

DAFTAR PUSTAKA

- [1] I. Harruma, “Kejahatan Siber: Pengertian, Karakteristik dan Faktor Penyebabnya,” *Kompas.com*, 2022. <https://nasional.kompas.com/read/2022/09/16/02400071/kejahatan-siber--pengertian-karakteristik-dan-faktor-penyebabnya> (accessed Oct. 11, 2023).
- [2] H. Nurhayati-Wolff, “Monthly Traffic Anomalies Associated with Cyber Attacks in Indonesia from January to December 2022,” *Statista*, 2023. <https://www.statista.com/statistics/1423738/indonesia-monthly-traffic-anomalies-cyber-attacks/#:~:text=Monthly traffic anomalies from cyber attacks Indonesia 2022&text=Traffic anomaly detection is used,detected throughout 2022 in Indonesia.> (accessed Nov. 01, 2023).
- [3] Acunetix, “What Is a Web Application Attack and How to Defend Against It,” *Acunetix*, 2023. <https://www.acunetix.com/websitesecurity/web-application-attack/> (accessed Oct. 11, 2023).
- [4] R. Vardhman, “How Many Cyber Attacks Happen Per Day in 2023?,” *Techjury*, 2023. <https://techjury.net/blog/how-many-cyber-attacks-per-day/> (accessed Oct. 11, 2023).
- [5] Kingthorin, “SQL Injection,” *OWASP*. https://owasp.org/www-community/attacks/SQL_Injection (accessed Jun. 05, 2024).
- [6] KirstenS, “Cross Site Scripting (XSS),” *OWASP*. <https://owasp.org/www-community/attacks/xss/#> (accessed Jun. 05, 2024).
- [7] Microsoft, “Apa itu serangan DDoS?,” *Microsoft*, 2023. <https://www.microsoft.com/id-id/security/business/security-101/what-is-a-ddos-attack#:~:text=Serangan DDoS menargetkan situs web,atau membuatnya offline sama sekali.> (accessed Oct. 11, 2023).
- [8] CloudFlare, “What is a WAF? Web Application Firewall Explained,” *CloudFlare*. <https://www.cloudflare.com/learning/ddos/glossary/web-application-firewall-waf/#:~:text=A WAF or web application,and SQL injection%2C among others.> (accessed Jun. 05, 2024).
- [9] Galiniostech, “SQL Injection vs. Cross-Site Scripting (XSS): Unraveling Two Critical Web Vulnerabilities,” *Medium*, 2023. <https://medium.com/@galiniostech/sql-injection-vs-cross-site-scripting-xss-unraveling-two-critical-web-vulnerabilities-b9be62c25235#:~:text=Target%3A SQL Injection primarily targets,JavaScript or other scripting languages.> (accessed Jun. 05, 2024).
- [10] C. A. Indonesia, “DoS and DDos Attack: What’s the Difference?,” *Cyber Academy*

- Indonesia*, 2022. <https://www.cyberacademy.id/blog/dos-dan-ddos-attack-apa-bedanya-> (accessed Oct. 11, 2023).
- [11] Imperva, “SQL (Structured query language) Injection,” *Imperva a Thales Company*. <https://www.imperva.com/learn/application-security/sql-injection-sqli/> (accessed Jun. 05, 2024).
- [12] A. Dizdar, “What is XSS? Impact, Types, and Prevention,” *Bright Security*, 2022. <https://brightsec.com/blog/xss/> (accessed Jun. 05, 2024).
- [13] Trivusi, “Serangan DDoS: Pengertian, Dampak, dan Strategi Penanganannya,” *Trivusi*. <https://www.trivusi.web.id/2023/07/ddos-attack.html#:~:text=Dampak dari serangan DDoS dapat,biaya pemulihan infrastruktur yang tinggi.> (accessed Oct. 11, 2023).
- [14] Kominfo, “Menkominfo Tegaskan Peretas Situs Melanggar Hukum,” *Kominfo*. https://www.kominfo.go.id/content/detail/3461/menkominfo-tegaskan-peretas-situs-melanggar-hukum/0/berita_satker (accessed Oct. 11, 2023).
- [15] A. Shaheed and M. H. D. B. Kurdy, “Web Application Firewall Using Machine Learning and Features Engineering,” *Secur. Commun. Networks*, vol. 2022, 2022, doi: 10.1155/2022/5280158.
- [16] T. C. H. Nguyen, M. K. Le-Nguyen, D. T. Le, V. H. Nguyen, L. P. Tôñ, and K. Nguyen-An, “Improving Web Application Firewalls with Automatic Language Detection,” *SN Comput. Sci.*, vol. 3, no. 6, pp. 1–14, 2022, doi: 10.1007/s42979-022-01327-2.
- [17] M. Medet, “Overview of Distributed Denial of Service (DDoS) Attack Types and Mitigation Methods,” pp. 494–508, 2024, doi: 10.51582/interconf.19-20.03.2024.048.
- [18] H. Sun, W. Ngan, and H. J. Chao, “RateGuard: A robust Distributed Denial of Service (DDoS) Defense System,” *GLOBECOM - IEEE Glob. Telecommun. Conf.*, no. 3, 2009, doi: 10.1109/GLOCOM.2009.5425941.
- [19] 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.
- [20] M. S. Korium, M. Saber, A. Beattie, A. Narayanan, S. Sahoo, and P. H. J. Nardelli, “Intrusion Detection System for Cyberattacks in the Internet of Vehicles Environment,” *Ad Hoc Networks*, vol. 153, no. November 2023, 2024, doi: 10.1016/j.adhoc.2023.103330.
- [21] A. R. Muhammad, P. Sukarno, and A. A. Wardana, “Integrated Security Information and Event Management (SIEM) with Intrusion Detection System (IDS) for Live

