

DAFTAR PUSTAKA

- [1] G. Lawton, “Robotics industry to hit \$500 billion by 2024: Global market insights,” *IoT Agenda*, March 2021. [Online]. Available: <https://www.vantagemarketresearch.com/industry-report/industrial-robots-market-1794>
- [2] W. Yi, Q. Huang, L. Huang, and X. Yang, “An adaptive face recognition method based on pca and lbp,” *IEEE Access*, vol. 7, pp. 98 258–98 266, 2019.
- [3] M. N. Naim, N. A. Shairi, and S. S. Mohd, “Performance evaluation of eigenface and fisherface for face recognition,” in *2021 International Conference on Intelligent Systems Engineering (ICISE)*. IEEE, 2021, pp. 66–71.
- [4] T. T. Nguyen, D. H. Nguyen, T. H. Nguyen, M. Q. Tran, and T. T. Ngo, “Face recognition using deep convolutional neural network: A review,” in *2019 International Conference on Advanced Technologies for Communications (ATC)*. IEEE, 2019, pp. 263–268.
- [5] Y. Guo, L. Feng, J. Zhou, and S. Yan, “Hog: Efficient aesthetic and emotion prediction using hierarchical histograms of oriented gradients,” *IEEE Transactions on Affective Computing*, vol. 11, no. 2, pp. 193–203, 2020.
- [6] R. A. Milindawela, R. M. R. C. Ranatunga, and A. W. A. Wijesinghe, “Facial expression recognition using local binary pattern histogram and k-nearest neighbors,” in *2020 20th International Conference on Advances in ICT for Emerging Regions (ICTer)*. IEEE, 2020, pp. 295–300.
- [7] A. P. Singh, S. S. Manvi, P. Nimbal, and G. K. Shyam, “Face recognition system based on lbph algorithm,” *Journal of Engineering Science and Technology Review*, vol. 12, no. 4, pp. 135–140, 2019.
- [8] H.-J. Hsu and K.-T. Chen, “Face recognition on drones,” 05 2015, pp. 39–44.
- [9] T. Lee, C. Leong, K. Low, and M. Lin, “Visual detection and tracking for autonomous drone navigation using deep learning,” *Sensors*, vol. 18, no. 8, p. 2492, 2018.
- [10] R. El-Khozondar, H. El-Khozondar, and B. Salah, “Optimal lqr controller for a quadrotor uav system,” *International Journal of Advanced Computer Science and Applications*, vol. 12, no. 1, pp. 334–344, 2021.

- [11] M. R. Khan and B. J. Mohd, “Fuzzy logic control for a quadrotor unmanned aerial vehicle,” *Journal of Intelligent & Robotic Systems*, vol. 89, no. 3-4, pp. 599–609, 2018.
- [12] M. Z. Khan, S. Qureshi, J. Iqbal, and A. W. Malik, “Pid controller design for grid integration of wind farms using opposition-based learning,” *International Journal of Electrical Power & Energy Systems*, vol. 100, pp. 89–98, 2018.
- [13] G. Panadero and P. Martí, “Predictive control for wind turbines based on model predictive control with neural network models,” *IEEE Transactions on Industrial Electronics*, vol. 60, no. 12, pp. 5829–5838, 2013.
- [14] DJI, *DJI Tello Drone Specification*, DJI Technology Co. Ltd., 2023, product Manual. [Online]. Available: <https://www.dji.com/tello>
- [15] L. Wang and A. A. Siddique, “Facial recognition system using lbph face recognizer for anti-theft and surveillance application based on drone technology,” *International Journal of Advanced Computer Science and Applications*, vol. 9, no. 10, pp. 579–583, 2018.
- [16] B. A. Septyanto, S. A. Wibowo, and C. Setianingsih, “Implementation of face recognition based on deep neural network as control system on quadcopter,” in *2019 International Conference on Electrical Engineering and Informatics (ICEEI)*. IEEE, 2019, pp. 312–316.
- [17] S.-K. Kim and C. K. Ahn, “Auto-tuner-based controller for quadcopter attitude tracking applications,” *IEEE Transactions on Circuits and Systems II: Express Briefs*, vol. 66, no. 12, pp. 2012–2016, 2019.
- [18] S. Wu, R. Li, Y. Shi, and Q. Liu, “Vision-based target detection and tracking system for a quadcopter,” *IEEE Access*, vol. 9, pp. 62 043–62 054, 2021.
- [19] N. P. Kumar, N. P. lain], and N. P. lain], “Face recognition drone,” *Nama Jurnal*, vol. Volume Jurnal, no. Nomor Jurnal, p. Halaman Jurnal, 2018.
- [20] J. Morbale, P. Naregalkar, A. Singh, P. Dwivedi, and R. Mathur, “Quadcopter drone with face recognition,” 08 2022.
- [21] A. Goyal, R. Singh, and S. Sharma, “Face recognition on uav: Ai drone,” in *Proceedings of the International Conference on Artificial Intelligence and Machine Learning (ICAIML)*, vol. 1, 2022, pp. 123–135.

