

DAFTAR PUSTAKA

- Aslan, Ömer, S. S. Aktuğ, M. O. Okay, A. A. Yilmaz, and E. Akin, "A Comprehensive Review of Cyber Security Vulnerabilities, Threats, Attacks, and Solutions", *Electronics*, vol. 12, no. 6, pp. 01-42, 2023. doi: 10.3390/electronics12061333.
- A. A. Najib, R. Munadi, and N. B. A. Karna, "Security System With RFID Control Using E-KTP And Internet Of Things", *Bulletin of Electrical Engineering and Informatics*, vol. 10, no. 3, pp. 1436-1445, 2021. doi: 10.11591/eei.v10i3.2834.
- A. A. Zainuddin, "Innovative IoT Smart Lock System: Enhancing Security with Fingerprint and RFID Technology", *Malaysian Journal of Science and Advanced Technology*, vol. 4, no. 4, pp. 360–365, 2024. doi: 10.56532/mjsat.v4i4.335.
- A. Y. Nisa, and M. Bozdemir, "Conceptual Design Process of a Missile Model and Production Using Additive Manufacturing Method", *Defence Science Journal*, Vol. 74, Iss. 5, pp. 734-742. doi: 10.14429/dsj.74.19512.
- A. Taslim, Hazeem, M. Lazam, N. Azlinah, M. Yahya, and N. Akmar, "Development Of Smart Home Door Lock System", *Springer International Publishing*, vol. 1350, pp. 118-126, 2021. doi: 10.1007/978-3-030-70917-4_13.
- Badan Pusat Statistik. 2021. STATISTIK KRIMINAL 2021. Penerbit: Badan Pusat Statistik, Pencetak: Badan Pusat Statistik.

- B. Darmanin, A. Bonello, and E. Francalanza, "A Systematic Design Approach for Cognitively Ergonomic Collaborative Robotic Workspaces", *Procedia CIRP*, Volume 130, pp. 853-860, 2024. doi: 10.1016/j.procir.2024.10.175.
- D. N. Salim, M. A. Pujisusilo, and S. P. Manik, "Sistem Keamanan Smart Door Lock Menggunakan E-KTP (Elektronik Kartu Tanda Penduduk) Berbasis Internet Of Things (Iot)", *Gema Teknologi*, vol. 27, no. 2, pp. 83-91, 2021. doi: 10.36309/goi.v27i2.157.
- Evander Jason, Andjarwirawan Justinus, Lim Resmana. 2022. "Implementasi *Internet of Things* Untuk Pembuatan *Keyless Smart Door* Dengan NFC Tag Dan *QRCode*". *Jurnal Program Studi Informatika, Fakultas Teknologi Industri, Universitas Kristen Petra*.
- Fernando Erick, dkk. 2019. "Karakteristik Kelayakan Teknologi RFID sebagai Kebutuhan Bisnis pada Perusahaan Logistik di Indonesia". *Jurnal Sistem Komputer dan Kecerdasan Buatan Vol II No 2*.
- Firdaus Ilham Muhammad, Bambang Undiana. 2021. "Perancangan Mesin Perebah Sapi Semi Otomatis Kapasitas 500 Kg Pada Proses Penyembelihan Sapi". *Jurnal Prosiding The 12th Industrial Research Workshop and National Seminar. Jurusan Teknik Mesin, Politeknik Negeri Bandung, Bandung*.
- F. Koppenhagen, T. Blümel, T. Held, C. H. Wecht, and P. D. Kollmer, "Hybrid Development Of Physical Products Based On Systems Engineering And Design Thinking: Towards A New Process Model", *Journal of Design Research*, vol. 21, no. 3-4, pp. 210-261, 2025. doi: 10.1504/JDR.2024.143686.

