

DAFTAR PUSTAKA

- [1] A. Tarter, "Importance of Cyber Security," in *Community Policing - A European Perspective: Strategies, Best Practices and Guidelines*, R. and A. B. and M. G. Bayerl P. Saskia and Karlović, Ed., Cham: Springer International Publishing, 2017, pp. 213–230. doi: 10.1007/978-3-319-53396-4_15.
- [2] F. Monrose and A. D. Rubin, "Keystroke dynamics as a biometric for authentication," *Future Generation Computer Systems*, vol. 16, no. 4, pp. 351–359, 2000, doi: [https://doi.org/10.1016/S0167-739X\(99\)00059-X](https://doi.org/10.1016/S0167-739X(99)00059-X).
- [3] T. Sendjaja, Irwandi, E. Prastiawan, Y. Suryani, and E. Fatmawati, "Cybersecurity In The Digital Age: Developing Robust Strategies To Protect Against Evolving Global Digital Threats And Cyber Attacks," *International Journal of Science and Society*, vol. 6, pp. 1008–1019, Jan. 2024, doi: 10.54783/ijssoc.v6i1.1098.
- [4] R. Verma, "CYBERSECURITY CHALLENGES IN THE ERA OF DIGITAL TRANSFORMATION," 2024, p. 187. doi: 10.25215/9392917848.20.
- [5] D. Gunetti and C. Picardi, "Keystroke analysis of free text," *ACM Trans. Inf. Syst. Secur.*, vol. 8, no. 3, pp. 312–347, Aug. 2005, doi: 10.1145/1085126.1085129.
- [6] A. Jain, P. Flynn, and A. Ross, *Handbook of Biometrics*. 2008. doi: 10.1007/978-0-387-71041-9.
- [7] I. Tsimperidis, O.-D. Asvesta, E. Vrochidou, and G. A. Papakostas, "IKDD: A Keystroke Dynamics Dataset for User Classification," *Information*, vol. 15, no. 9, 2024, doi: 10.3390/info15090511.
- [8] B. R. Krishna and M. S. Varma, "Enhancing User-Level Security: Performance Analysis of Machine Learning Algorithms for Dynamic Keystroke Analysis," *J Theor Appl Inf Technol*, vol. 101, no. 13, pp. 5313–5323, 2023, [Online]. Available: <http://www.jatit.org>
- [9] S. Suyanto, P. E. Yunanto, T. Wahyuningrum, and S. Khomsah, "A multi-voter multi-commission nearest neighbor classifier," *Journal of King Saud University - Computer and Information Sciences*, vol. 34, no. 8, Part B, pp. 6292–6302, 2022, doi: <https://doi.org/10.1016/j.jksuci.2022.01.018>.
- [10] S. Zhang, "Challenges in KNN Classification," *IEEE Trans Knowl Data Eng*, vol. 34, no. 10, pp. 4663–4675, Oct. 2022, doi: 10.1109/TKDE.2021.3049250.
- [11] Y. Muliono, H. Ham, and D. Darmawan, "Keystroke Dynamic Classification using Machine Learning for Password Authorization,"

- Procedia Comput Sci*, vol. 135, pp. 564–569, 2018, doi: <https://doi.org/10.1016/j.procs.2018.08.209>.
- [12] S. Simske, “Dynamic biometrics: The case for a real-time solution to the problem of access control, privacy and security,” in *2009 1st IEEE International Conference on Biometrics, Identity and Security, BIDS 2009*, Jan. 2009, pp. 1–10. doi: 10.1109/BIDS.2009.5507535.
- [13] J. Kim and P. Kang, “Freely typed keystroke dynamics-based user authentication for mobile devices based on heterogeneous features,” *Pattern Recognit*, vol. 108, p. 107556, 2020, doi: <https://doi.org/10.1016/j.patcog.2020.107556>.
- [14] S. Uellenbeck, M. Dürmuth, C. Wolf, and T. Holz, “Quantifying the security of graphical passwords: The case of Android unlock patterns,” in *Proceedings of the ACM Conference on Computer and Communications Security*, Jan. 2013, pp. 161–172. doi: 10.1145/2508859.2516700.
- [15] S. Rane, Y. Wang, S. C. Draper, and P. Ishwar, “Secure Biometrics: Concepts, Authentication Architectures, and Challenges,” *IEEE Signal Process Mag*, vol. 30, no. 5, pp. 51–64, Sep. 2013, doi: 10.1109/msp.2013.2261691.
- [16] S. Dadakhanov, “Analyze and Development System with Multiple Biometric Identification,” 2020. [Online]. Available: <https://arxiv.org/abs/2004.04911>
- [17] B. Ducray, S. Cobourne, K. Mayes, and K. Markantonakis, “Comparison of dynamic biometric security characteristics against other biometrics,” Jan. 2017, pp. 1–7. doi: 10.1109/ICC.2017.7996938.
- [18] P. S. Teh, A. B. J. Teoh, and S. Yue, “A survey of keystroke dynamics biometrics,” *ScientificWorldJournal*, vol. 2013, p. 408280, 2013, doi: 10.1155/2013/408280.
- [19] I. M. Al Anshori, *Evaluasi User-Adaptive Fitur dalam Keystroke Biometric menggunakan Beragam Metode Distance Similarity*. Bandung, Indonesia: Universitas Telkom, 2023.
- [20] H. A. Boz, M. Gürkan, and B. Yanıkoğlu, “Keystroke Dynamics Based Biometric Identification,” in *2020 28th Signal Processing and Communications Applications Conference (SIU)*, Oct. 2020, pp. 1–4. doi: 10.1109/SIU49456.2020.9302273.
- [21] R. A. C. P. Hutomo, *Multimodal Biometrik pada Keystroke User-Adaptive Feature dan Mahalanobis Distance*. Katalog: Skripsi (S1), 2023.
- [22] J. Kim, H. Kim, and P. Kang, “Keystroke dynamics-based user authentication using freely typed text based on user-adaptive feature extraction and novelty detection,” *Appl Soft Comput*, vol. 62, pp. 1077–1087, 2018, doi: <https://doi.org/10.1016/j.asoc.2017.09.045>.

- [23] D. J. Hand, P. Christen, and N. Kirielle, "F*: An Interpretable Transformation of the F-measure," 2021. [Online]. Available: <https://arxiv.org/abs/2008.00103>
- [24] P. Christen, D. J. Hand, and N. Kirielle, "A Review of the F-Measure: Its History, Properties, Criticism, and Alternatives," *ACM Comput. Surv.*, vol. 56, no. 3, Oct. 2023, doi: 10.1145/3606367.
- [25] P. Yunanto and A. Barmawi, "Bimodal Keystroke Dynamics-Based Authentication for Mobile Application Using Anagram," *Jurnal Ilmu Komputer dan Informasi*, vol. 15, pp. 81–91, Jan. 2022, doi: 10.21609/jiki.v15i2.1015.