



DAFTAR PUSTAKA

- Ambarsari, D., 2017, Analisis Mikrotremor dengan Metode HVSR untuk Mikrozonasi Kabupaten Gunungkidul Yogyakarta: Institut Teknologi Sepuluh Nopember.
- BNPB, 2016, Risiko Bencana Indonesia: Jakarta.
- BPBD DIY, 2021, Data dan Informasi Bencana Indonesia: 1–2 p.
- Brotopuspito, K., Prasetya, T., dan Widigdo, F., 2006, Percepatan Getaran Tanah Maksimum Daerah Istimewa Yogyakarta 1943 – 2006, Jurnal Geofisika 1: 19 – 22.
- Buana, L.A.T.A., 2019, Mikrozonasi Bahaya Gempabumi Menggunakan Analisis Mikrotremor Metode HVSR di Kawasan Wisata Sembalun, Kabupaten Lombok Timur, Provinsi Nusa Tenggara Barat: Universitas Gadjah Mada, Yogyakarta.
- Connor, C.B., Chapman, N.A., dan Connor, L.J., 2009, Volcanic and tectonic hazard assessment for nuclear facilities: v. 9780521887, 1–657 p., doi:10.1017/CBO9780511635380.
- Daryono, 2011, Indeks Kerentanan Seismik Berdasarkan Mikrotremor Pada Setiap Satuan Bentuklahan di Zona Graben Bantul Daerah Istimewa Yogyakarta: Universitas Gadjah Mada, Yogyakarta.
- Daryono, dan Pandita, H., 2015, Identifikasi Umur dan Lingkungan Pengendapan Formasi Kepek di Desa Kepek 2 Kecamatan Kepek Kabupaten Gunungkidul: Prosiding Seminar Nasional ReTII ke-10 2015, p. 1–9.
- Earthquake Engineering Research Institute, 2006, Learning from Earthquake The M w 6.3 Java, Indonesia , Earthquake of May 27, 2006: EERI Special Earthquake Report,.
- Fitrianingtyas, R., Firdaus Al Hakim, M., Wibowo, A., dan Khafidh Nur Aziz, dan, 2023, Analisis Seismisitas Di Yogyakarta Berdasarkan Hasil Relokasi Hiposenter Menggunakan Metode Double-Difference Seismicity Analysis in Yogyakarta Based on Hypocenter Relocation Using Double-Difference Method: J. Sains Dasar, v. 12, p. 62–70, doi:10.21831/jsd.v12i1.60118.
- Hadi, A.I., Farid, M., Refrizon, R., Harlianto, B., Hudayat, N., dan Krisbudianto, M., 2021, Pemetaan Potensi Kerentanan Gempabumi Pada Kota Bengkulu Menggunakan Data Mikrotremor dan Metode Analytical Hierarchy Process: Jurnal Fisika Flux: Jurnal Ilmiah Fisika FMIPA Universitas Lambung Mangkurat, v. 18, p. 105–118, doi:10.20527/flux.v18i2.9479.
- Husein, S., dan Karnawati, D., 2007, Kontrol Geologi terhadap Respon Lahan dalam Gempabumi Yogyakarta 27 Mei 2006: upaya pembuatan peta zonasi



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SALSABILA ATALIEANI ANDIANA, Saptono Budi Samodra, S.T., M.Sc.; Nugroho Budi Wibowo, S.Si., M.Si.

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mikro di daerah Bantul South Makassar Basin Research View project Sunda Oroclines View project, *in* Proceeding Seminar Nasional 2007 Geotechnics for Earthquake Engineering, p. 1–9, doi:10.13140/RG.2.1.2194.2487.

Husein, S., dan Srijono, 2010, Peta Geomorfologi Daerah Istimewa Yogyakarta: Simposium Geologi Yogyakarta, p. 1–6, doi:10.13140/RG.2.2.10627.50726.

Karnawati, D., Husein, S., Pramumijoyo, S., Ratdomopurbo, A., Watanabe, K., dan Anderson, R, 2007, The Yogyakarta Earthquake of May 27, 2006. Star Publishing Company Inc. Belmont, CA.

Kartikasari, E., 2016, Mikrozonasi Seismik di Kota Pacitan dengan Menggunakan Data Mikrotremor Berdasarkan HVSR (Horizontal To Vertical Spectral Ratio) dan SAW (Simple Additive Weight): Universitas Gadjah Mada, Yogyakarta.

Keefer, D.K., 2000, Statical analysis of an earthquake-induced landslide distribution - The 1989 Loma Prieta, California event: Engineering Geology, v. 58, p. 231–249, doi:10.1016/S0013-7952(00)00037-5.

Kementerian Pekerjaan Umum, 2007, Peraturan Menteri Pekerjaan Umum No. 21/PRT/M/2007: Pedoman Penataan Ruang Kawasan Rawan Letusan Gunung Berapi dan Kawasan Rawan Gempa Bumi:, www.pu.go.id.

Khayati, N.N., Sudarmaji, dan Hartantyo, E., 2022, The Effect of Weathered Layer Thickness and Slope on Potential Areas of Landslides in Gerbosari Village, Samigaluh District, Kulonprogo Regency, Indonesia: Journal of Geoscience, Engineering, Environment, and Technology, v. 7, p. 124–131, doi:10.25299/jgeet.2022.7.3.9161.

Koesuma, S., Hatmo Putera, M.A., dan Darsono, D., 2019, A microtremor analysis for microzonation of seismic vulnerability index by using horizontal to vertical spectral ratio in the southern area of Klaten regency: Journal of Physics: Conference Series, v. 1153, doi:10.1088/1742-6596/1153/1/012023.

