

DAFTAR PUSTAKA

- [1] BPSDM, “Pelatihan Perencanaan Teknik Sungai,” Kementrian PUPR, Bandung, 2017.
- [2] d. Bachtera Indarto, “Pengukuran Ketinggian Permukaan Air Sungai menggunakan Prinsip Tekanan Berbasis Mikrokontroler ATMega328,” Institut Teknologi Sepuluh Nopember, Surabaya, 2015.
- [3] IOC, “Manual on sea-level measurements and interpretation,” *Intergovernmental Oceanographic Commission*, vol. IV, 2006.
- [4] A. Fernando, “Pemanfaatan Sistem Ketinggian Air Untuk Studi Pengaruh Peningkatan Ketinggian Air Sungai Cikaro Terhadap Daerah Banjir di Majalaya,” Universitas Telkom, Bandung, 2019.
- [5] Terabee, “Choosing the Right Distance Sensor for Your Application,” Terabee, 2019. [Online]. Available: <https://www.terabee.com/choosing-right-distance-sensor-your-application/>. [Diakses Jumat Agustus 2020].
- [6] M. K. D. B. K. I. R. Adarsh, “Performance comparison of Infrared and Ultrasonic sensors for obstacles of different materials in vehicle/ robot navigation applications,” 2016.
- [7] Allouis, “Assessing Water Surface Effect on LiDAR Bathymetry Measurement in Rivers : Theoretical Study,” ESA Space for Hydrology Workshop, Geneva, 2007.
- [8] B. & Marlam, “Spectral Reflectance Relationships to Turbidity Generated by Different Clay Materials,” *Photogrammetric Engineering and Remote Sensing*, 1990.
- [9] Milan, “Mapping hydraulic biotopes using terrestrial laser scan data of water surface properties,” *Earth Surface Processes and Landforms*, 2010.

- [10] K. & Ceylan, "The Spectral Reflectance Responses of Water with Different Levels of Suspended Sediment in The Presence of Algae," Turkish Ministry of Agriculture and Rural Affairs Agricultural Research Institute,, Turkey, 2005.
- [11] K. A, "Pulsed time-of-flight laser range finder techniques for fast, high precision measurement applications," University of Oulu, Finland, 2004.
- [12] J. Kvam, "Time of Flight: Principles, Challenges, and Performance," STMicroelectronics, 2017.
- [13] "Introduction to Time-of-Flight Long Range Proximity and Distance Sensor System Design," Texas Instrument, 2019.
- [14] M. S. G. B. V. B. M. D. R. P. H. M. d. B. S. Quintero, Theory and practice on Terrestrial Laser Scanning, 2008.
- [15] S. L. O. C. R. H. M. Hansard, "Time-of-Flight Cameras: Principles, Methods and Applications", 2012.
- [16] G. A. a. C. T. S. Foix, "Lock-in time-of-flight (ToF) cameras: A survey," *IEEE Sensors Journal*, vol. 11, p. 1917–1926, 2011.
- [17] S. K. S. L. K. L. J. K. a. C. K. B. Kang, "Harmonic distortion free distance estimation in tof camera," *SPIE EI*, 2011.
- [18] E. B. R. K. a. R. L. A. Kolb, "Time-of-flight cameras in computer graphics," *Computer Graphics Forum*, vol. 29, p. 141–159, 2010.
- [19] S. H. K. P. Junhwan Jang, "Design of Indirect Time-of-Flight Based Lidar for Precise Three-Dimensional Measurement Under Various Reflection Conditions," CGwangju Institute of Science and Technology, Gwangju, South Korea, 2013.
- [20] SPIE, "Introduction to LiDAR," SPIE.
- [21] Benewake, "Product Manual TFMMini Plus LiDAR," Benewake, China], 2019.

