

DAFTAR PUSTAKA

- [1] Badan Pusat Statistik, *Statistik Telekomunikasi Indonesia*. Jakarta: BPS Indonesia, 2022.
- [2] H. M. Perdana and A. Firdausi, “Simulasi Radio Over Fiber pada Frekuensi 2.4 GHz Berbasis Wavelength Division Multiplexing Menggunakan Fiber Bragg Gratings,” *J. Telekomun. dan Komput.*, vol. 11, no. 2, pp. 166–176, 2021, doi: 10.22441/incomtech.v11i2.11156.
- [3] T. Raju and A. Najia, “Multiple Pass Hybrid Optical Amplifier Configuration For DWDM Communication System,” *Int. Conf. Intell. Comput. Control Syst. ICICCS 2019*, pp. 392–395, 2019, doi: 10.1109/ICCS45141.2019.9065314.
- [4] B. Das, P. Mandal, K. Mallick, R. Mukherjee, G. C. Mandal, and A. S. Patra, “Radio over Fiber-Based Wavelength Division Multiplexed/Time Division Multiplexed Passive Optical Network Architecture Employing Mutual Injection Locked Fabry-Perot Laser Diodes,” *J. Opt. Commun.*, vol. 44, no. 3, pp. 1–6, 2019, doi: 10.1515/joc-2019-0105.
- [5] R. Susanti, Gusmawandi, Sutoyo, and F. Amilia, “Performansi SCM/WDM Radio Over Fiber Dengan Arsitektur PON Menggunakan M-Ary PSK,” *SNTIKI*, pp. 494–500, 2018.
- [6] N. J. Gomes, P. P. Monteiro, and A. Gameiro, *Next Generation Wireless Communications Using Radio Over Fiber*. Wiley, 2012.
- [7] N. Halimah and Y. Rahayu, “Analisa Kinerja Sistem Radio Over Fiber (ROF) Menggunakan Teknik Quadrature Amplitude Modulation (QAM) untuk Jaringan Wireless Local Area Network (WLAN),” *FTEKNIK*, vol. 8, no. 2, pp. 1–9, 2021.
- [8] D. Ardityo, A. Hambali, and M. I. Maulana, “Performansi Jaringan Radio Over Fiber Untuk Mobile Communication 5G Dengan Pulsa Soliton,” *e-Proceeding Eng.*, vol. 8, no. 5, pp. 5413–5422, 2021.
- [9] F. Ujang, A. D. Siregar, A. Mardhotillah, F. Arifa, N. Y. Ikhsan, and S. M. Putri, “A WDM Scheme to Analyze the Performance of RoF System by Giving Various Bit Rate,” *J. Informatics Telecommun. Eng.*, vol. 7, no. July,

- pp. 1–9, 2023, doi: 10.31289/jite.v7i1.8263.
- [10] Saktioto, Fitriadhani, Syahputra, Okfalisa, and Syamsudhuha, “Analysis of Attenuation Compensation Using Erbium Doped Fiber Amplifiers on Wavelength Division Multiplexing Networks as Optical Amplifiers in Communication Systems,” *J. Phys. Conf. Ser.*, vol. 1351, no. 1, pp. 1–7, 2019, doi: 10.1088/1742-6596/1351/1/012019.
- [11] L. M. Younis and E. I. Essa, “Multi-Channel of High Speed Optical Network Based RoF/WDM Architecture,” *J. Adv. Sci. Nanotechnol.*, vol. 2, no. 1, pp. 188–203, 2023, doi: 10.55945/joasnt.2023.2.1.188-203.
- [12] K. Chaudhary and K. S. Malhi, “Design and Performance Analysis of *Subcarrier* Multiplexed Radio over Fiber Optical Transmission System,” *Int. J. Sci. Technol. Res.*, vol. 8, no. 11, pp. 3720–3725, 2019.
- [13] A. H. Ali and A. D. Farhood, “Design and Performance Analysis of the WDM Schemes for Radio over Fiber System With Different Fiber Propagation Losses,” *Fibers*, vol. 7, no. 3, pp. 1–12, 2019, doi: 10.3390/FIB7030019.
- [14] B. Pal, *Frontiers in Guided Wave Optics and Optoelectronics*. Vukovar: Intech, 2010.
- [15] G. Maral and M. Bousquet, *Satellite Communications Systems*, 5th ed., vol. 231, no. 1. Chichester: Wiley, 2009.
- [16] R. Fernando and M. Suryanegara, “Analisis Tekno Ekonomi Distributed Antenna Systems (DAS) Aktif dan Pasif Menggunakan Teknologi Mobile 5G Di Apartemen XYZ,” *Smart Comp*, vol. 12, no. 3, pp. 773–794, 2023, doi: 10.30591/smartcomp.v12i3.5377.
- [17] Yayasan Pendidikan Telkom, “Jaringan Akses Fiber Optik,” in *Teknik Jaringan Akses*, Bandung: Tim Pendidikan Dasar dan Menengah, 2016.
- [18] PT. Telekomunikasi Indonesia, “Konsep Dasar Transmisi,” in *Optical Access Network*, V1.0., Bandung: PT Telekomunikasi Indonesia, Tbk, 2004.
- [19] H. Hussien, D. Atilla, E. Essa, and C. Aydin, “A New Hybrid Architecture of Radio over Fiber/Wavelength Division Multiplexing in Optical Network,” *ICCISTA 2019*, pp. 1–5, 2019, doi: 10.1109/ICCISTA.2019.8830656.
- [20] ITU-T, “Spectral Grids for WDM Applications: DWDM Frequency Grid,”