Kurniawati, I., Wibowo, N.B., dan Darmawan, D., 2017, Analisis Mikrotremor Untuk Mikrozonasi Indeks Kerentanan Seismik di Kawasan Jalur Sesar Sungai Oyo Yogyakarta: Jurnal Ilmu Fisika dan Terapannya, v. 6, p. 88–93, <https://journal.student.uny.ac.id/index.php/fisika/article/view/6899>.

Laporte, M., 2007, Taurus Seismograph Overview: Nanometrics Inc.

Lu Dong, Xu, H., Fan, P., dan Wu, Z., 2021, On the Experimental Determination of Poisson's Ratio for Intact Rocks and Its Variation as Deformation Develops: Advances in Civil Engineering, v. 2021, doi:10.1155/2021/8843056.

Lutgens, F.K., dan Tarbuck, E.J., 2012, Essentials of Geology: New Jersey, Pearson Prentice Hall.

Marjiyono, Ratdomopurbo, Suharna, Zajuli, H.M.H., dan Setianegara, R., 2014,



Nakamura, Y., 1989, A Method for Dynamic Estimation of Subsurface Using Microtremor on the Ground Surface: v. 30, p. 25–33.

Nakamura, Y., 2000, Clear identification of fundamental idea of Nakamura's technique and its applications: Proceedings of the 12th world conference on ..., p. Paper no. 2656, http://www.sdr.co.jp/papers/n_tech_and_application.pdf.

Nur, A.M., 2010, Gempa Bumi, Tsunami dan Mitigasinya: Jurnal Geografi, v. 7, p. 66–73.

Pramumijoyo, S., 2009, Road to earthquake mitigation: Lesson learnt from the Yogyakarta earthquake 2006: Journal of Applied Geology, v. 1, p. 32–36, doi:10.22146/jag.6672.

Rahardjo, W., Sukandarrumidi, dan Rosidi, H.M.D., 1995, Peta Geologi Lembar Yogyakarta, Jawa: Bandung, Pusat Penelitian dan Pengembangan Geologi.

Ratdomopurbo, A. dan Suharna, 2008, Pedoman Pemetaan Mikrozonasi, Badan Geologi Departemen Energi dan Sumberdaya Mineral. Bandung.

Rezaei, S., dan Choobbasti, A.J., 2017, Application of the microtremor measurements to a site effect study: Earthquake Science, v. 30, p. 157–164, doi:10.1007/s11589-017-0187-2.

Riswandi, H., Ikhsan, Maharani, Y.N., Wijayanto, Sunardi, B., Ekarsti, A.K., Rizkianto, Y., dan Syaifudin, M., 2023, Pemetaan Mikrozonasi Bahaya Gempabumi Sebagai Upaya Pengurangan Resiko Bencana di Yogyakarta: Jurnal Mineral, Energi, dan Lingkungan, v. 7, p. 23–34.

Saaty, T.L., 2008, Decision Making with the Analytic Hierarchy Process: International Journal of Services Sciences, v. 1, p. 83–98, doi:10.1108/JMTM-03-2014-0020.

Saaty, T.L., 1980, The Analytic Hierarchy Process: New York, doi:10.1201/9780429504419-2.

Sari, M.A., Wibowo, N.B., dan Darmawan, D., 2017, Pemetaan Percepatan Gerakan tanah Maksimum dan Intensitas Gempabumi di Kawasan Jalur Sesar Sungai Oyo Yogyakarta: Jurnal Ilmu Fisika dan Terapannya, v. 6, p. 101–107.

Serlia, A., Cahyono, A.B., dan Handayani, H.H., 2021, Pemetaan Risiko Gempa Bumi Berbasis Sistem Informasi Geografis dan Analytic Hierarchy Process (AHP) (Studi Kasus: Kota Banda Aceh): Jurnal Teknik ITS, v. 10, doi:10.12962/j23373539.v10i2.79827.

SESAME European Research Project, 2004, Guidelines for the Implementation of



Sharon, M., Sagy, A., Kurzon, I., Marco, S., dan Rosensaft, M., 2020, Assessment of seismic sources and capable faults through hierachic tectonic criteria: Implications for seismic hazard in the Levant: Natural Hazards and Earth System Sciences, v. 20, p. 125–148, doi:10.5194/nhess-20-125-2020.

Steiguer, J.E., Duberstein, J., dan Vicente, L., 2003, The analytic hierarchy process as a means for integrated watershed management: ... on the Watersheds, p. 736–740, <http://www.tucson.ars.ag.gov/icrw/proceedings/steiguer.pdf>.

Sunantyo, T., Pramumijoyo, S., dan Husein, S., 2014, Pengukuran Jaring Pemantau Tahun 2013 dan Pemetaan Geologi di Kawasan Sekitar Sesar Opak, Provinsi DIY: Annual Engineering Seminar, p. 41–50.

Surono, 2009, Litostratigrafi Pegunungan Selatan Bagian Timur Daerah Istimewa Yogyakarta dan Jawa Tengah: Jurnal Geologi dan Sumberdaya Mineral, v. 19, p. 209–221.

USGS, 2012, Which country has the most earthquakes? usgs.gov, <https://www.usgs.gov/faqs/which-country-has-most-earthquakes> (accessed Februari 2024).

van Bemmelen, R.W., 1949, The Geology of Indonesia. General Geology of Indonesia and Adjacent Archipelagoes: Government Printing Office, The Hague, p. 1–766.

Wibowo, N.B., Fathani, T.F., Pramumijoyo, S., dan Marliyani, G.I., 2023, Microzonation of Seismic Parameters in Geological Formation Units Along the Opak River Using Microtremor Measurements: International Journal of GEOMATE, v. 25, p. 208–219, doi:10.21660/2023.110.4017.