REFERENCES

- [1] F. McSherry and R. Mahajan, "Differentially-private network trace analysis," *SIGCOMM Comput. Commun. Rev.*, vol. 40, no. 4, p. 123–134, Aug. 2010. [Online]. Available: https://doi.org/10.1145/1851275.1851199
- [2] G. K. Soejantono, M. I. Nashiruddin, S. N. Hertiana, and M. A. Nugraha, "Performance evaluation of sd-wan deployment for xyz enterprise company in indonesia," in 2021 IEEE 12th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 2021, pp. 0311–0316.
- [3] A. Sahur and A. Amiruddin, "Analysis of the success of implementing digital service delivery in the indonesian public sector: A case study on the use of online public service applications," *International Journal Papier Public Review*, vol. 4, pp. 1–9, 10 2023.
- [4] N. H. Essing and C. Wigginton. (2022, Jun.) Rise in private 5g networks. Accessed: 2025-07-24. [Online]. Available: https://www.deloitte.com/us/en/insights/industry/technology/private-5g-network-growth.html
- [5] Z. Xu and J. Ni, "Research on network security of vpn technology," in 2020 *International Conference on Information Science and Education (ICISE-IE)*, 2020, pp. 539–542.
- [6] J. Nemčik, P. Kănuch, and I. Kotuliak, "Content distribution in private networks," in 2022 International Symposium ELMAR, 2022, pp. 67–70.
- [7] B. Butler. (2023)Idc marketscape evaluates worldwide trends. sd-wan infrastructure vendors and market Ac-Jul. 24. 2025. [Online]. Available: https://bit.ly/ cessed: dc-marketscape-evaluates-worldwide-sd-wan-vendors-and-market-trends
- [8] S. Troia, L. M. Moreira Zorello, and G. Maier, "Sd-wan: how the control of the network can be shifted from core to edge," in 2021 International Conference on Optical Network Design and Modeling (ONDM), 2021, pp. 1–3.
- [9] A. Sadiqui, *IPsec VPNs*, 2020, pp. 173–188.
- [10] I. Ketut Agung Enriko, F. Nizar Gustiyana, M. Al Furqon, D. Fabian, and E. Lety Istikhomah Puspita Sari, "Techno-economic analysis of iot implementation to support energy efficiency in telecommunications industry office

- building," in 2024 10th International Conference on Smart Computing and Communication (ICSCC), 2024, pp. 111–116.
- [11] Z. A. Bhuiyan, S. Islam, M. M. Islam, A. B. M. A. Ullah, F. Naz, and M. S. Rahman, "On the (in)security of the control plane of sdn architecture: A survey," *IEEE Access*, vol. 11, pp. 91 550–91 582, 2023.
- [12] J. R. Bustamante and D. Avila-Pesantez, "Comparative analysis of cyberse-curity mechanisms in sd-wan architectures: A preliminary results," in 2021 IEEE Engineering International Research Conference (EIRCON), 2021, pp. 1–4.
- [13] K. G. Yalda, D. J. Hamad, and N. Ţăpuş, "A survey on software-defined wide area network (sd- wan) architectures," in 2022 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), 2022, pp. 1–5.
- [14] IEEE, *IEEE* 2030.102.1-2020 Standard for Interoperability of IP-based Utilities, Std., 2020, accessed: 2024-11-04. [Online]. Available: https://standards.ieee.org/
- [15] W. Wang, H. Wang, G. Wu, X. Liang, W. Chen, and Y. Feng, "Research on the application of sd-wan technology in power communication scenarios," in 2022 Global Conference on Robotics, Artificial Intelligence and Information Technology (GCRAIT), 2022, pp. 720–723.
- [16] M. Kantor, K. Wajda, B. Lannoo, K. Casier, S. Verbrugge, M. Pickavet, L. Wosinska, J. Chen, and A. Mitcsenkov, "General framework for technoeconomic analysis of next generation access networks," 08 2010, pp. 1 4.
- [17] M. V. Sokolov, "Npv, irr, pi, pp, and dpp: a unified view," 2024. [Online]. Available: https://arxiv.org/abs/2302.02875
- [18] J. T. Amin and O. Y. Sudrajad, "Economic feasibility study of a chemical enhanced oil recovery project in indonesia based on conventional discounted cash flow (dcf) and real option valuation model: Case study at pt abc," *International Journal of Current Science Research and Review*, vol. 6, no. 1, pp. 275–289, 2023.
- [19] C. Szwarcfiter and Y. T. Herer, "Managing the balance between project value and net present value using reinforcement learning," *IEEE Access*, vol. 12, pp. 7500–7512, January 2024, received 10 October 2023; accepted 13 December 2023; date of publication 25 December 2023; date of current version 18 January 2024.

- [20] S. Hašková and P. Fiala, "Internal rate of return estimation of subsidised projects: Conventional approach versus fuzzy approach," *Computational Economics*, vol. 62, pp. 1233–1249, 2023. [Online]. Available: https://doi.org/10.1007/s10614-022-10299-7
- [21] J. Adamczyk, R. Dylewski, and M. Relich, "Multi-indicator assessment of a thermal insulation investment, taking into account the pre-set temperature," *Sustainability*, vol. 16, no. 9, p. 3544, 2024. [Online]. Available: https://doi.org/10.3390/su16093544
- [22] Fortinet Inc., *FortiOS 7.0.0 New Features Guide*, 01st ed., Fortinet Inc., July 2024, available at https://docs.fortinet.com.
- [23] A. V. S. Putra, L. V. Yovita, and L. Hafiza, "Implementasi fortigate sd-wan menggunakan link astinet dan vpn ipsec pada perusahaan fif," *e-Proceeding of Engineering*, vol. 11, no. 6, pp. 5845–5850, 2024. [Online]. Available: https://repository.mercubuana.ac.id/84478/1/01% 20COVER%20-%20FEBRIYANTO%20WAHYU%20PRATAMA.pdf
- [24] S. Andromeda and D. Gunawan, "Techno-economic analysis from implementing sd-wan with 4g/lte, a case study in xyz company," in 2020 International Seminar on Intelligent Technology and Its Applications (ISITIA), 2020, pp. 345–351.
- [25] K. Yang, D. Guo, B. Zhang, and B. Zhao, "Multi-controller placement for load balancing in sdwan," *IEEE Access*, vol. 7, pp. 167 278–167 289, 2019.
- [26] F. A. Salman, "Implementation of ipsec-vpn tunneling using gns3," *TELKOM-NIKA Indonesian Journal of Electrical Engineering and Computer Science*, vol. 7, no. 3, pp. 855–860, 2017.