

DAFTAR PUSTAKA

- [1] K. N. I. Amah and S. Larasati, "Proyeksi EXIT Chart untuk Memprioritaskan Data Komunikasi Manusia pada Jaringan Super Padat," *ELKOMIKA*, vol. 7, no. 3, pp. 508–520, 2019.
- [2] M. N. Hasan and K. Anwar, "Massive uncoordinated multiway relay networks with simultaneous detections," *2015 IEEE Int. Conf. Commun. Work. ICCW 2015*, pp. 2175–2180, 2015, doi: 10.1109/ICCW.2015.7247504.
- [3] K. Niramah, I. N. A. Ramatryana, and K. Anwar, "Coded Random Access Prioritizing Human over Machines for Future IoT Networks," *2018 2nd Int. Conf. Telemat. Futur. Gener. Networks, TAFGEN 2018*, pp. 19–24, 2018, doi: 10.1109/TAFGEN.2018.8580480.
- [4] K. Anwar, Juansyah, B. Syihabuddin, and N. M. Adriansyah, "Coded random access with simple header detection for finite length wireless IoT networks," *2017 8th Int. Work. Signal Des. Its Appl. Commun. IWSDA 2017*, pp. 94–98, 2017, doi: 10.1109/IWSDA.2017.8097063.
- [5] S. Larasati, I. N. A. Ramatryana, and K. Anwar, "High-rate Coded Random Access for Non-Orthogonal Multiple Access with Human Priority," *2018 2nd Int. Conf. Telemat. Futur. Gener. Networks, TAFGEN 2018*, pp. 25–30, 2018, doi: 10.1109/TAFGEN.2018.8580466.
- [6] A. A. Purwita and K. Anwar, "Massive Multiway Relay Networks Applying Coded Random Access," *IEEE Trans. Commun.*, vol. 64, no. 10, pp. 4134–4146, 2016, doi: 10.1109/TCOMM.2016.2600562.
- [7] K. Anwar and R. P. Astuti, "Finite-length analysis for wireless super-dense networks exploiting coded random access over Rayleigh fading channels," *APWiMob 2016 - IEEE Asia Pacific Conf. Wirel. Mob. 2016, Conf. Proc.*, vol. 1, pp. 7–13, 2017, doi: 10.1109/APWiMob.2016.7811441.
- [8] E. Dahlman, S. Parkvall, and J. Sköld, *4G, LTE-Advanced Pro and The Road to 5G: Third Edition*. 2016.
- [9] A. Hikmaturokhman, K. Ramli, and M. Suryanegara, "Spectrum Considerations for 5G in Indonesia," *Proceeding - 2018 Int. Conf. ICT Rural*

- Dev. Rural Dev. through ICT Concept, Des. Implic. IC-ICTRuDEv 2018*, pp. 23–28, 2018, doi: 10.1109/ICICTR.2018.8706874.
- [10] U. S. Zulpratita, “Kunci Teknologi 5G,” *J. Ilm. Teknol. Infomasi Terap.*, vol. 4, no. 2, pp. 166–173, 2018, doi: 10.33197/jitter.vol4.iss2.2018.163.
- [11] T. A. Nugraha and A. Hikmaturokhman, “Simulasi Penggunaan Frekuensi Milimeter Wave Untuk Akses Komunikasi Jaringan 5G Indoor,” *J. Infotel*, vol. 9, no. 1, p. 24, 2017, doi: 10.20895/infotel.v9i1.144.
- [12] Juansyah, “HEADER DETECTION TECHNIQUE FOR CODED RANDOM ACCESS IN SUPER-DENSE NETWORKS,” Universitas Telkom, 2017.
- [13] L. Zhang, C. Liu, J. Zhang, and F. Wu, “Generalized physical layer channel model for relay-based super dense networks,” *China Commun.*, vol. 12, no. 8, pp. 123–131, 2015, doi: 10.1109/CC.2015.7224695.
- [14] N. Verzun, M. Kolbanev, and V. Cehanovsky, “Model of Multiple Access in a Super-Dense Network of Smart Things,” *2020 9th Mediterr. Conf. Embed. Comput. MECO 2020*, pp. 8–11, 2020, doi: 10.1109/MECO49872.2020.9134364.
- [15] T. Ariyadi, “Mitigasi Keamanan Dynamic Host Control Protocol (DHCP) Untuk Mengurangi Serangan Pada Local Area Network (LAN),” *INOVTEK Polbeng - Seri Inform.*, vol. 3, no. 2, p. 147, 2018, doi: 10.35314/isi.v3i2.455.
- [16] B. Artono and R. G. Putra, “Penerapan Internet Of Things (IoT) Untuk Kontrol Lampu Menggunakan Arduino Berbasis Web,” *J. Teknol. Inf. dan Terap.*, vol. 5, no. 1, pp. 9–16, 2019, doi: 10.25047/jtit.v5i1.73.
- [17] F. Susanto, N. K. Prasiani, and P. Darmawan, “Implementasi Internet of Things Dalam Kehidupan Sehari-Hari,” *J. Imagine*, vol. 2, no. 1, pp. 35–40, 2022, doi: 10.35886/imagine.v2i1.329.
- [18] N. Kamila and K. Anwar, “On the design of LDPC-based Raptor codes for single carrier Internet of Things (SC-IoT),” *Proc. - Int. Conf. Signals Syst. ICSigSys 2017*, pp. 117–122, 2017, doi: 10.1109/ICSIGSYS.2017.7967024.
- [19] F. N. Hidayah and K. Anwar, “Low Density Generator Matrix (LDGM)-based Raptor codes for single carrier Internet of Things (SC-IoT),” *Proc. - Int. Conf. Signals Syst. ICSigSys 2017*, pp. 24–28, 2017, doi:

