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DESAIN TEKNIK KENDALI REPETITIVE CONTROL UNTUK APLIKASI 3 DOF HELICOPTER
DANIEL CAHYA SAPUTRA, Ir. Agus Arif M.T. ; Dr. Edi Kurniawan S.T., M.Eng.
Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

[1] W. Gao and Z. Fang, "Adaptive integral backstepping control for a 3-dof helicopter," in *2012 IEEE International Conference on Information and Automation*, 2012, pp. 190–195.

[2] D. Li, X. Zhu, W. Li, and S. Chen, "Experimental results on robust attitude control of a 3-dof helicopter under wind disturbances," in *2019 Chinese Control Conference (CCC)*, 2019, pp. 8224–8228.

[3] K. Karaman, Y. T. Bekaroğlu, M. T. Söylemez, K. Uçak, and G. . Günel, "Controlling 3-dof helicopter via fuzzy pid controller," in *2015 9th International Conference on Electrical and Electronics Engineering (ELECO)*, 2015, pp. 869–873.

[4] S. K. Choudhary, "Lqr based pid controller design for 3-dof helicopter system," vol. 8, pp. 1498–1503, 01 2014.

[5] Z. Yujia, M. Nounou, H. Nounou, and Y. Al Hamidi, "Model predictive control of a 3-dof helicopter system using successive linearization," *International Journal of Engineering, Science and Technology*, vol. 2, 01 2010.

[6] E. Kurniawan, *Robust repetitive control and applications*. Swinburne University of Technology, 2013.

[7] Y. Yu, G. Lu, and Y. Zhong, "Robust decentralized control for a 3-dof helicopter," in *Proceedings of the 31st Chinese Control Conference*, 2012, pp. 2708–2714.

[8] E. Kurniawan, S. Suryadi, and I. Affandi, "Discrete-time sliding mode controller for multivariable system of 3 dof laboratory helicopter," in *2019 International Conference on Computer, Control, Informatics and its Applications (IC3INA)*, 2019, pp. 151–155.

[9] H. Liu, G. Lu, and Y. Zhong, "Robust lqr attitude control of a 3-dof laboratory helicopter for aggressive maneuvers," *IEEE Transactions on Industrial Electronics*, vol. 60, no. 10, pp. 4627–4636, 2013.

[10] J. F. Kanaga and P. S. H. Jose, "Repetitive controller for a nonlinear liquid level system," in *2015 International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS)*. IEEE, 2015, pp. 1–5.

[11] E. Kurniawan, M. I. Afandi *et al.*, "Repetitive control system for tracking and rejection of multiple periodic signals," in *2017 International Conference on Robotics, Automation and Sciences (ICORAS)*, 2017, pp. 1–5.

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[12] L. Guo, H. Wang, C. Wang, and Z. Lin, "Optical path scanning control system based on repetitive control and pi control," in *2018 Eighth International Conference on Instrumentation Measurement, Computer, Communication and Control (IMCCC)*, 2018, pp. 1071–1074.

[13] J. Zhang, Y. H. Cheng, C. Yin, K. Chen, and L. B. Bai, "Grid-connected photovoltaic system using compound current control of the novel repetitive and pi," in *2015 IEEE International Conference on Applied Superconductivity and Electromagnetic Devices (ASEMD)*, 2015, pp. 563–564.

[14] J. Frederik, L. Kröger, G. Gülker, and J.-W. van Wingerden, "Data-driven repetitive control: Wind tunnel experiments under turbulent conditions," *Control Engineering Practice*, vol. 80, pp. 105–115, 2018.

[15] A. Mosuwan and W. Pora, "The design of a self improving pid controller with a repetitive-control plugin," in *2015 12th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON)*, 2015, pp. 1–4.

[16] T. Tezuka, T. Yamashita, T. Sato, Y. Abiko, T. Kanai, and M. Sawada, "Application of a new automatic gauge control system for the tandem cold mill," *IEEE Transactions on Industry Applications*, vol. 38, no. 2, pp. 553–558, 2002.

[17] P. Cui, Z. Liu, G. Zhang, H. Xu, and R. W. Longman, "A novel second order repetitive control that facilitates stability analysis and its application to magnetically suspended rotors," *IEEE Access*, vol. 7, pp. 149 857–149 866, 2019.

[18] E. H. Copur, C. T. Freeman, B. Chu, and D. S. Laila, "Repetitive control of electrical stimulation for tremor suppression," *IEEE Transactions on Control Systems Technology*, vol. 27, no. 2, pp. 540–552, 2019.

[19] V. H. Duenas, C. A. Cousin, A. Parikh, P. Freeborn, E. J. Fox, and W. E. Dixon, "Motorized and functional electrical stimulation induced cycling via switched repetitive learning control," *IEEE Transactions on Control Systems Technology*, vol. 27, no. 4, pp. 1468–1479, 2019.

[20] J. D. Álvarez, R. Costa-Castelló, and M. D. M. Castilla, "Repetitive control to improve users' thermal comfort and energy efficiency in buildings," *Energies*, vol. 11, no. 4, p. 976, 2018.

[21] X. He, D. Guo, and K. K. Leang, "Repetitive control design and implementation for periodic motion tracking in aerial robots," in *2017 American Control Conference (ACC)*. IEEE, 2017, pp. 5101–5108.

[22] G. Weiss, "Repetitive control systems: Old and new ideas," in *Systems and control in the twenty-first century*. Springer, 1997, pp. 389–404.

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[23] L. Cuiyan, Z. Dongchun, and Z. Xianyi, "Theory and applications of the repetitive control," in *SICE 2004 Annual Conference*, vol. 1. IEEE, 2004, pp. 27–34.

[24] R. Costa-Castelló, J. Nebot, and R. Grinó, "Demonstration of the internal model principle by digital repetitive control of an educational laboratory plant," *IEEE Transactions on Education*, vol. 48, no. 1, pp. 73–80, 2005.

[25] E. Kurniawan, N. Azura, N. Hadi, and A. Hartono, "Comparative analysis of discrete-time plug-in multi periods repetitive control using different internal models," in *2017 International Conference on Computer, Control, Informatics and its Applications (IC3INA)*, 2017, pp. 115–120.

[26] *3 DOF Helicopter Data Sheet*, The Quanser Consulting Inc., Ontario, Canada, 2019.

[27] R. Akmeliawati and S. M. Raafat, "Optimized state feedback regulation of 3dof helicopter system via extremum seeking," in *2013 9th Asian Control Conference (ASCC)*. IEEE, 2013, pp. 1–6.

[28] *3-DOF Helicopter Reference Manual*, The Quanser Consulting Inc., Ontario, Canada, 2006.

[29] *Laborotary Guide 3 DOF Helicopter Experiment for MATLAB/Simulink User*, The Quanser Consulting Inc., Ontario, Canada, 2012.

[30] F. Santoso, "Desain sistem kontrol dengan metode penempatan kutub (pole placement) pada motor dc servo," *Jurnal Teknik Elektro*, vol. 3, no. 1, 2003.

[31] Wikipedia contributors, "Triangle wave — Wikipedia, the free encyclopedia," 2021, [Online; accessed 25-January-2022]. [Online]. Available: https://en.wikipedia.org/w/index.php?title=Triangle_wave&oldid=1059580866