

## DAFTAR PUSTAKA

- [1] C. Hidayatullah, "Jenis dan Dampak Cyber Crime," *Pros. SAINTEK Sains dan Teknol.*, vol. 2, no. 1, pp. 216–221, 2023.
- [2] E. Tufan, C. Tezcan, and C. Acarturk, "Anomaly-Based Intrusion Detection by Machine Learning: A Case Study on Probing Attacks to an Institutional Network," *IEEE Access*, vol. 9, pp. 50078–50092, 2021, doi: 10.1109/ACCESS.2021.3068961.
- [3] Z. Ahmad, A. Shahid Khan, C. Wai Shiang, J. Abdullah, and F. Ahmad, "Network intrusion detection system: A systematic study of machine learning and deep learning approaches," *Trans. Emerg. Telecommun. Technol.*, vol. 32, no. 1, pp. 1–29, 2021, doi: 10.1002/ett.4150.
- [4] Y.-F. Hsu and M. Matsuoka, "A Deep Reinforcement Learning Approach for Anomaly Network Intrusion Detection System," in *2020 IEEE 9th International Conference on Cloud Networking (CloudNet)*, Nov. 2020, pp. 1–6. doi: 10.1109/CloudNet51028.2020.9335796.
- [5] C. C. & D. Freeman, *Machine Learning and Security Protecting Systems with Data and Algorithms*. 2018.
- [6] T. Saranya, S. Sridevi, C. Deisy, T. D. Chung, and M. K. A. A. Khan, "Performance Analysis of Machine Learning Algorithms in Intrusion Detection System: A Review," *Procedia Comput. Sci.*, vol. 171, no. 2019, pp. 1251–1260, 2020, doi: 10.1016/j.procs.2020.04.133.
- [7] M. Ahsan, K. E. Nygard, R. Gomes, M. M. Chowdhury, N. Rifat, and J. F. Connolly, "Cybersecurity Threats and Their Mitigation Approaches Using Machine Learning—A Review," *J. Cybersecurity Pr4.*, vol. 2, no. 3, pp. 527–555, Jul. 2022, doi: 10.3390/jcp2030027.
- [8] G. Rumbaugh, J. Jacobson, I., & Booch, *The Unified Modeling Language Reference Manual*, vol. 53, no. 9. 201AD.
- [9] B. P. Firdaus and I. M. Suartana, "Implementasi Keamanan Jaringan Intrusion Detection/Prevention System Menggunakan Pfsense," *J. Manaj. Inf.*, vol. 4, no. 1, pp. 1–9, 2021.

- [10] K. Subandi and V. Ilyas Sugara dan Adriana Sari Aryani, "Peningkatan Keamanan pada Simple Network Time Protocol (SNTP) untuk Mendeteksi Cybercrime di dalam Akt4itas Jaringan Improved Security on Simple Network Time Protocol (NTP) to Detect Cybercrime in Network Act4ity," vol. 5, pp. 93–100, 2023.
- [11] A. Halbouni, T. S. Gunawan, M. H. Habaebi, M. Halbouni, M. Kartiwi, and R. Ahmad, "Machine Learning and Deep Learning Approaches for CyberSecurity: A Review," *IEEE Access*, vol. 10, no. M1, pp. 19572–19585, 2022, doi: 10.1109/ACCESS.2022.3151248.
- [12] M. Kuroki, "Using Python and Google Colab to teach undergraduate microeconomic theory," *Int. Rev. Econ. Educ.*, vol. 38, no. May, p. 100225, 2021, doi: 10.1016/j.iree.2021.100225.
- [13] E. Bisong, "Google Colaboratory," in *Building Machine Learning and Deep Learning Models on Google Cloud Platform*, Berkeley, CA: Apress, 2019, pp. 59–64. doi: 10.1007/978-1-4842-4470-8\_7.
- [14] R. Magán-Carrión, D. Urda, I. Díaz-Cano, and B. Dorronsoro, "Towards a reliable comparison and evaluation of network intrusion detection systems based on machine learning approaches," *Appl. Sci.*, vol. 10, no. 5, pp. 1–21, 2020, doi: 10.3390/app10051775.
- [15] R. N. Wibowo, P. Sukarno, and E. M. Jadied, "Pendeteksian Serangan DoS Menggunakan Multiclassifier Pada NSL-KDD Dataset," *e-Proceeding Eng.*, vol. 5, no. 3, pp. 7885–7893, 2018.
- [16] M. K. Riskilah and F. A. Yulianto, "Studi Analisis Algoritma Naïve Bayes Untuk Sistem Deteksi Intrusi Pada Internet Of Things," *e-Proceeding Eng.*, vol. 9, no. 3, pp. 2177–2189, 2022.
- [17] H. Alqahtani, I. H. Sarker, A. Kalim, S. M. Minhaz Hossain, S. Ikhlaq, and S. Hossain, *Cyber Intrusion Detection Using Machine Learning Classification Techniques*, vol. 1235 CCIS. Springer Singapore, 2020. doi: 10.1007/978-981-15-6648-6\_10.
- [18] J. O. Mebawondu, O. D. Alowolodu, J. O. Mebawondu, and A. O. Adetunmbi, "Network intrusion detection system using supervised learning

- paradigm*,” *Sci. African*, vol. 9, p. e00497, 2020, doi: 10.1016/j.sciaf.2020.e00497.
- [19] R. B. Hadiprakoso, W. R. Aditya, and F. N. Pramitha, “Analisis Statis Deteksi Malware Android Menggunakan Algoritma Supervised Machine Learning,” *Cyber Secur. dan Forensik Digit.*, vol. 5, no. 1, pp. 1–5, 2022, doi: 10.14421/csecurity.2022.5.1.3116.
- [20] J. K. Chahal, V. Gandhi, P. Kaushal, K. R. Ramkumar, A. Kaur, and S. Mittal, “KAS-IDS: A Machine Learning based Intrusion Detection System,” *Proc. IEEE Int. Conf. Signal Process. Control*, vol. 2021-Octob, no. Icoei, pp. 90–95, 2021, doi: 10.1109/ISPC53510.2021.9609402.
- [21] K. A. Taher, B. Mohammed Yasin Jisan, and M. M. Rahman, “Network intrusion detection using supervised machine learning technique with feature selection,” *1st Int. Conf. Robot. Electr. Signal Process. Tech. ICREST 2019*, pp. 643–646, 2019, doi: 10.1109/ICREST.2019.8644161.
- [22] Laurentinus *et al.*, “Design Fuzzy Expert System and Certainty Factor in Early Detection of Stroke Disease,” *2020 8th Int. Conf. Cyber IT Serv. Manag. CITSM 2020*, 2020, doi: 10.1109/CITSM50537.2020.9268830.

