

DAFTAR PUSTAKA

- [1] G. E. Napitu, R. S. Wibowo, and O. Penangsang, "Pengembangan Software untuk Evaluasi Kecukupan Operasional Sistem Tenaga Listrik dengan Pembangkit Listrik Tenaga Terbarukan," *Jurnal Teknik ITS*, vol. 9, no. 2, pp. B65–B70, Jan. 2021, doi: 10.12962/j23373539.v9i2.53838.
- [2] A. D. Orizasatifa, "Simulasi Dan Analisa Sistem Automatic Voltage Regulator Tipe Arus Searah Dengan Kombinasi Pengendali," Skripsi, Universitas Andalas, Padang, 2023. Accessed: Sep. 03, 2024. [Online]. Available: <http://scholar.unand.ac.id/213786/>
- [3] A. Pangkung, M. Marhatang, C. N. Irlan, and U. Fasiha, "Analisis Pengaruh Penggunaan Avr (Automatic Voltage Regulator) Terhadap Sistem Eksitasi Generator Pada Btg 1 (Boiler Turbin Generator) Pt. Semen Tonasa," *Jurnal Teknik Mesin Sinergi*, vol. 16, no. 1, pp. 42–51, Jul. 2019, doi: 10.31963/sinergi.v16i1.1201.
- [4] H. D. Laksono and R. Ampuh Hadiguna, "Simulasi Pola Tingkah Laku Sistem Automatic Voltage Regulator (AVR) Tipe Arus Searah Dengan Metoda PIDTune Model Standard," *Jurnal Amplifier : Jurnal Ilmiah Bidang Teknik Elektro Dan Komputer*, vol. 14, no. 1, pp. 78–88, May 2023, doi: 10.33369/jamplifier.v14i1.32464.
- [5] G. Y. Puspitaputri, C. W. Priananda, and D. F. Syahbana, "Automatic Voltage Regulator (AVR) Generator dengan Mikrokontroler Menggunakan Metode Hill Climbing," *Jurnal Teknik ITS*, vol. 10, no. 2, pp. B171–B176, Dec. 2021, doi: 10.12962/j23373539.v10i2.67421.
- [6] P. M. Patil and D. S. K. Patil, "Automatic Voltage Regulator," in *International Conference on Emerging Trends in Information Technology and Engineering, ic-ETITE 2020*, Institute of Electrical and Electronics Engineers Inc., Feb. 2020. doi: 10.1109/ic-ETITE47903.2020.476.
- [7] E. Kose, "Optimal Control of AVR System with Tree Seed Algorithm-Based PID Controller," *IEEE Access*, vol. 8, no. 1, pp. 89457–89467, May 2020, doi: 10.1109/ACCESS.2020.2993628.
- [8] I. Cojuhari, "A PID Tuning Approach for Inertial Systems Performance Optimization," *Appl Math (Irvine)*, vol. 15, no. 01, pp. 96–107, 2024, doi: 10.4236/am.2024.151008.
- [9] A. N. Aliansyah, N. Nurhayati, S. N. Jaya, L. Pagiling, W. O. S. N. Alam, and M. N. A. Nur, "Analisis Tuning Parameter PID Menggunakan Algoritma Genetika pada Pengontrolan Kecepatan Motor DC," *Majalah Ilmiah Teknologi Elektro*, vol. 21, no. 2, pp. 287–296, Dec. 2022, doi: 10.24843/MITE.2022.v21i02.P17.

