DAFTAR PUSTAKA

[1] W. Kurniasih, A. Rakhman, and I. Salamah, “Sistem Keamanan Pintu dan Jendela Rumah Berbasis IoT,” Jurasik (Jurnal Ris. Sist. Inf. dan Tek. Inform., vol. 5, no. 2, p. 266, Jul. 2020, doi: 10.30645/jurasik.v5i2.212.

[2] A. D. Achmad, Z. Zainuddin, J. Toding, and R. Kalau, “Sistem keamanan perumahan berbasis mikrokontroler arduino uno,” J. Ilm. Techno Entrep. Acta, vol. 1, no. 1, pp. 1–8, 2016.

[3] D. Setiawan, H. Jaya, S. Nurarif, T. Syahputra, and M. Syahril, “Implementasi ESP32-CAM Dan BLYNK Pada WIFI Door Lock System Menggunakan Teknik Duplex,” J. Sci. Soc. Res., vol. 5, no. 1, p. 159, Feb. 2022, doi: 10.54314/jssr.v5i1.807

[4] R. Samsinar, G. Gatot Aditya, D. Almanda, F. Amrulloh, and A. Ilmar Ramdhan, "Sistem Pendeteksi Kurir Menggunakan Smart Closed Circuit Television (CCTV) Berbasis Internet Of Things (IoT) dengan Media Komunikasi Bot Telegram (Studi Kasus : Rumah Indekost)," vol. 6, no. 1.

[5] Peraturan Pemerintah No. 71 Tahun 2019 tentang Penyelenggaraan Sistem dan Transaksi Elektronik (PP PSTE).

[6] F. R. Doni, "Akses Kamera CCTV Dari Jarak Jauh untuk Monitoring Keamanan dengan Penerapan PSS," Evolusi: Jurnal Sains dan Manajemen, vol. 8, no. 1, 2020.

[7] S. Sudahnan, "Kewenangan Satpam Sebagai Tenaga Keamanan di Perusahaan," *Perspektif*, vol. XVI, no. 3, pp. 189-200, 2011.

[8] M. Qunaevi, S. Waluyo, F. Waluyo, dan I. Susanti, "Sistem Kontrol Pengamanan Pintu Pada Rumah Menggunakan Fingerprint FM10A dan Wemos D1 dengan Notifikasi Telegram Messenger," *Jurnal Ilmu Komputer dan Informatika*, vol. 3, no. 1, pp. 1-10, 2021.

[9] W. A. Syakur, A. A. Prasetyo, dan M. Jauhari, "Rancang Bangun Alat Keamanan Anti Maling dengan Konsep IoT di Perumahan," *Jurnal Techno Bahari*, vol. 10, no. 1, pp. 18-23, Maret 2022.

[10] W. N. Cholifah, Yulianingsih, dan S. M. Sagita, "Pengujian Black Box Testing Pada Aplikasi Action & Strategy Berbasis Android Dengan Teknologi Phonegap," Jurnal STRING (Satuan Tulisan Riset dan Inovasi Teknologi), vol. 3, no. 2, pp. 206-210, 2018.

[11] D. Handayani, R. Anggraini, dan D. Irawan, "Alat Pemantau Keamanan Rumah Berbasis ESP32-CAM," *Jurnal Teknologi dan Sistem Informasi*, vol. 7, no. 2, pp. 50-60, 2020.

[12] B. Santoso dan A. Wijaya, "Rancangan Motion Detector dengan Sensor PIR (Passive Infrared)," *Jurnal Ilmiah Aviasi*, vol. 5, no. 2, pp. 75-85, 2019.

[13] A. Rudiyanto dan I. Saputra, "Rancang Bangun Sistem Keamanan Rumah Berbasis Internet of Things (IoT) dengan Menggunakan Sensor PIR dan ESP32-Cam," *Jurnal Teknologi Informasi*, vol. 12, no. 3, pp. 45-55, 2023.

[14] A. P. S. Darmawan, "Sensor Ultrasonik sebagai Sensor Jarak," *Jurnal Tera*, vol. 6, no. 1, pp. 23-30, 2023.

[15] A. R. F. Suryanto, "Motion Detection Using Microwave Radar Sensor," *Papers SSRN*, vol. 1, no. 1, pp. 12-18, 2023.

[16] S. F. Adriaenssens, G. Martijn, dan J. P. Catrysse, "Design and Implementation of ESP32-Based IoT Devices," *Sensors*, vol. 23, no. 15, pp. 6739, 2023.

[17] A. S. de Oliveira, R. C. de Almeida, dan F. M. Q. Pereira, "Performance Evaluation of C/C++, MicroPython, Rust and TinyGo Programming Languages on ESP32 Microcontroller," *Electronics*, vol. 12, no. 1, pp. 143, 2023.

