

## DAFTAR PUSTAKA

- Abeygunawaradana, P., Gamage, N., De Alwis, L., Ashan, S., Nilanka, C., & Godamune, P. (2021). E-medice - Autonomous drone for healthcare system. *Proceedings - IEEE 2021 International Conference on Computing, Communication, and Intelligent Systems, ICCIS 2021*, 994–999. <https://doi.org/10.1109/ICCIS51004.2021.9397104>
- Abosuliman, S. S., & Almagrabi, A. O. (2021). Routing And Scheduling Of Intelligent Autonomous Vehicles In Industrial Logistics Systems. *Soft Computing*, 25(18), 11975–11988. <https://doi.org/10.1007/s00500-021-05633-4>
- Alyassi, R., Khonji, M., Karapetyan, A., Chau, S. C. K., Elbassioni, K., & Tseng, C. M. (2023). Autonomous Recharging and Flight Mission Planning for Battery-Operated Autonomous Drones. *IEEE Transactions on Automation Science and Engineering*, 20(2), 1034–1046. <https://doi.org/10.1109/TASE.2022.3175565>
- Amelia, M., Sholeha, I. I., Revangga, Y. R., & Wamiliana, W. (2024). The Comparison of Brute Force, Cheapest-Insertion, and Nearest-Neighbor Heuristics for Determining the Shortest Tour for Visiting Malls in Bandar Lampung. *EXPERT: Jurnal Manajemen Sistem Informasi dan Teknologi*, 14(1), 51. <https://doi.org/10.36448/expert.v14i1.3715>
- Ardupilot. (2024). *Mission Planner Overview — Mission Planner documentation*. <https://ardupilot.org/planner/docs/mission-planner-overview.html>
- Arora, S., & Ntantis, E. L. (2024). Customisation and payload integration of hexacopter for enhanced grocery delivery. *Multidisciplinary Science Journal*, 6(7). <https://doi.org/10.31893/multiscience.2024126>
- Barkund, S. H., Sharma, A., & Bhapkar, H. R. (2022). Survey of Shortest Path Algorithms. *International Journal of Renewable Energy Exchange*, 10(11), 46–57. <https://doi.org/10.58443/ijrex.10.11.2022.46-57>
- Belaid, F., Neumann, A., & Loeschel, A. (2024). *Smart Cities: Social and Environmental Challenges and Opportunities for Local Authorities*.
- Benarbia, T., & Kyamakya, K. (2022). A Literature Review Of Drone-Based Package Delivery Logistics Systems And Their Implementation Feasibility. Dalam *Sustainability (Switzerland)* (Vol. 14, Nomor 1). MDPI. <https://doi.org/10.3390/su14010360>
- Chen, K. W., Xie, M. R., Chen, Y. M., Chu, T. T., & Lin, Y. B. (2022). DroneTalk: An Internet-of-Things-Based Drone System for Last-Mile Drone Delivery. *IEEE Transactions on Intelligent Transportation Systems*, 23(9), 15204–15217. <https://doi.org/10.1109/TITS.2021.3138432>
- Cormen, T. H., Leiserson, C. E., Rivest, R. L., & Stein, C. (2022). *Introduction to Algorithms Fourth Edition*.

