

## DAFTAR PUSTAKA

- [1] Multijatiningrum dan Sukmana, "Biogas dari Limbah Ternak", Nuansa, Bandung, 2011.
- [2] S. Dedgaokar, A. Mahire, A. Jadhav, S. Pawar and R. Bane, "Biogas Monitoring System for Measuring Volume using Micro-controller & GSM", International Journal of Current Engineering and Technology, 2016.
- [3] A. Juangga, "Biogas untuk Masa Depan Pengganti BBM," *Jurnal Ilmiah*, 2007.
- [4] W. A. Ahmed, M. Aggour and F. Berrani, "Smart System for Biogester Monitoring," 3rd International Renewable and Sustainable Energy Conference (IRSEC), 2015.
- [5] S. Utami, P. Iriani and Y. Suprianti, "Sistem monitoring Ph dan Volume Biogas Digester Dua Tahap menggunakan mikrokontroler," 2018.
- [6] F. Xia, L. Yang, L. Wang and A. Vinel, "Internet of Things," International Journal of Communication System, 2012.
- [7] D. J. Batstone, J. Keller and L. L. Blackall, "The influence of substrate kinetics on the microbial community structure in granular anaerobic biomass," Water Research, 2004.
- [8] M. S. Switzenbaum, E. Giraldo-Gomez and R. F. Hickey, "Monitoring of the anaerobic methane fermentation process," Enzyme and Microbial Technology, 1990.
- [9] I. M. Kurniawan, M. R. Kirom and A. Suhendi, "Analisis pengaruh nilai pH terhadap produksi biogas," Universitas Telkom, 2017.
- [10] R. A. Koestoer, "PENGUKURAN TEKNIK," in *PENGUKURAN TEKNIK*, Jakarta, Departemen Teknik Mesin Fakultas Teknik Universitas Indonesia, 2004.
- [11] HoneyWell, Hall Effect Sensing and Application, USA: Micro-SWITCH Sensing and Control.
- [12] idschool.net, "Rumus Debit Volume Waktu," 27 Maret 2019. [Online]. Available: <https://idschool.net/sd/rumus-debit-volume-waktu/>. [Accessed 5 November 2019].
- [13] M. Miller, "The Internet Of Things," Que Publishing, 2001.
- [14] B. Drosig, Process monitoring in biogas plants, Austria: IEA BIOENERGY, 2013.
- [15] A. Digmesa, "FHKSC Arnite 3.9mm ball catch fitting with double isolation," Switzerland.
- [16] Arduino, "Arduino Nano v2.3 User Manual," [Online]. Available: <https://www.arduino.cc/en/uploads/Main/ArduinoNanoManual23.pdf>. [Accessed 5 November 2019].
- [17] SIMCom, "SIM800L Hardware Design V1.00," SIMCom, Shanghai, 2013.

- [18] Sidiq Choirul Anwar, Frida Agung, Retno Rahmawati, “Perangkat Sistem Pengukuran Konsentrasi Gas Metana Pada Biogas dari Hasil Fermentasi Enceng Gondhok berbasis sensor TGS 2611”, *Jurnal Ilmiah*, 2018.
- [19] Teori Dasar Elektronika, “Sensor Gas Methane TGS 2611”, [Online]. Available:<https://elektronika-dasar.web.id/sensor-gas-methane-tgs2611/#:~:text=Sensor%20gas%20TGS%202611%20adalah,adanya%20gas%20methane%20disekitar%20sensor>. [Accessed 10 November 2020].
- [20] M. Havif, “Rancang Bangun Sistem Pemantau Suhu Kelembaban Konsentrasi Gas Metana terhadap Tanaman Padi”, *Skripsi*, 2017.
- [20] A. Wahyudi dan L. Hendraningsih, BIOGAS Fermentasi Limbah Peternakan, Malang : Universitas Muhammadiyah Malang, 2020.
- [21] Bacaterus.com, “Bacaterus.com”, 29 Mei 2020. [Online]. Available : <https://bacaterus.com/cara-membuat-biogas-dari-sampah-organik/>. [Accessed 6 Juni 2020].
- [22] N. Hidayati Lusita D., M. F. Rohmah dan S. Zahara. “Prototype Smart Home Dengan Modul NODEMCU ESP8266 Berbasis Internet of Things (IOT)”, 2019. [Online]. Available : <http://repository.unim.ac.id/265/>. [Accessed 20 Desember 2020].
- [24] Catfish Fabrication. “Industri bibit lele dan patin”, Oktober, 2014. [Online]. Available : <https://empangqq.com/2014/10/11/definisi-part-per-million-ppm/>.
- [25] Arif Haidar. “Rancang Bangun Sistem Pengukuran Volume produksi biogas dan pemantauan berbasis IoT”, Universitas Telkom, 2020.
- [26] Rahina Satria M. “Rancang Bangun Sistem Monitoring Gas Metana pada reaktor biogas berbasis IoT”, Universitas Telkom, 2020.
- [27] A.Bahri Joni M ,Slamet Widodo, Jaksen M.Amin, Ona Anisa. “Rancang Bangun Alat Pengukuran Kadar Gas Metana (CH<sub>4</sub>) Pada Lahan Gambut berbasis IoT”, Politeknik Negeri Sriwijaya Palembang, 2019.