

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," *J. Tek. ITS*, vol. 9, no. 2, pp. B65–B70, 2021.
- [2] D. O. Albi, "SIMULASI DAN ANALISIS SISTEM *AUTOMATIC VOLTAGE REGULATOR* TIPE ARUS SEARAH DENGAN KOMBINASI PENGENDALI." Universitas Andalas, 2023.
- [3] C. N. Irlan and U. Fasiha, "Analisis Pengaruh Penggunaan AVR (*Automatic Voltage Regulator*) Terhadap Sistem Eksitasi Generator BTG 1 PT. Semen Tonasa." Politeknik Negeri Ujung Pandang, 2015.
- [4] H. D. Laksono and R. A. Hadiguna, "Simulasi Pola Tingkah Laku Sistem *Automatic Voltage Regulator* (AVR) Tipe Arus Searah Dengan Metoda PIDTune Model Standard," *J. Amplif. J. Ilm. Bid. Tek. ELEKTRO DAN Komput.*, vol. 14, no. 1, pp. 78–88, 2024.
- [5] G. Y. Puspitaputri, C. W. Priananda, and D. F. Syahbana, "*Automatic Voltage Regulator* (AVR) Generator dengan Mikrokontroler Menggunakan Metode Hill Climbing," *J. Tek. ITS*, vol. 10, no. 2, pp. B171–B176, 2021.
- [6] P. M. Patil and S. K. Patil, "*Automatic Voltage Regulator*," in *2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE)*, 2020, pp. 1–5.
- [7] E. Köse, "Optimal control of AVR system with tree seed algorithm-based PID controller," *IEEE Access*, vol. 8, pp. 89457–89467, 2020.
- [8] I. Cojuhari, "A PID Tuning Approach for Inertial Systems Performance Optimization," *Appl. Math.*, vol. 15, no. 1, pp. 96–107, 2024.
- [9] W. O. S. N. Alam and M. N. A. Nur, "Analisis Tuning Parameter PID Menggunakan Algoritma Genetika pada Pengontrolan Kecepatan Motor DC".
- [10] H. D. Laksono and W. H. bin Mohd Saad, "Frequency Domain Analysis of Load Frequency Control Using PIDTune Model Standard," *Andalas J.*

Electr. Electron. Eng. Technol., vol. 3, no. 1, pp. 44–51, 2023.

- [11] A. Setiawan and P. Mudjirahardjo, “Automatic Voltage Regulator (AVR) Optimization Based on PID Using the Hybrid Grey Wolf Optimization-Genetic Algorithm (HGWGA) Method”.
- [12] F. Ahcene and H. Bentarzi, “Automatic Voltage Regulator design using particle swarm optimization technique,” in *2020 International Conference on Electrical Engineering (ICEE)*, 2020, pp. 1–6.
- [13] A. M. Prasetya, L. Sartika, and A. Ma’ruf, “PENGUNAAN PID PADA AUTOMATIC VOLTAGE REGULATOR (AVR) UNTUK KESTABILAN TEGANGAN TERMINAL GENERATOR SINKRON 3 FASA,” *Elektr. Borneo*, vol. 9, no. 2, 2023.
- [14] P. Jati, S. Sunarno, and S. Sujarwata, “Simulasi kendali proportional integral derivative dan logika fuzzy pada sistem eksitasi Automatic Voltage Regulator dengan simulink Matlab,” *Phys. Commun.*, vol. 1, no. 1, pp. 93–98, 2017.
- [15] H. Saadat, *Power system analysis*, vol. 2. McGraw-hill, 1999.
- [16] P. Kundur, “Power system stability,” *Power Syst. Stab. Control*, vol. 10, pp. 1–7, 2007.
- [17] K. Ogata, “Modern control engineering,” 2020.
- [18] W. Y. Y. Zaw and M. Yangon, “Performance Analysis of Automatic Voltage Regulator in power generation system,” *Int. J. Sci. Eng. Appl.*, vol. 8, no. 7, pp. 180–185, 2019.
- [19] P. W. Sauer and M. A. Pai, “Power System Dynamics and Stability, Prentice-Hall,” *New Jersey*, 1998.
- [20] K. Ogata, *Modern control engineering*. Prentice Hall India, 2009.
- [21] W. C. Schultz and V. C. Rideout, “Control system performance measures: Past, present, and future,” *IRE Trans. Autom. Control*, no. 1, pp. 22–35, 1961.
- [22] I. M. Ichsan and I. Rizianiza, “Perbandingan Uji Kestabilan Attitude Hexacopter Pada Metode Root Locus dan Routh Hurwitz,” *J. METTEK Vol.*, vol. 7, no. 2, pp. 57–65, 2021.
- [23] V. Salamena, “Analisis Penentuan Konstanta Pengendali PID Menggunakan

Garis Singgung Metode Ziegler-Nichols I pada Kurva Tanggapan Keluaran Plant,” *J. Simetrik*, vol. 10, no. 2, pp. 333–343, 2020.

- [24] D. A. Ridho, “Perancangan dan Analisis Pengendali Proportional Integral Derrivative (PID) pada Rotary Inverted Pendulum dengan Dua Derajat Kebebasan.” Universitas Andalas, 2020.
- [25] N. S. Nise, *Control systems engineering*. John Wiley & Sons, 2020.
- [26] L. Wang, *PID control system design and automatic tuning using MATLAB/Simulink*. John Wiley & Sons, 2020.
- [27] H. D. Laksono and F. R. Ningsih, “Simulasi dan Analisis Sistem Kendali Frekuensi Tenaga Listrik dengan Pilot Servo dan Kombinasi Pengendali Model Standar (Model Hidraulik),” *J. Amplif. J. Ilm. Bid. Tek. ELEKTRO DAN Komput.*, vol. 13, no. 1, pp. 1–9, 2023.
- [28] R. H. Bishop, *Mechatronics: an introduction*. CRC Press, 2017.
- [29] I. A. Ezenugu and C. S. Nwokonko, “Automatic Voltage Regulator control system for synchronous generator,” *Saudi J. Eng. Technol.*, vol. 9, no. 06, pp. 265–273, 2024.
- [30] H. D. Laksono, *Dinamika Peralihan Kendali Sistem Frekuensi Tenaga Listrik Dengan PIDtune Model Paralel (Model: Hidraulik)*. LPPM–Universitas Andalas, 2022.

