

## DAFTAR PUSTAKA

- [1] K. E. d. S. D. M. B. Geologi, "Badan Geologi Pusat Vulkanologi dan Mitigasi Bencana Geologi," 3 Juni 2014. [Online]. Available: <https://vsi.esdm.go.id/index.php/gunungapi/data-dasar-gunungapi/542-g-merapi?start=2>. [Accessed 11 Desember 2021].
- [2] B. Santoso, "BPPTKG: Aktivitas seismik Gunung Merapi masih tinggi," ANTARA NEWS.COM, 2021.
- [3] Hasani, "PEMANTAUAN GAS BERACUN PADA KAWAH GUNUNG BERBASIS INTERNET OF THINGS (IOT)," p. 17, 2018.
- [4] W. S. N. P. S. Michael Angelo Vincensio Simon, "RANCANG BANGUN SISTEM PERINGATAN DINI BAHAYA AKTIVITAS GUNUNG BERAPI BERBASIS MIKROKONTROLER ARDUINO," *Jurnal SPEKTRUM*, vol. 7, 2020.
- [5] E. T. Prasongko, Gunung Berapi di Indonesia, Pleburen, Kecamatan Semarang Selatan: Alprin, 2008.
- [6] HMGF, "Geofisika dan Gunung Api," UGM, 2015. [Online]. Available: <https://hmgf.fmipa.ugm.ac.id/geofisikadan-gunung-api/>. [Accessed Rabu September 2020].
- [7] B. P. D. P. T. K. G. (BPPTKG), "PEMANTAUAN GUNUNG MERAPI," Badan Geologi, Yogyakarta.
- [8] U. HASNITA, "STUDI EFEKTIVITAS SENSOR ACCELEROMETER MPU 6050 SEBAGAI PENDETEKSI GETARAN SECARA NIRKABEL," 2018.
- [9] I. Inc., "ALLDATASHEET," [Online]. [Accessed 21 September 2021].
- [10] P. Kristin, "<http://eprints.polsri.ac.id/>," 2016. [Online]. Available: <http://eprints.polsri.ac.id/4010/3/File%20III.pdf>. [Accessed 8 Desember 2021].
- [11] Y. A. W. PUTRA, "KONTROLER LENGAN ROBOT BERBASIS SMARTPHONE ANDROID," 2015.

- [12] Unknown, "ATMega328 (konfigurasi pin)," Ramdhon Electrical Interface, 2014.
- [13] T. Pustaka, "elib.unikom," Januari 2017. [Online]. Available: [https://elib.unikom.ac.id/files/disk1/719/jbptunikompp-gdl-stevenrmca-35903-10-unikom\\_s-i.pdf](https://elib.unikom.ac.id/files/disk1/719/jbptunikompp-gdl-stevenrmca-35903-10-unikom_s-i.pdf). [Accessed 19 Juni 2021].
- [14] SIMCOM, "component101," [Online]. Available: [https://elib.unikom.ac.id/files/disk1/719/jbptunikompp-gdl-stevenrmca-35903-10-unikom\\_s-i.pdf..](https://elib.unikom.ac.id/files/disk1/719/jbptunikompp-gdl-stevenrmca-35903-10-unikom_s-i.pdf..) [Accessed 19 Juni 2021].
- [15] A. Tecno, "Akses LCD 16x2," <http://reehokstyle.blogspot.com/>, 2010.
- [16] MR.RIFANSYAH, "eprints.polsri," 2017. [Online]. Available: [http://eprints.polsri.ac.id/4642/9/18\\_DATASHEET%20LCD.pdf](http://eprints.polsri.ac.id/4642/9/18_DATASHEET%20LCD.pdf). [Accessed Agustus 2021].
- [17] T. Instruments, "ti.com," [Online]. Available: [https://www.ti.com/lit/ds/symlink/lm2596.pdf?ts=1635735970180&ref\\_url=https%253A%252F%252Fwww.google.com%252F](https://www.ti.com/lit/ds/symlink/lm2596.pdf?ts=1635735970180&ref_url=https%253A%252F%252Fwww.google.com%252F). [Accessed Agustus 2021].
- [18] L. LISYAH, "eprints.polsri.ac.id," 2017. [Online]. Available: <http://eprints.polsri.ac.id/4551/3/FILE%20III.pdf>. [Accessed 10 Oktober 2021].
- [19] I. S. V. Kharti, "Mengenal Energi dalam Fisika," Ruang Guru, 2020.
- [20] "<https://sumber.belajar.kemdikbud.go.id/>," kemdikbud.go.id, [Online]. Available: <https://sumber.belajar.kemdikbud.go.id/repos/FileUpload/Energi%20Potensial%20-%20BPSMG/index.html>. [Accessed Desember 2021].
- [21] Y. Febriani, "ANALISIS PERCEPATAN GETARAN TANAH MAKSIMUM DI WILAYAH KABUPATEN ROKAN HULU AKIBAT GEMPA BUMI SUMATERA BARAT," *Jurnal Ilmiah Edu Research*, vol. 4, no. 2, 2015.
- [22] I. ZULFA, "Penentuan Resiko Gempa Bumi Berdasarkan Pola Percepatan Getaran Tanah Maksimum Dengan Metode Atkinson Boore," 2018.
- [23] K. E. d. S. D. Mineral, "G. Galunggung - Sejarah Letusan," 02 Juni 2014.

