

DAFTAR PUSTAKA

- Adaramola, M. F., & Balogun, E. B. (2015). *A SYSTEMATIC EVALUATION OF LINK BUDGET FOR EFFECTIVE 900MHz GSM COMMUNICATION SERVICES*. 6(6), 28–34.
- Akhtaruzzaman, M., Bari, S. M. S., Hossain, S. A., & Rahman, M. M. (2020). Link Budget Analysis in Designing a Web-application Tool for Military X-Band Satellite Communication. *Mist International Journal of Science and Technology*, 8(June), 17–33. [https://doi.org/10.47981/j.mijst.08\(01\)2020.174\(17-33\)](https://doi.org/10.47981/j.mijst.08(01)2020.174(17-33))
- Al-Saman, A. M., Cheffena, M., Mohamed, M., Azmi, M. H., & Ai, Y. (2020). Statistical Analysis of Rain at Millimeter Waves in Tropical Area. *IEEE Access*, 8, 51044–51061. <https://doi.org/10.1109/ACCESS.2020.2979683>
- Aldrian, E. (2000). Pola Hujan Rata-Rata Bulanan Wilayah Indonesia; Tinjauan Hasil Kontur Data Penakar Dengan Resolusi ECHAM T-42. *Jurnal Sains Dan Teknologi Modifikasi Cuaca*, 1(2), 113–123.
- Basuki, O. A., P, E. B., & Sari, S. N. (2016). Analisis Link Budget dengan Perbedaan Sudut Azimuth dan Sudut Elevasi pada Proses Pointing Menggunakan Two Line Elements dan Perhitungan Matematis Pada Satelit Telkom-1 dan Telkom-2. *Jurnal EECCIS*, 10(1), 33–38.
- Bellais, R. (2013). Technology and the defense industry: real threats, bad habits, or new (market) opportunities? *Journal of Innovation Economics*, 12(2), 59. <https://doi.org/10.3917/jie.012.0059>
- Bendea, H., Boccoardo, P., Dequal, S., Giulio, F., & Marenchino, D. (n.d.). New technologies for mobile mapping. *Technology*, May 2014, 1–6.
- Bonter, S., & Dunty, D. (2004). *C-Band and Ku-Band UAV Line-Of-Sight Data Link EMC Analysis for Two Operational Scenarios*. JSC-PR-04-054. <https://info.publicintelligence.net/JSC-04-054.pdf>
- Bonter, S., Dunty, D., Greene, J., & Duff, W. (2004). *JOINT SPECTRUM CENTER ANNAPOLIS , MARYLAND 21402 PREDATOR UAV LINE-*

- OF-SIGHT DATALINK TERMINAL Prepared for. September.*
- Bonter, S., & Price, C. (2003). *Joint Spectrum Center Annapolis , Maryland 21402 Predator Uav C-Band Data Link Emc With 5-Ghz Cfr 47 Part 15 and Part 90 Devices. November.*
- Carneiro, A. F. A., Torres, J. P. N., Baptista, A., & Martins, M. J. M. (2018). Smart antenna for application in UAVs. *Information (Switzerland)*, 9(12). <https://doi.org/10.3390/info9120328>
- Chmielewski, M., Kukielka, M., Pieczonka, P., & Gutowski, T. (2020). Methods and analytical tools for assessing tactical situation in military operations using potential approach and sensor data fusion. *Procedia Manufacturing*, 44(2019), 559–566. <https://doi.org/10.1016/j.promfg.2020.02.255>
- Coskun Kurkcu, K. O. (2008). U.S. Unmanned Aerial Vehicles (UAV) and Network- Centric Warfare (NCW): Impacts on Combat Aviation Tactics from Gulf War I through 2007 Iraq. *Naval Postgraduate School Monterey, California*, 159.
- Council, T. F. (2016). *DEFINITION OF PROPAGATION ELEMENTS FOR SYSTEM DESIGN OF BROADBAND SATELLITE SYSTEMS IN KA AND Q / V BAND. 4000109354.*
- Çuhadar, İ., & Dursun, M. (2016). Unmanned Air Vehicle System's Data Links. *Journal of Automation and Control Engineering*, 4(3), 189–193. <https://doi.org/10.18178/joace.4.3.189-193>
- David, G. (2000). Unmanned Aerial Vehicles: Implications for Military Operations. *Occasional Paper, Center for Strategy and Technology*, 16, 1–27.
- Dr. Sandu Siyoto, SKM, M.Kes, M. Ali Sodik, M. (2015). *Buku Metode Penelitian Kualitatif dan Kuantitatif* (Issue April).
- Erdeniz, R. (2017). *Military Operations Planning and Methodology Thoughts on military problem-solving and Methodology.* www.kth.se
- Habib, A., & Moh, S. (2019). *applied sciences Wireless Channel Models for Over-the-Sea Communication : A Comparative Study.* 1–32.

