

## DAFTAR PUSTAKA

- [1] P. Mitra, R. Ray, R. Chatterjee, R. Basu, P. Saha, S. Raha, R. Barman, S. Patra, S. Patra, S. S. Biswas and S. Saha, "Flood forecasting using Internet of things and artificial neural networks," 17 November 2016.
- [2] T. Perumal, M. N. Sulaiman and C. Y. Leong, "Internet of Things (IoT) Enabled Water," 2015.
- [3] S. Gayathiri, S. Priyadharsini, N. R. Lakshmi and R. Sudha, "Prediction Of Flash Flood And Landslide Monitoring System Using Bayesian Classification In Iot," 2017.
- [4] P. Kurniawati and D. P. Kusumangirum, "Sistem Pendukung Keputusan Penentu Tingkat Ancaman Banjir Di Kabupaten Demak Dengan Menggunakan Metode Naïve Bayes," 2016.
- [5] G. A. P, K. and W. , "FLOW CALCULATION OF OPEN CHANNEL SYSTEM THROUGH MEASUREMENT OF WATER LEVEL USING ULTRASONIC TRANSDUCER," pp. 157-168, 2015.
- [6] E. B. Panganiban and J. C. D. Cruz, "Rain Water Level Information with Flood Warning System using Flat Clustering Predictive Technique," in *Proc. of the 2017 IEEE Region 10 Conference (TENCON)*, 2017.
- [7] E. M. Mangundu, J. N. Mateus, G. -A. L. Zodi and J. Johson, "A Wireless Sensor Network for Rainfall Monitoring,using Cellular Network: A Case for Namibia," in *IEEE*, 2017.
- [8] O. Khutsoane, B. Isong and A. M. A. Mahfouz, "IoT devices and applications based on LoRa/LoRaWAN," in *IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society*, Beijing, China, 2017.
- [9] "LoRaWAN," lora-alliance, 2018. [Online]. Available: <https://lora-alliance.org/about-lorawan>. [Accessed 8 11 2018].
- [10] L. M, S. M, C. V, W. T and H. R, "Analisis Perbandingan Mekanisme Enkripsi Data Pada Teknologi Low Power Wide Area (Lpwa) Network : Lora Dan Sigfox,," vol. 22, no. 13, pp. 1858-4853.
- [11] Y. A. Badamasi, "The Working Principle Of An Arduino.," 29 December 2014.

- [12] Arasada, Bakhtiyar; Suprianto, Bambang;, "Aplikasi Sensor Ultrasonik Untuk Deteksi Posisi Jarak Pada Ruang Menggunakan Arduino Uno," vol. 06, no. 02, pp. 137-145, 2017.
- [13] V. T. Chow, *Hidrolika Saluran Terbuka (Open Channel Hydraulics)*, Jakarta: Erlangga, 1997.
- [14] G. Setyawan, S. and A. Latuconsina, "kalibrasi alat ukur curah hujan model tipping bucket," in *SNNT SV UGM*, Yogyakarta, 2015.
- [15] "Advantech LoRa Private Solution for Flood Monitoring and Warning System," advantech, 28 9 2017. [Online]. Available: <http://www.advantech.eu/power-and-energy/case%20studies/d02fa2f6-a668-4611-91ca-2956161fe569/>. [Accessed 6 11 2018].
- [16] "ANTARES," 2018. [Online]. Available: <https://antares.id/id/index.html>. [Accessed 8 10 2018].
- [17] "What is LoRa®?," Semtech, 2018. [Online]. Available: <https://www.semtech.com/lora/what-is-lora>. [Accessed 11 10 2018].
- [18] K. Andersson and M. S. Hossain, "Heterogeneous wireless sensor networks for flood prediction decision support systems," in *2015 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS)*, 2015.
- [19] S. S. Adhatarao, M. Arumaithurai, D. Kutscher and X. Fu, "ISI: Integrate Sensor Networks to Internet With ICN," vol. 5, no. 2, pp. 491 - 499, 2017.
- [20] S. Fang, L. D. Xu, Y. Zhu, J. Ahati, H. Pei, J. Yan and Z. Liu, "An Integrated System for Regional Environmental Monitoring and Management Based on Internet of Things," vol. 10, 2014.
- [21] R. m. Fauzi, S. E. Swargara, R. H. Anggia, I. Azimi and B. pudjoatmodjo, "River Water Height and Discharge Measurement System based on Microcontroller," 2018.
- [22] M. G. Syahrul, "Design and implementation of tipping-bucket rain gauge," in *International Conference on Informatics and Computational Sciences (ICICoS)*, Semarang, Indonesia, 2018.
- [23] A. A. Soebroto, I. Cholissodin, R. C. Wihandika, M. T. Frestantiya and Z. E. Arief, "PREDIKSI TINGGI MUKA AIR (TMA) UNTUK DETEKSI DINI BENCANA BANJIR MENGGUNAKAN SVR-TVIWPSO," 2015.
- [24] U. Raza, P. Kulkarni and M. Sooriyabandara, "Low Power Wide Area Networks: An Overview," *IEEE Communications Society*, vol. 19, no. 2, pp. 855 - 873, 2017.

[25] A. A. Pasi and U. Bhave, "Flood Detection System Using Wireless Sensor Network," vol. 5, no. 2, 2015.