REFERENSI

[1] Rosdiana Ngitung, "Karakteristik Perilaku Kucing Domestik Characteristic Domestic Cat's Behaviour Patterns," *Jurnal Sainsmat*, vol. X, no. 1, pp. 78–84, Mar. 2021, [Online]. Available: http://ojs.unm.ac.id/index.php/sainsmat

[2] Citra Lalitya Optiarni and Farida Coralia, "Pengaruh Pet Attachment terhadap Tingkat Stres pada Pemilik Hewan Peliharaan Kucing," *Jurnal Riset Psikologi (JRP)*, vol. 3, no. 1, Jul. 2023, doi: 10.29313/jrp.v3i1.1569.

[3] Tetty Barunawati Siagian, Elisya Saly Tjiumena, Nurul, and Gary Yefta Herbeth Siagian, "Gambaran pengetahuan pemilik kucing tentang cara Pencegahan penyakit pada kucing peliharaannya selama Pandemic covid 19," *Wahana Informasi dan Alih Teknologi Pertanian*, vol. 13, no. 2, 2023.

[4] Diana A. Wuri, Vivaldi A.S. Haan, and Novalino H.G. Kallau, "Tingkat Prevalensi Toksoplasmosis pada Kucing Peliharaan di enam kecamatan di kota kupang," *Jurnal Veterine Nusantara*, vol. 6, no. 22, 2023, [Online]. Available: http://ejurnal.undana.ac.id/jvn

[5] Fini Febriani, Roinaldhi Pandu Mustira, Muhammad Bakri, and Purwono Prasetyawan, "Perancangan Alat Posisi pada Hewan Peliharaan," *Jurnal Teknik dan Sistem Komputer (JTIKOM*, vol. 2, no. 1, Jun. 2021.

[6] F. Y. Sitorus, R. Handayani, L. Meisaroh, and S. I. Si, "Rompi pintar penentu arah untuk pengguna sepeda berbasis sensor gyroscope gyroscope sensor based smart vest with signal lamp for bycicle user," *e-Proceeding of Applied Science*, vol. 6, no. 2, pp. 3491–3497, Feb. 2020.

[7] Muhammad Aldino, M. T. Dr. Ir. Sony Sumaryo, and M. T. Denny Darlis S.Si, "Desain dan implementasi sistem pelacak untuk Pemantauan posisi kucing menggunakan modul Bluetooth dan gps," *e-Proceeding of Engineering*, vol. 6, no. 3, pp. 10028–10035, Dec. 2019, [Online]. Available: http://maps.google.com.

[8] Andre Setiawan, Agung Tri Prastowo, and Dedi Darwis, "Sistem *monitoring* keberadaan posisi mobil berbasis gps dan penyadap suara menggunkan smartphone," *Jurnal Teknik dan Sistem Komputer (JTIKOM*, vol. 3, no. 1, p. 2022, 2022.

[9] Muhamad Nasir, Kasih Nasuha, Tengku Musri, Eva Kurniawaty, and Ayu Rahmadhani, "Perancangan Sistem *Monitoring* Hewan Peliharaan Menggunakan Global Positioning System (GPS) Berbasis Internet of Things (IoT)," *Seminar Nasional Industri dan Teknologi (SNIT)*, pp. 77–88, Nov. 2024.

[10] Deddy B. Lasfeto, Tuti Setyorini, and Yohan A.A.Lada, "Desain sistem *monitoring* ternak sapi berbasis jaringan sensor nirkabel untuk sistem penggembalaan lepas di timor barat provinsi nusa tenggara timur," *jurnal UMJ*, Nov. 2017.

[11] Galih Hendra Wibowo, Mohamad Dimyati Ayatullah, and Junaedi Adi Prasetyo, "Sistem cerdas pemantau hewan ternak pada alam bebas berbasis internet of things (iot)," *Jurnal Eltek*, vol. 17, no. 02, 2019.

[12] I Kadek Cahyadi Arta, Andrian Febriyanto, Ida Bagus Made Harisanjaya Adi Nugraha, I Gede Suputra Widharma, and Ida Bagus Irawan Purnama, "Animal Tracking Berbasis Internet of Things," *Majalah Ilmiah Teknologi Elektro*, vol. 21, no. 1, Jul. 2022, doi: 10.24843/mite.2022.v21i01.p02.

