

## DAFTAR PUSTAKA

- [1] T. Sathiya, P. E. Divya, and P. S. Raja, "Visible Light Communication for Wireless Data Transmission," *Int. J. Innov. Res. Electr. Electron. Instrum. Control Eng.*, 2014.
- [2] D. Karunatilaka, F. Zafar, V. Kalavally, and R. Parthiban, "LED based indoor visible light communications: State of the art," *IEEE Commun. Surv. Tutorials*, 2015, doi: 10.1109/COMST.2015.2417576.
- [3] A. Hajihoseini, A. Dargahi, and S. A. Ghorashi, "3D Indoor Localization using Visible Light Communications," *IJIREEICE*, vol. 4, no. 7, 2016, doi: 10.17148/ijireeice.2016.4730.
- [4] A. F. Khalifeh, N. AlFasfous, R. Theodory, S. Giha, and K. A. Darabkh, "On the effect of light emitting diodes positions on the performance of an indoor visible light communication system," 2019, doi: 10.1109/EIConRus.2019.8656890.
- [5] G. Simon, G. Zachar, and G. Vakulya, "Lookup: Robust and accurate indoor localization using visible light communication," *IEEE Trans. Instrum. Meas.*, vol. 66, no. 9, pp. 2337–2348, Sep. 2017, doi: 10.1109/TIM.2017.2707878.
- [6] T. Adiono, S. Fuada, A. P. Putra, and Y. Aska, "Desain Awal Analog Front-End Optical Transceiver untuk Aplikasi Visible Light Communication," *J. Nas. Tek. Elektro dan Teknol. Inf.*, 2016, doi: 10.22146/jnteti.v5i4.280.
- [7] G. Hu *et al.*, "Accuracy Improvement of Indoor Real-Time Location Tracking Algorithm for Smart Supermarket Based on Ultra-Wideband," *Int. J. Pattern Recognit. Artif. Intell.*, vol. 33, no. 12, 2019, doi: 10.1142/S0218001420580045.
- [8] D. Dardari, E. Falletti, and M. Luise, *Satellite and Terrestrial Radio Positioning Techniques: A Signal Processing Perspective*. 2012.

- [9] D. Dardari, P. Closas, and P. M. Djuric, "Indoor tracking: Theory, methods, and technologies," *IEEE Trans. Veh. Technol.*, 2015, doi: 10.1109/TVT.2015.2403868.
- [10] H. Chen, A. T. L. Lee, S. C. Tan, and S. Y. Hui, "Electrical and Thermal Effects of Light-Emitting Diodes on Signal-to-Noise Ratio in Visible Light Communication," *IEEE Trans. Ind. Electron.*, vol. 66, no. 4, 2019, doi: 10.1109/TIE.2018.2849966.
- [11] S. Juneja and S. Vashisth, "Indoor positioning system using visible light communication," 2018, doi: 10.1109/IC3TSN.2017.8284455.
- [12] M. Karmy, S. Elsayed, and A. Zekry, "Performance enhancement of an indoor localization system based on visible light communication using rssi/tdoa hybrid technique," *J. Commun.*, 2020, doi: 10.12720/jcm.15.5.379-389.
- [13] G. Simon, G. Zachar, and G. Vakulya, "Lookup: Robust and accurate indoor localization using visible light communication," *IEEE Trans. Instrum. Meas.*, vol. 66, no. 9, 2017, doi: 10.1109/TIM.2017.2707878.
- [14] S. Arnon and C. Engineering, *Visible-Light-Communication-Shlomi-Arnon*. 2015.
- [15] S. U. Rehman, S. Ullah, P. H. J. Chong, S. Yongchareon, and D. Komosny, "Visible light communication: A system perspective—Overview and challenges," *Sensors (Switzerland)*, vol. 19, no. 5. 2019, doi: 10.3390/s19051153.
- [16] Z. Zhou, "Indoor positioning algorithm using light-emitting diode visible light communications," *Opt. Eng.*, vol. 51, no. 8, 2012, doi: 10.1117/1.oe.51.8.085009.
- [17] L. E. M. Matheus, A. B. Vieira, L. F. M. Vieira, M. A. M. Vieira, and O. Gnawali, "Visible Light Communication: Concepts, Applications and Challenges," *IEEE Commun. Surv. Tutorials*, 2019, doi: 10.1109/COMST.2019.2913348.

- [18] S. Rajagopal, R. D. Roberts, and S. K. Lim, "IEEE 802.15.7 visible light communication: Modulation schemes and dimming support," *IEEE Commun. Mag.*, 2012, doi: 10.1109/MCOM.2012.6163585.
- [19] M. Frassl, M. Angermann, M. Lichtenstern, P. Robertson, B. J. Julian, and M. Doniec, "Magnetic maps of indoor environments for precise localization of legged and non-legged locomotion," 2013, doi: 10.1109/IROS.2013.6696459.
- [20] M. Yoshino, S. Haruyama, and M. Nakagawa, "High-accuracy positioning system using visible LED lights and image sensor," 2008, doi: 10.1109/RWS.2008.4463523.
- [21] H. S. Kim, D. R. Kim, S. H. Yang, Y. H. Son, and S. K. Han, "An indoor visible light communication positioning system using a RF carrier allocation technique," *J. Light. Technol.*, vol. 31, no. 1, 2013, doi: 10.1109/JLT.2012.2225826.
- [22] Z. Ghassemlooy, S. Zvanovec, M. A. Khalighi, W. O. Popoola, and J. Perez, "Optical wireless communication systems," *Optik*. 2017, doi: 10.1016/j.ijleo.2017.11.052.
- [23] H. Haas, J. Elmirghani, and I. White, "Optical wireless communication," *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*. 2020, doi: 10.1098/rsta.2020.0051.
- [24] M. Uysal and H. Nouri, "Optical wireless communications - An emerging technology," 2014, doi: 10.1109/ICTON.2014.6876267.
- [25] W. S. Hidayat, "Kinerja Butterworth Low-Pass Filter pada Teknik Modulasi Digital ASK Terhadap Paket Data yang dipengaruhi oleh Derau," *J. Telekomun. dan Komput.*, 2017, doi: 10.22441/incomtech.v3i2.1118.
- [26] Qustoniah Anis; Pracoyo Adi Nugroho, "DESAIN DAN APLIKASI SIMULASI MODULASI DIGITAL PADA HANDPHONE BERBASIS JAVA 2 MICRO EDITION ( J2ME )," *Tek. Elektro Univ. Widyagama Malang*, 2014.

- [27] P. A. P. T. Ms.Neha R. Laddha, "A Review on Serial Communication by UART," *Int. J. Adv. Res. Comput. Sci. Softw. Eng.*, vol. 3, no. 1, 2013.
- [28] Suyadi, "Komunikasi Serial dan Port Serial (COM)," *Ums*, 2012.
- [29] D. Hamdani and J. Junaidi, "Modifikasi Karakter Kode Pada Cipher Hill Menggunakan Kode ASCII," *Eig. Math. J.*, vol. 1, no. 2, 2020, doi: 10.29303/emj.v1i2.54.
- [30] Arduino, "Arduino Nano - Arduino Official Store," *Store.Arduino.Cc/Usa/*. 2017.
- [31] Arduino.cc, "Arduino Uno Rev3," *Arduino.Cc*, 2020.
- [32] G. Kilari, R. Mohammed, and R. Jayaraman, "Automatic Light Intensity Control using Arduino UNO and LDR," 2020, doi: 10.1109/ICCSP48568.2020.9182238.