DAFTAR PUSTAKA

[1] International Telecommunication Union (ITU), "Global Internet use continues to rise but disparities remain, especially in low-income regions: Connecting the world and beyond", Press Release, Geneva, 27 Nov. 2024. [Online]. Available: https://www.itu.int/en/mediacentre/Pages/PR-2024-11-27-facts-and-figures.aspx [Accessed: 27 Oct. 2025].

[2] Asosiasi Penyelenggara Jasa Internet Indonesia, "Survei Internet APJII", 2025. [Online]. Available: https://survei.apjii.or.id/. [Accessed: 03-Nov-2025].

[3] S. Sugumaran, D. N. Lakshmi, and S. Choudhary, "An overview of FTTH for optical network," Advances in Smart Communication and Imaging Systems: Select Proceedings of MedCom 2020, pp. 41–51, 2021.

[4] J. Alkenani and K. A. Nassar, "Network Monitoring Measurements for Quality of Service: A Review," *Iraqi Journal for Electrical and Electronic Engineering*, vol. 18, no. 2, pp. 33–42, Dec. 2022, doi: 10.37917/ijeee.18.2.5.

[5] A. Pradana, I. R. Widiasari, and R. Efendi, "Implementasi Sistem Monitoring Jaringan Menggunakan Zabbix Berbasis SNMP," *AITI: Jurnal Teknologi Informasi*, vol. 19, no. 2, pp. 248–262, Aug. 2022.

[6] Y. Kusmayuda, Y. Sholva, and H. Novriando, "Sistem Informasi Geografis Penyebaran Optical Distribution Point Jaringan Fiber Optic di PT PLN Comnets Plus KPW Kalimantan Barat," *JITET*, vol. 12, no. 2, pp. 180–188, 2024.

[7] A. Hizriadi, R. Shiddiq, I. Jaya, and S. Prayudani, "Network Device Monitoring System based on Geographic Information System and Simple Network Management Protocol," *JITE (Journal of Informatics and Telecommunication Engineering)*, vol. 3, no. 2, pp. 216–223, Jan. 2020, doi: 10.31289/jite.v3i2.3187.

[8] M. S. Rumetna, T. N. Lina, I. S. Rajagukguk, F. S. Pormes, and A. B. Santoso, "Payroll Information System Design Using Waterfall Method," *International Journal of Advances in Data and Information Systems*, vol. 3, no. 1, pp. 1–10, 2022.

[9]H. S. Park and S. W. Lee, "Real-time network monitoring scheme based on SNMP for dynamic information," *International Journal of Control, Automation and Systems*, vol. 5, no. 1, pp. 84-91, 2007.

[10] Zabbix SIA, "2 What is Zabbix," *Zabbix Documentation 7.4*, 2024. [Online]. Available: https://www.zabbix.com/documentation/current/en/manual/introduction/about.

[11] J. Campbell and M. Shin, *Essentials of Geographic Information Systems*, Saylor Foundation, 2011.

[12] J. Prat, *Next-Generation FTTH Passive Optical Networks*, Dordrecht, Netherlands: Springer Science + Business Media B.V., 2008.

[13] A. N. Ulfawaty and Fausiah, "Analisis Redaman pada Jaringan Fiber to the Home (FTTH) Berteknologi Gigabit Passive Optical Network (GPON) di PT Telkom Makassar," *AINET Journal Informatika*, vol. 1, no. 1, pp. 21–27, Mar. 2019.

[14] B. Dermawan, I. Santoso, and T. Prakoso, "Analisis Jaringan FTTH (Fiber To The Home) Berteknologi GPON (Gigabit Passive Optical Network)," *Transient*, vol. 5, no. 1, pp. 30–37, 2016.

[15] S. P. Toago, Alamsyah, and A. Amir, "Perancangan Jaringan Fiber To The Home (FTTH) Berteknologi Gigabit Passive Optical Network (GPON) di Perumahan," pp. 40–46, 2014.

[16] W. Stallings, "SNMPv3: A Security Enhancement for SNMP," *IEEE Commun. Mag.*, vol. 36, no. 10, pp. 41–48, Oct. 1998, doi: 10.1109/35.722086.

[17] K.-T. Chang, "Geographic Information System," in *The International Encyclopedia of Geography*, D. Richardson *et al.*, Eds. Hoboken, NJ, USA: John Wiley & Sons, 2019, doi: 10.1002/9781118786352.wbieg0152.pub2.

[18] J. Burrough and R. McDonnell, *Principles of Geographical Information Systems*, New York: Oxford University Press, 1998.

[19] E. Prahasta, *Sistem Informasi Geografis: Konsep-Konsep Dasar (Perspektif Geodesi dan Geomatika)*, Bandung: Informatika, 2014.

[20] A. Dennis, B. H. Wixom, and D. Tegarden, Systems Analysis and Design: An Object-Oriented Approach with UML, 5th ed. Hoboken, NJ, USA: Wiley, 2015.

[21] W. W. Royce, “Managing the Development of Large Software Systems,” in *Proceedings of IEEE WESCON*, Los Angeles, CA, USA, 1970, pp. 1–9.

[22] I. Sommerville, *Software Engineering*, 10th ed. Boston, MA, USA: Pearson, 2016.

[23] V. Agafonkin et al., Leaflet — a JavaScript library for interactive maps, 2025. [Online]. Available: https://leafletjs.com. [Accessed: 27-Oct-2025].

[24]Mapbox, Inc., “Pricing | Mapbox,” available: https://www.mapbox.com/pricing [Accessed: Nov. 03, 2025].

[25] Google LLC, “Platform Pricing & API Costs - Google Maps Platform,” available: https://mapsplatform.google.com/pricing/ [Accessed: Nov. 03, 2025].

[26] D. Abramov and J. Clark, React: A JavaScript library for building user interfaces, Meta Platforms Inc., 2013. [Online]. Available: https://react.dev

[27] A. Banks and E. Porcello, Learning React: Modern Patterns for Developing React Apps, 2nd ed. Sebastopol: O’Reilly Media, 2020.

[28] The Go Authors, "The Go Programming Language Specification," *go.dev*, 2024. [Online]. Available: https://go.dev/ref/spec.

[29] A. A. A. Donovan and B. W. Kernighan, *The Go Programming Language*. New York, NY, USA: Addison-Wesley Professional, 2015.

[30] A. Al Muhaimin, T. Hardiani, and D. Wijayanto, "Sistem Monitoring Jaringan Menggunakan Zabbix dengan Metode NDLC," in Prosiding Seminar Nasional Penelitian dan Pengabdian Kepada Masyarakat LPPM, Universitas 'Aisyiyah Yogyakarta, vol. 2, 2024.

[31] L. O. Sari, H. A. Suri, E. Safrianti, and F. Jalil, "Rancang Bangun Sistem Monitoring Bandwidth Server pada PT. Industri Kreatif Digital (Pengujian Blackbox Testing)," MALCOM: Indonesian Journal of Machine Learning and Computer Science, 2023.

[32] I Putu Agus Eka Pratama, Prototyping Sebagai Model Pengembangan Software. CV. Ruang Tentor, 2023.

[33] N. Hartono and A. A. Muin, “Penggunaan User Acceptance Testing (UAT) Pada Pengujian Sistem Informasi Pengelolaan Keuangan Dan Inventaris Barang,” 2025.