

Bibliography

- [1] G.-C. V. ., G. M. Mariusz Deja Mieczysław S. Siemiątkowski, "Opportunities and challenges for exploiting drones in agile manufacturing systems," *Procedia Manufacturing*, vol. Vol 51, no. Pages 527-534, 2020.
- [2] S. Hayat, E. Yanmaz and R. Muzaffar, "Survey on Unmanned Aerial Vehicle Networks for Civil Applications: A Communications Viewpoint," *IEEE*, vol. Vol 18, no. Issue 4, 2016.
- [3] S. Sekander, H. Tabassum and E. Hossain, "Multi-Tier Drone Architecture for 5G/B5G Cellular Networks: Challenges, Trends, and Prospects," *IEEE*, vol. vol 56, no. issue 3, 2018.
- [4] Y. Zeng, R. Zhang and T. J. Lim, "Wireless communications with unmanned aerial vehicles: opportunities and challenges," *IEEE*, vol. vol 54, no. issue 5, 2016.
- [5] M. Mozaffari, W. Saad, M. Bennis, Y.-H. Nam and M. Debbah, "A Tutorial on UAVs for Wireless Networks: Applications, Challenges, and Open Problems," *IEEE*, vol. Vol 21, no. issue 3, 2019.
- [6] F. S. P. Y. I. J. A. Fathurrahman, "Mathematical Modeling of LAPAN Surveillance UAV (LSU) – 02 for Automatic Control and Guidance System Design," in *AIP Conference Proceedings* , Bandung, 2020.
- [7] M. F. A. A. I. M. I. N. R. R. Rahman Amin, "Aspek Hukum Pengoperasian Pesawat Udara Tanpa Awak Menurut Hukum Positif di Indonesia," *Vols. Vol.16, No.1*, pp. pp 1-22, 2022.
- [8] C. R. Prayogi, "Urgensi Pengaturan Tentang Unmanned Aerial Vehicle (UAV) Menurut Perspektif Hukum Udara Internasional," 2017.
- [9] S. A. B. M. Z. R. J. M. S. A. a. A. L. Ghulam E. Mustafa Abro, "Comprehensive Review of UAV Detection, Security, and Communication Advancements to Prevent Threats," 2022.
- [10] I. G. R. Z. G. G. D. W. M. Yong Zeng, *UAV Communications for 5G and Beyond*, New York: Wiley-IEEE Press, 2021.

- [11] O. Recy, "Virtual Turbo Codes Sederhana Untuk Sistem Komunikasi Unmanned Aerial Vehicle (UAV)," *Universitas Telkom, S1 Teknik Telekomunikasi*, 2022.
- [12] "Peraturan Menteri Pertahanan Republik Indonesia Tentang Sistem Pesawat Terbang Tanpa Awak Untuk Tugas Pertahanan Dan Keamanan Negara".
- [13] T. K. H. Efison, in *Pengembangan Aplikasi Ground Control Station (GCS) Untuk Pengawasan dan Pengendalian UAV*, Lampung, Universitas Lampung, 2022, pp. pp 13-14.
- [14] "Peraturan Menteri Perhubungan Republik Indonesia Nomor PM 63 Tahun 2021 Tentang Peraturan Keselamatan Penerbangan Sipil Bagian 107 Tentang Sistem Pesawat Udara Kecil Tanpa Awak," [Online]. Available: <https://www.regulasip.id/book/18168/read>. [Accessed 16 July 2024].
- [15] T. I. Andri Kristanto, "Development Of Communication System for UAV Ground Control Station with ATC Based On Controller Pilot Data Link Communication," *Warta Penelitian Perhubungan*, 2023.
- [16] M. A. Fazriyati, "Perancangan Dan Realisasi Antena Dengan Beamwidth Lebar Untuk Satellite LAPAN A5," *Universitas Telkom, S1 Teknik Telekomunikasi*, 2022.
- [17] T. P. D. H. G. S. P. Ari Sugeng Budiyanta, "Engineering Development of Lapan Surveillance UAV-02 (LSU-02)*," 2013.
- [18] CGMS (Coordination Group for Meteorological Satellites) Agency, *Data Collection Services Handbook - First Edition*, 2020.
- [19] N. C. d. S. Iwan Nofi Yono Putro, "DESAIN LINK BUDGET DENGAN METODE FREE PATH LOSS MODEL UNTUK ANALISIS JARAK JANGKAU LSU 02 LD," *Seminar Nasional Iptek Penerbangan dan Antariksa XXI*, 2017.
- [20] J. B. Anderson, *Digital Transmission Engineering*, Canada, 2005.
- [21] T. T. Amphawan Julsereewong, "Safety Instrumented System Design in Consideration of Cost-Benefit Analysis : A Case Study of Tail Gas Treating Process," *Safety Instrumented System Design in Consideration of Cost-Benefit Analysis : A Case Study of Tail Gas Treating Process* , 2017.

- [22] Peraturan Menteri Komunikasi Dan Informatika Republik Indonesia Nomor 12 Tahun 2022 Tentang Table Alokasi Spektrum Frekuensi Radio Indonesia.
- [23] S. K. a. S. L. Akram Al-Hourani, "Optimal LAP Altitude for Maximum Coverage," *IEEE*, 2014.
- [24] Phase One , "Phase One," Phase One, 2023. [Online]. Available: <https://www.phaseone.com/solutions/geospatial-solutions/components/ixm-rs150f/>. [Accessed 2 July 2024].
- [25] International Telecommunication Union, World Radiocommunication Conference 2019 (WRC-19) Final Acts, Egypt, 2019.
- [26] B. P. Tice, ""Unmanned Aerial Vehicles – The Force Multiplier of the 1990s"," *Airpower Journal*, 2013.
- [27] E. P. Esahstiansyah, "Penggunaan Drone Sebagai Pesawat Udara Menurut Hukum Internasional Dan Hukum Nasional," *UNJA Journal of Legal Studies*, vol. vol.1 No.1, 2023.
- [28] Kementerian Luar Negeri Republik Indonesia, [Online]. Available: https://kemlu.go.id/portal/id/read/4255/halaman_list_lainnya/international-civil-aviation-organization-icao. [Accessed 24 July 2024].
- [29] B. D. M. B. P. Marwanto, "Analisis Pemilihan Pesawat Terbang Tanpa Awak Dalam Mendukung Operasi Keamanan Di Laut," *Journal of Industrial Engineering & Management Research*, vol. Vol. 4 No. 4 , 2023.
- [30] Menteri Perhubungan, Civil Aviation Safety Regulation (CASR) Part 91, 2017.
- [31] Peraturan Menteri Perhubungan Republik Indonesia Nomor PM 37 Tahun 2020.
- [32] Peraturan Pemerintah Republik Indonesia Nomor 4 Tahun 2018.
- [33] Menteri Perhubungan, Civil Aviation Safety Regulation (CASR) Part 61, 016.
- [34] Undang-Undang Republik Indonesia Nomor 1 TAHUN 2009 Tentang Penerbangan.
- [35] Undang-Undang Republik Indonesia Nomor 36 Tahun 1999 Tentang Telekomunikasi.

- [36] Menteri Komunikasi Dan Informatika, Peraturan Menteri Komunikasi Dan Informatika Republik Indonesia Nomor 13 Tahun 2018 Tentang Table Alokasi Spektrum Frekuensi Radio Indonesia.
- [37] G. A. W. Adumahendra. [Online]. Available: <https://www.rri.co.id/denpasar/daerah/839530/helikopter-jatuh-di-bali-akibat-layangan-pelaku-belum-teridentifikasi>. [Accessed 26 Juli 2024].