DAFTAR PUSTAKA

[1] Vaigai College of Engineering and Institute of Electrical and Electronics Engineers, *Proceedings of the International Conference on Intelligent Computing and Control Systems (ICICCS 2020) : 13-15 May, 2020*.

[2] Universitas Gadjah Mada, Sathāban Thēknōlōyī Phra Čhṓmklao Čhaokhun Thahān Lātkrabang, Institute of Electrical and Electronics Engineers. Indonesia Section., and Institute of Electrical and Electronics Engineers, *Proceedings of 2018 the 10th International Conference on Information Technology and Electrical Engineering : "Smarter Technology for Better Society" : Ramada Bintang Bali Resort, 24th-26th July 2018, Kuta, Bali*.

[3] Institute of Electrical and Electronics Engineers. Indonesia Section and Institute of Electrical and Electronics Engineers, *2019 International Conference on Information and Communications Technology.*

[4] P. Mishra, T. Panda, S. S. Rout, and G. Palai, "Investigation of a 16 channel 40 Gbps varied GVD DWDM system using dispersion compensating fiber," 2020.

[5] M. L. Meena and D. Meena, "PERFORMANCE ANALYSIS OF DWDM OPTICAL NETWORK WITH DISPERSION COMPENSATION TECHNIQUES FOR 4×8 GBPS TRANSMISSION SYSTEM," *ONLINE) ICTACT JOURNAL ON MICROELECTRONICS*, pp. 2395–1680, 2018, doi: 10.21917/ijme.2018.0106.

[6] U. Riyadi, F. Khair, and D. Zulherman, *Analisis 1,28 Tbps Dense Wavelength Division Multiplexing (DWDM) Menggunakan Modulasi Eksternal dan Deteksi Langsung*.

[7] N. S. Effendi, Y. Natali, and C. Apriono, "Study of Dispersion Compensation with Dispersion Compensating Fiber in 10 Gbps Single-Mode Fiber," in *2021 International Conference on Green Energy, Computing and Sustainable Technology, GECOST 2021*, Jul. 2021. doi: 10.1109/GECOST52368.2021.9538764.

[8] M. Singh, D. Kumar, and D. Somwanshi, "Design and Analysis of Ultra High Speed 16 Channel Cascaded EDF A-DWDM Network with Post Dispersion Compensations Using Optimization of Fiber Bragg Grating," in

2020 5th IEEE International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2020 - Proceeding, Dec. 2020. doi: 10.1109/ICRAIE51050.2020.9358317.

[9] R. K. Ahmed and H. A. Mahmood, "Performance analysis of PAM intensity modulation based on dispersion compensation fiber technique for optical transmission system," in *1st International Scientific Conference of Engineering Sciences - 3rd Scientific Conference of Engineering Science, ISCES 2018 - Proceedings*, Apr. 2018, vol. 2018-January, pp. 126–130. doi: 10.1109/ISCES.2018.8340540.

[10] H. Damara Ditya, I. A. Hambali, and A. Dias Pambudi, "ANALISIS DAN SIMULASI EFEK NON LINIER THREE WAVE MIXING PADA LINK DENSE WAVELENGTH DIVISION MULTIPLEXING (DWDM) SISTEM KOMUNIKASI SERAT OPTIK ANALYSIS AND SIMULATION OF NON LINEAR EFFECT THREE WAVE MIXING IN DENSE WAVELENGHT DIVISION MULTIPLEXING (DWDM) LINK OPTICAL FIBER COMMUNICATION SYSTEM."

[11] "PENENTUAN KELAJUAN SINAR LASER HELIUM NEON (HeNe) YANG MERAMBAT MELALUI UDARA DAN FIBER OPTIK DENGAN OSILOSKOP 200 MHz _ Nur Kadarisman _ Jurnal Ilmu Fisika dan Terapannya".

[12] S. A. Putra, D. Astharini, and S. Salmani, "TRANSMISI DATA MENGGUNAKAN TEKNOLOGI DENSE WAVELENGTH DIVISION MULTIPLEXING (DWDM)."

[13] S. Danaryani, S. el Yumin, and I. Krisnadi, "Studi Perancangan Jaringan Komunikasi Serat Optik Dwdm L Band dengan Penguat Optikal Edfa," vol. 4, no. 2, 2015.

[14] S. Jim, "dB" The Univ. of Kansas. Dept. of EECS.

[15] S. M. Nazmul Mahmud and S. Prasad Majumder, "DENSE WAVELENGTH DIVISION MULTIPLEXING (DWDM) TRANSMISSION SYSTEM WITH OPTICAL AMPLIFIERS IN CASCADE," 2009.

[16] Institute of Electrical and Electronics Engineers and PPG Institute of Technology, *Proceedings of the 5th International Conference on Communication and Electronics Systems (ICCES 2020) : 10-12, June 2020*.

[17] F. Khair, A. Pratama, F. Nizar Gustiyana, R. Dwi Rahmawan, and Y. Reza, "Perancangan Sistem Optik DWDM 8 Kanal dengan Penguat EDFA," 2021.

