

## DAFTAR PUSTAKA

- [1] B. P. Statistik, *STATISTIK TELEKOMUNIKASI INDONESIA 2020*. Badan Pusat Statistik, 2021.
- [2] R. M. Alsharfa, S. L. Mohammed, S. K. Gharghan, I. Khan, and B. J. Choi, “Cellular-d2d resource allocation algorithm based on user fairness,” *Electronics*, vol. 9, no. 3, p. 386, 2020.
- [3] R. Zhang, Y. Li, C.-X. Wang, Y. Ruan, Y. Fu, and H. Zhang, “Energy-spectral efficiency trade-off in underlaying mobile d2d communications: An economic efficiency perspective,” *IEEE Transactions on Wireless Communications*, vol. 17, no. 7, pp. 4288–4301, 2018.
- [4] R. Gour and A. Tyagi, “Cluster oriented resource allocation and power optimisation for d2d network in cellular communications,” *IET Networks*, vol. 9, no. 4, pp. 170–179, 2020.
- [5] S. Solaiman, L. Nassef, and E. Fadel, “User clustering and optimized power allocation for d2d communications at mmwave underlaying mimo-noma cellular networks,” *IEEE Access*, vol. 9, pp. 57726–57742, 2021.
- [6] S. S. Moghaddam and M. Ghasemi, “Efficient clustering for multicast device-to-device communications,” in *2018 7th International Conference on Computer and Communication Engineering (ICCCE)*, 2018, pp. 228–233.
- [7] K. Ali, H. X. Nguyen, Q.-T. Vien, P. Shah, and Z. Chu, “Disaster management using d2d communication with power transfer and clustering techniques,” *IEEE Access*, vol. 6, pp. 14643–14654, 2018.
- [8] H. Rong, Z. Wang, H. Jiang, Z. Xiao, and F. Zeng, “Energy-aware clustering and routing in infrastructure failure areas with d2d communication,” *IEEE Internet of Things Journal*, vol. 6, no. 5, pp. 8645–8657, 2019.
- [9] 4th generatio (lte). [Online]. Available: <https://www.etsi.org/technologies/mobile/4g>

- [10] 5g. [Online]. Available: <https://www.etsi.org/technologies/mobile/5g>
- [11] N. Alam and S. Mehfuz, “Research challenges on device to device communication: A technology for next generation cellular network,” in *2018 International Conference on Computing, Power and Communication Technologies (GUCON)*, 2018, pp. 217–222.
- [12] M. N. Tehrani, M. Uysal, and H. Yanikomeroglu, “Device-to-device communication in 5g cellular networks: challenges, solutions, and future directions,” *IEEE Communications Magazine*, vol. 52, no. 5, pp. 86–92, 2014.
- [13] A. Ghosh, J. Zhang, J. G. Andrews, and R. Muhamed, *Fundamentals of LTE*. Pearson Education, 2010.
- [14] Lte; evolved universal terrestrial radio access (e-utra); user equipment (ue) radio transmission and reception (3gpp ts 36.101 version 10.8.0 release 10).
- [15] S. Pratiwi, A. Fahmi, and V. S. W. Prabowo, “Perfomance comparison of genetic and greedy algorithms in underlay device-to-device communication,” *EMITTER International Journal of Engineering Technology*, vol. 8, no. 2, pp. 459–476, 2020.
- [16] X. Ba, Y. Wang, J. Fan, and W. Xiang, “User-priority-based resource allocation for device-to-device communications in 5g underlaying cellular networks,” *IET Networks*, vol. 13, no. 8, pp. 1016–1024, 2019.