- [22] T. Inc, "Introduction A Brief Introduction to Time-of-Flight Sensing: Indirect ToF," Terabee, 2020.
- [23] S. C. Liew, *Electromagnetic Waves*, Centre for Remote Imaging, Sensing and Processing.
- [24] A. Wibowo, "Perancangan dan Realisasi Sistem Akses Informasi Buku Di Perpustakaan Melalui Lampu Penerangan LED," Politeknik Negeri Bandung, Bandung, 2017.
- [25] H. Andrianto, *emrograman Mikrokontroler AVR ATMega 16 Menggunakan Bahasa C (CodeVisionAVR)*, Bandung, 2013.
- [26] "Infrared Spectrum," [Online]. Available: <http://thepredatorseye.com>. [Diakses 29 September 2019].
- [27] D. R. R. Halliday, *Physics*, 1997.
- [28] B. B. A. C. R. Bills, "MISR-based passive optical bathymetry from orbit with few-cm level of accuracy on the Salar de Uyuni, Bolivia," *Remote Sensing of Environment*, vol. 107, pp. 240-255, 2007.
- [29] Milan, "Mapping hydraulic biotopes using terrestrial laser scan data of water surface properties," *Earth Surface Processes and Landforms*, 2007.
- [30] J. d. Churnside, "Thin scattering layers observed by airborne lidar," *ICES*, vol. 66, no. 4, pp. 778-789, 2009.
- [31] X. d. Zhang, "Influence of bubbles on scattering of light in the ocean," *Applied Optics*, vol. 37, no. 27, pp. 6525-6536, 1998.
- [32] D. d. Doxaran, "Spectral signature of highly turbid waters Application with SPOT data to quantify suspended particulate matter concentrations," *Remote Sensing of Environment*, vol. 81, pp. 149-161, 2002.

- [33] D. & M. D. Bhargava, "Spectral reflectance relationships to turbidity generated by different clay materials," *Photogrammetric Engineering and Remote Sensing*, 1990.
- [34] K. & Ceylan, "The Spectral Reflectance Responses of Water with Different Levels of Suspended Sediment in The Presence of Algae," Turkish Ministry of Agriculture and Rural Affairs Agricultural Research Institute, 2005.
- [35] R. d. Menzies, "Lidar in-space technology experiment measurements of sea surface directional reflectance and the link to surface wind speed," *Applied Optics*, vol. 37, no. 24, pp. 5550-5559, 1998.
- [36] S. K., "Nephelometry and Turbidimetry: Principle, Theory and Techniques," *Environmental Pollution*, [Online]. Available: <http://www.environmentalpollution.in/pollution/regulation-and-monitoring/nephelometry-and-turbidimetry-principle-theory-and-techniques/1880>. [Diakses Desember 2019].
- [37] A. A. Heri Andrianto, Arduiono - Belajar Cepat dan Pemrograman, Bandung: Informatika Bandung, 2016.
- [38] SparkFun, "TFMini LiDAR Plus," [Online]. Available: sparkfun.com.
- [39] RobotDyn, "Arduino UNO," 2019. [Online]. Available: robotdyn.com.
- [40] SparkFun, "RTC Realtime Clock Module," [Online]. Available: sparkfun.com.
- [41] lastminuteengineer, "A6 GSM GRPS Module Tutorial," [Online]. Available: <https://lastminuteengineers.com/a6-gsm-gprs-module-arduino-tutorial/>.
- [42] Arduino, "Arduino IDE," [Online]. Available: arduino.cc.
- [43] T. C. W., "STUDIES ON TURBIDITY IN RELATION TO SUSPENDED SOLID, VELOCITY, TEMPERATURE, PH, CONDUCTIVITY, COLOUR AND TIME," *ARPN Journal of Engineering and Applied Sciences*, 2017.

- [44] S. V, "Numerical Simulation Of Coal Gasification In a Circulating Fluidized Bed Gasifier," *Brazilian Journal of Chemical Engineering*, Brazil, 2019.
- [45] O. S. Suharyo, "Rancang Bangun Alat Pengukur Gelombang Permukaan Laut Presisi Tinggi," *Applied Technology and Computing Science Journal*, 2018.
- [46] M. B.-G. Santiago Royo, "An Overview of LiDAR Imaging Systems for Autonomous Vehicle," *Applied Sciences*, 2019.