pp. 1485-1489, 2020, doi: 10.1109/LSP.2020.3016837.
- [17] A. S. Abdel-Khalik and S. Ahmed, "Performance Evaluation of a Five-Phase Modular *Winding* Induction Machine," in IEEE Transactions on Industrial Electronics, vol. 59, no. 6, pp. 2654-2669, June 2012, doi: 10.1109/TIE.2011.2163914.
- [18] A. Tekade, M. Andhare, M. Savalgi, V. Kumbhar, A. Borgave and S. Raut, "High Precision Stepper Motor and DC Motor Controller Implementation on FPGA," 2025 9th International Conference on Computing, Communication, Control and Automation (ICCCBEA), Pune, India, 2025, pp. 1-8, doi:

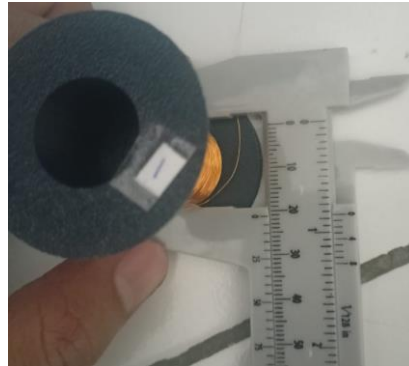
10.1109/ICCUBEA65967.2025.11284110. keywords: {Motor drives;Automation;VHDL;Velocity control;Computer architecture;Parallel processing;DC motors;Time factors;Field programmable gate arrays;Robots;FPGA;stepper motor control;DC motor control;high precision;microstepping;pulse-width modulation (PWM);VHDL;Verilog;robotics;automation;parallel processing},

LAMPIRAN

Lampiran 1 Data Spool ke-1



(R)



(P1)



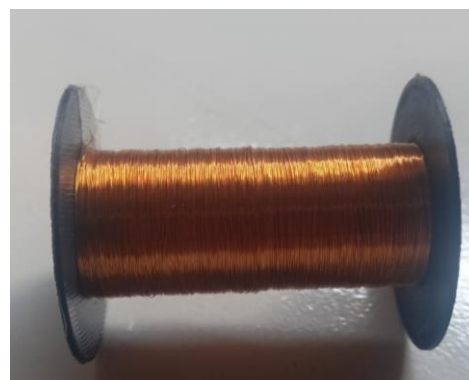
(P2)



(P3)



(P4)



(Hasil)