

DAFTAR PUSTAKA

- [1] Malik, A. *Rancang Bangun Pesawat Unmanned Aerial Vehicle (UAV)*. EPrints Tugas Akhir Teknik Mesin, Universitas Sultan Ageng Tirtayasa. 2017. No. 022.
- [2] Sulo, A.F.B., R.O. Bura, S. Aritonang. *Pemanfaatan UAV untuk Mendukung Pertahanan Udara IKN Nusantara Sebagai Centre of Gravity*. Journal Education and Development, Institut Pendidikan Tapanuli Selatan. 2022. Vol. 10, No. 3, pp 1-5.
- [3] Glade, D. *Unmanned Aerial Vehicles: Implications for Military Operations*. Occasional Paper, Maxwell Air University Press. 2000. No. 16.
- [4] Barnhart, R.K., S.B. Hottman, D.M. Marshall, E. Shapee, *Introduction to Unmanned Aircraft Systems*. 2012, New York, United States of America: CRC Press Taylor and Francis Group.
- [5] Pham, K.L., J. Leuchter, R. Bystricky, M. Andrie, N.N. Pham, V.T. Pham. *The Study of Electrical Energy Power Supply System for UAVs Based on the Energy Storage Technology*. Aerospace Journal, Multidisciplinary Digital Publishing Institute. 2022. Vol. 9, No. 500.
- [6] Meyer, J., F.D. Plessis, W. Clarke. *Design Considerations for Long Endurance Unmanned Aerial Vehicles*. Aerial Vehicles Journal, Intech Journal. 2009. No. 22, pp 443-496.
- [7] Allen, M.J. *Guidance and Control of an Autonomous Soaring UAV*. NASA Dryden Flight Research Center, Edwards, California. 2007. No. 214611.
- [8] Bencatel, R., J.B.D. Sousa, A.N. Girard. *Atmospheric Flow Field Models Applicable for Aircraft Endurance Extension*. Progress in Aerospace Science Journal, Science Direct. 2013. Vol. 61, pp 1-25.
- [9] Jong, C.P.L.D., B.D.W. Remes, S. Hwang, C.D. Wagter. *Never Landing Drone: Autonomous Soaring of a Unmanned Aerial Vehicle in Front of a Moving Obstacle*. International Journal of Micro Air Vehicles, SAGE Journals. 2021. Vol. 13, pp. 1-12.

- [10] Depenbusch, N.T., J.J. Bird, J.W. Langelaan. *The AutoSOAR Autonomous Soaring Aircraft Part 1: Autonomy Algorithms*. Journal of Field Robotics, Wiley Online Library. 2018. Vol. 35, Issue 4.
- [11] Schermann, E., H. Omran, S. Durand, R. Kiefer. *Stochastic Trajectory Optimization for Autonomous Soaring of UAV*. International Federation of Automatic Control Papers Online, Science Direct. 2019. Vol. 52, Issue 16, pp 562-567.
- [12] Lienkov, S., A. Myasishev, O. Banzak, L. Komarova, N. Lytvynenko, O. Miroshnichenko. *Construction of an Aircraft-Type UAV for Flight Along a Given Trajectory in the Automatic Mode*. International Journal of Emerging Trends in Engineering Research, World Academy of Research in Science and Engineering. 2020. Vol. 8, No. 9.
- [13] Marc. *How to Easily Show INAV Flight Paths in Google Earth*. 2022. Tersedia dari: https://www.youtube.com/watch?v=3uhJy9_XnKg. [URL dikunjungi pada 08 April 2023]
- [14] Andersson, K., I. Kammer, K.D. Jones. *Autonomous Soaring: Flight Test Results of a Thermal Centering Controller*. American Institute of Aeronautics and Astronautics Guidance, Research Gate. 2010.
- [15] Allen, M.J., V. Lin. *Guidance and Control of an Autonomous Soaring Vehicle with Flight Test Results*. American Institute of Aeronautics and Astronautics, Aerospace Research Central. 2007.
- [16] Ekka, P. *A Review Paper on Unmanned Aerial Vehicle (U.A.V.)*. Innovation in Micro-Electronics Signal Processing and Communication Technologies, International Journal of Engineering Research and Technology. 2017. Vol. 5, Issue 23.
- [17] FAA, *Glider Flying Handbook: Chapter 3 Aerodynamics of Flight*. 2022, United States Department of Transportation: Federal Aviation Administration.
- [18] FAA, *Glider Flying Handbook: Chapter 10 Soaring Techniques*. 2022, United States Department of Transportation: Federal Aviation Administration.

