

## DAFTAR PUSTAKA

- Anggoro, B. (2013) ‘DESAIN PEMODELAN KINEMATIK DAN DINAMIK HUMANOID ROBOT’, *Thesis (Undergraduate)*, pp. 4–38.
- Asrofi, A., Komarudin, A. and Pracoyo, A. (2020) ‘Navigasi Robot Mobil 3wd Omni-wheeled dengan Metode Odometri’, *Jurnal Elektronika dan Otomasi Industri*, 1(1), p. 44. doi: 10.33795/elkolind.v1i1.33.
- Awaludin, M. F. K., Winarno, T. and Siradjuddin, I. (2021) ‘Motion Planning Robot dengan Kontrol Kinematik’, *Jurnal Elektronika dan Otomasi Industri*, 8(2), pp. 30–38. doi: 10.33795/elk.v8i2.273.
- Buchanan, R. *et al.* (2021) ‘Learning Inertial Odometry for Dynamic Legged Robot State Estimation’, *Proceedings of Machine Learning Research*, 164, pp. 1575–1584.
- Camurri, M. *et al.* (2020) ‘Pronto: A Multi-Sensor State Estimator for Legged Robots in Real-World Scenarios’, *Frontiers in Robotics and AI*, 7(68), pp. 1–18. doi: 10.3389/frobt.2020.00068.
- Dharmawan, A. B. and Lina, L. (2017) ‘Penerapan Metode Denavit-Hartenberg Pada Perhitungan Inverse Kinematics Gerakan Lengan Robot’, *Jurnal Muara Sains, Teknologi, Kedokteran dan Ilmu Kesehatan*, 1(1). doi: 10.24912/jmstkip.v1i1.441.
- Fauziah, V. (2022) ‘MOTION TRAJECTORY GENERATION BASED ON POLYNOMIAL METHOD FOR’, *Jurnal IlmiahTeknik elektro komputer dan Informatika*, 8(2).
- Fourmy, M. (2022) *State estimation and localization of legged robots: a tightly-coupled approach based on a-posteriori maximization Vincent*.
- Ha, I. *et al.* (2011) ‘Development of open humanoid platform DARwIn-OP’, *Proceedings of the SICE Annual Conference*, pp. 2178–2181.
- HAQ, N. Z. (2023) *PENDEKATAN PEMODELAN KINEMATIKA BALIK ROBOT MANIPULATOR MENGGUNAKAN METODE SPARSE IDENTIFICATION OF NONLINEAR DYNAMICS (SINDy)*.
- Hourdakis, E., Piperakis, S. and Trahanias, P. (2021) ‘RoboSLAM: Dense RGB-D SLAM for Humanoid Robots’, *IEEE International Conference on Intelligent Robots and Systems*, (September), pp. 2224–2231. doi: 10.1109/IROS51168.2021.9636044.
- Ii, R. L. W. (2012) ‘DARWIN-OP HUMANOID ROBOT KINEMATICS Robert’, *IDETC/CIE 2012*, pp. 1–10.
- Irsyad, M. (2020) *PEMBANGKITAN GERAKAN BERJALAN DAN MENENDANG PADA ROBOT SEPAK BOLA HUMANOID UNIVERSITAS AHMAD DAHLAN YOGYAKARTA*.