- [10] H. D. Laksono and R. 'Aisya, "Frequency Domain Analysis of Load Frequency Control Using PIDTune Model Standard," *Andalas Journal of Electrical and Electronic Engineering Technology*, vol. 3, no. 1, pp. 44–51, Jun. 2023, doi: 10.25077/ajeet.v3i1.38.
- [11] I. A. Ezenugu and C. S. Nwokonko, "Automatic Voltage Regulator Control System for Synchronous Generator," *Saudi Journal of Engineering and Technology*, vol. 9, no. 06, pp. 265–273, Jun. 2024, doi: 10.36348/sjet.2024.v09i06.004.
- [12] K. Hafizhan, "Perbandingan Analisa Jenis Konfigurasi Pada Sistem Kendali Automatic Voltage Regulator Tipe Arus Searah dengan Metode PIDTune Model Paralel," Skripsi, Universitas Andalas, Padang, 2022. Accessed: Sep. 03, 2024. [Online]. Available: <http://scholar.unand.ac.id/100560/>
- [13] H. D. Laksono, "Analisa Peralihan Tanggapan Tegangan Sistem Automatic Voltage Regulator (AVR) Tipe Arus Searah Dengan Pengendali 2 Derjat Kebebasan," *Jurnal Amplifier : Jurnal Ilmiah Bidang Teknik Elektro Dan Komputer*, vol. 11, no. 1, pp. 1–7, Jul. 2021, doi: 10.33369/jamplifier.v11i1.15645.
- [14] H. D. Laksono and R. Ampuh Hadiguna, "Simulasi Pola Tingkah Laku Sistem Automatic Voltage Regulator (AVR) Tipe Arus Searah Dengan Metoda PIDTune Model Standard," *Jurnal Amplifier : Jurnal Ilmiah Bidang Teknik Elektro Dan Komputer*, vol. 14, no. 1, pp. 78–88, May 2023, doi: 10.33369/jamplifier.v14i1.32464.
- [15] P. Jati, Sunarno, and Sujarwata, "Simulasi kendali proportional integral derivative dan logika fuzzy pada sistem eksitasi automatic voltage regulator dengan simulink Matlab," *Physics Communication*, vol. 1, no. 1, pp. 93–98, 2017, [Online]. Available: <http://journal.unnes.ac.id/nju/index.php/pc>
- [16] H. Saadat, *Power System Analysis*. New York: McGraw Hill, 1999.
- [17] W. Y. Y. Zaw and M. Yangon, "Performance Analysis of Automatic Voltage Regulator in Power Generation System," *International Journal of Science and Engineering Applications*, vol. 08, no. 07, pp. 180–185, 2019, doi: 10.7753/IJSEA0807.1003.
- [18] K. Ogata, *Modern Control Engineering*, 5th ed. Prentice-Hall, 2010.
- [19] W. C. Schultz and V. C. Rideout, "Control system performance measures: Past, present, and future," *IRE Transactions on Automatic Control*, vol. AC-6, no. 1, pp. 22–35, Feb. 1961, doi: 10.1109/TAC.1961.6429306.
- [20] I. Maulana Ichsan and I. Rizianiza, "Perbandingan Uji Kestabilan Attitude Hexacopter Pada Metode Root Locus dan Routh Hurwitz," *Jurnal Mettek*, vol. 7, no. 2, pp. 57–65, Nov. 2021, doi: 10.24843/METTEK.2021.v07.i02.p01.
- [21] H. D. Laksono, *Perancangan dan Analisa Sistem Kendali dengan Berbagai Pengendali*. Padang: Andalas University Press, 2015.

- [22] R. Dwiki Adrian, “Perancangan Dan Analisis Pengendali Proportional Integral Derivative (PID) Pada Rotary Inverted Pendulum Dengan Dua Derajat Kebebasan,” Skripsi, Universitas Andalas, Padang, 2020. Accessed: Sep. 10, 2024. [Online]. Available: <http://scholar.unand.ac.id/56926/>
- [23] L. Wang, “Basics of PID Control,” in *PID Control System Design and Automatic Tuning using MATLAB/Simulink*, Wiley, 2020, pp. 1–30. doi: 10.1002/9781119469414.ch1.
- [24] H. D. Laksono, F. Retno Ningsih, and Fitrilina, “Simulasi dan Analisa Sistem Kendali Frekuensi Tenaga Listrik Dengan Pilot Servo dan Kombinasi Pengendali Model Standar (Model Hidraulik),” *Jurnal Amplifier : Jurnal Ilmiah Bidang Teknik Elektro Dan Komputer*, vol. 13, no. 1, pp. 1–9, May 2023, doi: 10.33369/jamplifier.v13i1.27591.
- [25] V. Salamena, “Analisis Penentuan Konstanta Pengendali PID Menggunakan Garis Singgung Metode Ziegler-Nichols I pada Kurva Tanggapan Keluaran Plant,” *Jurnal Simetrik*, vol. 10, no. 2, pp. 333–343, Jan. 2021, doi: 10.31959/js.v10i2.441.
- [26] N. Soedjarwanto and S. A. Aulia, “Analisis Perbandingan Rc Filter Dan Pi Filter Pada Sistem Controller Turbin Angin The Sky Dancer (Tsd) 500 Di Pt. Lentera Bumi Nusantara,” *Jurnal Informatika dan Teknik Elektro Terapan*, vol. 12, no. 2, pp. 1148–1153, Apr. 2024, doi: 10.23960/jitet.v12i2.4176.
- [27] H. D. Laksono, *PIDTune Model Paralel dan Model Standard*. Padang: LPPM - Universitas Andalas, 2021.