- [22] Y. M. Arif, M. Faisal, F. Kurniawan, and A. Misbahudin, "Implementation of ultrasonic sensor and fuzzy logic on safety and control drone system (quadcopter)," *Journal of Physics: Conference Series*, vol. 1462, no. 1, p. 012035, 2020.
- [23] E. H. Khadija, E. K. Abdeljalil, M. Mostafa, and A. Hassan, "Adapting parameters for flight control of a quadcopter using reference model and fuzzy logic," in *2015 Third World Conference on Complex Systems (WCCS)*, 2015, pp. 1–6.
- [24] D. Domingos, G. Camargo, and F. Gomide, "Autonomous fuzzy control and navigation," *Procedia Computer Science*, vol. 88, pp. 3–10, 2016.
- [25] V. P. Tran, F. Santoso, M. A. Garratt, and I. R. Petersen, "Fuzzy self-tuning of strictly negative-imaginary controllers for trajectory tracking of a quadcopter unmanned aerial vehicle," *IEEE Transactions on Industrial Electronics*, vol. 68, no. 6, pp. 5036–5045, 2021.
- [26] F. Santoso, M. A. Garratt, and S. G. Anavatti, "Hybrid pd-fuzzy and pd controllers for trajectory tracking of a quadrotor unmanned aerial vehicle: Autopilot designs and real-time flight tests," *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, vol. 51, no. 3, pp. 1817–1829, 2021.
- [27] D.-A. Pham and S.-H. Han, "Design of combined neural network and fuzzy logic controller for marine rescue drone trajectory-tracking," *Journal of Marine Science and Engineering*, vol. 10, no. 11, 2022. [Online]. Available: <https://www.mdpi.com/2077-1312/10/11/1716>
- [28] A. S. K. Anjum, R. A. Sufian, Z. Abbas, and I. M. Qureshi, "Attitude control of quadcopter using adaptive neuro fuzzy control," *International Journal of Hybrid Information Technology*, vol. 9, pp. 139–150, 2016.
- [29] N. P. Rashid, N. P. Iain], and N. P. Iain], "Development of dynamic modeling and fuzzy logic system by classical and modern strategies for the control of quadcopter," *Nama Jurnal*, vol. Volume Jurnal, no. Nomor Jurnal, p. Halaman Jurnal, 2019.
- [30] M. A. Olivares-Mendez, P. Campoy, I. Mellado-Bataller, and L. Mejias, "See-and-avoid quadcopter using fuzzy control optimized by cross-entropy," in *2012 IEEE International Conference on Fuzzy Systems*, 2012, pp. 1–7.
- [31] J. Smith, "Quadcopter design and configuration," *Drone Technology Review*, vol. 7, no. 2, pp. 45–52, 2023. [Online]. Available: <https://www.dronetechreview.com/article/quadcopter-design-configuration>