[13] Slamet Widodo, Sri Anggraeni K, and Faridah Istyorini, "Sistem *monitoring* suhu hamster menggunakan kamera thermal berbasis web," *Orbith*, vol. 18, no. 2, pp. 176–187, 2022.
[14] Ananda Faridhatul Ulva, Dahlan Abdullah, Masriadi, Nurhasanah, Nur Alimul Haq, and Bahrul Ulumul Haq, "Smart City Pertanian dengan Track and Trace GPS berbasis Mobile," *Jurnal Informasi dan Teknologi*, vol. 5, no. 4, pp. 78–91, 2023.
[15] Nugraha P. Arief, Mochamad Subianto, and Windra Swastika, "Rancang Bangun Sistem *Monitoring* dan Pembatasan Zona Operasional Kendaraan Bermotor Roda Dua berbasis Website dan Arduino," *Jurnal Teknik Informatika dan Sistem Informasi*, vol. 5, no. 2, Aug. 2019, doi: 10.28932/jutisi.v5i2.1602.
[16] Yoyon Efendi, "Internet of things (iot) sistem pengendalian lampu menggunakan raspberry pi berbasis mobile," *Jurnal Ilmiah Ilmu Komputer*, vol. 4, no. 1, Apr. 2018, [Online]. Available: http://ejournal.fikom-unasman.ac.id
[17] Ngoo Seong Boon, Mohamed Nasser Mohamed Noor, and Boumediene Kebaili, "A Proposed Conceptual Framework On The Adoption Of Internet Of Things (Iot)," *European Proceedings of Social and Behavioural Sciences*, pp. 352–361, Oct. 2020, doi: 10.15405/epsbs.2020.10.31.
[18] Herlambang Sigit Pramono, "Pembacaan posisi koordinat dengan gps sebagai pengendali palang pintu rel kereta api secara otomatis untuk penambahan aplikasi modul praktik mikrokontroler," *UNY journal*, vol. 20, no. 2, Oct. 2011.
[19] Khukuh Anugrah Yuwamahendra and Chanifah Indah Ratnasari, "Penerapan Teknologi Location-Based Services dalam Mobile Application: Suatu Tinjauan Literatur," *journal.uii*, 2020.
[20] I. F. A. M. K. Barry, "Sistem pencarian rute lokasi menggunakan global positioning system dan app inventor secara visual," *Jurnal Informatika Mulawarman*, vol. 2, no. 9, pp. 7–11, Jun. 2014.
[21] Ayu Syahfitri, "Internet of Things (IoT), Sejarah, Teknologi, dan Penerapannya," *Uranus : Jurnal Ilmiah Teknik Elektro, Sains dan Informatika*, vol. 3, no. 1, pp. 113–120, Jan. 2025, doi: 10.61132/uranus.v3i1.667.
[22] Muchammad Muzammil Arrozak, Antonius Edy Kristiyono, and Prihastono, "Rancang Bangun GPS Tracker di Kapal dengan Menggunakan Internet of Things (IoT)," *Teknik Elektro dan Informatika*, vol. 3, no. 3, p. 2025, May 2025, doi: 10.61132/jupiter.v3i3.822.
[23] Leela Sri Kadapa, Phani Sri Golla, and Uday Kumar Singh, "CTrack: Location Tracking Android Application," Jul. 2024. [Online]. Available: www.ijnrd.org
[24] Md Redwanul Islam, Supriya Sarker, Md Shahraduan Mazumder, and Mehnaj Rahman, "An IoT based Real-time Low Cost Smart Energy Meter *Monitoring* System using Android Application," *Jurnal Internasional Teknik dan Teknik*, vol. 5, Jun. 2019.
[25] Giang Truong Le, Thang Viet Tran, and Wan-Young Chung, "IoT System for *Monitoring* a Large-Area Environment Sensors and Control Actuators Using Real-Time Firebase Database," *Lecture Notes in Computer Science*

(including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 12616 LNCS, pp. 3–20, 2021, doi: 10.1007/978-3-030-68452-5_1.

[26] Agung Pangestu, Rosyid Ridlo Al-Hakim, Dessy Andriyani, M. Y. M. I. Sinka Wilyanti, and Purwono Purwono, "Pet Tracking System Using GPS with Android-Based Geofencing Method," *ICITDA 2023 - Proceedings of the 2023 8th International Conference on Information Technology and Digital Applications*, 2023, doi: 10.1109/ICITDA60835.2023.10427488.

[27] Manuel Ndebele, Aldridge N., and Mazhindu, "Design and Implementation of an Android GIS Data Collection Application for Students with Non-Programming Experience Using the MIT App Inventor: A Case Study on a Tick Data Collection APP," *Intell Inf Manag*, vol. 15, no. 01, pp. 11–23, Nov. 2023, doi: 10.4236/iim.2023.151002.