- Dennis, A., Wixom, B. H., & Roth, R. M. (2012). *Systems Analysis & Design* (5th ed.).
- Dronecode. (2024). *Pymavlink (Python-mavgen) -MAVLink Developer Guide*. [https://mavlink.io/en/mavgen\\_python/](https://mavlink.io/en/mavgen_python/)
- Elmokadem, T., & Savkin, A. V. (2021). Towards Fully Autonomous Uavs: A Survey. *Sensors*, *21*(18). <https://doi.org/10.3390/s21186223>
- Folasade Taiwo, J., Ijeoma Prisca, O., Okwudili Matthew, U., Onyebuchi, A., Chibueze Nwamouh, U., Iheruo Robert, U., & Okechukwu Matthew, A. (2022). IoT Drone Technology Integration in Medical Logistics Delivery. *Science Journal of Public Health*, *10*(3), 124. <https://doi.org/10.11648/j.sjph.20221003.14>
- Gavrilović, N., & Mishra, A. (2021). Software Architecture Of The Internet Of Things (Iot) For Smart City, Healthcare And Agriculture: Analysis And Improvement Directions. *Journal of Ambient Intelligence and Humanized Computing*, *12*(1), 1315–1336. <https://doi.org/10.1007/s12652-020-02197-3>
- Gunturu, R., Navya Durga, K., Harsha, S., & Fayaz Ahamed, S. (2020). *Development of Drone based Delivery System using Pixhawk Flight Controller*. <https://ssrn.com/abstract=3734801>
- Hannan, A., Hussain, F., Ali, N., Ehatisham-Ul-Haq, M., Ashraf, M. U., Alghamdi, A. M., & Alfakeeh, A. S. (2021). A decentralized hybrid computing consumer authentication framework for a reliable drone delivery as a service. *PLoS ONE*, *16*(4 April). <https://doi.org/10.1371/journal.pone.0250737>
- Hii, M. S. Y., Courtney, P., & Royall, P. G. (2019). An evaluation of the delivery of medicines using drones. *Drones*, *3*(3), 1–20. <https://doi.org/10.3390/drones3030052>
- Hong, F., Wu, G., Luo, Q., Liu, H., Fang, X., & Pedrycz, W. (2023). Logistics in the Sky: A Two-Phase Optimization Approach for the Drone Package Pickup and Delivery System. *IEEE Transactions on Intelligent Transportation Systems*, *24*(9), 9175–9190. <https://doi.org/10.1109/TITS.2023.3271430>
- José, F., Da, S., & Oliveira, A. (2021). *Graph-SLAM Approach for Indoor UAV Localization in Warehouse Logistics Applications*.
- Kalta, S., Bawa, G., Singh, G., Chauhan, H., & Bag, A. (2024). Developing a Prototype for Autonomous Drones. *Proceedings - 2024 3rd International Conference on Sentiment Analysis and Deep Learning, ICSADL 2024*, 702–708. <https://doi.org/10.1109/ICSADL61749.2024.00122>
- Kendall, K. E., & Kendall, J. E. (2013). *Systems Analysis and Design* (9th ed.).
- Koubaa, A., Allouch, A., Alajlan, M., Javed, Y., Belghith, A., & Khalgui, M. (2019). Micro Air Vehicle Link (MAVlink) in a Nutshell: A Survey. *IEEE Access*, *7*, 87658–87680. <https://doi.org/10.1109/ACCESS.2019.2924410>