[18] H. A. Arafat, E. F. Cahyadi, D. Zulherman, D. Pranindito, and M. S. Hwang, "Combating Stimulated Raman Scattering Nonlinear Effect on 8-channels DWDM Systems," in *Journal of Physics: Conference Series*, Nov. 2019, vol. 1367, no. 1. doi: 10.1088/1742-6596/1367/1/012064.

[19] D. Djamaluddin, A. Achmad, F. Hidayat, and D. Bramatyo, *Analisis Penguat EDFA dan SOA pada Sistem Transmisi DWDM dengan Optisystem 14*.

[20] Moskovskiĭ tekhnicheskiĭ universitet sv͡iazi i informatiki, Institute of Electrical and Electronics Engineers. Russia Section. CAS Chapter, Institute of Electrical and Electronics Engineers. Region 8, Institute of Electrical and Electronics Engineers. Russia Section. MTT/ED Chapter, and Institute of Electrical and Electronics Engineers, *2020 Systems of Signal Generating and Processing in the Field of on Board Communications : 19-20 March 2020, Moscow Technical University of Communication and Informatics, Moscow, Russian Federation*.

[21] R. P. Prakoso, E. Wahyudi, and K. Masykuroh, "Optimalisasi Bit Error Rate (BER) Jaringan Optik Hybrid Pada Sistem DWDM Berbasis Soliton," *Journal of Telecommunication, Electronics, and Control Engineering (JTECE)*, vol. 3, no. 2, pp. 62–70, Sep. 2021, doi: 10.20895/jtece.v3i2.320.

[22] G 698, "ITU-T SERIES G: TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS Transmission media and optical systems characteristics-Characteristics of optical systems Multichannel DWDM applications with single-channel optical interfaces," 2006.

[23] G 694, "ITU-T Rec. G.694.1 (10/2020) Spectral grids for WDM applications: DWDM frequency grid." [Online]. Available: http://handle.itu.int/11.1002/1000/11

[24] R. N. Bairagi, A. Roy, S. Pervin, and M. S. M. Sher, “Design of a Concentric Triple-core based Dispersion Compensating Fiber,” in *2019 4th International Conference on Electrical Information and Communication Technology, EICT 2019*, Dec. 2019. doi: 10.1109/EICT48899.2019.9068838.

[25] IEEE Staff, *2018 International Conference on Computer Communication and Informatics (ICCCI)*. IEEE, 2018.

[26] K. Singh, H. Sarangal, M. Singh, and S. Singh Thapar, “Analysis of Pre-, Post-, and Symmetrical Dispersion Compensation Techniques using DCF on 40 X 10 Gbps WDM-PON Sy... Analysis of Pre-, Post-, and Symmetrical Dispersion Compensation Techniques using DCF on 40 X 10 Gbps WDM-PON System,” 2017. [Online]. Available: www.ijltemas.in

[27] *International Conference on Mathematics, Modelling and Simulation Technologies and Applications (MMSTA 2017) December 24-25, 2017, Xiamen, China.*

[28] Integral University, Institute of Electrical and Electronics Engineers. Uttar Pradesh Section, and Institute of Electrical and Electronics Engineers, *2018 International Conference on Computational and Characterization Techniques in Engineering & Sciences (CCTES) : Integral University, Lucknow, India, Sep 14-15, 2018.*

[29] I. P. AJI, “ANALISIS PERBANDINGAN UNJUK KERJA SKEMA DISPERSI COMPENSATING FIBER (DCF) PADA LONG HAUL DENSE WAVELENGTH DIVISION MULTIPLEXING (DWDM).,” Purwokerto.

[30] “Introduction to Optisystem - How To Setup The Pseudo Random Bit Sequence Generator.” https://optiwave.com/products/system-and-amplifier-design/optisystem/optisystem-videos/optisystem-training-videos/introduction-to-optisystem-how-to-setup-the-pseudo-random-bit-sequence-generator/ (accessed Feb. 07, 2023).

[31] A. D. Tiara, “Analisis Pengaruh Variasi Kanal Pada Sistem Multiplexing Komunikasi Li-Fi.”. Purwokerto

[32] B. Wang *et al.*, “A Low-Voltage Si-Ge Avalanche Photodiode for High-Speed and Energy Efficient Silicon Photonic Links,” *Journal of Lightwave Technology*, vol. 38, no. 12, pp. 3156–3163, Jun. 2020, doi: 10.1109/JLT.2019.2963292.

[33] G 959, “ITU-T Optical transport network physical layer interfaces,” 2012.

[34] “ITU-T SERIES O: SPECIFICATIONS OF MEASURING EQUIPMENT Equipment for the measurement of optical channel parameters Q-factor test equipment to estimate the transmission performance of optical channels,” 2003.

[35] “OptiSystem Overview.” https://optiwave.com/optisystem-overview/ (accessed Feb. 07, 2023).