[28] Jacquline Waworundeng and Oktoverano Lengkong, "Sistem *Monitoring* dan Notifikasi Kualitas Udara dalam Ruangan dengan Platform IoT," *Cogito Smart Journal*, vol. 4, no. 1, Jun. 2018.

[29] Adisheshu Reddy Kommera, "The Power of Event-Driven Architecture: Enabling RealTime Systems and Scalable Solutions," *Turkish Journal of Computer and Mathematics Education (TURCOMAT)*, vol. 11, no. 1, pp. 1740–1751, Apr. 2020, doi: 10.61841/turcomat.v11i1.14928.

[30] Ruowei Xiao, Zhanwei Wu, and Juho Hamari, "Internet-of-Gamification: A Review of Literature on IoT-enabled Gamification for User Engagement," *Int J Hum Comput Interact*, vol. 38, no. 12, pp. 1113–1137, 2022, doi: 10.1080/10447318.2021.1990517.

[31] Norisvaldo Ferraz Junior, AndersonA.A.Silva, Adilson E. Guelfi, and Sergio T. Kofuji, "Performance evaluation of publish-subscribe systems in IoT using energy-efficient and context-aware secure messages," *Journal of Cloud Computing*, vol. 11, no. 1, Dec. 2022, doi: 10.1186/s13677-022-00278-6.

[32] Lin Wang, "Design industrial 5.1 air quality *monitoring* system and develop smart city infrastructure," *Measurement: Sensors*, vol. 35, p. 101292, Oct. 2024, doi: 10.1016/j.measen.2024.101292.

[33] Johan Garcia, Matthias Beckerle, Simon Sundberg, and Anna Brunstrom, "Modeling and predicting starlink throughput with fine-grained burst characterization," *Comput Commun*, vol. 234, Mar. 2025, doi: 10.1016/j.comcom.2025.108090.

[34] Fuad Hasyim and Imam Suharjo, "Sistem notifikasi *monitoring* kualitas udara Dalam ruangan produksi berbasis internet of things (iot) menggunakan esp8266," *Pixel :Jurnal Ilmiah Komputer Grafis*, vol. 17, no. 1, pp. 134–148, Jul. 2024, doi: 10.51903/pixel.v17i1.1990.

[35] Jarot Dian Susatyono, Febryantahanuji, and Arsito Ari Kuncoro, "Pengembangan Sistem Keamanan Rumah Berbasis IoT dengan Deteksi Intrusi Real-Time Menggunakan Sensor PIR dan Kamera, serta Notifikasi Otomatis melalui Aplikasi Mobile," *Jurnal Publikasi Ilmu Komputer dan Multimedia*, vol. 4, no. 2, May 2025, doi: 10.55606/jupikom.v4i2.3856.

[36] Rodhotul Muttaqin, Wasi Sakti Wiwit Prayitno, Natalia Erna Setyaningsih, and Upik Nurbaiti, "Rancang Bangun Sistem Pemantauan Kualitas Udara Berbasis Iot (Internet Of Things) dengan Sensor DHT11 dan Sensor