[18] R. Komarudin dan H. Setyawan, "Pemanfaatan UML (Unified Modeling Language) dalam Perencanaan Sistem Informasi," Jurnal Komunika, vol. 7, no. 2, pp. 35-45, 2020.

[19] L. Setiyani, "Desain Sistem: Use Case Diagram," Prosiding Seminar Nasional Inovasi dan Adopsi Teknologi (INOTEK), vol. 1, no. 1, pp. 45-55, 2021.

[20] D. I. Andhika, "Rancang Bangun Sistem Penerimaan Dokumen pada PT. Reasuransi Indonesia Utama," Jurnal Informatika dan Teknologi Komputer, vol. 2, no. 2, pp. 225-250, 2022.

[21] A. M. Ahmed, M. A. Badawy, and E. F. Badran, “Comparison of cloud-computing providers for deployment of object-detection deep learning models,” Applied Sciences, vol. 13, no. 23, pp. 12577, 2023.

[22] T. Taufiqurrahman, A. P. Hadi, dan R. E. Siregar, “Evaluasi performa YOLOv8 dalam deteksi objek di depan kendaraan dengan variasi kondisi lingkungan,” Jurnal Minfo Polgan, vol. 13, no. 2, pp. 1755–1773, 2024.

[23] E. Poerwandono dan G. Q. Barronzoeputra, “Implementasi algoritma YOLOv8 untuk mendeteksi pelanggaran lalu lintas berupa tidak menggunakan helm (studi kasus

di Jatiasih, Bekasi),” Jurnal Indonesia: Manajemen Informatika dan Komunikasi, vol. 5, no. 3, pp. 3237–3247, 2024.

[24] A. Hidayat dan D. Prabowo, "Implementation of Virtual Private Server (VPS) Using Digital Ocean Cloud Server on BMT. Mentari East Lampung," *JTKSI (Jurnal Teknologi Komputer dan Sistem Informasi)*, vol. 5, no. 2, pp. 45–50, 2021.

[25] Ilhamsyah, H. Y., “Analisis kelebihan serta kekurangan Ubuntu dan Debian sebagai jenis distribusi Linux yang sering digunakan,” Jurnal Teknologi Informasi dan Komunikasi, vol. 10, no. 1, pp. 45–52, 2024.

[26] Sari, N. P., dan M. H. Santoso, “Implementasi YOLOv7 untuk deteksi orang dalam pengawasan area publik berbasis Internet of Things,” Jurnal Teknologi Komputer, vol. 8, no. 3, pp. 201–210, 2023.

[27] Hartono, D., dan F. A. Ramadhan, “Sistem deteksi orang berbasis YOLO untuk monitoring kerumunan pada acara publik,” Jurnal Sistem Informasi Indonesia, vol. 7, no. 4, pp. 321–330, 2022

[28] C. F. M. Saputra and W. Sulistyo, “Alat Keamanan Depan Rumah Berbasis Internet of Things (IoT) Menggunakan ESP32-CAM yang Terintegrasi dengan Face Detection dan Telegram,” Jurnal JTIK (Jurnal Teknologi Informasi dan Komunikasi), vol. 8, no. 1, pp. 179–187, 2024.

[29] kB. Kurniawan and H. T. Saputra, “Telegram Implementation on Security and Monitoring of Home Door Keys Based on Wemos and Internet of Things,” Journal of Applied Engineering and Technological Science, vol. 4, no. 1, pp. 244–250, 2022.

[30] F. D. Makatita and N. F. A. Hakim, “MQTT Protocol-Based ESP-32 Smarthome with Multi-sensor Recognition,” Journal of Electrical, Electronic, Information, and Communication Technology (JEEICT), vol. 6, no. 1, pp. 29–36, 2024.

[31] N. Afiyat, R. H. Navilla, and M. Hariyadi, “IoT-Based Infusion Fluid Monitoring System Using the MQTT Protocol,” Jurnal Nasional Teknik Elektro dan Teknologi Informasi, vol. 12, no. 1, pp. EN-51–EN-55, 2023.
[6] H. Kurniawan and S. Hariyanto, “Designing Home Security with ESP32-CAM and IoT-Based Alarm Notification Using Telegram,” BuDhiTech (bit-Tech), vol. 6, no. 2, pp. 96–102, 2023.

[32] D. Hindarto, “Exploring YOLOv8 Pretrain for Real-Time Detection of Indonesian Native Fish Species,” Sinkron: Jurnal dan Penelitian Teknik Informatika, vol. 7, no. 4, pp. 2776–2785, 2023.

[8] A. Setiyadi and E. Utami, “Analisa YOLOv8 Dalam Deteksi Objek Manusia,” Jurnal Sains Komputer & Informatika (J-SAKTI), vol. 7, no. 2, pp. 891–901, 2023.

