

DAFTAR PUSTAKA

- [1] A. A. Yaqin, I. Santoso and T. Prakoso, "Perancangan Antena Skew-Planar untuk Komunikasi Unmanned Aerial Vehicle Frekuensi 2.4 GHz," *Transient: Jurnal Ilmiah Teknik Elektro*, vol. 5, no. 4, pp. 473-481, December 2016.
- [2] A. Delphine, M. R. Hamid, N. Seman and M. Himdi, "Broadband cloverleaf Vivaldi antenna with beam tilt characteristics," *International Journal of RF and Microwave Computer-Aided Engineering*, 21 January 2020.
- [3] A. F. A. Carneiro, J. P. N. Torres, A. Baptista and M. J. M. Martins, "Smart Antenna for Application in UAVs," *Information*, vol. 9, no. 12, p. 328, 18 December 2018.
- [4] A. Setiawan, H. Wijanto and Y. Wahyu, "Design and Realization Cloverleaf Antenna and Helix Antenna for FPV (First Person View) Antenna in Quadcopter," *e-Proceeding of Engineering*, vol. 2, no. 1, p. 323, April 2015.
- [5] AgEagle Aerial Systems Inc., "Insights," AgEagle Aerial Systems Inc., 1 August 2018. [Online]. Available: <https://ageagle.com/insights>. [Accessed 25 November 2020].
- [6] American Radio Relay League, *The ARRL Antenna Book*, 21st ed., R. D. Straw, Ed., Newington, Connecticut: The ARRL, 2007.
- [7] C. A. Balanis, *Antenna Theory*, 4th ed., Hoboken, New Jersey: John Wiley & Sons, Inc., 2016.
- [8] E. M. Dobychnina, M. V. Snastin, E. N. Efimov and T. Y. Shevgunov, "Unmanned Aerial Vehicle Antenna Measurement Using Anechoic Chamber," *TEM Journal*, vol. 9, no. 4, p. 1480- 1487, 27 November 2020.
- [9] F. Catargiu, C. Vidan, R. Mihai and G. Alexandru, "Helical Antenna Design for Automated UAV Tracking System," *Journal of Military Technology*, vol. 1, no. 1, pp. 25-28, June 2018.
- [10] G. Nugroho and D. Dectaviansyah, "Design, manufacture and performance analysis of an automatic antenna tracker for an unmanned aerial vehicle (UAV)," *Journal of Mechatronics, Electrical Power, and Vehicular Technology*, vol. 9, no. 1, p. 32–40, 31 July 2018.
- [11] G. P. Robinson, *Antenna Synthesis Through Characteristic Modal Analysis for Small Unmanned Aerial System Applications*, Norman, Oklahoma: The University of Oklahoma, 2019.

- [12] G. Sotirov and S. Zabunov, "Circularly Polarized 2.4 GHz Antenna Suitable for Small UAVs," *Engineering and Science Education*, vol. 2, no. 1, 9 April 2019.
- [13] H. Fischer, "Lawmaker Seeks to Curb Civilian Drone Use," KNAU, 12 February 2014. [Online]. Available: <https://www.knau.org/post/lawmaker-seeks-curb-civilian-drone-use>. [Accessed 25 November 2020].
- [14] Horizon Technologies, "First Xtender UAV Photographs Released," Horizon Technologies, 26 November 2018. [Online]. Available: <https://horizontechnologies.eu/first-xtender-uav-photographs-released>. [Accessed 25 November 2020].
- [15] Ibrahim, I. Santoso and T. Prakoso, "Perancangan Antena Cloverleaf untuk Komunikasi Unmanned Aerial Vehicle (UAV) Frekuensi 2.4 GHz," *Transmisi*, vol. 18, no. 3, pp. 130-136, July 2016.
- [16] Indonesia, Menteri Komunikasi dan Informatika Republik;, "Peraturan Menteri Komunikasi dan Informatika Nomor 1 Tahun 2019 tanggal 24 April 2019," Kementerian Komunikasi dan Informatika Republik Indonesia, 8 May 2019. [Online]. Available: https://jdih.kominfo.go.id/produk_hukum/view/id/676/t/peraturan+menteri+komunikasi+dan+informatika+nomor+1+tahun+2019+tanggal+24+april+2019. [Accessed 25 September 2020].
- [17] Iswandi, A. R. Suryamanggala, D. Wicaksono and E. S. Rahayu, "Design and Comparative Study Among Antennas of GCS for Telemetry Communication System of UAV," *IJITEE (International Journal of Information Technology and Electrical Engineering)*, vol. 3, no. 4, pp. 99-105, December 2019.
- [18] J. F. Kuhling, M. Feenaghty and R. Dahle, "A Wideband Cascaded Skew Planar Wheel Antenna for RF Energy Harvesting," in *2018 IEEE Wireless Power Transfer Conference (WPTC)*, Montreal, QC, 2018.
- [19] J. Rexiramdhan and F. Thalib, "Design and Analysis of Circular Polarized Receiver Antenna as Video Stabilizer in UHF Television," *International Journal of Computer Applications*, vol. 175, no. 30, pp. 12-18, November 2020.
- [20] K. Kalinovska and P. Z. Petkov, "Omnidirectional Double Biquad Omni-Antenna for 2.4 GHz Wireless Link Application," in *International Scientific Conference on Information, Communication (ICEST)*, Ohrid, 2016.

