

DAFTAR PUSTAKA

- [1] D. Nataliana, I. Syamsu, and G. Giantara, “Sistem Monitoring Parkir Mobil menggunakan Sensor Infrared berbasis RASPBERRY PI,” 2014.
- [2] A. N. M. Nasution, R. Munadi, and S. Sussi, “Design and Implementation of Smart Parking System Using Location-Based Service and Gamification Based On Internet Of Things,” *JURNAL INFOTEL*, vol. 13, no. 2, pp. 63–75, May 2021, doi: 10.20895/infotel.v13i2.654.
- [3] S. Bahri and D. Durbin Hutagalung, “Sistem Parkir Cerdas Berbasis Internet Of Things,” *OKTAL: Jurnal Ilmu Komputer dan Science*, 2023, [Online]. Available: <https://journal.mediapublikasi.id/index.php/oktal>
- [4] G. R. Koten *et al.*, “Penerapan internet of things pada smart parking system untuk kebutuhan pengembangan smart city,” *Jurnal Teknik Industri dan Manajemen Rekayasa*, vol. 1, no. 1, pp. 49–59, Jun. 2023, doi: 10.24002/jtimr.v1i1.7204.
- [5] Berrie Nugraha Adiwinata; Ire Puspa Wardhani, “Kolaborasi infrared remote dan Internet of Thing dalam memudahkan aktifitas sebagai bagian perspektif Human Computer Interaction,” *Jurnal Ilmiah Komputasi*, vol. 20, no. 3, Sep. 2021, doi: 10.32409/jikstik.20.3.2768.
- [6] C. Biyik *et al.*, “Smart parking systems: Reviewing the literature, architecture and ways forward,” *Smart Cities*, vol. 4, no. 2, pp. 623–642, Jun. 2021, doi: 10.3390/smartcities4020032.
- [7] Engel Manuel Punuh, “Rancang Bangun Sensor Parkir Kendaraan Roda Empat Berbasis Mikrokontroler Arduino Uno,” *ResearchGate*, 2020.
- [8] Neneng Piyani, Nur ubed, and Wahyudi, “KELEBIHAN SISTEM MONITORING PARKIR BERBASIS IOT DI TAHUN 2026,” 2024. [Online]. Available: <http://www.openjournal.unpam.ac.id/index.php/SNH>
- [9] D. Hernikawati, “PERBANDINGAN SOLUSI PARKIR KONVENSIONAL DENGAN SMART PARKING THE COMPARISON OF CONVENTIONAL PARKING SOLUTIONS WITH SMART PARKING,” *Jurnal Mediakom*.

- [10] H. P. Dito, F. Amaluddin, A. A. Suryanto, and S. Rachmawati, “Rancang Bangun Sistem Parkir Menggunakan Optical Character Recognition (OCR) Untuk Mendeteksi Plat Nomor Kendaraan Berbasis Arduino,” 2023.
- [11] H. Alwi Hasibuan, D. Kristyawati, and F. Syukriah, “Rancang Bangun Prototipe Monitoring Parkir Otomatis Menggunakan Sensor Infrared Berbasis Arduino Uno,” *Jurnal Ilmiah Indonesia*, vol. 7, no. 6, 2022, [Online]. Available: <https://pintarelektro.com/pengertian-arduino-uno/>
- [12] A. I. Pulungan, S. Sumarno, I. Gunawan, H. S. Tambunan, and A. R. Damanik, “Rancang Bangun Sistem Parkir dan Ketersediaan Slot Parkir Otomatis Menggunakan Arduino,” *Jurnal Ilmu Komputer dan Informatika*, vol. 2, no. 2, pp. 127–136, Jun. 2022, doi: 10.54082/jiki.33.
- [13] L. Pitriyanti, Y. Saragih, U. Latifa, and F. Teknik, “IMPLEMENTASI MODUL INFRARED PADA RANCANG BANGUN SMART DETECTION FOR QUEUE OTOMATIC BERBASIS IOT,” *Jurnal POLEKTRO: Jurnal Power Elektronik*, vol. 11, no. 2, 2022.
- [14] M. Syaifullah, “FISH PACKAGING COUNTING TOOL STOCK BASED ON ARDUINO UNO,” *JURNAL PERSEGI BULAT*, 2023.
- [15] M. M. Abd Kadir, M. N. Osman, N. A. Othman, and K. A. Sedek, “IoT based Car Parking Management System using IR Sensor,” *Journal of Computing Research and Innovation*, vol. 5, no. 2, pp. 75–84, Oct. 2020, doi: 10.24191/jcrinn.v5i2.151.
- [16] A. C. Zhang and Y. H. Lo, “Non-Invasive Blood Flow Speed Measurement Using Optics,” *Sensors*, vol. 22, no. 3, Feb. 2022, doi: 10.3390/s22030897.
- [17] Andi Kurniawan and Rina Puspita Sari, “Pengembangan Sistem Parkir Pintar Berbasis IoT Menggunakan ESP32, Sensor Ultrasonik HC-SR04, dan OLED Display,” *Journal of IoT Applications and Engineering Systems*, vol. 5, 2020.
- [18] A. Purbo Wiseso, D. Irawan, and R. Puji Astutik, “RANCANG BANGUN SISTEM INFORMASI KETERSEDIAAN SLOT PARKIR DALAM MALL,” *MDPI*.
- [19] Y. T. Utami and Y. Rahmanto, “RANCANG BANGUN SISTEM PINTU PARKIR OTOMATIS BERBASIS ARDUINO DAN RFID,” 2021.