- Geo Fillial Agiv Winagi, Triuli Novianti. 2019. "Rancang Bangun Pintu Otomatis dengan Menggunakan RFID". Jurnal Teknik Elektro Dan Komputer Triac Vol 6 No 1. ISSN 2615-5788 Print (2615-7764). Program Studi D3 Teknik Komputer UMSurabaya Surabaya, Indonesia.
- Ginting Rosnani. 2010. Perancangan produk. Penerbit Graha Ilmu. Yogyakarta.
- H. Gadupu, O. Mokharji, R. Kankaria, S. Kumar, and K. Jayavel, "ACCESS – IoT enabled smart lock", International Journal of Reconfigurable and Embedded Systems (IJRES), vol. 10, no. 3, pp. 176–185, 2021. doi: 10.11591/ijres.v10.i3.pp176-185.
- H. I. Unria, M. I. Hamdy, M. Yola, T. Nurainun, and A. Anwardi, "Design of a corn thresher and corn cob chopper using the Pahl & Beitz method", Jurnal Sains dan Teknologi, vol. 27, no. 2, pp. 203-212, 2024. doi: 10.18196/st.v27i2.23322.
- Ilmi Miftahul, Sewoyo Trihono, Murjito. 2021. "Rancang Bangun Permodelan Warning System Berat Muatan Truk Berbasis *Sensor Load Cell* dan *Internet of Things* (IoT)". *Journal of Energy, Mechanical, Material, and Manufacturing Engineering* (JEMMME) ISSN 2541-6332 e-ISSN 2548-4281. *Mechanical Engineering, Engineering Faculty, University of Muhammadiyah Malang Raya, East Java, Indonesia*.
- J. Guntur, S. S. Raju, T. Niranjana, S. K. Kilaru, R. Dronavalli, and N. S. Kumar, "IoT-Enhanced Smart Door Locking System with Security", SN Computer Science, vol. 4, no. 209, p. 01-05, 2023. doi: 10.1007/s42979-022-01641-9.

- J. W. Simatupang, and R. W. Tambunan, "Security Door Lock Using Multi-Sensor System Based on RFID, Fingerprint, and Keypad", International Conference on Green Energy, Computing and Sustainable Technology (GECOST), pp. 453-457, 2022. doi: 10.1109/GECOST55694.2022.10010367.
- Latif Nurdin Muhamad, dkk. 2022. "Rancang Bangun Alat Pengunci Pintu Tanpa Sentuh Berbasis Arduino sebagai Sarana Pencegahan Penularan Virus Corona (COVID-19)". Jurnal Rekayasa Mesin p-ISSN: 1411-6863, e-ISSN: 2540-7678 Vol 17, No 3, hal. 389-396. Jurusan Teknik Mesin, Universitas Sultan Ageng Tirtayasa, Cilegon, Banten.
- Lestari Fera, dkk. 2022. "Peningkatan Pengetahuan *Smart Home* dan Penerapan keamanan Pintu Otomatis". Jurnal COMSEP Pengabdian Kepada Masyarakat Vol 3 No 3, Hal. 280-285. Fakultas Teknik, Universitas Teknokrat Indonesia.
- Liandana Made, dkk. 2022. "Purwarupa *Smart Home* menggunakan MQTT Broker untuk Memonitor Kondisi Abnormal Perangkat Listrik". Jurnal EXPLORE Volume 12 No 1. Institut Teknologi dan Bisnis (ITB) STIKOM Bali.
- Lonika Tesa, Hariyanto Susanto. 2019. "Simulasi *Smart Door Lock* Berbasis *QR Code* Menggunakan Arduino Uno pada Penyewaan Apartemen Online". JURNAL ALGOR VOL 1 NO 1. Universitas Buddhi Dharma, Teknik Informatika, Banten, Indonesia.
- Mahesa Ath, dkk. 2019. "Sistem Keamanan Brankas Berbasis Kartu E-ktp". Jurnal Teknologi & Manajemen Informatika - Vol.5 No.1 2019. S1 Rekayasa Sistem Komputer, Perguruan Tinggi STMIK ASIA MALANG.

- M. I. Ahmed and G. Kannan, "Cloud-Based Remote RFID Authentication for Security of Smart Internet of Things Applications", *Journal of Information & Knowledge Management*, vol. 20, no.01, pp. 1-10, 2021. doi: 10.1142/S0219649221400049.
- M. I. Tawakal, and Y. Ramdhani, "Smart Lock Door Menggunakan Akses E-KTP Berbasis Internet Of Things", *Jurnal Responsif*, vol. 3, no. 1, pp. 83-91, 2021. doi: 10.51977/jti.v3i1.417.
- M. M. Shehata, "Designing smart products in the light of design thinking and the systematic design approach", *Journal of Design Sciences and Applied Arts*, vol. 5, no. 1, pp. 99-110, 2024. doi: 10.21608/jdsaa.2023.221509.1312.
- O. O. Trilian and R. B. Jakaria, "Perancangan Desain Produk Kursi Kuliah Menggunakan Metode *Pahl and Beitz*", *Innovative*, vol. 3, no. 2, p. 9, 2024. doi: 10.47134/innovative.v3i2.101.
- Priyatna M Ridho, Riyanto W A Ong. 2022. "PERANCANGAN *GATEWAY SIGN IKON SEKOLAH WIJAYA PUTRA DENGAN METODE QUALITY FUNCTION DEPLOYMENT*". *The Journal of System Engineering and Technological Innovation (JISTI)* ISSN: 2828-4003, Vol 01 No 01, pp. Program Studi Teknik Industri Universitas Wijaya Putra Jl. Raya Benowo No. 1-3 Surabaya, Jawa Timur, Indonesia.
- Puspabhuana Adam, Arliyanto D Y P. 2021. "RANCANG BANGUN PURWARUPA APLIKASI KENDALI LAMPU RUMAH (*SMART HOME*) BERBASIS IoT DAN ANDROID YANG TERKONEKSI