<https://doi.org/10.3390/app9030443>

Hosseini, N., Jamal, H., Haque, J., Magesacher, T., & Matolak, D. W. (2019). UAV Command and Control, Navigation and Surveillance: A Review of Potential 5G and Satellite Systems. *IEEE Aerospace Conference Proceedings, 2019-March*(March), 1–10. <https://doi.org/10.1109/AERO.2019.8741719>

Inovesia 1. (2020). 1–48.

Kakar, J. A., Dietrich, C. B., & Beex, L. A. (2015). UAV Communications : Spectral Requirements , MAV and SUAV Channel Modeling , OFDM Waveform Parameters , Performance and Spectrum Management. *Virginia Polytechnic Institute and State University*.

Kementerian Pertahanan Republik Indonesia. (2015). Buku Putih Pertahanan Indonesia 2015 Kementerian Pertahanan Republik Indonesia. *Kementerian Pertahanan Republik Indonesia*.

Kestwal, M. C., Joshi, S., & Garia, L. S. (2014). *Prediction of Rain Attenuation and Impact of Rain in Wave Propagation at Microwave Frequency for Tropical Region (Uttarakhand , India)*. 2014.

Khawaja, W., Guvenc, I., Matolak, D. W., Fiebig, U. C., & Schneckenburger, N. (2019). A Survey of Air-to-Ground Propagation Channel Modeling for Unmanned Aerial Vehicles. *IEEE Communications Surveys and Tutorials*, 21(3), 2361–2391. <https://doi.org/10.1109/COMST.2019.2915069>

Khuwaja, A. A., Chen, Y., Zhao, N., Alouini, M. S., & Dobbins, P. (2018). A survey of channel modeling for uav communications. *IEEE Communications Surveys and Tutorials*, 20(4), 2804–2821. <https://doi.org/10.1109/COMST.2018.2856587>

Kriz, V., & Gabrlik, P. (2015). UranusLink-Communication protocol for UAV with small overhead and encryption ability. *IFAC-PapersOnLine*, 28(4), 474–479. <https://doi.org/10.1016/j.ifacol.2015.07.080>

Kymeta Corporation. (2019). *Link Budget Calculations for a Satellite Link With an Electronically Steerable Antenna Terminal*. June, 1–23.

- Ma'Sum, M. A., Arrofi, M. K., Jati, G., Arifin, F., Kurniawan, M. N., Mursanto, P., & Jatmiko, W. (2013). Simulation of intelligent Unmanned Aerial Vehicle (UAV) for military surveillance. *2013 International Conference on Advanced Computer Science and Information Systems, ICACSIS 2013*, 161–166. <https://doi.org/10.1109/ICACSIS.2013.6761569>
- Madany, Y. M., Elkamchouchi, H. M., & Ahmed, M. M. (2013). Modelling and simulation of robust navigation for unmanned air systems (UASs) based on integration of multiple sensors fusion architecture. *Proceedings - UKSim-AMSS 7th European Modelling Symposium on Computer Modelling and Simulation, EMS 2013*, 719–724. <https://doi.org/10.1109/EMS.2013.121>
- Maxama, X. B., & Markus, E. D. (2018). A Survey on Propagation Challenges in Wireless Communication Networks over Irregular Terrains. *2018 Open Innovations Conference (OI), November*, 79–86.
- Munn, E. B., Newell, D. J., Satterwhite, K. B., Williams, J. D., Advisor, F., & Parnell, G. S. (2008). *Support of Military Operations*. 237–242.
- Nuryanto, D. E. (2013). Karakteristik curah hujan abad 20 di Jakarta berdasarkan kejadian iklim global (20th century rainfall characteristic in Jakarta based on global climate events). *Jurnal Meteorologi Dan Geofisika*, 14(3), 139–147. <https://pdfs.semanticscholar.org/ed24/c7c10dae6e0320e5c808e7bd1d59b8b81795.pdf>
- Padmanabha, A., Isack, D. M., & Prasad, N. (2018). Design of Tactical Airborne Vehicle Communication Systems: An Approach. *Proceedings of the International Conference on Computational Techniques, Electronics and Mechanical Systems, CTEMS 2018*, 40–44. <https://doi.org/10.1109/CTEMS.2018.8769201>
- Roesdy Saad, Kun Fayakun, H. R. (2011). Perhitungan Link Budget Satelit Telkom-1. *Rekayasa Teknologi*, 3(2), 1–24.
- Ron, H. (2003). *Broadband: Cnr Versus Snr*. 605(March).
- Rubio, P., Fernandez, F., & Jimenez, F. (2016). Real time C band link