- Analysis based on Machine Learning,” *Procedia Comput. Sci.*, vol. 217, no. 2022, pp. 1406–1415, 2022, doi: 10.1016/j.procs.2022.12.339.
- [22] IEEE, “IEEE Guide for Developing Requirements Specifications,” *IEEE Stand.*, pp. 2–30, 1996.
- [23] J. R. Tadhani, V. Vekariya, V. Sorathiya, S. Alshathri, and W. El-Shafai, “Securing Web Applications Against XSS and SQLi Attacks using a Novel Deep Learning Approach,” *Sci. Rep.*, vol. 14, no. 1, pp. 1–17, 2024, doi: 10.1038/s41598-023-48845-4.
- [24] C. Confidential, “Cisco Systems Korea 목차 Borderless Network? Borderless Mobility !,” 2009.
- [25] M. Affandi and S. Setyowibowo, “Implementasi Snort Sebagai Alat Pendeteksi Intrusi Menggunakan Linux,” *J. Teknol. Inf.*, pp. 98–112, 2013, doi: 10.36382/jti-tki.v4i2.109.
- [26] Z. I. Technologies, “Shadowd,” *Github*. <https://github.com/zecure/shadowd/commits?author=zit-hb> (accessed Jan. 02, 2024).
- [27] SpiderLabs, “ModSecurity,” *Github*. <https://github.com/SpiderLabs/ModSecurity> (accessed Jan. 02, 2024).
- [28] Openappsec, “Openappsec,” *Github*. <https://github.com/openappsec/openappsec> (accessed Jan. 02, 2024).
- [29] Apache.org, “Apache Module mod_ratelimit,” *apache.org*, 2024. https://httpd.apache.org/docs/2.4/mod/mod_ratelimit.html (accessed Jun. 05, 2024).
- [30] A. APISIX, “Rate Limiting,” *Apache APISIX*. <https://apisix.apache.org/docs/apisix/getting-started/rate-limiting/> (accessed Jun. 05, 2024).
- [31] NGINX, “Limiting Access to Proxied HTTP Resources,” *NGINX Docs*. <https://docs.nginx.com/nginx/admin-guide/security-controls/controlling-access-proxied-http/#limiting-the-request-rate>
- [32] F. Alsakran, G. Bendiab, S. Shiaeles, and N. Kolokotronis, “Intrusion Detection Systems for Smart Home IoT Devices: Experimental Comparison Study,” *Secur. Comput. Commun.*, vol. 625, pp. 52–62, 2016.
- [33] T. S. Team, “Snort,” *Cisco*. <https://www.snort.org/> (accessed Jan. 03, 2024).
- [34] C. A. Indonesia, “Mengenal Damn Vulnerable Web App,” *Cyber Academy Indonesia*, 2023. <https://www.cyberacademy.id/blog/mengenal-damn-vulnerable-web-app-dvwa-> (accessed Jan. 03, 2024).
- [35] Telegram.org, “What is Telegram? What do I do here?,” *telegram.org*.

- <https://telegram.org/faq#q-what-is-telegram-what-do-i-do-here> (accessed Jun. 10, 2024).
- [36] M. Ainurrahman and Siswanto, “Penerapan Fungsi Transforming Dan Rate Limiting Untuk Management API di Perusahaan,” *3rd Semin. Nas. Mhs. Fak. Teknol. Inf.*, vol. 2, no. 2, pp. 2145–2153, 2023.
- [37] Zenarmor, “Snort IDS/IPS Explained: What - Why you need - How it works,” *Zenarmor*. <https://www.zenarmor.com/docs/network-security-tutorials/what-is-snort> (accessed Jun. 09, 2024).
- [38] m. s. Partners, “WAF-Payload-Collection.” <https://github.com/mgm-sp/WAF-Payload-Collection> (accessed Jun. 09, 2024).
- [39] B. University, “Confusion Matrix,” *Binus University*. <https://socs.binus.ac.id/2020/11/01/confusion-matrix/> (accessed Jun. 09, 2024).
- [40] LinkedIn, “What is the Difference Between a Confusion Matrix and a Classification Report?,” *LinkedIn*. <https://www.linkedin.com/advice/3/what-difference-between-confusion-matrix-classification-hsehf> (accessed Jun. 09, 2024).
- [41] C. P. Antodi, A. B. Prasetijo, and E. D. Widiyanto, “Penerapan Quality of Service Pada Jaringan Internet Menggunakan Metode Hierarchical Token Bucket,” *J. Teknol. dan Sist. Komput.*, vol. 5, no. 1, p. 23, 2017, doi: 10.14710/jtsiskom.5.1.2017.23-28.
- [42] M. Hasbi and N. R. Saputra, “Analisis Quality of Service (Qos) Jaringan Internet Kantor Pusat King Bukopin Dengan Menggunakan Wireshark,” *Univ. Muhammadiyah Jakarta*, vol. 12, no. 1, pp. 1–7, 2021.
- [43] Satria Turangga, Martanto, and Yudhistira Arie Wijaya, “Analisis Internet Menggunakan Paramater Quality of Service Pada Alfamart Tuparev 70,” *JATI (Jurnal Mhs. Tek. Inform.*, vol. 6, no. 1, pp. 392–398, 2022, doi: 10.36040/jati.v6i1.4693.
- [44] IBM, “HTTP respons,” *IBM*. <https://www.ibm.com/docs/en/cics-ts/6.x?topic=protocol-http-responses> (accessed Jun. 10, 2024).