- Lai, K. T., Chung, Y. T., Su, J. J., Lai, C. H., & Huang, Y. H. (2023). AI Wings: An AIoT Drone System for Commanding ArduPilot UAVs. *IEEE Systems Journal*, 17(2), 2213–2224. <https://doi.org/10.1109/JSYST.2022.3189011>
- Lappas, V., Zoumponos, G., Kostopoulos, V., Shin, H. Y., Tsourdos, A., Tantarini, M., Shmoko, D., Munoz, J., Amoratis, N., Maragkakis, A., MacHairas, T., & Trifas, A. (2020). EuroDRONE, A European UTM Testbed for U-Space. *2020 International Conference on Unmanned Aircraft Systems, ICUAS 2020*, 1766–1774. <https://doi.org/10.1109/ICUAS48674.2020.9214020>
- Lawhead, Joel. (2015). *Learning Geospatial Analysis with Python - Second Edition*. Packt Publishing, Limited.
- Lieret, M., Kogan, V., Döll, S., & Franke, J. (2019). *Automated in-house transportation of small load carriers with autonomous unmanned aerial vehicles*.
- Maheswari, R., Ganesan, R., & Venusamy, K. (2021). MeDrone- A Smart Drone to Distribute Drugs to Avoid Human Intervention and Social Distancing to Defeat COVID-19 Pandemic for Indian Hospital. *Journal of Physics: Conference Series*, 1964(6). <https://doi.org/10.1088/1742-6596/1964/6/062112>
- Miranda, V. R. F., Rezende, A. M. C., Rocha, T. L., Azpúrua, H., Pimenta, L. C. A., & Freitas, G. M. (2022). Autonomous Navigation System for a Delivery Drone. *Journal of Control, Automation and Electrical Systems*, 33(1), 141–155. <https://doi.org/10.1007/s40313-021-00828-4>
- Myers, G. J., Badgett, T., Thomas, T. M., & Sandler, C. (2004). *The Art of Software Testing Second Edition*.
- Pressman, R. S. (2010). *Software Engineering: A Practitioner's Approach*. [www.mhhe.com/pressman](http://www.mhhe.com/pressman).
- Purahong, B., Anuwongpinit, T., Juhong, A., Kanjanasurat, I., & Pintaviooj, C. (2022). Medical Drone Managing System for Automated External Defibrillator Delivery Service. *Drones*, 6(4). <https://doi.org/10.3390/drones6040093>
- Putri, D. F. A., Ir. Mohammad Masjkur, M.S., & Indahwati, I. (2023). Penerapan Bernoulli Naïve Bayes untuk Analisis Sentimen Pengguna Twitter Terhadap Layanan Online Food Delivery di Indonesia. *Xplore: Journal of Statistics*, 12(1), 50–62. <https://doi.org/10.29244/xplore.v12i1.1110>
- Quintanilla García, I., Vera Vélez, N., Alcaraz Martínez, P., Vidal Ull, J., & Fernández Gallo, B. (2021). A quickly deployed and UAS-based logistics network for delivery of critical medical goods during healthcare system stress periods: A real use case in Valencia (Spain). *Drones*, 5(1). <https://doi.org/10.3390/DRONES5010013>
- Raivi, A. M., Huda, S. M. A., Alam, M. M., & Moh, S. (2023). Drone Routing for Drone-Based Delivery Systems: A Review of Trajectory Planning, Charging,

- and Security. Dalam *Sensors* (Vol. 23, Nomor 3). MDPI. <https://doi.org/10.3390/s23031463>
- Rizvi, H. H., Mehdi, U.-L., Tahir, M., Khurram, M., & Khan, M. A. (2022). Medical Product Transportation UAV Drone. *Journal of Applied Engineering & Technology (JAET)*, 6(2), 75–90. <https://doi.org/10.55447/jaet.06.02.72>
- Saeed, F., Mehmood, A., Majeed, M. F., Maple, C., Saeed, K., Khattak, M. K., Wang, H., & Epiphaniou, G. (2021). Smart delivery and retrieval of swab collection kit for COVID-19 test using autonomous Unmanned Aerial Vehicles. *Physical Communication*, 48. <https://doi.org/10.1016/j.phycom.2021.101373>
- Saeed, S., Jhanjhi, N. Z., Naqvi, M., & Humayun, M. (2019). Analysis Of Software Development Methodologies. *International Journal of Computing and Digital Systems*, 8(5), 445–460. <https://doi.org/10.12785/ijcds/080502>
- Samuel Greengard. (2015). *The Internet of Things*. The MIT Press.
- Shelly, G. B., & Rosenblatt, H. J. (2012). *System Analysis and Design*.
- Srivastava, K., Pandey, P. C., & Sharma, J. K. (2020). An Approach For Route Optimization In Applications Of Precision Agriculture Using Uavs. *Drones*, 4(3), 1–24. <https://doi.org/10.3390/drones4030058>
- Stair, R. M., & Reynolds, G. W. (2010). *Principles of Information Systems: A Managerial Approach, Ninth Edition*. [www.cengage.com/coursetechnology](http://www.cengage.com/coursetechnology)
- Teorey, T., Lightstone, S., & Nadeau, T. (2006). *Database Modeling & Design Fourth Edition*.
- Tomasicchio, G., Cedrone, A., Fiorini, F., Esposito, L., Scardapane, G., Filipponi, F., Rinaldi, M., & Primatesta, S. (2023). *Resilient Drone Mission Management and Route Optimization in Drone Delivery Context*.
- Valacich, J., & Schneider, C. (2018). *Information Systems Today: Managing in the Digital World, Eight Edition*.
- Vyawahare, R., & Karad, V. (2021). *Key Technologies Driving Industry 4.0*. <https://doi.org/10.35291/2454-9150.2021.0568>