

## DAFTAR PUSTAKA

- [1] L. Prochowski, P. Szwajkowski, and M. Ziubiński, “Research Scenarios of Autonomous Vehicles, the Sensors and Measurement Systems Used in Experiments,” *Sensors*, vol. 22, no. 17, 2022, doi: 10.3390/s22176586.
- [2] T. Duy Son, A. Bhave, and H. Van Der Auweraer, “Simulation-Based Testing Framework for Autonomous Driving Development,” *Proceedings - 2019 IEEE International Conference on Mechatronics, ICM 2019*, vol. 1, pp. 576–583, 2019, doi: 10.1109/ICMECH.2019.8722847.
- [3] M. B. Alatise and G. P. Hancke, “Pose estimation of a mobile robot based on fusion of IMU data and vision data using an extended kalman filter,” *Sensors (Switzerland)*, vol. 17, no. 10, 2017, doi: 10.3390/s17102164.
- [4] S. Hosseinyalamdary, “Deep Kalman filter: Simultaneous multi-sensor integration and modelling; A GNSS/IMU case study,” *Sensors (Switzerland)*, vol. 18, no. 5, 2018, doi: 10.3390/s18051316.
- [5] R. V. Vitali, R. S. McGinnis, and N. C. Perkins, “Robust Error-State Kalman Filter for Estimating IMU Orientation,” *IEEE Sens J*, vol. 21, no. 3, pp. 3561–3569, 2021, doi: 10.1109/JSEN.2020.3026895.
- [6] N. Nagui, O. Attallah, and M. S. Z. Iman, “Improved GPS / IMU Loosely Coupled Integration Scheme Using Two Kalman Filter-based Cascaded Stages,” *Arab J Sci Eng*, vol. 46, no. 2, pp. 1345–1370, 2021, doi: 10.1007/s13369-020-05144-8.
- [7] H. Ahmed *et al.*, “Adaptive Filtering on GPS-Aided MEMS-IMU for Optimal Estimation of Ground Vehicle Trajectory,” pp. 1–18, doi: 10.3390/s19245357.
- [8] M. F. Ridho, A. Z. Abidin, and B. Septian, “Integrasi Odometri LiDAR dan Sensor IMU untuk Peningkatan Lokalisasi pada Robot Bergerak Indoor,” *Blend Sains Jurnal Teknik*, vol. 2, no. 4, pp. 287–297, Mar. 2024, doi: 10.56211/blendsains.v2i4.470.
- [9] T. Y. Hernanda and M. R. Rosa, “Desain Kendali Kecepatan dan Posisi dengan Kalman Filter pada Mobile Robot”.

- [10] A. Ma’arif1, R. D. Puriyanto2, and dan F. T. Hasan3, “Desain Kendali Kecepatan dan Posisi dengan Kalman Filter pada Mobile Robot,” 2020.
- [11] Y. Kebbati *et al.*, “Lateral control for autonomous wheeled vehicles,” 2024.
- [12] J. Jiang and A. Astolfi, “Lateral Control of an Autonomous Vehicle,” *IEEE Transactions on Intelligent Vehicles*, vol. 3, no. 2, pp. 228–237, 2018, doi: 10.1109/TIV.2018.2804173.
- [13] M. Ariyanto, J. T. Mesin, F. Teknik, U. Diponegoro, and S. Fusion, “Sensor Fusion Menggunakan Accelerometer Rate Gyro ( Arg ) Untuk,” vol. 17, no. 2, pp. 84–92, 2015.
- [14] R. Y. Adhitya, “Penerapan Extended Kalman Filter (EKF) Pada Sistem Monitoring Gelombang Laut Berbasis Sensor IMU GY955,” *Jurnal Elektronika dan Otomasi Industri*, vol. 10, no. 3, 2023, doi: 10.33795/elkolind.v10i3.3714.
- [15] S. Avisena, F. Kurniawan, and N. A. Purnami, “Penentuan Koreksi Sudut Attitude pada Quadrotor Menggunakan Algoritma Zero Acceleration Compensation,” *Avitec*, vol. 4, no. 1, p. 27, 2022, doi: 10.28989/avitec.v4i1.1109.
- [16] M. Rafiq, F. Kurniawan, N. A. Purnami, and J. T. Elektro, “Koreksi Sudut Attitude Dan Heading Quadrotor Dengan Perubahan Matriks Kovarian Derau Pengukuran Kalman Filter,” *Jurnal Sains, Teknologi dan Industri*, vol. 18, no. 2, pp. 251–260, 2021.
- [17] M. Kissai, B. Monsuez, X. Mouton, D. Martinez, and A. Tapus, “Adaptive robust vehicle motion control for future over-actuated vehicles,” *Machines*, vol. 7, no. 2, pp. 1–31, 2019, doi: 10.3390/machines7020026.
- [18] D. Feng, C. Wang, C. He, Y. Zhuang, and X. G. Xia, “Kalman-Filter-Based Integration of IMU and UWB for High-Accuracy Indoor Positioning and Navigation,” *IEEE Internet Things J*, vol. 7, no. 4, pp. 3133–3146, 2020, doi: 10.1109/JIOT.2020.2965115.
- [19] M. Khodarahmi and V. Maihami, “A Review on Kalman Filter Models,” *Archives of Computational Methods in Engineering*, vol. 30, no. 1, pp. 727–747, 2023, doi: 10.1007/s11831-022-09815-7.

- [20] S. Parulian, T. Pangaribuan, and A. Simamora, “Implementasi Kontrol Lup Tertutup Multi Point Pada Pengatur Temperatur Oven Panggangan Roti,” *Jurnal ELPOTECS*, vol. 4, no. 1, pp. 38–45, 2021, doi: 10.51622/elpotecs.v4i1.450.