

## DAFTAR PUSTAKA

- [1] “Pusat Rehabilitasi Kemhan RI,” *Kemhan.go.id*, 2016.  
<https://www.kemhan.go.id/pusrehab/2016/11/24/artikel-kebijakan-penyandang-disabilitas.html> (accessed Sept. 20, 2023).
- [2] S. S. Antonarakis and R. M. B.G, Down syndrome. *Nat Rev Dis*, vol. 6, no. 9, 2020.
- [3] d. F. R. Makarim, *Sindrom Down*, halodoc, 2020.
- [4] *Siloamhospitals.com*, "Siloam Hospitals," Rumah sakit dengan pelayanan berkualitas, 2023.
- [5] M. M. Channell, L. J. Hahn, T. C. Rosser, . D. H. M. A. Frank-Crawford, G. T. Capone and S. L. Sherman, "The Down Syndrome Cognition Project," *Characteristics Associated with Autism Spectrum Disorder Risk*, vol. 49, no. 8, pp. 3544-3545, 2019.
- [6] T. CareTM, *Bracelet & GPS Tracking Wearable Device for Down Syndrome*, 2023.
- [7] *AngelSense*, *GPS Tracker for Kids Product Tour*, 2016.
- [8] *mor.siroa*, "AngelSense," *AngelSense vs. Other GPS Trackers for Kids – A comparison*, 2016.
- [9] C. M. L. e. al, "BMC Medical," *Cell type-specific over-expression of chromosome 21 genes in*, vol. 7, no. 1, 2006.
- [10] Janusz Wojtusiak and Reyhaneh Mogharab Nia, “Location prediction using GPS trackers: Can machine learning help locate the missing people with dementia?,” *Internet of Things*, vol. 13, pp. 100035–100035, Mar. 2021, doi: <https://doi.org/10.1016/j.iot.2019.01.002>.
- [11] L. Babun, K. Denney, Z. Berkay Celik, P. McDaniel, and A. Selcuk Uluagac, “A survey on IoT platforms: Communication, security, and privacy perspectives,” *Computer Networks*, vol. 192, pp. 108040–108040, Jun. 2021, doi: <https://doi.org/10.1016/j.comnet.2021.108040>.
- [12] R. Setiawan, “Metode SDLC Dalam Pengembangan Software - Dicoding Blog,” *Dicoding Blog*, Jul. 27, 2021. <https://www.dicoding.com/blog/metode-sdlc/>
- [13] K. Cao, Y. Liu, G. Meng, and Q. Sun, “An Overview on Edge Computing Research,” *IEEE Access*, vol. 8, pp. 85714–85728, Jan. 2020, doi: <https://doi.org/10.1109/access.2020.2991734>.
- [14] P. Kanani and Mamta Padole, “Real-time Location Tracker for Critical Health Patient using Arduino, GPS Neo6m and GSM Sim800L in Health Care,” May 2020, doi: <https://doi.org/10.1109/iciccs48265.2020.9121128>.

- [15] Haroun Errachid Adardour, Mourad Hadjila, M. Hadj, Touhami Baouch, and Saad Eddine Belkhiter, "Outdoor Alzheimer's Patients Tracking Using an IoT System and a Kalman Filter Estimator," *Wireless Personal Communications*, vol. 116, no. 1, pp. 249–265, Aug. 2020, doi: <https://doi.org/10.1007/s11277-020-07713-4>.
- [16] Microsoft, "Visual Studio Code," *Visualstudio.com*, Nov. 03, 2021. Available: <https://code.visualstudio.com/docs>
- [17] E. Felicia, "Pemrograman menggunakan Arduino IDE/Platform IO (Serial Communication)," *Medium*, Feb. 07, 2023. Available: [https://medium.com/@18221032\\_68564/pemrograman-menggunakan-arduino-ide-platform-io-serial-communication-1b6581a9de3d](https://medium.com/@18221032_68564/pemrograman-menggunakan-arduino-ide-platform-io-serial-communication-1b6581a9de3d).
- [18] "Flutter documentation," *Flutter.dev*, 2024. Available: <https://docs.flutter.dev/>
- [19] "HiveMQ Introduction :: HiveMQ Documentation," *Hivemq.com*, 2024. Available: <https://docs.hivemq.com/hivemq/latest/user-guide/index.html>
- [20] "Dokumentasi," *Firebase*, 2022. Available: <https://firebase.google.com/docs?hl=id>
- [21] "Ringkasan Google Cloud," *Google Cloud*, 2024. Available: <https://cloud.google.com/docs/overview?hl=id> (accessed May 13, 2024).
- [22] Docker, "Overview of get started," Available: "<https://docs.docker.com/guides/get-started/>
- [23] "ESP32WROOM32D & ESP32WROOM32U Datasheet." Available: [https://www.espressif.com/sites/default/files/documentation/esp32-wroom-32d\\_esp32-wroom-32u\\_datasheet\\_en.pdf](https://www.espressif.com/sites/default/files/documentation/esp32-wroom-32d_esp32-wroom-32u_datasheet_en.pdf)
- [24] Ai-Thinker Technology Co., Ltd. "**A9G GSM/GPRS/GPS Module Product Specification**" Available : [https://docs.ai-thinker.com/media/b101ps01a4\\_a9g\\_product\\_specification.pdf](https://docs.ai-thinker.com/media/b101ps01a4_a9g_product_specification.pdf)
- [25] P. Studi, "ANALISIS SENSOR DHT-22 UNTUK MEMANTAU PROSES FERMENTASI DAUN TEMBAKAU, DENGAN PENGIRIMAN DATA MENGGUNAKAN PROTOCOL ZIGBEE KERJA PRAKTIK," 2018. Available: [https://repository.dinamika.ac.id/id/eprint/3797/1/15410200013-2018-STIKOM\\_SURABAYA.pdf](https://repository.dinamika.ac.id/id/eprint/3797/1/15410200013-2018-STIKOM_SURABAYA.pdf)
- [26] A. Verma, A. Khatana, and S. Chaudhary, "A Comparative Study of Black Box Testing and White Box Testing," *Int. J. Comput. Sci. Eng.*, vol. 5, pp. 301–304, 2017, doi: 10.26438/ijcse/v5i12.301304.

- [27] H. Team, “What is MQTT Quality of Service (QoS) 0,1, & 2? – MQTT Essentials: Part 6,” Hivemq.com, Feb. 16, 2015. Available: <https://www.hivemq.com/blog/mqtt-essentials-part-6-mqtt-quality-of-service-levels/>.
- [28] Virginia I. “Autentikasi QR-code berbasis MQTT pada Perangkat IoT”, vol. 1, no. 1, pp. 1-4, 2023.
- [29] “Pudding series development board-A9G development board information |” Ai-thinker.com, 2024. Available : <https://docs.ai-thinker.com/en/gprs/a9g/boards>.
- [30] Journal of Intellectual Disability Research. (2020). “Risk of Child Abduction in Children with Down Syndrome”. Journal of Intellectual Disability Research, vol.64, no.10, pp.931-938. doi: <https://doi.org/10.1111/jir.12743>
- [31] Journal of Developmental and Behavioral Pediatrics. (2019). “Hyperactivity in Children with Down Syndrome: A Systematic Review”. Journal of Developmental and Behavioral Pediatrics, vol.40, no.6, pp.432-441. doi: <https://doi.org/10.1097/DBP.0000000000000664>
- [32] S. E. Antonarakis et al., “Down syndrome,” Nature Reviews Disease Primers, vol. 6, no. 1, Feb. 2020, doi: <https://doi.org/10.1038/s41572-019-0143-7>.