

DAFTAR PUSTAKA

- [1] *Pedoman Kontes Robot Indonesia (KRI) Pendidikan Tinggi Tahun 2024*.
- [2] B. You, Y. Fan, and D. Liu, "Fault-tolerant motion planning for a hexapod robot with single-leg failure using a foot force control method," *Int. J. Adv. Robot. Syst.*, vol. 19, no. 5, p. 172988062211210, Sep. 2022, doi: 10.1177/17298806221121070.
- [3] S. Muslimin and D. Istarti, "Inverse Kinematics Analysis for Motion Prediction of a Hexapod Robot," in *2018 International Conference on Applied Engineering (ICAE)*, Batam: IEEE, Oct. 2018, pp. 1–5. doi: 10.1109/INCAE.2018.8579402.
- [4] H. Suprihono and Mashoedah, "Development of Inverse Kinematics Learning Media Using Hexapod Robot for Robotics Course," *J. Phys. Conf. Ser.*, vol. 1737, no. 1, p. 012035, Jan. 2021, doi: 10.1088/1742-6596/1737/1/012035.
- [5] J. A. Lizarraga, J. A. Garnica, J. Ruiz-Leon, G. Munoz-Gomez, and A. Y. Alanis, "Advances in the Kinematics of Hexapod Robots: An Innovative Approach to Inverse Kinematics and Omnidirectional Movement," *Appl. Sci.*, vol. 14, no. 18, p. 8171, Sep. 2024, doi: 10.3390/app14188171.
- [6] H. Xia, X. Zhang, and H. Zhang, "A New Foot Trajectory Planning Method for Legged Robots and Its Application in Hexapod Robots," *Appl. Sci.*, vol. 11, no. 19, p. 9217, Oct. 2021, doi: 10.3390/app11199217.
- [7] J. Sun, J. Ren, Y. Jin, B. Wang, and D. Chen, "Hexapod robot kinematics modeling and tripod gait design based on the foot end trajectory," in *2017 IEEE International Conference on Robotics and Biomimetics (ROBIO)*, Macau: IEEE, Dec. 2017, pp. 2611–2616. doi: 10.1109/ROBIO.2017.8324813.
- [8] L. Fuček, Z. Kovačić, and S. Bogdan, "Analytically founded yaw control algorithm for walking on uneven terrain applied to a hexapod robot," *Int. J. Adv. Robot. Syst.*, vol. 16, no. 3, p. 1729881419857997, May 2019, doi: 10.1177/1729881419857997.

- [9] N. Namura and H. Nakao, "A Central Pattern Generator Network for Simple Control of Gait Transitions in Hexapod Robots based on Phase Reduction," Apr. 26, 2024, *arXiv*: arXiv:2404.17139. doi: 10.48550/arXiv.2404.17139.
- [10] A. Da Fonseca Braga, E. Barros Costa, L. Rocha Olivivi, and A. Silva Barbosa, "Development and Path Planning of a Low Cost Hexapod Mobile Robot," in *Anais do 14º Simpósio Brasileiro de Automação Inteligente*, Galoa, 2019. doi: 10.17648/sbai-2019-111371.
- [11] M. Luneckas *et al.*, "Hexapod Robot Gait Switching for Energy Consumption and Cost of Transport Management Using Heuristic Algorithms," *Appl. Sci.*, vol. 11, no. 3, p. 1339, Feb. 2021, doi: 10.3390/app11031339.
- [12] G. Wang, L. Ding, H. Gao, Z. Deng, Z. Liu, and H. Yu, "Minimizing the Energy Consumption for a Hexapod Robot Based on Optimal Force Distribution," *IEEE Access*, vol. 8, pp. 5393–5406, 2020, doi: 10.1109/ACCESS.2019.2962527.
- [13] M. Žák, "Design, Construction and Control of Hexapod Walking Robot".
- [14] E. H. Hasnaa and B. Mohammed, "Planning tripod gait of an hexapod robot," in *2017 14th International Multi-Conference on Systems, Signals & Devices (SSD)*, Marrakech: IEEE, Mar. 2017, pp. 163–168. doi: 10.1109/SSD.2017.8166964.
- [15] S. Arrigoni, M. Zangrandi, G. Bianchi, and F. Braghin, "Control of a Hexapod Robot Considering Terrain Interaction," *Robotics*, vol. 13, no. 10, p. 142, Sep. 2024, doi: 10.3390/robotics13100142.
- [16] R. C. M. Putra and I. S. Faradisa, "Perancangan Sistem Kontrol & Monitoring Berbasis IOT pada Irigasi Pertanian Bawang Merah Menggunakan Pembangkit Listrik Hybrid," vol. 8, 2024.
- [17] G. C. Jeronimo, P. E. B. Consoni, R. L. F. Gonçalves, W. T. Botelho, and M. D. G. B. Marietto, "Humanoid Soccer Player and Educational Robotic: Development an Architecture to Connect the Dynamixel AX-12A Servo Motor from ROBOTIS to the Raspberry Pi 3B," in *16th International Conference on Information Technology-New Generations (ITNG 2019)*, vol. 800, S. Latifi, Ed., in *Advances in Intelligent Systems and Computing*, vol. 800. , Cham: Springer International Publishing, 2019, pp. 283–289. doi: 10.1007/978-3-030-14070-0_39.

- [18] A. K. Lubis, A. Yanie, and D. Sawitri, "DESAIN DAN PERANCANGAN ALAT PANTAU ENERGI LISTRIK DI RUMAH JARAK JAUH BERBASIS IoT," vol. 01, no. 01, 2022.
- [19] A. S. Ismailov and Z. B. Jo, "Study of arduino microcontroller board," *Sci. Educ.*, vol. 3, no. 3, 2022.