

DAFTAR PUSTAKA

- Kajita, S., Hirukawa, H., Harada, K. & Yokoi, K., 2014. *Introduction to Humanoid Robotics*. Berlin Heidelberg: Springer.
- Kim, S., Lee, S., & Kim, J. (2021). Design and kinematic analysis of a humanoid robot for educational use. *Journal of Mechanical Science and Technology*, 35(2), 687-696.
- Rincon, F., Muñoz, J. P., & Salazar, S. (2017). "Implementation of an LQR-based control strategy for humanoid robot gait generation". *IEEE Latin America Transactions*, 15(5), 893-899.
- Wang, Z., Zhang, W., & Feng, H. (2020). "Multi-objective LQR-based gait optimization for humanoid robot with multiple torso links". *Neurocomputing*, 389, 26-39.
- Zhang, X., Tian, Y., & Zhang, L. (2015). "Research on LQR-based Walking Control Algorithm for Humanoid Robot". *Procedia Computer Science*, 55, 625-632.
- Auzan, M., Candradewi, I., dan Dharmawan, A., 2017, Sistem Kendali Robot *Humanoid* Ketika Berjalan Menggunakan Konsep Pendulum Terbalik, Skripsi, Jurusan Elektronika dan Instrumentasi Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.
- Bingul, S. K. (2006). *Robot Kinematics: Forward and Inverse Kinematics*. doi:10.5772/5015
- Dharmawan, A., Habiba, C., & Auzan, M. (2019). *Walking Stability Control System on Humanoid When Turning Based on LQR Method*. *INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH*, 8(11). www.ijstr.org
- Rahadiyan, D., Putra, A.E., dan Dharmawan, A., 2019, Kendali Keseimbangan Berjalan Menurun Robot *Humanoid* di Bidang Miring Menggunakan LQR, Skripsi, Jurusan Elektronika dan Instrumentasi Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.
- Kajita, S., Hirukawa, H., Harada, K., & Yokoi, K. (2014). *Introduction to Humanoid Robotics*. Berlin Heidelberg: Springer.
- Kucuk, S. and Bingül, Z., 2004, *The Inverse Kinematics Solutions of Industrial Robot Manipulators*, *Proceedings of the IEEE International Conference on Mechatronics 2004*, 274–279.
- Fuadin, M. R., & Dharmawan, A. (2021). Sistem Kendali Keseimbangan Berjalan Menaiki Tangga pada Robot *Humanoid* Menggunakan Pendekatan Linear Inverted Pendulum Model dan *Zero Moment Point*.
- M. Akhtaruzzaman and A. A. Shafie, "Geometrical analysis on *BIOLOID* humanoid system standing on single leg," 2011 4th Int. Conf. *Mechatronics Integr. Eng. Ind. Soc. Dev. ICOM'11 - Conf. Proc.*, no. May, pp. 17–19, 2011.
- Ogata, K. (2010). *Modern Control Engineering*. Pearson. doi:10.1109/TAC.1972.1100013.

- Y. Lu, Z. Lu, Y. Yu, H. Zhao and Y. Zhang, "Development of Humanoid Robot and Biped Walking Based on Linear Inverted Pendulum Model," 2018 IEEE International Conference on Intelligence and Safety for Robotics (ISR), 2018, pp. 244-249, doi: 10.1109/IISR.2018.8535689.
- Riyanto, Adiprawita, W., Hindersah, H., & Machbub, C. (2018). Center of Mass based Walking Pattern Generator with Gravity Compensation for Walking Control on Bioloid Humanoid Robot. *2018 15th International Conference on Control, Automation, Robotics and Vision, ICARCV 2018*, 54–59. <https://doi.org/10.1109/ICARCV.2018.8580633>
- Wang, H., Qi, H., Xu, M., Tang, Y., Yao, J., Yan, X., & Li, M. (2015). Research on the Relationship between Classic Denavit-Hartenberg and Modified Denavit-Hartenberg. *Proceedings - 2014 7th International Symposium on Computational Intelligence and Design, ISCID 2014*, 2, 26–29. <https://doi.org/10.1109/ISCID.2014.56>
- S. -Y. Chiang, S. -C. Kuo, J. -B. Lin and C. -H. Chen, "Dynamic imitation of human motion for humanoid robot," 2017 IEEE SmartWorld, Ubiquitous Intelligence & Computing, Advanced & Trusted Computed, Scalable Computing & Communications, Cloud & Big Data Computing, Internet of People and Smart City Innovation (SmartWorld/SCALCOM/UIC/ATC/CBDCOM/IOP/SCI), San Francisco, CA, USA, 2017, pp. 1-4, doi: 10.1109/UIC-ATC.2017.8397437.
- Y. Zhang, L. Sun and Y. Zhang, "Research on Algorithm of Humanoid Robot Arm Control System Based on Fuzzy PID Control," 2022 International Conference on Artificial Intelligence and Autonomous Robot Systems (AIARS), Bristol, United Kingdom, 2022, pp. 337-341, doi: 10.1109/AIARS57204.2022.00082.