- [20] T. Ott, M. Schossig, V. Norkus, and G. Gerlach, "Efficient thermal infrared emitter with high radiant power," *Journal of Sensors and Sensor Systems*, vol. 4, no. 2, pp. 313–319, Nov. 2015, doi: 10.5194/jsss-4-313-2015.
- [21] I. C.I., I. T. S., and O. M.N., "Characterisation Free Space Path Loss: Sub-6ghz and Millimetre Wave Frequency," *International Journal of Current Science Research and Review*, vol. 07, no. 07, Jul. 2024, doi: 10.47191/ijcsrr/V7-i7-79.
- [22] P. Quincey, "Solid angles in perspective," *Phys Educ*, vol. 55, no. 5, Sep. 2020, doi: 10.1088/1361-6552/ab9323.
- [23] N. S. Kamel and V. Jeotl, "A linear prediction based estimation of signal-to-noise ratio in AWGN channel," *ETRI Journal*, vol. 29, no. 5, pp. 607–613, 2007, doi: 10.4218/etrij.07.0107.0012.
- [24] Karthik T, "Design and Fabrication of Multiple Mode Steering System for Cars." [Online]. Available: www.ijert.org
- [25] M. Shivling, G. Swami, M. Rohan, V. Mahajan, and S. Mali, "INTEGRATING INFRARED WITH LI-FI FOR DATA TRANSMISSION," *www.irjmets.com @International Research Journal of Modernization in Engineering*, vol. 3155, doi: 10.56726/IRJMETSS59325.
- [26] N. S. Amir and A. A. Shafie, "Time response for sensor sensed to actuator response for mobile robotic system," in *IOP Conference Series: Materials Science and Engineering*, Institute of Physics Publishing, Nov. 2017. doi: 10.1088/1757-899X/260/1/012030.
- [27] A. Drago, "Fast Infrared Detector for Time-Domain Astronomy," *Instruments*, vol. 9, no. 2, Jun. 2025, doi: 10.3390/instruments9020012.
- [28] R. Kale, N. Kadekar, P. Gaikwad, G. Kendre, and V. Upadhey, "IR COMMUNICATION USING ARDUINO UNO," *www.irjmets.com @International Research Journal of Modernization in Engineering*, 1804, [Online]. Available: www.irjmets.com
- [29] R. Paradila and M. Arifin, *Pengujian Rancangan Sistem Cuci Tangan Tanpa Sentuh Dengan Memanfaatkan E18-D80NK Infrared Proximity Sensor dan Solenoid Valve*, vol. 6. 2020.