- [24] M. A. V. Simon, W. Setiawan and . N. P. Sastra, "RANCANG BANGUN SISTEM PERINGATAN DINI BAHAYA AKTIVITAS GUNUNG BERAPI BERBASIS MIKROKONTROLER ARDUINO," *SPEKTRUM*, vol. 7, no. 3, p. 13, 2020.
- [25] ATMEL, "microchip," [Online]. Available: [https://ww1.microchip.com/downloads/en/DeviceDoc/Atmel-7810-Automotive-Microcontrollers-ATmega328P\\_Datasheet.pdf](https://ww1.microchip.com/downloads/en/DeviceDoc/Atmel-7810-Automotive-Microcontrollers-ATmega328P_Datasheet.pdf). [Accessed 19 Juni 2021].
- [26] S. Mujahid, S. Mujahid, B. Irawan and C. Setianingsih, "PERANCANGAN PROTOTIPE SISTEM PERINGATAN DINI TANAH LONGSOR BERBASIS INTERNET OF THINGS," *e-Proceeding of Engineering*, vol. 7, p. 1651, 2020.
- [27] A. S. SEMBIRING, "RANCANGBANGUN ALAT PENDETEKSI GETARAN DENGAN METODE BANDUL MENGGUNAKAN SENSOR MPU6050 BERBASIS ATMEGA32," 2017.
- [28] U. HASNITA, "STUDI EFEKTIVITAS SENSOR ACCELEROMETER MPU 6050 SEBAGAI PENDETEKSI GETARAN SECARA NIRKABEL," 2018.
- [29] E. Pratama, "elibrary.unikom," 2019. [Online]. Available: [https://elibrary.unikom.ac.id/id/eprint/2532/10/UNIKOM\\_Egi%20Pratama\\_Bab%204.pdf](https://elibrary.unikom.ac.id/id/eprint/2532/10/UNIKOM_Egi%20Pratama_Bab%204.pdf). [Accessed 10 Oktober 2021].
- [30] H. Santoso, E. W. Quszaini and A. H. Andriawan, ST.,MT, "ALAT PENDETEKSI GEMPA BUMI MENGGUNAKAN SENSOR ACCELEROMETER MPU 6050 DAN SOLLAR CELL SEBAGAI SUMBER ENERGI LISTRIK," *Jurusan Teknik Ekektro Universitas 17 Agustus 1945 Surabaya*.
- [31] A. Kartika, . S. Prabowo, S.T., M.T and D. M. Abdurohman, S.T., M.T, "Perancangan Alat Pendeteksi Gempa Menggunakan Sensor Accelerometer dan Pengklasifikasian Menggunakan Metode Support Vector Machine," *Fakultas Informatika, Universitas Telkom, Bandung* .
- [32] G. Gumilar and H. H. Rachmat, "Sistem Pendeteksi Jatuh Wireless Berbasis Sensor Accelerometer," *Jurusan Teknik Elektro, Institut Teknologi Nasional Bandung*.

- [33] A. M. Nur, "GEMPA BUMI, TSUNAMI DAN MITIGASINYA," *Balai Informasi dan Konservasi Kebumihan Karangasambung – LIPI, Kebumen.*
- [34] S. M. Elsa Putri Saptorini dan Ema., "PEMBUATAN SIMULASI PENDETEKSI GETARAN SEBAGAI PERINGATAN DINI TERJADINYA GEMPA BUMI," *Program Studi Listrik Pesawat, Fakultas Teknik.*