MQ135," *Jurnal Pengelolaan Laboratorium Pendidikan*, vol. 6, no. 2, pp. 2654–251, 2024.
[37] Mochamad Riskhi C. H, Rosiana, Hasbi N.P Wisudawan, and Medilla Kusriyanto, "Sistem *Monitoring* Kerusakan Lampu Lalu Lintas dan Notifikasi Secara Real-Time Berbasis Internet-of-Things," *IPTEK*, vol. 9, no. 1, pp. 6–11, Feb. 2025.
[38] Restu Adjie Priatim, Muhammad Asri, and Syahrir Abdussamad, "Rancang Bangun Prototipe Peringatan Dini Banjir Menggunakan Raspberry Pi Berbasis IoT," *Jambura Journal of Electrical and Electronics Engineering*, vol. 5, no. 2, Jul. 2023.
[39] Jonas Beuchert, Amanda Matthes, and and Alex Rogers, "SnapperGPS: Open Hardware for Energy-Efficient, Low-Cost Wildlife Location Tracking with Snapshot GNSS," *Jurnal Perangkat Keras Terbuka*, vol. 3, Jul. 2023, doi: 10.5334/joh.48.
[40] Richard Bischof, Nina Rosita Hansen, Øyvind Skarsgard Nyheim, Astrid Kisen, Lillian Prestmoen, and Torbjørn Haugaasen, "Mapping the 'catscape' formed by a population of pet cats with outdoor access," *Sci Rep*, vol. 12, no. 1, Dec. 2022, doi: 10.1038/s41598-022-09694-9.
[41] R. Arablouei, Z. Wang, G. J. Bishop-Hurley, and J. Liu, "Multimodal sensor data fusion for in-situ classification of animal behavior using accelerometry and GNSS data," *Smart Agricultural Technology*, vol. 4, Jun. 2022, [Online]. Available: http://arxiv.org/abs/2206.12078
[42] Isnaini Syarifatun Nisa, Rahmat Miyarno Saputro, Tegar Fatwa Nugroho, and Alfirna Rizqi Lahitani, "Analisis Quality of Service (QoS) Menggunakan Standar Parameter Tiphon pada Jaringan Internet Berbasis Wi-Fi Kampus 1 Unjaya," *Teknomatika: Jurnal Informatika dan Komputer*, vol. 17, no. 1, pp. 1–9, Apr. 2024, doi: 10.30989/teknomatika.v17i1.1307.
[43] Sesilia Kirana Vaniamosa and Wiwin Sulistyo, "Analisis walk test pada cakupan area access point di gedung fti uksw," *Jurnal Pendidikan Teknologi Informasi (JUKANTI)*, vol. 6, no. 2, pp. 2023–2621, Nov. 2023.
[44] Norlezah Hashim, Fakrulradzi Idris, Tuan Nur Anisa Tuan Ab Aziz, Siti Halma Johari, Rozilawati Mohd Nor, and Norfariza Ab Wahab, "Location tracking using LoRa," *International Journal of Electrical and Computer Engineering*, vol. 11, no. 4, pp. 3123–3128, Aug. 2021, doi: 10.11591/ijece.v11i4.pp3123-3128.
[45] Andrian Maulana and Wiwin Sulistyo, "Analisis kualitas signal wireless menggunakan Received signal strength indicator (rssi) Di smp negeri 10 salatiga," *Jurnal Penerapan Teknologi Informasi dan Komunikasi*, vol. 03, pp. 63–78, 2024.
[46] Sanne Swagerman, Clara Mancini, and Frank Nack, "Visualizing Cat GPS Data: A Study of User Requirements," *Jurnal ACM*, vol. 6, 2018.
[47] Haries Anom Susetyo Aji Nugroho, Sonhaji, and Andika Chandra Prasetyo, "Evaluasi Kinerja Jaringan WiFi Mahasiswa: Analisis Throughput, *Delay*, Jitter, dan Packet loss," *Jurnal BATIRSI*, vol. 8, no. 1, Jul. 2024.
[48] Micha Thesania Katarine and Karel Octavianus Bachri, "Smart room *monitoring* menggunakan mit app inventor dengan koneksi bluetooth,"

jurnal elektro, vol. 13, no. 1, pp. 51–66, Sep. 2020.
[49] N. L. Ryan-Schofield, K. E. Moseby, T. J. McWhorter, S. M. Legge, and H. W. McGregor, "The effect of collar weight and capture frequency on bodyweight in feral cats (Felis catus)," *Wildlife Research* , vol. 51, no. 6, May 2024, doi: 10.1071/WR24024.
[50] N. Asih and V. Septiana Windyasari, "Perancangan Sistem *Monitoring* Keberadaan Objek Menggunakan GPS Tracker Dengan Interface Berbasis Aplikasi Telepon Pintar," *Jurnal Teknik Informatika Unis*, vol. 10, no. 1, pp. 2252–5351, 2022.
[51] A.H. Abbas, Mohammed I. Habelalmateen, Syukran Jurdi, L. Audah, and N.A.M. Alduais, "GPS based location *monitoring* system with geo-fencing capabilities," *AIP Conf Proc*, vol. 2173, Nov. 2019, doi: 10.1063/1.5133929.
[52] Ade Rufaidah Mutmainah and Mardhiya Hayaty, "IoT-Based electricity usage *monitoring* and controlling system using Wemos and Blynk application," *Jurnal Teknologi dan Sistem Komputer*, vol. 7, no. 4, pp. 161–165, Oct. 2019, doi: 10.14710/jtsiskom.7.4.2019.161-165.
[53] M Resa Yoga Pradana, Adjie Trianggara, and Dedy Hermanto, "PROTOTIPE GPS COLLAR PADA HEWAN PELIHARAAN DENGAN INFORMASI MELALUI ANDROID," *Julyxxxx*, pp. 1–5.