DAFTAR PUSTAKA

[1] A. Algedir and H. H. Refai, "A user association and energy efficiency analysis of d2d communication under hetnets," in *2018 14th International Wireless Communications & Mobile Computing Conference (IWCMC)*. IEEE, 2018, pp. 1184–1190.

[2] R. Rathi and N. Gupta, "Game theoretic and non-game theoretic resource allocation approaches for d2d communication," *Ain Shams Engineering Journal*, vol. 12, no. 2, pp. 2385–2393, 2021.

[3] A. Algedir and H. H. Refai, "Energy-efficient d2d communication under downlink hetnets," in *2019 IEEE Wireless Communications and Networking Conference (WCNC)*. IEEE, 2019, pp. 1–6.

[4] G. Apostolos, K. Konstantinos, N. Aikaterini, F. Foukalas, and T. Khattab, "Energy efficient spectrum allocation and mode selection for mission-critical d2d communications," in *2016 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS)*. IEEE, 2016, pp. 435–440.

[5] A. Khazali, S. Sobhi-Givi, H. Kalbkhani, and M. G. Shayesteh, "Energy-spectral efficient resource allocation and power control in heterogeneous networks with d2d communication," *Wireless Networks*, vol. 26, no. 1, pp. 253–267, 2020.

[6] Z. Kuang, G. Li, L. Zhang, H. Zhou, C. Li, and A. Liu, "Energy efficient mode selection, base station selection and resource allocation algorithm in d2d heterogeneous networks," *Peer-to-Peer Networking and Applications*, vol. 13, no. 5, pp. 1814–1829, 2020.

[7] L. AlWreikat, R. Chai, and O. M. Abu-Sharkh, "Energy-efficiency based resource allocation for d2d communication and cellular networks," in *2014 IEEE Fourth International Conference on Big Data and Cloud Computing*. IEEE, 2014, pp. 722–728.

[8] M. Zulhasnine, C. Huang, and A. Srinivasan, "Efficient resource allocation for device-to-device communication underlaying lte network," in *2010 IEEE 6th International conference on wireless and mobile computing, networking and communications*. IEEE, 2010, pp. 368–375.

[9] S. Hashima, B. M. ElHalawany, K. Hatano, K. Wu, and E. M. Mohamed, "Leveraging machine-learning for d2d communications in 5g/beyond 5g networks," *Electronics*, vol. 10, no. 2, p. 169, 2021.

[10] A. A. Ateya, A. Muthanna, A. Vybornova, and A. Koucheryavy, "Multi-level cluster based device-to-device (d2d) communication protocol for the base station failure situation," in *Internet of Things, Smart Spaces, and Next Generation Networks and Systems*. Springer, 2017, pp. 755–765.

[11] M. K. MURTADHA, "Adaptive d2d communication with integrated in-band and out-band spectrum by employing channel quality indicator," *Journal of Engineering Science and Technology*, vol. 17, no. 1, pp. 0491–0507, 2022.

[12] U. N. Kar and D. K. Sanyal, "An overview of device-to-device communication in cellular networks," *ICT express*, vol. 4, no. 4, pp. 203–208, 2018.

[13] F. Jameel, Z. Hamid, F. Jabeen, S. Zeadally, and M. A. Javed, "A survey of device-to-device communications: Research issues and challenges," *IEEE Communications Surveys & Tutorials*, vol. 20, no. 3, pp. 2133–2168, 2018.

[14] N. C. Syam, U. K. Usman, and A. Kurnia, "Perencanaan jaringan heterogen dengan relay node menggunakan range expansion di area kopo," *eProceedings of Engineering*, vol. 6, no. 2, 2019.

[15] A. Mukherjee, S. Bhattacherjee, S. Pal, and D. De, "Femtocell based green power consumption methods for mobile network," *Computer Networks*, vol. 57, no. 1, pp. 162–178, 2013.

[16] B. Khan, A. Mihovska, R. Prasad, V. K. Poulkov, F. J. Velez *et al.*, "Dynamic resource block allocation and isolation in network slicing," in *12th Symposium on COmmunications, NAvigation, SENsing and SErvices (CONASENSE) 2022 CONASENSE 2022*. River Publishers.

[17] M. Yaqub, "Analisis perbandingan kinerja scheduling throughput to average dan proportional fair pada radio access network long term evolution," Ph.D. dissertation, Institut Teknologi Telkom Purwokerto, 2017.

[18] A. Syifana, L. Meylani, and V. S. W. Prabowo, "Alokasi sumber daya radio pada komunikasi underlay device to device menggunakan algoritma two phased auction based fair and interference resource allocation," *eProceedings of Engineering*, vol. 8, no. 5, 2021.

[19] R. Levie, Ç. Yapar, G. Kutyniok, and G. Caire, "Pathloss prediction using deep learning with applications to cellular optimization and efficient d2d link scheduling," in *ICASSP 2020-2020 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. IEEE, 2020, pp. 8678–8682.

[20] U. K. Usman, "Propagasi gelombang radio pada teknologi seluler," *Konferensi Nasional Sistem Informasi (KNSI) 2018*, 2018.

[21] M. Ulfah and N. Djamal, "Perhitungan pathloss teknologi long term evolution (lte) berdasarkan parameter jarak e node-b terhadap mobile station di balikpapan," *Jurnal Nasional Teknik Elektro*, vol. 5, no. 3, pp. 376–383, 2016.

[22] Z. Liu, B. Liu, and C. W. Chen, "Joint power-rate-slot resource allocation in energy harvesting-powered wireless body area networks," *IEEE Transactions on Vehicular Technology*, vol. 67, no. 12, pp. 12 152–12 164, 2018.

[23] E. P. Laksana and E. J. A. Restu, "Optimasi jaringan lte menggunakan metode electrical tilt di karet kuningan," *Techno. Com*, vol. 19, no. 4, pp. 397–410, 2020.

[24] P. Yadita, A. Fahmi, and V. Sigit, "Pengelolaan sumber daya radio dan mitigasi interferensi pada komunikasi device to device yang underlaying pada jaringan 5g," *eProceedings of Engineering*, vol. 6, no. 2, 2019.

[25] S. Rani, A. Fahmi, and V. S. W. Prabowo, "Simulasi resource allocation menggunakan reverse iterative combinatorial auction pada skema underlay d2d communication," *eProceedings of Engineering*, vol. 7, no. 2, 2020.

[26] C. S. Tamba, A. Fahmi, and V. S. W. Prabowo, "Simulasi pengalokasian sumber daya pada komunikasi menggunakan algoritma heuristik pada skema underlay d2d communication," *eProceedings of Engineering*, vol. 7, no. 2, 2020.