- budget model calculation. *Proceedings of the International Telemetry Conference*, 52, 325–334.
- Setiyanto, B., Hidayat, R., Mustika, I. W., & Sunarno, S. (2017). CNR and BER ranges for the DVB-T2 reception-success. *International Journal of Electrical and Computer Engineering*, 7(6), 3727–3735. <https://doi.org/10.11591/ijece.v7i6.pp3727-3734>
- Sipayung, S. (2015). Analisis pola hujan Indonesia berbasis luaran model sirkulasi global (GCM). *Jurnal Lapan*, 145–154.
- Skulimowski, A. M. J., & Pukocz, P. (2012). Enhancing creativity of strategic decision processes by technological roadmapping and foresight. *Proceedings - 2012 7th International Conference on Knowledge, Information and Creativity Support Systems, KICSS 2012*, 223–230. <https://doi.org/10.1109/KICSS.2012.42>
- Tajudin, N., Sarnin, S. S., & Ab, S. A. (2019). *Link Budget and Noise Calculator for Satellite Communication Link Budget and Noise Calculator for Satellite Communication*. <https://doi.org/10.1088/1742-6596/1152/1/012021>
- tukidi. (2010). Karakter Curah Hujan Di Indonesia. *Jurnal Geografi*, 7(2), 136–145. <https://doi.org/10.15294/jg.v7i2.84>
- UDEANU, G., DOBRESCU, A., & OLTEAN, M. (2016). Unmanned Aerial Vehicle in Military Operations. *Scientific Research and Education in the Air Force*, 18(1), 199–206. <https://doi.org/10.19062/2247-3173.2016.18.1.26>
- Vidal, I., Valera, F., Diaz, M. A., & Bagnulo, M. (2014). Design and practical deployment of a network-centric remotely piloted aircraft system. *IEEE Communications Magazine*, 52(10), 22–29. <https://doi.org/10.1109/MCOM.2014.6917397>
- Ya'acob, N., Johari, J., Zolkapli, M., Yusof, A. L., Sarnin, S. S., & Naim, N. F. (2018). Link budget calculator system for satellite communication. *2017 International Conference on Electrical, Electronics and System Engineering, ICEESE 2017, 2018-Janua*, 115–119.

<https://doi.org/10.1109/ICEESE.2017.8298397>

- Yan, C., Fu, L., Zhang, J., & Wang, J. (2019). A Comprehensive Survey on UAV Communication Channel Modeling. *IEEE Access*, 7, 107769–107792. <https://doi.org/10.1109/ACCESS.2019.2933173>
- Yue, L., Xiaohui, Q., Xiaodong, L., & Qunli, X. (2020). Deep reinforcement learning and its application in autonomous fitting optimization for attack areas of UCAVs. *Journal of Systems Engineering and Electronics*, 31(4), 734–742. <https://doi.org/10.23919/JSEE.2020.000048>
- Zaghloul, A. I., Weiss, S. J., & Coburn, W. K. (2010). Antenna developments for military applications. *Applied Computational Electromagnetics Society Journal*, 25(1), 41–53.
- Zhao, J., Gao, F., Ding, G., Zhang, T., Jia, W., & Nallanathan, A. (2018a). Integrating communications and control for UAV Systems: Opportunities and challenges. *IEEE Access*, 6(November), 67519–67527. <https://doi.org/10.1109/ACCESS.2018.2879637>
- Zhao, J., Gao, F., Ding, G., Zhang, T., Jia, W., & Nallanathan, A. (2018b). Integrating communications and control for UAV Systems: Opportunities and challenges. *IEEE Access*, 6, 67519–67527. <https://doi.org/10.1109/ACCESS.2018.2879637>
- Zolanvari, M., Jain, R., & Salman, T. (2019). Potential data link candidates for civilian unmanned aircraft systems: A survey. *ArXiv*, 22(1), 292–319.