

DAFTAR PUSTAKA

- [1] J. Harding, G. Powell, R. Yoon, J. Fikentscher, C. Doyle, D. Sade, M. Lukuc, J. Simons, and J. Wang, "Vehicle-to-vehicle communications: readiness of V2V technology for application," United States. National Highway Traffic Safety Administration, Report No.DOTHS812014,Aug.2014.[Online].Available:<https://rosap.nhtl.bts.gov/view/dot/27999>
- [2] M. Sun, Y. Ding, and G. Goussetis, "Adaptive Mode Selection and Power Allocation for D2D Underlay Cellular Networks with Dynamic Fading Channel," in 2020 International Conference on UK-China Emerging Technologies (UCET), 2020, pp. 1–4. doi: 10.1109/UCET51115.2020.9205467.
- [3] G. D. Swetha and G. R. Murthy, "Selective overlay mode operation for D2D communication in dense 5G cellular networks," in 2017 IEEE Symposium on Computers and Communications (ISCC), 2017, pp. 704–709. doi: 10.1109/ISCC.2017.8024610.
- [4] B. S. K. Sakti, A. Fahmi, and V. S. W. Prabowo, "Analisis Performansi Alokasi Sumber Daya Radio Berbasis Algoritma Greedy pada Sistem Komunikasi D2d Underlaying," in Prosiding Seminar Nasional Teknik Elektro UIN Sunan Gunung Djati Bandung, 2020, pp. 260–268.
- [5] B. A. Rahmadhani, N. M. Adriansyah, and V. S. W. Prabowo, "Analisis Kinerja Alokasi Sumber Daya Radio Menggunakan Teorema Graph Untuk Sistem Komunikasi Device-To-Device," eProceedings of Engineering, vol. 9, no. 6, 2023.
- [6] M. Y. Ramadhan, V. Sigit, and A. Fahmi, "Radio Resource Allocation For Device to Device Network Using Auction Algorithm," Jurnal Tiarsie, vol. 16, no. 2, pp. 53–58, 2019.
- [7] S. Pratiwi, A. Fahmi, and V. Sigit, "Alokasi Sumber Daya Radio pada Komunikasi Underlay Device-to-Device Menggunakan Algoritma Genetika," in Prosiding Seminar Nasional Riset Information Science (SENARIS), 2020, pp. 1–6.
- [8] H. Ali, F. Hadi, N. Ali, M. Haris, and others, "Comparison of optimized Dijkstra's and enhanced Particle Swarm Optimization Algorithm to find shortest path," International Journal of Advanced Studies in Computers, Science and Engineering, vol. 5, no. 11, p. 34, 2016.

- [9] V. S. W. W. Prabowo, L. Meylani, E. R. A. Majid, and A. A. Muayyadi, "Power control scheme using particle swarm optimization method in resource allocation process on D2D underlaying communication," *Jurnal Infotel*, vol. 14, no. 3, pp. 220–226, 2022.
- [10] W. Lv, Y. Zeng, T. Song, T. Xu, and H. Hu, "Stable and Proportional Fair User Pairing Algorithm for D2D-Relay Systems," in *2018 IEEE Global Communications Conference (GLOBECOM)*, 2018, pp. 1–6. doi: 10.1109/GLOCOM.2018.8647902.
- [11] M. T. Kawser, M. Saymon Fahad, S. Ahmed, S. Safwan Sajjad, and H. A. Rafi, "The Perspective of Vehicle-to-Everything (V2X) Communication towards 5G," 2019.
- [12] 3GPP, "Service requirements for V2X services (Release 17)," TS 22.185, 2022. [Online]. Available: https://www.3gpp.org/ftp/Specs/archive/22_series/22.185/
- [13] 3GPP, "Enhancement of 3GPP support for V2X scenarios (Release 17)," TS 22.186, 2022. [Online]. Available: https://www.3gpp.org/ftp/Specs/archive/22_series/22.186/
- [14] 3GPP, "Study on LTE support for V2X Services (Release 14)," TS 22.885, 2015. [Online]. Available: https://www.3gpp.org/ftp/Specs/archive/22_series/22.885/
- [15] 3GPP, "Study on enhancement of 3GPP support for 5G V2X services (Release 16)," TS22.886, 2018. [Online]. Available: https://www.3gpp.org/ftp/Specs/archive/22_series/22.886/
- [16] M. Baker, "Lte-advanced physical layer," in *Proc. IMT-Advanced Evaluation Workshop*, 3GPP, Beijing, 2009, pp. 1–48.
- [17] I. Keysight Technologies. Lte physical layer overview. [Online]. Available: [http://rfmw.em.keysight.com/wireless/helpfiles/89600B/WebHelp/Subsystems/lte/content/lte overview.htm](http://rfmw.em.keysight.com/wireless/helpfiles/89600B/WebHelp/Subsystems/lte/content/lte%20overview.htm)
- [18] F. I. Vera Desi Ramadianty, Dasril, "Analisis pengukuran performansi jaringan 4g lte telkomsel dalam event game mobile legends: Bang-bang di pontianak."
- [19] A. ABADI et al., "Manajemen interferensi dengan menggunakan power control untuk komunikasi device-to-device (d2d) dalam jaringan komunikasi seluler," 2017.
- [20] M. Ulfah and N. Jamal, "Perhitungan pathloss teknologi 4g," *JTT (Jurnal Teknologi Terpadu)*, vol. 4, no. 2, pp. 71–76, 2016.
- [21] M. Ulfah, "Perhitungan pathloss teknologi long term evolution (lte) berdasarkan parameter jarak e node-b terhadap mobile station di balikpapan," 2016.
- [22] S. O. Ajose and A. L. Imoize, "Propagation measurements and modelling at 1800 MHz in Lagos Nigeria," *International Journal of Wireless and Mobile Computing*, vol. 6, no. 2. Inderscience Publishers, p. 165, 2013. doi: 10.1504/ijwmc.2013.054042.