- [19] Saroinsong, H.S., V.C. Poekoel, P.D.K. Manembu. *Rancang Bangun Wahana Pesawat Tanpa Awak (Fixed Wing) Berbasis Ardupilot*. Jurnal Teknik Elektro dan Komputer, Universitas Sam Ratulangi Manado. 2018. Vol. 7, No. 1.
- [20] Benson, T. *Wing Geometry Definitions*. 2023. Tersedia dari: <https://www.grc.nasa.gov/www/k-12/VirtualAero/BottleRocket/airplane/geom.html>. [URL dikunjungi pada 05 April 2023]
- [21] STEM. *STEM on Site Summer Program: Glider Design Challenge*. University of Milwaukee School of Engineering. 2012. Pp 1-5.
- [22] Spsychalski, P. *INAV*. 2022. Tersedia dari: <https://github.com/iNavFlight/inav/wiki/>. [URL dikunjungi pada 06 April 2023]
- [23] Sigalos, A., M. Papoutsidakis, A. Chatzopoulos, D. Piromalis. *Design of a Flight Controller and Peripherals for a Quadcopter*. International Journal of Engineering Applied Sciences and Technology, Research Gate. 2019. Vol. 4, Issue 5, pp 463-470.
- [24] MATEKSYS. *Flight Controller F405-STD*. 2023. Tersedia dari: <http://www.mateksys.com/?portfolio=f405-std>. [URL dikunjungi pada 06 April 2023]
- [25] Iskandar, H.R., S. Basuki, M.R. Hidayat, A.D. Setiawan, D. Rukanda, S.U. Prini. *Wireless Telemetry for Real-time Monitoring of Photovoltaic Application System using Monopole Antenna 3DRobotics Radio 915 MHz*. International Conference on Telecommunication Systems, Services, and Applications, Reseach Gate. 2019. Vol, 70.
- [26] Motion RC. *Understanding Brushless RC Motor Specifications*. 2016. Tersedia dari: <https://www.motionrc.com/blogs/motion-rc-blog/understanding-brushless-rc-motor-specifications>. [URL dikunjungi pada 06 April 2023]
- [27] Memoriano, E. *Augmented Reality and Global Positioning System (GPS) for Indoor and Outdoor Navigation using Features from Accelerated Segment Test (FAST) Corner Detection Algorithm and A-Star Algorithm*.

- Journal of Advances in Information Systems and Technology, Universitas Negeri Semarang. 2020. Vol. 2, No. 2, pp 31.
- [28] Team Black Sheep. *TBS M8.2 GPS GLONASS*. 2023. Tersedia dari: https://www.team-blacksheep.com/products/prod:tbs_m82_gps. [URL dikunjungi pada 06 April 2023]
- [29] TEConnectivity. *MS4525DO*. 2019. Tersedia dari: <https://www.jakelectronics.com/pdf/datasheets/teconnectivitymeasurement-specialties-4525dods5ai001dp-datasheets-2141?product=teconnectivitymeasurementspecialties-4525dods5ai001dp-4688294>. [URL dikunjungi pada 07 April 2023]
- [30] Flora. *FPV Guide: What is FPV Systems?*. 2013. Tersedia dari: <https://www.gensace.de/news/what-is-fpv-systems/>. [URL dikunjungi pada 07 April 2023]
- [31] Hudson, J. *Tools for Working with Blackbox Flight Logs*. 2021. Tersedia dari: <https://github.com/iNavFlight/blackbox-tools>. [URL dikunjungi pada 07 April 2023]
- [32] Hudson, J. *KML Generator for Inav Blackbox, OpenTX, BulletGCSS logs*. 2023. Tersedia dari: <https://github.com/stronnag/bbl2kml>. [URL dikunjungi pada 07 April 2023]
- [33] Liu, T. *Evolutionary understanding of airfoil lift*. Advances in Aerodynamics Journal, Springer Journal. 2021. Vol. 3, Issue 37, pp. 1 – 24.
- [34] Zhao, J., J. Li, L. Zheng. *Energy-Harvesting Strategy Investigation for Glider Autonomous Soaring Using Reinforcement Learning*. Aerospace Journal, Multidisciplinary Digital Publishing Institute. 2023. Vol. 10, Issue 895.
- [35] Ellias, J. *Performance Testing of RNR's SBXC Using GPS*. 2023. Tersedia dari: <http://www.xcsoaring.com/techPicts/%20Ellias%20performance%20test.pdf>. [URL dikunjungi pada 03 Juni 2023]
- [36] Airfoil Tools. *S2048 (s2048-il)*. 2023. Tersedia dari: <http://airfoiltools.com/airfoil/details?airfoil=s2048-il>. [URL dikunjungi pada 28 Juni 2023]

- [37] Graylogix. *BLDC A2212/13T/1000 KV Brushless DC Motor*. 2023. Tersedia dari: <https://www.graylogix.in/product/bldc-a2212-13t-1000-kv-brushless-dc-motor>. [URL dikunjungi pada 15 September 2023]
- [38] Frasca, M. *Finding the Centre of Gravity*. 2009. Tersedia dari: <https://hemfc.org.au/documents.php>. [URL dikunjungi pada 2 November 2023]
- [39] Mayland, B. *ExpressLRS V3.3.0*. 2023. Tersedia dari: <https://github.com/ExpressLRS/ExpressLRS/releases>. [URL dikunjungi pada 07 November 2023]
- [40] Kustarev, V. *Cloverleaf Antenna Analysis and Online Calculator*. 2022. Tersedia dari: <https://3g-aerial.biz/en/cloverleaf-antenna>. [URL dikunjungi pada 10 November 2023]
- [41] Skaringa, M. *Double BiQuad Sector Antenna for 5-5.8 GHz / WiFi / WLAN*. 2014. Tersedia dari: <https://buildyourownantenna.blogspot.com/2014/07/double-biquad-sector-antenna-for-5-ghz-wifi.html>. [URL dikunjungi pada 10 November 2023]
- [42] Khalid, N., M.S. Shuvo, P. Mondol, N.H. Muntasir. Comparative Performance of Quadcopters and Fixed-wing Drones in Automation of Bangladesh Agriculture. *London Journal of Research in Science: Natural and Formal*, London Journal Press. 2022. Vol. 22, Issue 11, pp 1-8.