

REFERENSI

- [1] Istiqomah, A. Rizal, and R. D. Atmaja, "Individual Recognition Based on Gait Using Multi-Distance Signal Level Difference Sample Entropy," *Ingénierie des systèmes d'information*, vol. 28, no. 2, pp. 469–474, Apr. 2023, doi: 10.18280/isi.280223.
- [2] Y. Wahab and N. A. Bakar, "Gait analysis measurement for sport application based on ultrasonic system," in *2011 IEEE 15th International Symposium on Consumer Electronics (ISCE)*, IEEE, Jun. 2011, pp. 20–24. doi: 10.1109/ISCE.2011.5973775.
- [3] A. Brusch, N. Nguyen, D. Schurmann, S. Sigg, and L. Wolf, "Security Properties of Gait for Mobile Device Pairing," *IEEE Trans Mob Comput*, vol. 19, no. 3, pp. 697–710, Mar. 2020, doi: 10.1109/TMC.2019.2897933.
- [4] Y. Sun, C. Wong, G.-Z. Yang, and B. Lo, "Secure key generation using gait features for Body Sensor Networks," in *2017 IEEE 14th International Conference on Wearable and Implantable Body Sensor Networks (BSN)*, IEEE, May 2017, pp. 206–210. doi: 10.1109/BSN.2017.7936042.
- [5] M. Muaaz and R. Mayrhofer, "Smartphone-Based Gait Recognition: From Authentication to Imitation," *IEEE Trans Mob Comput*, vol. 16, no. 11, pp. 3209–3221, Nov. 2017, doi: 10.1109/TMC.2017.2686855.
- [6] L. di Biase *et al.*, "Gait Analysis in Parkinson's Disease: An Overview of the Most Accurate Markers for Diagnosis and Symptoms Monitoring," *Sensors*, vol. 20, no. 12, p. 3529, Jun. 2020, doi: 10.3390/s20123529.
- [7] J. Kamruzzaman and R. K. Begg, "Support Vector Machines and Other Pattern Recognition Approaches to the Diagnosis of Cerebral Palsy Gait," *IEEE Trans Biomed Eng*, vol. 53, no. 12, pp. 2479–2490, Dec. 2006, doi: 10.1109/TBME.2006.883697.
- [8] M. Alaqtash, H. Yu, R. Brower, A. Abdelgawad, and T. Sarkodie-Gyan, "Application of wearable sensors for human gait analysis using fuzzy computational algorithm," *Eng Appl Artif Intell*, vol. 24, no. 6, pp. 1018–1025, Sep. 2011, doi: 10.1016/j.engappai.2011.04.010.
- [9] C. BenAbdelkader, R. G. Cutler, and L. S. Davis, "Gait Recognition Using Image Self-Similarity," *EURASIP J Adv Signal Process*, vol. 2004, no. 4, p. 721765, Dec. 2004, doi: 10.1155/S1110865704309236.

- [10] Y. Su, Y. Li, and Z. Cao, "Gait-Based Privacy Protection for Smart Wearable Devices," *IEEE Internet Things J*, vol. 11, no. 2, pp. 3497–3509, Jan. 2024, doi: 10.1109/JIOT.2023.3296650.
- [11] G. Revadigar, C. Javali, W. Xu, A. V. Vasilakos, W. Hu, and S. Jha, "Accelerometer and Fuzzy Vault-Based Secure Group Key Generation and Sharing Protocol for Smart Wearables," *IEEE Transactions on Information Forensics and Security*, vol. 12, no. 10, pp. 2467–2482, Oct. 2017, doi: 10.1109/TIFS.2017.2708690.
- [12] J. Taborri, S. Rossi, E. Palermo, F. Patanè, and P. Cappa, "A Novel HMM Distributed Classifier for the Detection of Gait Phases by Means of a Wearable Inertial Sensor Network," *Sensors*, vol. 14, no. 9, pp. 16212–16234, Sep. 2014, doi: 10.3390/s140916212.
- [13] Y. C. Han, K. I. Wong, and I. Murray, "Gait Phase Detection for Normal and Abnormal Gaits Using IMU," *IEEE Sens J*, vol. 19, no. 9, pp. 3439–3448, May 2019, doi: 10.1109/JSEN.2019.2894143.
- [14] V. Rani and M. Kumar, "Human gait recognition: A systematic review," *Multimed Tools Appl*, vol. 82, no. 24, pp. 37003–37037, Oct. 2023, doi: 10.1007/s11042-023-15079-5.
- [15] A. K. Jain, A. Ross, and S. Pankanti, "Biometrics: A Tool for Information Security," *IEEE Transactions on Information Forensics and Security*, vol. 1, no. 2, pp. 125–143, Jun. 2006, doi: 10.1109/TIFS.2006.873653.
- [16] R. D. Findling and R. Mayrhofer, "Towards face unlock: on the difficulty of reliably detecting faces on mobile phones," in *Proceedings of the 10th International Conference on Advances in Mobile Computing & Multimedia - MoMM '12*, New York, New York, USA: ACM Press, 2012, p. 275. doi: 10.1145/2428955.2429008.
- [17] D. Tedaldi, A. Pretto, and E. Menegatti, "A robust and easy to implement method for IMU calibration without external equipments," in *2014 IEEE International Conference on Robotics and Automation (ICRA)*, IEEE, May 2014, pp. 3042–3049. doi: 10.1109/ICRA.2014.6907297.
- [18] T. Van hamme, E. A. Rua, D. Preuveneers, and W. Joosen, "On the Security of Biometrics and Fuzzy Commitment Cryptosystems: A Study on Gait Authentication," *IEEE Transactions on Information Forensics and Security*, vol. 16, pp. 5211–5224, 2021, doi: 10.1109/TIFS.2021.3124735.

- [19] Y. Liu *et al.*, “Topological Data Analysis for Robust Gait Biometrics Based on Wearable Sensors,” *IEEE Transactions on Consumer Electronics*, vol. 70, no. 2, pp. 4910–4921, May 2024, doi: 10.1109/TCE.2024.3396177.
- [20] H. Chunsheng, W. De, Z. Huidong, and L. Guoli, “Human Gait Feature Data Analysis and Person Identification Based on IMU,” in *2020 IEEE International Conference on Artificial Intelligence and Computer Applications (ICAICA)*, IEEE, Jun. 2020, pp. 437–442. doi: 10.1109/ICAICA50127.2020.9182691.
- [21] H. Musoff and P. Zarchan, *Fundamentals of Kalman Filtering: A Practical Approach, Third Edition*. Reston, VA: American Institute of Aeronautics and Astronautics, 2009. doi: 10.2514/4.867200.
- [22] Christopher M. Bishop, “Pattern Recognition and Machine Learning,” *J Electron Imaging*, vol. 16, no. 4, p. 049901, Jan. 2007, doi: 10.1117/1.2819119.