

DAFTAR PUSTAKA

- Abdisalam, R., Bronto, S., Harijoko, A., dan Hendratno A., 2009, *Identifikasi Gunung Api Purba Karangtengah di Pegunungan Selatan, Wonogiri, Jawa Tengah*, *Jurnal Geologi Indonesia*, Vol. 4, No.4, Desember 2009, Hal253- 267.
- Afnimar. 2009. *Seismologi*. Penerbit ITB, Bandung
- Albarelo, D., and Lunedei, E.(2010). *Alternative interpretations of horizontal to vertical spectral ratios of ambient vibrations: new insights from theoretical modeling*. *Bulletin of Earthquake Engineering* 8, 519-534.
- Aster, Rick. (2011). *The Seismic Wave Equation*. New Mexico: New Mexico Institute of Mining and Technology.
- BAPEKOINDA. (2002). *Pedoman Teknis Pemetaan Zona Kerentanan Gerakan Tanah di Propinsi DIY. Laporan Akhir Penelitian*. Yogyakarta: Bapekinda dan Teknik Geologi UGM.
- Bemmelen, R.W. Van., 1949. *The Geology of Indonesia*, Vol. 1 A, Government Printing Office, The Hauge.
- Bemmelen, van, R.W., 1949, *The Geology of Indonesia*, Martinus Nyhoff, The Haque, Nederland.
- Berthommier, P. 1990. *Etude volcanologique du Merapi (Centre-Java) Tephrostratigraphic et Chronologie-produits eruptifs*. France: University of Blaise Pascal.
- BMKG. (1998). Sumberdaya Geologi. Buletin Meteorologi dan Geofisika No. 4. Jakarta : BMKG.
- BMKG. (1998). Sumberdaya Geologi. Buletin Meteorologi dan Geofisika No. 4. Jakarta : BMKG.
- Bolliger, W. dan De Ruiter, P.A.C. (1975). *Geology of South Central Java Offshore Area*. *Proceedings of Indonesian Petroleum Association, 4th Annual Convention, Jakarta 67-8*
- Bothe, A.CH.D., 1929,. *Jiwo Hill and Southern range*. Excurtion Fourt guide, Pasific Science Congress, Bandung.
- BPBD. (2016) Peta Zonasi Kerentanan Tanah Kabupaten Sleman
- Braile, Lawrence W. (2006). *Seismic Wave and Slinky*. Indiana: Purdue University.
- Bronto, S. dan Hartono, H.G., (2001), *Panduan Ekskursi Geologi Kuliah Lapangan 2*, STTNAS: Yogyakarta.

- Christady, Hary Hardiyatmo. 2012. Tanah Longsor dan Erosi. Gajah Mada University Press. Yogyakarta.
- Daryono, Sutikno. dan Prayitni, Bambang Setio. (2009). Data Mikrotremor dan Pemanfaatannya untuk Pengkajian Bahaya Gempabumi. Yogyakarta: Badan Meteorologi Klimatologi dan Geofisika.
- Daryono. (2010). Aktifitas Gempabumi Tektonik di Yogyakarta Menjelang Erupsi Merapi 2010. Yogyakarta: Badan Meteorologi Klimatologi dan Geofisika.
- Dentith, (2014). *Geophysics for the Mineral Exploration Geoscientist*
- Diandong, R, R. Fu, L.M. Leslie, and R.E. Dickinson, 2011, *Predicting Storm-triggered Landslides. Bull. Amer. Meteor. Soc.*, 92, 129–139.
- Douglas, John. (2011). Ground-motion Prediction equations 1964-2010. Berkeley: BRGM.
- Elnashai, S.A. dan Sarno, D.L. (2008). *Fundamental of Earthquake Engineering*. Wiley. Hongkong.
- Fah, D, dkk. (2006). *H/V Ratio: A Tool for Site Effects Evaluations*. Results from
- Gadallah, R.M. dan Fisher, R., 2009, *Exploration Geophysics*, Springer: Berlin.
- Harahap, Reza Agus Parlindungan. Dkk. 2013. “Analisa Mikrotremor Dengan Metode HVSR (*Horizontal to Vertical Spectral Ratio*) untuk Pemetaan Mikrozonasi di Kelurahan Kejawan Putih Tambak Surabaya”. *Jurnal Teknik Pomits*. Vol 1. No 1. Pp 1-4.
- Huang, H.C., Tseng, Y.S., 2002, *Characteristics of soil liquefaction using H/V of microtremors in Yuan-Lin Area, Taiwan*, TAO, Vol. 13, No. 3, 325-338, September 2002.
- Kanai. (1966). *Improved Empirical Formula For Characteristics Of Stray [sic] Earthquake Motion*. Pages 1-4 Of: *Proceedings Of The Japanese Earthquake Symposium*. Not Seen. Reported In Trifunac & Brady (1975).
- Kanai. (1983). *Seismology and Engineering*. Japan. Tokyo University.
- Karyono. dkk. (2016). “Kajian Kerentanan Tanah Berdasarkan Analisis HVSR di Daerah Semburan Lumpur Sidoarjo dan Sekitarnya, Jawa Timur, Indonesia”. *Jurnal Meteorologi dan Geofisika* Vol. 17 No. 1. Pp 61-6.
- Kirbani. (2012). *Mitigasi Bencana Gempabumi*. Yogyakarta: Pusat Studi Bencana: UGM.
- Konno, K. dan T. Ohmachi, 1998. “*Ground-Motion Characteristics Estimated from Spectral Ratio Between Horizontal and Vertical Components of Microtremor*”. *Bull. Seism. Soc. Am.* 88, 228-241.