- DENGAN *FIREBASE*”. Jurnal Inkofar Volume 5 No 2. Program Studi Teknik Komputer Politeknik Meta Industri Cikarang.
- Rahmayanti Dina, dkk. 2018. PERANCANGAN PRODUK & APLIKASINYA. Diterbitkan oleh Lembaga Pengembangan Teknologi Informasi dan Komunikasi (LPTIK) Universitas Andalas. Cetakan : Pertama, Padang. ISBN : 987 – 602 – 5539 – 25 – 1.
- R. Ismail, H. C. Yee, K. Terh Jing, and M. W. M. Shafiei, “Preferences of Security Criteria in Low-Cost Housings among Malaysian Residents”, Int. J. Adv. Sci. Eng. Inf. Techno., vol. 13, no. 3, pp. 1170–1176, 2023. doi: 10.18517/ijaseit.13.3.16956.
- Riyan Hamdani, Heni Puspita, Dedy R Wildan. 2019. “PEMBUATAN SISTEM PENGAMANAN KENDARAAN BERMOTOR BERBASIS *RADIO FREQUENCY IDENTIFICATION* (RFID)”. INDEPT, Vol 8, No 2 Program Studi Elektro Fakultas Teknik Universitas Nurtanio Bandung.
- R. N. Pasaribu, N. A. Silviana, and N. Siregar, Susilawati, " Perancangan Cetakan Batu Bata Dengan Metode *Pahl And Beitz*", Jurnal Rekayasa Material, Manufaktur dan Energi, Vol. 8, No.1, pp. 01-05, 2025. doi: 10.30596/rmme.v8i1.17866.
- S. A. Prity, J. Afrose, and M. M. Hasan, " RFID Based Smart Door Lock Security System", American Journal of Sciences and Engineering Research, vol. 4, no. 3, pp. 162-168, 2021. Available at: <https://www.iarjournals.com/upload/43162168.pdf>

- S. Ganesan, B. Esakki, S. Mathiyazhagan, and V. Pandimuthu, "Design Conception And Evaluation Of An Unmanned Amphibious Aerial Vehicle Using Systematic Approach", *Aviation*, vol. 26, no. 1, pp. 41–53, 2022. doi: 10.3846/aviation.2022.16519
- S. Kaya, E. Aşkar Ayyildiz, and M. Ayyildiz, "Smart Door Lock Design with Internet of Things," *International Journal of 3D Printing Technologies and Digital Industry*, vol. 6, no. 2, pp. 201–206, 2022. doi: 10.46519/ij3dptdi.1074468.
- Taiwo, Olutosin, Ezugwu, E. Absalom, Oyelade, N. Olaide, Almutairi, and S.Mubarak, "Enhanced Intelligent Smart Home Control and Security System Based on Deep Learning Model", *Wireless Communications and Mobile Computing*, vol 9307961, pp. 1-22, 2022. doi: 10.1155/2022/9307961.
- Y. Motwani, S.Seth, D.Dixit, A. Bagubali, and R. Rajesh, "Multifactor Door Locking Systems: A Review", *Materials Today: Proceedings*, Volume 46, Part 17, 2021, pp. 7973-7979. doi: 10.1016/j.matpr.2021.02.708.
- Yudho Yudhanto, Abdul Azis. 2019. Pengantar Teknologi *Internet of Things* (IoT). Penerbitan dan percetakan UNS (UNS Press). Jalan ir. Sutami 36 a, Surakarta, Jawa Tengah, Indonesia, 57126. Cetakan1, edisi1.