

## DAFTAR PUSTAKA

- [1] S. Hartini, “Revolusi ilmiah: Global positioning system (gps) sebagai bukti empiris teori relativitas,” *Jurnal Filsafat Indonesia*, vol. 2, no. 1, 2019.
- [2] I. Wijaya, P. Pangaribuan, and J. Halomoan, “Alat penentu posisi indoor menggunakan bluetooth sebagai beacon,” *eProceedings of Engineering*, vol. 5, no. 3, 2018.
- [3] J. Bakara, “Perkembangan sistem satelit navigasi global dan aplikasinya,” *Berita Dirgantara*, vol. 12, no. 2, 2011.
- [4] D. W. Mahandhira, H. Ginardi, and D. A. Navastara, “Penggunaan accelerometer dan magnetometer pada sistem real time tracking indoor position untuk studi kasus pada gedung teknik informatika its,” *Jurnal Teknik ITS*, vol. 5, no. 2, pp. A524–A527, 2016.
- [5] H. Zhu and Y. Xie, “Research on application of beacon-based location technology in american universities,” in *IOP Conference Series: Earth and Environmental Science*, vol. 252, p. 052002, IOP Publishing, 2019.
- [6] A. M. Sawaby, H. M. Noureldin, M. S. Mohamed, M. O. Omar, N. S. Shaaban, N. N. Ahmed, S. M. ElHadidy, R. S. Hussein, A. H. Hassan, and H. Mostafa, “A smart indoor navigation system over ble,” in *2019 8th International Conference on Modern Circuits and Systems Technologies (MOCASST)*, pp. 1–4, IEEE, 2019.
- [7] Y. Chervoniak and I. Gorovyi, “Mobile indoor navigation: From research to production,” in *2019 Signal Processing Symposium (SPSymposium)*, pp. 96–99, IEEE, 2019.
- [8] F. Wang, J. Feng, Y. Zhao, X. Zhang, S. Zhang, and J. Han, “Joint activity recognition and indoor localization with wifi fingerprints,” *IEEE Access*, vol. 7, pp. 80058–80068, 2019.
- [9] B. Nagarajan, V. Shanmugam, V. Ananthanarayanan, and P. B. Sivakumar, “Localization and indoor navigation for visually impaired using bluetooth low energy,” in *Smart Systems and IoT: Innovations in Computing*, pp. 249–259, Springer, 2020.

- [10] M. R. Jahan, F. I. Aziz, M. B. I. Ema, A. B. Islam, and M. N. Islam, "A wearable system for path finding to assist elderly people in an indoor environment," in *Proceedings of the XX International Conference on Human Computer Interaction*, p. 12, ACM, 2019.
- [11] J. H. Granbery, "Systems and methods for reusing generic tokens using bluetooth low energy (ble) beacons," Mar. 26 2019. US Patent 10,244,566.
- [12] L. Ciabattoni, G. Foresi, A. Monteriù, L. Pepa, D. P. Pagnotta, L. Spalazzi, and F. Verdini, "Real time indoor localization integrating a model based pedestrian dead reckoning on smartphone and ble beacons," *Journal of Ambient Intelligence and Humanized Computing*, vol. 10, no. 1, pp. 1–12, 2019.
- [13] K. Y. Putrama and H. Khoirunnisaa, *Insight: Sistem Navigasi Kampus Universitas Telkom Berbasis Teknologi Realitas Tertambah Menggunakan GPS Dan BLE Beacons*, 2019 (di akses Juni 23, 2020).
- [14] S. Statler, *Beacon technologies*. Springer, 2016.
- [15] B. Santoso, "Pengaruh keberadaan objek manusia terhadap stabilitas received signal strength indicator (rssi) pada bluetooth low energy 4.0 (ble)," *Telematika*, vol. 13, no. 1, pp. 11–16, 2016.
- [16] O. O. S. Dhamma Nibbana Putra and C. Lawrence<sup>3</sup>, *Penerapan dan Implementasi Algoritma Backtracking*, 2020 (di akses Juni 25, 2020).