[33] F. A. Saputra and J. C. Chandra, “Prototipe Sistem Keamanan Ruang Server Otomatis Menggunakan ESP32CAM dan Algoritma You Only Look Once (YOLO),” Jurnal Ticom: Technology of Information and Communication, vol. 11, no. 1, pp. 62–67, 2022.

[34] A. W. Adi and F. Kurniawan, “Implementasi Keamanan Ruangan Berbasis IoT dengan Sensor PIR, Telegram, dan Peringatan Suara,” Jurnal JACOST (Jurnal Ilmu Komputer dan Teknologi Informasi), vol. 5, no. 2, pp. 61–67, 2024.

[35] H. Zrioual, I. T. Adewale, dan C. B. Eddine, “Remote Environmental Monitoring System Using DHT11,” International Journal of Innovative Science and Research Technology, vol. 9, no. 11, pp. 386-391, 2024.

[36] A. S. Rahman, M. R. Islam, dan M. T. Rahman, “Evaluating HTTP, MQTT over TCP and MQTT over WebSocket for Real-Time IoT Applications Using ESP32 and DHT22 Sensor,” International Journal of Innovative Research and Scientific Studies, vol. 8, no. 1, pp. 679-694, 2022.

[37] M. Netinant, P. Netinant, et al., “Automated Light System in Smart Home for Elderly and Disabled People,” vol. 10, no. 3, pp. 117–130, 2023.

[38] A. Setiawan dan A. I. Purnamasari, “Pengembangan Passive Infrared Sensor (PIR) HC-SR501 dengan Microcontrollers ESP32-CAM Berbasiskan Internet of Things (IoT) dan Smart Home sebagai Deteksi Gerak untuk Keamanan Perumahan,” *Prosiding Seminar Nasional SISFOTEK*, vol. 3, no. 1, pp. 148–154, 2019.

[39] A. Herwandi, A. A. Ramadhan, N. T. Sunggono, dan F. Ferawati, “Analisis Kinerja ESP32-CAM Dalam Mendeteksi Objek,” bit-Tech, vol. 7, no. 3, Apr 2025.

[40] K. Sonklin dan C. Sonklin, “A Performance Evaluation of the Internet of Things-Message Queue Telemetry Transport Protocol Based Water Level Warning System,” Int. J. Elect. Comput. Eng., vol. 14, no. 6, hlm. 7178–7185, Des 2024.

[41] A. Y. Ahmad, T. S. Gunawan, H. Mansor, B. A. Hamida, dan A. F. Arifin, “On the Evaluation of DHT22 Temperature Sensor for IoT Application,” in *Proceedings of the 8th International Conference on Computer and Communication Engineering (ICCCE)*, Jun. 2021, pp. 131–134.

[42] M. A. S. M. Dzahir dan K. S. Chia, “Evaluating the Energy Consumption of ESP32 Microcontroller for Real-Time MQTT IoT-Based Monitoring System,” in *2023

International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT)*, 2023, pp. 255–261.

[43] F. Gül dan H. Eroğlu, “Low-Cost IoT Mesh Network for Real-Time Indoor Air Quality Monitoring,” in *Proceedings of the 9th International Conference on Communication and Electronics Systems (ICCES)*, 2024, pp. 502–507.

[44] D. Yacchirema dan C. Palau, “Internet of Things Interoperability: A Smart IoT Gateway Approach,” in *Iberian Conference on Information Systems and Technologies (CISTI)*, Jun. 2023.

[45] A. M. Simamora, A. Denih, dan M. I. Suriansyah, “Indoor Air Quality Detection Robot Model Based on the Internet of Things (IoT),” *arXiv preprint* arXiv:2505.19600, May 26, 2025.

[46] “A Study on MQTT for Atmospheric Condition Monitoring,” *Journal of Information Systems and Environmental Monitoring*, 2024.

[47] A. S. Rahman, M. R. Islam, dan M. T. Rahman, “Evaluating HTTP, MQTT over TCP and MQTT over WebSocket for Real-Time IoT Applications Using ESP32 and DHT22 Sensor,” *International Journal of Innovative Research in Scientific Studies (IJIRSS)*, vol. 8, no. 1, pp. 679–694, 2022.

[48] . S. Rahman, M. R. Islam, dan M. T. Rahman, “Evaluating HTTP, MQTT over TCP and MQTT over WEBSOCKET for Digital Twin Applications: A Comparative Analysis on Latency, Stability, and Integration,” *International Journal of Innovative Research in Scientific Studies (IJIRSS)*, vol. 8, no. 1, pp. 679–694, 2025.

[49] “An Ultimate Guide to MQTT IoT Project and Applications,” *PCBONLINE Blog*, Dec. 11, 2024.