

DAFTAR PUSTAKA

- [1] Jiang, H. (2024). Design of a New Glass Cleaning Robot. *Journal of Theory and Practice of Engineering Science*, 4(01), 28–33. [https://doi.org/10.53469/jtpes.2023.04\(01\).04](https://doi.org/10.53469/jtpes.2023.04(01).04)
- [2] Liu, W., Chen, J., Fei, Y., Hu, Z., Yu, C., & Gao, W. (2024). A Design Study on Commercial Cleaning Robots Based on Kano–QFD. *Sustainability (Switzerland)*, 16(20). <https://doi.org/10.3390/su16208935>
- [3] Muthugala, M. A. V. J., Vega-Heredia, M., Mohan, R. E., & Vishaal, S. R. (2020). Design and control of a wall cleaning robot with adhesion-awareness. *Symmetry*, 12(1). <https://doi.org/10.3390/SYM12010122>
- [4] Zhu, J., Zhu, Y., & Zhang, P. (2024). Review of advancements in wall climbing robot techniques. *Franklin Open*, 8, 100148. <https://doi.org/10.1016/j.fraope.2024.100148>
- [5] Vega-Heredia, M., Mohan, R. E., Wen, T. Y., 'Aisyah, J. S., Vengadesh, A., Ghanta, S., & Vinu, S. (2019). Design and modelling of a modular window cleaning robot. *Automation in Construction*, 103, 268–278. <https://doi.org/10.1016/j.autcon.2019.01.025>
- [6] 2017 25th Mediterranean Conference on Control and Automation (MED) : MED 2017 : July 3-6, 2017, University of Malta, Valletta Campus, Malta. (2017). IEEE.
- [7] Liang, P., Gao, X., Zhang, Q., Gao, R., Li, M., Xu, Y., & Zhu, W. (2021). Design and stability analysis of a wall-climbing robot using propulsive force of propeller. *Symmetry*, 13(1), 1–12. <https://doi.org/10.3390/sym13010037>
- [8] IEEE ICMA 2008 : proceedings of 2008 IEEE International Conference on Mechatronics and Automation : August 5-8, 2008, Takamatsu, Japan. (2008). IEEE.
- [9] Bozic, M., Jerbic, B., & Svaco, M. (2021). Development of a Mobile Wall-Climbing Robot with a Hybrid Adhesion System. *2021 44th International Convention on Information, Communication and Electronic Technology, MIPRO 2021 - Proceedings*, 1136–1142. <https://doi.org/10.23919/MIPRO52101.2021.9596717>

- [10] Jona, A., & Alkamachi, A. (2024). Design, Modeling and PID Control of a Cable-Driven Wall Climbing Robot Using Genetic Algorithms. *Journal Europeen Des Systemes Automatises*, 57(6), 1677–1685. <https://doi.org/10.18280/jesa.570615>
- [11] Shenxi Machinery Group. (n.d.). *Wall Cleaning Robot*. Retrieved May 21, 2025, from <https://www.shenxi.com/plist/wall-cleaning-robot>
- [12] International Code Council. (2015). *International Building Code 2015* (Chapter 9, Section 902.1). Retrieved May 21, 2025, from <https://codes.iccsafe.org/s/IEBC2015/chapter-9-alterations-level-3/IEBC2015-Ch09-Sec902>
- [13] Zhang, H., Wu, J., An, Y., Xie, P., & Cui, D. (2024). Research on Trajectory-Tracking Control System of Tracked Wall-Climbing Robots. *Sensors*, 24(1). <https://doi.org/10.3390/s24010144>
- [14] Nguyen, V. T., Nguyen, N. K., Nguyen, C. C., & Bui, N. T. (2021). A Study of Wall-Climbing Robot for Cleaning Silo Using Vacuum Principle. *International Journal of Mechanical Engineering and Robotics Research*, 10(7), 368–373. <https://doi.org/10.18178/ijmerr.10.7.368-373>
- [15] Zulkifli, R., Husain, A. R., Ibrahim, I. S., Mazni, M., & Fauzan, N. H. A. M. (2022). Analysis of the Hybrid Adhesion Mechanism of the Wall Climbing Robot. *Lecture Notes in Electrical Engineering*, 921 LNEE, 155–169. https://doi.org/10.1007/978-981-19-3923-5_14
- [16] Cao, K., Qin, G., Zhou, J., Xu, J., Xu, L., & Ji, A. (2024). Design and experimental research of a rolling-adsorption wall-climbing robot. *Industrial Robot*, 51(2), 258–268. <https://doi.org/10.1108/IR-08-2023-0194>
- [17] Rajendran, R., & Arockia Dhanraj, J. (2023). A comparative survey on weight & payload of wall climbing robot (WCR) using magnetic adhesive, suction adhesive and fusion type adhesive. *Materials Today: Proceedings*. <https://doi.org/10.1016/j.matpr.2023.04.002>