- Ivković, J. *et al.* (2016) ‘ODROID-XU4 as a desktop PC and microcontroller development boards alternative’, *Technics and Informatics in Education*, (January 2017), pp. 439–444. Available at:  
[http://www.ftn.kg.ac.rs/konferencije/tio2016/Radovi TIO 2016/EN/5\)  
Engineering Education/514\\_022\\_Ivkovic i sar\\_EN.pdf](http://www.ftn.kg.ac.rs/konferencije/tio2016/Radovi TIO 2016/EN/5) Engineering Education/514_022_Ivkovic i sar_EN.pdf).
- Kemendikbudristek (2023) *BUKU PEDOMAN KONTES ROBOT INDONESIA (KRI ) TAHUN 2023*.
- Kurniawan, A. H. and Rivai, M. (2018) ‘Sistem Stabilisasi Nampan Menggunakan IMU Sensor Dan Arduino Nano’, *Jurnal Teknik ITS*, 7(2). doi: 10.12962/j23373539.v7i2.31043.
- Li, X., Li, Y. and Cui, X. (2016) ‘Kinematic analysis and gait planning for a DARwIn-OP Humanoid Robot’, *2016 IEEE International Conference on Robotics and Biomimetics, ROBIO 2016*, pp. 1442–1447. doi: 10.1109/ROBIO.2016.7866530.
- Mizan, B. (2021) ‘Perancangan Sub Controller Pada Robot KRSBI Humanoid R-SCUAD’, *skripsi*, pp. 4–18.
- Nur Albab, A. and Rahmawati, E. (2019) ‘Rancang Bangun Sistem Navigasi Mobile Robot Berbasis Sensor Rotary Encoder Menggunakan Metode Odometri’, *Inovasi Fisika Indonesia*, 8(2), pp. 23–27.
- Nursyeha, M. A. *et al.* (2023) ‘Implementasi Sensor Inertial Measurement Unit untuk Sistem Odometri Kendaraan Otonom’, *SPECTA Journal of Technology*, 7(2), pp. 556–565. doi: 10.35718/specta.v7i2.784.
- P. H. Amrulloh, A. H. Alasiry, E. H. Binugroho, A. Wijayanto, N. F. S. and D. K. B. (2021) ‘Walking Trajectory Control for Humanoid Dancing Robot ERISA based on Field Guardrai’, *International Electronics Symposium (IES)*, pp. 606–611.
- Paulus, T. I. (2017) *Penerapan Kinematika Balik pada Prototype Modul Praktikum Robot Manipulator 4 DOF*.
- Piperakis, S. (2020) *Robust Nonlinear State Estimation for Humanoid Robots*.
- Prananda, J., Masroeri, A. A. and Ayukinanthi, V. N. (2021) ‘Design of Sea Level Monitoring System Using Accelerometer with IoT Based’, *International Journal of Marine Engineering Innovation and Research*, 6(3), pp. 164–174. doi: 10.12962/j25481479.v6i3.8820.
- Purwoto, B. H. (2020) ‘Pemodelan Robot Kinematik Manipulator menggunakan MATLAB’, *Emitor: Jurnal Teknik Elektro*, 20(2), pp. 141–146. doi: 10.23917/emitor.v20i02.11345.
- Putri, U. W. and Thamrin, T. (2019) ‘Perancangan Pergerakan Kaki Robot Humanoid Menggunakan Servo Dynamixel Berbasis OpenCM 9.04’, *Voteteknika (Vocational Teknik Elektronika dan Informatika)*, 7(3), p. 76. doi:

10.24036/voteteknika.v7i3.105185.

Risnumawan, A. *et al.* (2022) *Two-Steps Approach of Localization in Humanoid Robot Soccer Competition, Recent Trends in Mechatronics Towards Industry 4.0*. doi: 10.1007/978-981-33-4597-3\_77.

Rivas, D. *et al.* (2015) ‘BRACON: Control system for a robotic arm with 6 degrees of freedom for education systems’, *ICARA 2015 - Proceedings of the 2015 6th International Conference on Automation, Robotics and Applications*, pp. 358–363. doi: 10.1109/ICARA.2015.7081174.

Rizaldy, F. D., Siradjuddin, I. and Winarno, T. (2022) ‘Sistem Lokalisasi Robot Humanoid Dengan Monocular Camera dan IMU ( Inertial Measuring Unit )’, *Jurnal Elkolind*, 9(2), pp. 83–89.

Robla Gomez, S. *et al.* (2017) ‘Working Together: A Review on Safe Human-Robot Collaboration in Industrial Environments’, *IEEE Access*, 5, pp. 26754–26773. doi: 10.1109/ACCESS.2017.2773127.

Sari, W. P., Dewanto, R. S. and Pramadihanto, D. (2020) ‘Realisasi Dan Desain Dinamika Berjalan Naik Diatas Tangga Pada 33 Dof Humanoid Robot’, *Klik - Kumpulan Jurnal Ilmu Komputer*, 7(3), p. 241. doi: 10.20527/klik.v7i3.332.

Setiawan, P. H. (2016) *Analisis Inverse Kinematics Tersegmentasi Berbasis Geometris Pada Robot Humanoid Saat Walking Gait System for Humanoid Robot*.

Sodiya, E. O. *et al.* (2024) ‘AI and human-robot interaction : A review of recent advances and challenges’, *GSC Advanced Research and Reviews*, 18(02), pp. 321–330.

Wang, Z., Fang, B. and Shi, G. (2013) ‘Omni-directional Walking Gait and Path Planning for Biped Humanoid Robot’, *Information Tecnology Jurnal*, 12(6), pp. 1160–1167. doi: 10.3923/itj.2013.1160.1167.

Zhang, B. *et al.* (2023) ‘DynPL-SVO: A Robust Stereo Visual Odometry for Dynamic Scenes’, *IEEE Transactions on Instrumentation and Measurement*, pp. 1–9. Available at: <http://arxiv.org/abs/2205.08207>.