- in *Transmission Systems and Media, Digital Systems and Networks*, G-Series., Geneva: International Telecommunication Union, 2020, p. 16.
- [21] PT Telekomunikasi Indonesia, “Dasar Sistem Komunikasi Optik,” in *Optical Access Network*, V1.0., Bandung: PT Telekomunikasi Indonesia, Tbk, 2004, p. 72.
- [22] D. Giancoli, *Physics for Scientists and Engineers*, 5th ed. Pearson, 2020.
- [23] ITU-T, “Spectral Grids for WDM Applications: CWDM Wavelength Grid,” in *Transmission Systems and Media, Digital Systems and Networks*, G-Series., Geneva: International Telecommunication Union, 2003, p. 12.
- [24] ITU-T, “Transmission Characteristics of Optical Components and Subsystems,” in *Transmission Systems and Media, Digital Systems and Networks*, G-Series., Geneva: International Telecommunication Union, 2019, p. 46.
- [25] M. Yasyir, A. Hambali, and A. D. Pambudi, “Simulasi Dan Analisis Pengaruh EDFA Pada Sistem 80 G TWDM-PON Berbasis Next Generation Passive Optical Network Stage 2,” *e-Proceeding Eng. Telkom Univeristy*, vol. 4, no. 2, pp. 1780–1787, 2017.
- [26] R. M. Arpan, A. Hambali, and A. D. Pambudi, “Pengaruh EDFA Pada Sistem 160 G TWDM-PON Berbasis NG-PON2,” *e-Proceeding Eng. Telkom Univeristy*, vol. 4, no. 3, pp. 3798–3813, 2017.
- [27] A. E. Willner, *Optical Fiber Telecommunications VII*. Los Angeles: Academic Press, 2019.
- [28] P. Utomo, Suprpto, and R. Irfan, *Teknik Telekomunikasi*, Jilid 2., vol. 01. Jakarta: Direktorat Pembinaan Sekolah Menengah Kejuruan, 2008.
- [29] I. Obot, E. Okafor, and A. J. Jacob, “Analysis of Bit Error Rate of BPSK, 4-QAM And 4-PAM Modulation Schemes For A Partial Line of Site Microwave Communication Link,” *IMJST*, vol. 6, no. 4, pp. 3458–3466, 2021.
- [30] G. Keiser, *Optical Fiber Communications*, Third Edit. McGraw-Hill, 2000.
- [31] P. Ratih Devyanti, G. Sukadarmika, and K. Oka Saputra, “Pengukuran Kualitas Layanan Jaringan Kabel Serat Optik Link Benciluk-Jimbaran,” *J. SPEKTRUM*, vol. 8, no. 1, pp. 1–8, 2021, doi:

10.24843/spektrum.2021.v08.i01.p1.

- [32] G. P.Agrawal, *Fiber-Optic Communications Systems*, 3rd Ed. New York: Wiley-Interscience, 2002.