Daftar Pustaka

Adani, F. and Salsabil, S. (2019), 'Internet of things: Sejarah teknologi dan penerapannya', *Jurnal Online Sekolah Tinggi Teknologi Mandala* **14**(2), 92–99.

Alexan, A. A., Alexan, A. and Oniga, S. (2020), 'Multi-resident location detecting in smart home', *Conference on Information Technology and Data Science* **2874**(3), 32–38.

Alfazri, A. M., Zuraiyah, T. A. and Negara, T. P. (2014), 'Prototipe sistem pintu otomatis keamanan ruangan menggunakan sensor pir dan sensor limit swicth berbasis mikrokontroller', *Jurnal Online Mahasiswa (JOM) Bidang Ilmu Komputer/Informatika* **3**(3).

Ali, A., Samara, W., Alhaddad, D., Ware, A. and Saraereh, O. A. (2022), 'Human activity and motion pattern recognition within indoor environment using convolutional neural networks clustering and naive bayes classification algorithms', *Sensors* **22**(3), 1016.

Amrutkar, A., Mistari, S., Thambave, K. and Pandhare, R. (EasyChair, 2020), 'Home security using iot and machine learning', EasyChair Preprint no. 3212.

Anwar, N., Tjahjono, B., Tarigan, M., Rosian, D. A., Widiyasono, N. and Hermawan, R. (2021), 'Peringatan otomatis pada internet of things sistem deteksi smart motion', *Generation Journal* **5**(1), 19–25.

Arslan, E. (2021), 'Developing internet of things and machine learning based bi-directional people counting system with passive infrared sensors', *TalTech* .

Charoenporn, T., Sunate, T., Pianprasit, P., Kesphanich, S., Bunpeng, A. and On-uean, A. (2016), Selection model for communication performance of the bus tracking system, *in* '2016 International Computer Science and Engineering Conference (ICSEC)', IEEE, pp. 1–5.

Chauhan, A. (2021), 'Ensemble methods — bagging, boosting, and stacking'. Diakses pada: 20-01-2022.

URL: *https://medium.com/analytics- vidhya/ensemble-methods-bagging-boosting-and-stacking-28d006708731*

Dey, A. (2016), Machine learning algorithms : A review.

Fahmi, A., Finawan, A. and Muhaimin, M. (2019), 'Rancang bangun sistem pengendali rumah cerdas dengan informasi umpan balik berbasis internet of things', *Jurnal Tektro* **3**(1).

Fang, L., Wu, Y., Wu, C. and Yu, Y. (2020), 'A nonintrusive elderly home monitoring system', *IEEE Internet of Things Journal* **8**(4), 2603–2614.

Fujiwara, M., Kashimoto, Y., Fujimoto, M., Suwa, H., Arakawa, Y. and Yasumoto, K. (2017), 'Implementation and evaluation of analog-pir-sensor-based activity recognition', *SICE Journal of Control, Measurement, and System Integration* **10**(5), 385–392.

Gami, H. and Abrishambaf, R. (2019), Design of a cost-effective wireless sensor network for energy and resource optimization, *in* '2019 ASEE Zone I Conference & Workshop'.

Gochoo, M., Tan, T.-H., Velusamy, V., Liu, S.-H., Bayanduuren, D. and Huang, S.-C. (2017), 'Device-free non-privacy invasive classification of elderly travel patterns in a smart house using pir sensors and dcnn', *IEEE Sensors Journal* **18**(1), 390–400.

Gupta, P., McClatchey, R. and Caleb-Solly, P. (2020), 'Tracking changes in user activity from unlabelled smart home sensor data using unsupervised learning methods', *Neural Computing and Applications* **32**(16), 12351–12362.

IBM (2020), 'Machine learning'. Diakses pada: 10-11-2022.
URL: *https://www.ibm.com/cloud/learn/machine-learning*

Instruments, T. (2017), 'Advanced motion detector using pir sensors reference design for false trigger avoidance', *TI Designs: TIDA-01069* .

Khodabandehloo, E. and Riboni, D. (2020), 'Collaborative trajectory mining in smart-homes to support early diagnosis of cognitive decline', *IEEE Transactions on Emerging Topics in Computing* **9**(3), 1194–1205.

Lutins, E. (2019), 'Ensemble methods in machine learning: What are they and why use them?'. Diakses pada: 05-01-2023.
URL: *https://towardsdatascience.com/ensemble-methods-in- machine-learning-what-are-they-and-why-use-them-68ec3f9fef5f*

Masykur, F. and Prasetiyowati, F. (2016), 'Aplikasi rumah pintar (smart home) pengendali peralatan elektronik rumah tangga berbasis web', *J. Teknol. Inf. dan Ilmu Komput* **3**(1), 51–58.

Nazir, S., Poorun, Y. and Kaleem, M. (2021), Person detection with deep learning and iot for smart home security on amazon cloud, *in* '2021 International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)', IEEE, pp. 1–6.

Putra, J. W. G. (2020), *Pengenalan Konsep Pembelajaran Mesin dan Deep Learning.*

Rajenderana, S. V., Fei, K. et al. (2014), Real-time detection of suspicious human movement, *in* 'International Conference on Electrical Electronics Computer Engineering and their Applications', pp. 56–69.

Saputra, D., Masud, A. H., Ramdhan, M. and Fitriani, D. (2014), Akses kontrol ruangan menggunakan sensor sidik jari berbasis mikrokontroler atmega328p, *in* 'Seminar Nasional Teknologi Informasi dan Komunikasi', pp. 1–9.

Satriadi, A., Wahyudi, W. and Christyono, Y. (2019), 'Perancangan home automation berbasis nodemcu', *Transient: Jurnal Ilmiah Teknik Elektro* **8**(1), 64–71.

Surantha, N. and Wicaksono, W. R. (2018), 'Design of smart home security system using object recognition and pir sensor', *Procedia computer science* **135**, 465–472.

Taiwo, O. and Ezugwu, A. E. (2021), 'Internet of things-based intelligent smart home control system', *Security and Communication Networks* **2021**.

Taiwo, O., Ezugwu, A. E., Oyelade, O. N. and Almutairi, M. S. (2022), 'Enhanced intelligent smart home control and security system based on deep learning model', *Wireless Communications and Mobile Computing* **2022**.

Team, C. (2022), 'Ensemble methods'. Diakses pada: 05-01-2023.
URL: *https://corporatefinanceinstitute.com/resources/data-science/ensemble-methods/*

Trivusi (2022), 'Random forest: Pengertian dan kegunaannya'. Diakses pada: 23-01-2022.
URL: *https://www.trivusi.web.id/2022/08/algoritma-random-forest.html*

UNIKOM, M. L. (2011), 'Learning – basic concept'. Diakses pada: 23-01-2022.
URL: *https://repository.unikom.ac.id/67323/1/CV%20-%2011%20Supervised%20Learning.pdf*

Wahyu Andrianto, W. A. (2019), Sistem Pengontrolan Lampu Menggunakan Arduino Berbasis Android, PhD thesis, UNIVERSITAS ISLAM MAJAPAHIT MOJOKERTO.

Yun, J. and Song, M.-H. (2014), 'Detecting direction of movement using pyroelectric infrared sensors', *IEEE Sensors Journal* **14**(5), 1482–1489.

Yun, J. and Woo, J. (2019), 'A comparative analysis of deep learning and machine learning on detecting movement directions using pir sensors', *IEEE Internet of Things Journal* **7**(4), 2855–2868.

Yurmama, T. F. (2009), *Perancangan software aplikasi pervasive smart home*, Islamic University of Indonesia.