

DAFTAR PUSTAKA

- Blattner, A., Vasilev, Y. and Harriehausen-Mühlbauer, B. (2015). ‘*Mobile Indoor Navigation Assistance for Mobility Impaired People.*’ *Procedia Manufacturing*, 3, pp.51–58.
doi:<https://doi.org/10.1016/j.promfg.2015.07.107>.
- Cantón Paterna, V. *et al.* (2017) ‘*A Bluetooth Low Energy Indoor positioning system with channel diversity, weighted trilateration and Kalman filtering*’, *Sensors*, 17(12), p. 2927. doi:10.3390/s17122927.
- Firdaus, F. *et al.* (2020) ‘*Design and comprehensive testing a 2.4 GHz antenna for WIFI Access Point*’, *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, 18(3), p. 1176.
doi:10.12928/telkomnika.v18i3.14940.
- Dedes, G. and Dempster, A.G. (2005) ‘*Indoor GPS positioning - challenges and opportunities*’, *VTC-2005-Fall. 2005 IEEE 62nd Vehicular Technology Conference, 2005*. doi:10.1109/vetecf.2005.1557943.
- Ding, N. *et al.* (2013) ‘*Characterizing and modeling the impact of wireless signal strength on smartphone battery drain*’, *Proceedings of the ACM SIGMETRICS/international conference on Measurement and modeling of computer systems*. doi:10.1145/2465529.2466586.
- Hamid, M.R. *et al.* (2010) ‘*Switched WLAN-wideband tapered slot antenna*’, *Electronics Letters*, 46(1), p. 23. doi:10.1049/el.2010.2268.
- Ibwe, K. and Pande, S. (2022) ‘*Filtering effect on RSSI-based indoor localization methods*’, *Tanzania Journal of Engineering and Technology*, 41(4), pp. 169–182. doi:10.52339/tjet.v41i4.803.
- Ren, J. *et al.* (2017) ‘*An improved indoor positioning algorithm based on RSSI filtering*’, *2017 IEEE 17th International Conference on Communication Technology (ICCT)*. doi:10.1109/icct.2017.8359812.
- Laaraiedh, M. (2012) ‘*Implementation of Kalman Filter with Python Language*’, *IETR Labs, University of Rennes*.
<https://doi.org/10.48550/arXiv.1204.0375>.
- Liu, F. *et al.* (2020) ‘*Survey on wifi-based indoor positioning techniques*’, *IET Communications*, 14(9), pp. 1372–1383. doi:10.1049/iet-com.2019.1059.
- Shchekotov, M.S. (2014) ‘*Analysis of indoor positioning approaches based on Wi-Fi Trilateration*’, *SPIIRAS Proceedings*, 5(36), p. 206.
doi:10.15622/sp.36.13.
- Muhammad, F., Saharuna, Z. and Irmawati (2018) ‘*Indoor Wifi Positioning System Menggunakan Metode Fingerprinting*’, *SNTEI*.
- MUSAYYANAH, M., AFFANDI, C.D. and LEBDANINGRUM, K. (2023) ‘*Penerapan Filter Kalman Untuk Estimasi Jarak Dan Posisi Pada lokalisasi outdoor berbasis RSSI Dengan Komunikasi LoRa*’, *ELKOMIKA: Jurnal*

Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika, 11(4), p. 849. doi:10.26760/elkomika.v11i4.849.

- Pakanon, N., Chamchoy, M. and Supanakoon, P. (2020) '*Study on accuracy of trilateration method for indoor positioning with Ble Beacons*', 2020 6th International Conference on Engineering, Applied Sciences and Technology (ICEAST) doi:10.1109/iceast50382.2020.9165464.
- Perdana, F.H. and Ginardi, H. (2016) 'Implementasi *indoor positioning system* Berbasis *smartphone* dengan Penambahan *Access Point* untuk studi Kasus Gedung Teknik Informatika its', *Jurnal Teknik ITS*, 5(2). doi:10.12962/j23373539.v5i2.17047.
- Pujiharsono, H., Utami, D. and Ainul, R.D. (2020) '*Trilateration method for estimating location in RSSI-based indoor positioning system using Zigbee protocol*', *JURNAL INFOTEL*, 12(1). doi:10.20895/infotel.v12i1.380.
- Qiu, J.-W., Lin, C.-P. and Tseng, Y.-C. (2016) '*Ble-based collaborative indoor localization with adaptive multi-lateration and mobile encountering*', 2016 IEEE Wireless Communications and Networking Conference [Preprint]. doi:10.1109/wcnc.2016.7564799.
- Rusli, M.E. *et al.* (2016) '*An improved indoor positioning algorithm based on RSSI-trilateration technique for internet of things (IOT)*', 2016 International Conference on Computer and Communication Engineering (ICCCE) [Preprint]. doi:10.1109/iccce.2016.28.
- Syamsudin. (2010). "Cara Cepat Belajar Infrastruktur Jaringan Wireless". Gava Media.
- W. Maarten and F. Schrooyen. (2008) "A WiFi Assisted GPS Positioning Concept.". ECUMICT 08.
- Wibowo, F. and Burhanudin, A. (2018) 'Penerapan *Kalman Filter* Pada metode trilaterasi untuk peningkatan Akurasi estimasi Perhitungan Jarak di Dalam Ruang', *Jurnal Ilmiah Betrik*, 9(02), pp. 96–102. doi:10.36050/betrik.v9i02.35.
- Wu, C., Yang, Z. and Xiao, C. (2018) '*Automatic Radio map adaptation for indoor localization using smartphones*', *IEEE Transactions on Mobile Computing*, 17(3), pp. 517–528. doi:10.1109/tmc.2017.2737004.
- Xu, J. *et al.* (2018) '*Embracing spatial awareness for reliable WIFI-based indoor location systems*', 2018 IEEE 15th International Conference on Mobile Ad Hoc and Sensor Systems (MASS). doi:10.1109/mass.2018.00050.
- İlçi, V., Gülal, E. and Alkan, R.M. (2020) '*Performance comparison of 2.4 and 5 ghz WIFI signals and proposing a new method for mobile indoor positioning*', *Wireless Personal Communications*, 110(3), pp. 1493–1511. doi:10.1007/s11277-019-06797-x.