- [32] R. Ranjan, A. Bansal, J. Zheng, H. Xu, J. Gleason, B. Lu, A. Nanduri, J.-C. Chen, C. D. Castillo, and R. Chellappa, "A fast and accurate system for face detection, identification, and verification," *IEEE Transactions on Biometrics, Behavior, and Identity Science*, vol. 1, no. 2, pp. 82–96, 2019.
- [33] F. Deebea, H. Memon, F. A. Dharejo, A. Ahmed, and A. Ghaffar, "Lbph-based enhanced real-time face recognition," *International Journal of Advanced Computer Science and Applications*, vol. 10, no. 5, 2019. [Online]. Available: <http://dx.doi.org/10.14569/IJACSA.2019.0100535>
- [34] L. Tang, H. Lu, and Z. Pang, "A distance weighted linear regression classifier based on optimized distance calculating approach for face recognition," *Multimedia Tools and Applications*, vol. 22, 2019.
- [35] Z. Omar, "Intelligent control of a ducted fan vtol uav with conventional control surfaces," 2010.
- [36] L. A. Zadeh, "Fuzzy sets," *Information and Control*, vol. 8, no. 3, pp. 338–353, 1965.
- [37] Suyanto, "Fuzzy logic," *Jurnal Teknik Industri*, vol. 9, no. 2, pp. 119–127, 2007.
- [38] Y.-S. Jun and H.-J. Lee, "Fuzzy controller design using heuristic rules based on a generalized fuzzy matrix," *IEEE Transactions on Fuzzy Systems*, vol. 1, no. 1, pp. 50–59, 1993.
- [39] DJI, "Dji website," <https://www.dji.com/>, 2023.
- [40] O. T. Cetinkaya, S. Sandal, E. Bostancı, M. S. Güzel, M. Osmanoğlu, and N. Kanwal, "A fuzzy rule based visual human tracking system for drones," in *2019 4th International Conference on Computer Science and Engineering (UBMK)*, 2019, pp. 1–6.
- [41] G. J. Klir and B. Yuan, Eds., *Fuzzy Sets, Fuzzy Logic, and Fuzzy Systems: Selected Papers by Lotfi A. Zadeh*. USA: World Scientific Publishing Co., Inc., 1996.
- [42] P. Viola and M. Jones, "Rapid object detection using a boosted cascade of simple features," in *Proceedings of the 2001 IEEE Computer Society Conference on Computer Vision and Pattern Recognition. CVPR 2001*, vol. 1, 2001, pp. I–I.
- [43] A. Saha, A. Kumar, and A. K. Sahu, "Face recognition drone," in *2018 3rd International Conference for Convergence in Technology (I2CT)*, 2018, pp. 1–5.

- [44] I. A. Mohammed and J.-M. Lee, "Face recognition using local binary pattern and extreme learning machine," in *2019 IEEE International Conference on Consumer Electronics-Taiwan (ICCE-TW)*. IEEE, 2019, pp. 1–2.
- [45] L. SumaS and S. Raga, "Real time face recognition of human faces by using lbph and viola jones algorithm," *International Journal of Scientific Research in Computer Science and Engineering*, 2018.
- [46] R. S. Gaurav Srivastava, "Facial recognition based workplace security system using lbph algorithm," *International Journal of Innovative Science and Research Technology*, 2022.
- [47] P. Kundur, *Power System Stability*, 2007, vol. 10.
- [48] T. Foken, *Springer Handbook of Atmospheric Measurements*. Springer, 2021.
- [49] P. Kundur and et al., "Definition and classification of power system stability ieee/cigre joint task force on stability terms and definitions," *IEEE Trans. Power Syst.*, vol. 19, no. 3, pp. 1387–1401, 2004.
- [50] C. Cecati, G. Mokryani, A. Piccolo, and P. Siano, "An overview on the smart grid concept," in *IECON Proc. (Industrial Electron. Conf.)*, 2010, pp. 3322–3327.
- [51] T. Powell, "Reflector assembly for a solar collector," Patent 2 015 904 470, 2015.
- [52] E. Australia. Cook islands renewable energy. [Online]. Available: <https://www.engineersaustralia.org.au/portal/news/cook-islands-renewable-energy>
- [53] S. Verity and J. Roorda, "Road management report: Road asset benchmarking project 2014," Sydney, Tech. Rep., 2015.
- [54] Z. Shen, "Colour differentiation in digital images," Ph.D. dissertation, Victoria University of Technology, 2003.
- [55] A. Srinivasan and S. Vasudevan, "Role of artificial intelligence in intelligent transportation system," in *2018 IEEE International Conference on Advanced Communication, Control and Computing Technologies (ICACCCT)*. IEEE, 2018, pp. 892–897.
- [56] P. N. Belhumeur, J. P. Hespanha, and D. J. Kriegman, "Eigenfaces vs. fisherfaces: recognition using class specific linear projection," *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 19, no. 7, pp. 711–720, 1997.



- [57] Y. LeCun, Y. Bengio, and G. Hinton, “Deep learning,” *Nature*, vol. 521, no. 7553, pp. 436–444, 2015.
- [58] N. Dalal and B. Triggs, “Histograms of oriented gradients for human detection,” in *2005 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR’05)*, vol. 1. IEEE, 2005, pp. 886–893.
- [59] T. Ahonen, A. Hadid, and M. Pietik”ainen, “Face recognition with local binary patterns,” in *European conference on computer vision*. Springer, 2006, pp. 469–481.