

## DAFTAR PUSTAKA

- [1] B. B. Ghosh, B. K. Sarkar and R. Saha, "Real Time Performance Analysis of Different Combinations of Fuzzy–PID and Bias Controllers for a Two Degree of Freedom Electro Hydraulic Parallel Manipulator," *Pergamon*, vol. 34, no. Robotics and Computer-Integrated Manufacturing, pp. 62-69, 2015.
- [2] R. Sharma, P. Gaur and A. P. Mittal, "Performance analysis of two-degree of freedom fractional order PID controllers for robotic manipulator with payload," *ISA Transactions*, vol. 58, pp. 279-91, 2015.
- [3] M. R. B. Tarmizi, "Design And Modelling Of 6 Dof Revolute Robot Using Fuzzy PID Controller," Departement Electrical engineering, University Tun Hussein Onn, Malaysia, 2014.
- [4] M. M. Al Ashi, "Trajectory Tracking Control of A 2-DOF Robot Arm Using Neural Network," Electrical Engineering Departement, The Islamic University of Gaza, Gaza, 2014.
- [5] A. Biswas, A. Abraham and S. Dasgupta, "Design of Fractional-Order PID Controllers with an Improved Differential Evoution," *Elsevier*, vol. 22, no. Engineering Applications of Artificial Intelligence, pp. 343-350, 2009.
- [6] V. Badri and M. S. Tavazoei, "On Time-Constant Robust Tuning of Fractional Order [Proportional Derivative] Controllers," *IEEE/CAA*, no. JOURNAL OF AUTOMATICA SINICA.
- [7] D. Valerio and J. S. da Costa, "Tuning of fractional PID controllers with Ziegler–Nichols-type rules," *Elsevier*, vol. 86, no. Signal Processing, pp. 2771-2784, 2006.
- [8] Z. Bingul and O. Karahan, "Tuning of Fractional PID Controllers Using PSO Algorithm for Robot Trajectory Control," in *IEEE Xplore*, DOI: 10.1109/ICMECH.2011.5971254, 2011.
- [9] M. W. Spong, S. Hutchinson and M. Vidyasagar, *Robot Modeling and Control First Edition*, Wiley, 2005.



**Kendali Posisi Non-Linear 1-DOF Manipulator dengan Fractional Order Proportional Derivative Control (FOPD) menggunakan Metode Particle Swarm Optimization (PSO) untuk Optimisasi Nilai Parameter Kendali**

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[10] "Review of First and Second Order System Response," in *Advanced System Dynamics and Control*, MASSACHUSETTS INSTITUTE OF TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING.

[11] E. Adam and A. Rollings, *Fundamentals of Game Design*, California: Prentice Hall, 2006, p. 67.

[12] S. Tang and M. Hanneghan, "Game Content Model: An Ontology for Documenting Serious," Liverpool John Moores University, Liverpool, 2011.