- [21] L. I. Balderas, A. Reyna, M. A. Panduro, C. D. Rio and A. R. Gutiérrez, "Low-Profile Conformal UWB Antenna for UAV Applications," *IEEE Access*, vol. 7, pp. 127486-127494, 4 September 2019.
- [22] M. A. Jamlos, W. A. Mustafa, S. Z. S. Idrus and N. Fatin, "Dual-Band Frequency Antenna for Drone Application," in *The 2nd Joint International Conference on Emerging Computing Technology and Sports (JICETS)*, Bandung, 2019.
- [23] M. B. Perotoni, R. D. P. d. Araújo and C. A. F. Sartori, "Unmanned Aerial Vehicle Propagation Datalink Tool Based on a Hybrid Multiscale Modeling," *Journal of Aerospace Technology and Management (JATM)*, vol. 10, 2018.
- [24] M. Deng and D. Campbell-Wilson, "The Cloverleaf Antenna: A Compact Wide-bandwidth Dual-polarization Feed for CHIME," in *2014 16th International Symposium on Antenna Technology and Applied Electromagnetics (ANTEM)*, Victoria, BC, 2014.
- [25] M. Meyer, "AEROLUTION Systems GmbH," Aerolution, 1 January 2015. [Online]. Available: <http://www.eu-robotics-sme.org/aerolution-systems-gmbh>. [Accessed 25 November 2020].
- [26] M. N. K. Hardjo, Zulfi and Y. Wahyu, "Desain dan Implementasi Antena Cloverleaf untuk Keperluan Monitoring pada Quadcopter," *Open Library Telkom University*, 2017.
- [27] M. Nadi and M. K. Amirhosseini, "Multi-petal antenna with omnidirectional circular polarized radiation," *International Journal of RF and Microwave Computer-Aided Engineering*, 14 February 2018.
- [28] M. S. Safaron, H. A. Majid, B. A. F. Esmail, A. S. A. Ghafar, F. A. Saparudin, M. F. Ismail and M. A. Abdullah, "Directional cloverleaf antenna for unmanned aerial vehicle (UAV) application," *Indonesian Journal of Electrical Engineering and Computer Science*, vol. 14, no. 2, pp. 773-779, May 2019.
- [29] N. M. Boev, "Design and Implementation Antenna for Small UAV," in *2011 International Siberian Conference on Control and Communications (SIBCON)*, Krasnoyarsk, 2011.
- [30] Nurbani, Y. S. Rohmah and D. A. Nurmantris, "Realisasi Antena Mikrostrip Sistem Aerial Video pada Sisi Ground Segment di Frekuensi 5.8 GHz," *Jurnal Elektro Telekomunikasi Terapan*, vol. 4, no. 1, p. 433, 25 July 2017.

- [31] P. H. Smith, "'Cloverleaf' Antenna for F.M. Broadcasting," *Proceedings of the IRE*, vol. 35, no. 12, pp. 1556-1563, December 1947.
- [32] R. E. Putra, H. Wijanto and A. D. Prasetyo, "Perancangan dan Realisasi Antena Mikrostrip Array Polarisasi Sirkular pada Frekuensi 5.8 GHz dengan Catuan Proximity Coupled untuk Aplikasi First Person View Pesawat Tanpa Awak pada Sisi Ground Segment," *e-Proceeding of Engineering*, vol. 2, no. 2, p. 3120, Agustus 2015.
- [33] S. Rahmat, A. A. Muayyadi and A. Fahmi, "Perancangan dan Realisasi Antena Mikrostrip Biquad Ganda untuk Antena Penerima FPV," *e-Proceeding of Engineering*, vol. 3, no. 1, p. 437, April 2016.
- [34] S. Y. Jun, A. Shastri, B. Sanz-Izquierdo, D. Bird and A. McClelland, "Investigation of Antennas Integrated Into Disposable Unmanned Aerial Vehicles," *IEEE Transactions on Vehicular Technology*, vol. 68, no. 1, pp. 604-612, January 2019.
- [35] Sutrisno, *Elektronika Teori dan Penerapannya*, 1st ed., Bandung, Jawa Barat: ITB, 1986.
- [36] T. A. Poydence, *Structure-Independent Conformal Quasi-Isotropic Antennas for Small Unmanned Aircraft System Applications*, Norman, Oklahoma: The University of Oklahoma, 2017.
- [37] T. Prakoso, A. A. Yaqin, Ibrahim, I. Santoso, A. Triwiyatno and M. A. Riyadi, "Evaluation of skew-planar antenna for UAV communication at 2.4 GHz band," in *IAES International Conference on Electrical Engineering, Computer Science and Informatics*, Semarang, 2016.
- [38] W. Tan and Z. Shen, "A Dual-Band Antenna for Unmanned Aerial Vehicle Applications," in *2017 IEEE Radio and Antenna Days of the Indian Ocean (RADIO)*, Cape Town, 2017.
- [39] Y. B. A. Setio, H. Wijanto and A. D. Prasetyo, "Antena Mikrostrip Polarisasi Sirkular 5.8 GHz dengan Front-End Parasitik untuk Video Pemantauan Udara pada Ground Control Station UAV," *e-Proceeding of Engineering*, vol. 5, no. 1, p. 354, Maret 2018.
- [40] Y. Rafsyam, Jonifan and P. I. N, "Rancang Bangun Antena Helix 8 Lilitan untuk Sistem Autotracking sebagai Penjejak Unmanned Aerial Vehicle (UAV)," *Setrum*, vol. 6, no. 2, pp. 248-256, December 2017.
- [41] Z. Wei and Y. Junfeng, "Design of L-Shaped Open-Slot Antenna Used in UAV Airborne Communication System," *International Journal of Antennas and Propagation*, vol. 2018, no. Article ID 6846193, p. 13, 21 November 2018.

[42] E. B. Rosa, "The Self and Mutual Inductances of Linear Conductors," *Bulletin of the Bureau of Standards*, vol. 4, no. 2, pp. 301-344, 15 September 1907.