

## DAFTAR PUSTAKA

- [1] T H Warsito, “Perkembangan Drone Untuk Pemetaan Dan Pemanfaatannya Dalam Bidang Infrastruktur Permukiman,” *J. Inform. dan Tek. Elektro Terap.*, vol. 2, no. 1, pp. 51–55, 2021.
- [2] Y. Hidayat and S. Sumedang, “Implementasi uav sebagai alat pengintai di bidang militer,” *J. Tek. Elektro*, no. June, pp. 1–13, 2018.
- [3] Y. Amemiya *et al.*, “Therapeutic pheresis (author’s transl),” *Rinsho. Ketsueki.*, vol. 20, no. 9, pp. 1191–1197, 1979.
- [4] P. Corke, *Robotics , Vision. .*
- [5] A. Mughees and I. Ahmad, “Multi-Optimization of Novel Conditioned Adaptive Barrier Function Integral Terminal SMC for Trajectory Tracking of a Quadcopter System,” *IEEE Access*, vol. 11, no. August, pp. 88359–88377, 2023, doi: 10.1109/ACCESS.2023.3304760.
- [6] I. B. Setyawan, A. K. Huda, F. H. Nashrullah, I. D. Kurniawan, S. I. Frans, and J. Hendry, “Noise Removal in the IMU Sensor Using Exponential Moving Average with Parameter Selection in Remotely Operated Vehicle (ROV),” *Proc. - 2022 8th Int. Conf. Sci. Technol. ICST 2022*, vol. 1, pp. 1–5, 2022, doi: 10.1109/ICST56971.2022.10136259.
- [7] A. J. Abougarair, “Dynamics and Optimal Control of Quadcopter,” *2024 IEEE 4th Int. Maghreb Meet. Conf. Sci. Tech. Autom. Control Comput. Eng.*, no. May, pp. 136–141, 2024, doi: 10.1109/MI-STA61267.2024.10599742.
- [8] F. Ahmad, P. Kumar, A. Bhandari, and P. P. Patil, “Simulation of the Quadcopter Dynamics with LQR based Control,” *Mater. Today Proc.*, vol. 24, pp. 326–332, 2020, doi: 10.1016/j.matpr.2020.04.282.
- [9] E. Kuantama, I. Tarca, and R. Tarca, “Feedback Linearization LQR Control for Quadcopter Position Tracking,” *2018 5th Int. Conf. Control. Decis. Inf.*

- Technol. CoDIT* 2018, pp. 204–209, 2018, doi:  
10.1109/CoDIT.2018.8394911.
- [10] R. Afhami, R. Fesharakifard, and M. A. Khosravi, “Updating LQR Control for Full Dynamic of a Quadrotor,” *5th RSI Int. Conf. Robot. Mechatronics, IcRoM 2017*, no. IcRoM, pp. 279–285, 2017, doi: 10.1109/ICRoM.2017.8466151.
- [11] D. Gautam and C. Ha, “Control of a quadrotor using a smart self-tuning fuzzy PID controller,” *Int. J. Adv. Robot. Syst.*, vol. 10, pp. 1–9, 2013, doi: 10.5772/56911.
- [12] Mardlijah and Z. N. Alifah, “Control Design of Quadcopter using Linear Quadratic Gaussian (LQG),” *Proceeding Int. Conf. Comput. Eng. Netw. Intell. Multimedia, CENIM 2022*, pp. 192–196, 2022, doi: 10.1109/CENIM56801.2022.10037533.
- [13] F. Sabatino, “Quadrotor control : modeling , nonlinear control design , and simulation,” no. June, 2015.
- [14] K. Ogata, *Modern Control Engineering*. 2010.
- [15] G. E. Setyawan, “Linear Quadratic Regulator Controller ( LQR ) for AR . Drone ’ s Safe Landing,” pp. 228–233, 2019.
- [16] B. Friedland, *An Introduction to State-Space Methods*. 1986.
- [17] H. Jian, “Design of Angle Detection System Based on MPU6050,” vol. 73, no. Icemc, pp. 7–9, 2017, doi: 10.2991/icemc-17.2017.2.
- [18] I. R. Mcandrew, K. Witcher, I. R. Mcandrew, E. Navarro, and K. Witcher, “Propeller Design Requirements for Quadcopters Utilizing Variable Pitch Propellers Propeller Design Requirements for Quadcopters Utilizing Variable Pitch Propellers,” vol. 6, 2018, doi: 10.18178/ijmmm.2018.6.1.346.