- 10.1109/ICSIGSYS.2017.7967049.
- [20] S. Faruque, *Radio Frequency Multiple Access Techniques Made Easy*. 2019.
- [21] A. Zainullah, I. Fitri, and N. T. Mooniarsih, “Analisa Call Succes Rate Pada Jaringan Code Division Multiple Access (Cdma),” *J. Tek. Elektro Univ. Tanjungpura*, vol. 1, no. 1, pp. 1–5, 2013.
- [22] K. F. Firdaus, S. A. Wibowo, and K. Anwar, “Multiple access technique for iot networks serving prioritized emergency applications,” *IEEE Veh. Technol. Conf.*, vol. 2019-April, no. 1, pp. 1–5, 2019, doi: 10.1109/VTCSpring.2019.8746519.
- [23] S. Chae, S. Cho, S. Kim, and M. Rim, “Coded random access with multiple coverage classes for massive machine type communication,” *2016 Int. Conf. Inf. Commun. Technol. Conver. ICTC 2016*, pp. 882–886, 2016, doi: 10.1109/ICTC.2016.7763321.
- [24] D. Ko, B. Hong, and W. Choi, “Probabilistic Caching Based on Maximum Distance Separable Code in a User-Centric Clustered Cache-Aided Wireless Network,” *IEEE Trans. Wirel. Commun.*, vol. 18, no. 3, pp. 1792–1804, 2019, doi: 10.1109/TWC.2019.2897298.
- [25] A. Patricia and T. Angela, “Matriks Maximum Distance Separable (MDS) ukuran $n \times k$,” vol. 11, no. 2, pp. 56–61, 2022.
- [26] G. P. Gordon, “Error Control Coding,” *IEEE Proc Natl Aerosp Electron Conf*, pp. 86–91, 1975, doi: 10.1201/b12494-6.
- [27] R. Abbas, M. Shirvanimoghaddam, Y. Li, and B. Vucetic, “Random Access for M2M Communications with QoS Guarantees,” *IEEE Trans. Commun.*, vol. 65, no. 7, pp. 2889–2903, 2017, doi: 10.1109/TCOMM.2017.2690900.
- [28] N. Zheng, Y. He, B. Bai, A. M. C. So, and K. Yang, “LDPC code design for Gaussian multiple-access channels using dynamic EXIT chart analysis,” *ICASSP, IEEE Int. Conf. Acoust. Speech Signal Process. - Proc.*, pp. 3679–3683, 2017, doi: 10.1109/ICASSP.2017.7952843.
- [29] T. M. Cover and J. A. Thomas, *Elements of Information Theory*. Wiley, 2005. doi: 10.1002/047174882X.
- [30] N. G. Hutapea, Y. Rahayu, and K. Anwar, “Eksperimen Probabilitas Stopping Set pada Coded Random Access (CRA) untuk Jaringan IoT,” *J.*

Online Mhs. Fak. Tek., vol. 5, pp. 1–8, 2018.

- [31] E. Rondeau, F. Lepage, J. P. Georges, and G. Morel, “Measurements and Sustainability,” in *Green Information Technology: A Sustainable Approach*, 2015, pp. 29–59. doi: 10.1016/B978-0-12-801379-3.00003-6.
- [32] M. L. Hakim and I. Santoso, “Analisis Kinerja Sistem MIMO-OFDM pada Kanal Rayleigh dan AWGN dengan Modulasi QPSK,” *Jur. Tek. Elektro Fak. Tek. Univ. Diponegoro Semarang*, vol. 12, no. 4, pp. 150–154, 2010.
- [33] A. A. Aprian, S. M. Al Sasongko, and B. Kanata, “Analisis Kinerja Sistem OFDM Pada Kanal AWGN dan Rayleigh Dengan Modulasi M-QAM dan M-PSK Berbasis Simulink,” *Dielektrika*, vol. 6, no. 1, p. 9487, 2019.
- [34] T. Richardson and R. Urbanke, *Binary Erasure Channel*. 2010. doi: 10.1017/cbo9780511791338.004.
- [35] A. Shokrollahi and M. Luby, “Raptor codes,” *IEEE Trans. Inf. Theory*, vol. 52, no. 6, pp. 2551–2567, 2006, doi: 10.1561/01000000060.