- [23] M. Giordani, T. Shimizu, A. Zanella, T. Higuchi, O. Altintas, and M. Zorzi, "Path Loss Models for V2V mmWave Communication: Performance Evaluation and Open Challenges," 2019 IEEE 2nd Connected and Automated Vehicles Symposium (CAVS). IEEE, Sep. 2019. doi: 10.1109/cavs.2019.8887792.
- [24] S. Zeadally, J. Guerrero, and J. Contreras, "A tutorial survey on vehicle-to-vehicle communications," *Telecommun Syst*, vol. 73, no. 3, pp. 469–489, Mar. 2020, doi: 10.1007/s11235-019-00639-8.
- [25] J. Mei, K. Zheng, L. Zhao, L. Lei, and X. Wang, "Joint radio resource allocation and control for vehicle platooning in lte-v2v network," *IEEE Trans Veh Technol*, vol. 67, no. 12, pp. 12218–12230, Dec. 2018, doi: 10.1109/TVT.2018.2874722.
- [26] P. Wang, H. Deng, J. Zhang, L. Wang, M. Zhang, and Y. Li, "Model Predictive Control for Connected Vehicle Platoon Under Switching Communication Topology," *IEEE Transactions on Intelligent Transportation Systems*, vol. 23, no. 7, pp. 7817–7830, Jul. 2022, doi: 10.1109/TITS.2021.3073012.
- [27] H.-S. Park and C.-H. Jun, "A simple and fast algorithm for K-medoids clustering," *Expert Systems with Applications*, vol. 36, no. 2. Elsevier BV, pp. 3336–3341, Mar. 2009. doi: 10.1016/j.eswa.2008.01.039.
- [28] W. Sheng and X. Liu, "A genetic k-medoids clustering algorithm," *Journal of Heuristics*, vol. 12, no. 6. Springer Science and Business Media LLC, pp. 447–466, Dec. 2006. doi: 10.1007/s10732-006-7284-z.
- [29] J. G. Proakis, *Digital Communications*, 4th ed. New York, NY, USA: McGraw-Hill, 2001.
- [30] A. Goldsmith, *Wireless Communications*. Cambridge, U.K.: Cambridge Univ. Press, 2005.
- [31] T. S. Rappaport, *Wireless Communications: Principles and Practice*, 2nd ed. Upper Saddle River, NJ, USA: Prentice Hall, 1996.
- [32] D. Tse and P. Viswanath, *Fundamentals of Wireless Communication*. Cambridge, U.K.: Cambridge Univ. Press, 2005.
- [33] R. Jain, D.-M. Chiu, and W. Hawe, "A Quantitative Measure of Fairness and Discrimination for Resource Allocation in Shared Computer Systems," DEC Research Report TR-301, 1984.
- [34] xD. Bertsekas and R. Gallager, *Data Networks*, 2nd ed. Upper Saddle River, NJ, USA: Prentice Hall, 1992.

- [35] Goldsmith, A. Wireless Communications. Cambridge, U.K.: Cambridge Univ. Press, 2005.
- [36] 3GPP. (2022) "Service requirements for V2X services (release 17)" TS 22.185. Available: https://www.3gpp.org/ftp/Specs/archive/22_series/22.185/
- [37] 3GPP. (2022) "Enhancement of 3GPP support for V2X scenarios (release 17)" TS 22.186. Available: https://www.3gpp.org/ftp/Specs/archive/22_series/22.186/