- [30] C. Sarpong, N. Kodwo Nyame, Y. Faibille, and N. Osei, "FACULTY OF SOCIAL STUDIES DEPARTMENT OF INFORMATION TECHNOLOGY THE DESIGN AND CONSTRUCTION OF AN INFRARED TOGGLED SWITCH," 2014.
- [31] E. Sunandar *et al.*, "PROTOTYPE MONITORING AREA PARKIR MOBIL BERBASIS ARDUINO UNO UNTUK MENDETEKSI KETERSEDIAAN SLOT PARKIR SECARA OTOMATIS," 2017.
- [32] Rayhan Al Hayubi, Salsabila Aulia, Dafairro Abbil Gunawan, Syarif Hidayatullah, and Didik Aribowo, "Implementasi Sistem Penggerak Servo SG 90 Berbasis Arduino Uno dengan Kontrol Sudut Dinamis," *Mars : Jurnal Teknik Mesin, Industri, Elektro Dan Ilmu Komputer*, vol. 2, no. 6, pp. 130–140, Dec. 2024, doi: 10.61132/mars.v2i6.535.
- [33] A. Rafi, A. Tahtawi, and K. Filter, "Kalman Filter Algorithm Design for HC-SR04 Ultrasonic Sensor Data Acquisition System," *IJITEE*, vol. 2, no. 1, 2018.
- [34] S. Wacana, "Penerapan Firebase Realtime Database Pada Prototype Aplikasi Pemesanan Makanan Berbasis Android," 2018, doi: 10.28932/jutisi.v4i3.870.
- [35] R. B. Kurniawan and Y. Pramudya, "Pengukuran Penjumlahan Intensitas Dua Sumber Cahaya Pada Variasi Daya Lampu Menggunakan Light Meter," *Jurnal Pendidikan Fisika*, vol. 9, no. 1, p. 18, Mar. 2021, doi: 10.24127/jpf.v9i1.3460.
- [36] Q. Wang, A. Khanicheh, D. Leiner, D. Shafer, and J. Zobel, "Endoscope field of view measurement," *Biomed Opt Express*, vol. 8, no. 3, p. 1441, Mar. 2017, doi: 10.1364/boe.8.001441.
- [37] V. Agarwal, K. Uthaichana, R. A. Decarlo, and L. H. Tsoukalas, "Development and validation of a battery model useful for discharging and charging power control and lifetime estimation," *IEEE Transactions on Energy Conversion*, vol. 25, no. 3, pp. 821–835, Sep. 2010, doi: 10.1109/TEC.2010.2043106.
- [38] W. Choi, J. Lee, and L. Li, "Analysis of three-dimensional circular tracking movements based on temporo-spatial parameters in polar coordinates," *Applied Sciences (Switzerland)*, vol. 10, no. 2, Jan. 2020, doi: 10.3390/app10020621.
- [39] I. Shobari, J. Budi Sulistyio, U. Setia Gunawan Pusat Rekayasa Fasilitas Nuklir, B. Gedung, K. Puspipetek Serpong, and T. Selatan, "IMPLEMENTASI MIKROKONTROLER BERBASIS ARDUINO SEBAGAI KUNCI (DONGLE) APLIKASI PERANGKAT LUNAK," *PRIMA*, vol. 18.

- [40] J. D. Chee and J. Chee, “Pearson’s Product-Moment Correlation: Sample Analysis.” [Online]. Available: <https://www.researchgate.net/publication/262011045>
- [41] K. Sijtsma, “On the use, the misuse, and the very limited usefulness of cronbach’s alpha,” *Psychometrika*, vol. 74, no. 1, pp. 107–120, Mar. 2009, doi: 10.1007/s11336-008-9101-0.
- [42] A. E. YILMAZ and S. AKTAŞ, “Mean and Standard Deviation for Open-Ended Grouped Data,” *Politeknik Dergisi*, vol. 25, no. 4, pp. 1603–1611, Dec. 2022, doi: 10.2339/politeknik.836087.
- [43] C. Santos and C. Dias, “Note on the coefficient of variation properties,” *BRAZILIAN ELECTRONIC JOURNAL OF MATHEMATICS*, vol. 2, no. 4, pp. 101–111, Apr. 2021, doi: 10.14393/bejom-v2-n4-2021-58062.