- Lachet, C., dan Brad, P.Y., (1994). *Numerical and Theoretical Investigations on The Possibilities and Limitations of Nakamura's Technique*. J. Phys.Earth, 42, 377-397.
- Lay, Thorne dan Terry C. Wallace. (1995). *Modern Global Sismology*. California: Academic Press
- Manur H. dan Barraclough R. 1994. *Structural Control on Hydrocarbon Habitat in the Bawean area*. Proceedings Indonesian Petroleum Association, 23th Annual Convention, 129-144
- Metcalf, I., 1996, *Pre- Cretaceous Evolution of SE Asian Terranes, from Hall, R & Blundells, D (eds), 1996, Tectonic Evolution of Southeast Asia*, Geological Society Special Publication No.106, pp 97-122.
- Mucciarelli, M., dan Gallipoli, M.R. (2004). *The HVSR Technique from Microtremor to Strong Motion: Empirical and Statistical Considerations*. 13th World Conference on Earthquake Engineering. Vancouver, B.C.,Canada, Paper No.45
- Muntohar, A. S. (2010). Mikrozonasi Potensi Likuifaksi dan Penurunan Tanah Akibat Gempa Bumi. Penelitian Dosen. Yogyakarta: UMY.
- Najoan, Th.F., Soeroso, D. dan Rukhijat, S. (1996), *Peta Zona Gempa Dan Cara Penggunaannya Sebagai Usulan Dalam Perencanaan Bangunan Pengairan Tahan Gempa*, Journ. Litbang Air, no. 36, Th. II-KWI.
- Nakamura, Y. (1989). *A Method for Dynamic Characteristics Estimation of Subsurface Using Microtremor on the Ground Surface*. Quarterly Report of Railway Technical Research Inst. (RTRI) 30, 25-33.
- Nakamura, Y. (2000). *Clear Identification of Fundamental Idea of Nakamura's Technique and Its Application*. Japan: Tokyo University.
- Nakamura, Y. (2000). *Real Time Information Systems for Seismic Hazards Mitigation UrEDAS, HERAS and PIC*. Japan: Quarterly Report of RTRI, Vol. 37, No. 3.
- Nakamura, Y. and Saito, A. (1983). *Estimations of Seismic Response Characteristics and Maximum Acceleration of Surface Ground using Strong Motion Records (in Japanese)*. Proc. 17th JSCE Earthquake Eng. Symposium, 25-28
- Nakamura, Y., (2008), *On the H/V Spectrum*. The 14 th World Conference on Earthquake Engineering, Beijing, China
- Nandi. (2007). Longsor. Handout Jurusan Pendidikan Geografi. Bandung: UPI.

- Nirmayanti. (2017). Identifikasi Daerah Rawan Longsor Di Kecamatan Camba Kabupaten Maros Menggunakan Mikrotremor. Skripsi. Fakultas Sains dan Teknologi. Fisika. Makassar : Universitas Alaudin
- Pitilakis, K., Apostolidis, P., dan Raptakis, D. (2004). *The use of microtremors for the definition of soil properties and bedrock depth in an urban area. 13th World Conference on Earthquake Engineering, Vancouver, B.C., Canada August 1-6, Paper No. 2770.*
- Prasetyadi, C., 2007. *Evolusi Tektonik Jawa Bagian Timur*. Dr Disertasi pada Program Studi Teknik Geologi Institut Teknologi Bandung, h. 177- 194.
- Rahardjo, Wartono, dkk., 1995, *Peta Geologi Lembar Yogyakarta, Jawa*, Pusat Penelitian dan Pengembangan Geologi, Bandung
- Rahardjo, Wartono. 2007. *Foraminiferal Biostratigraphy of Southern Mountains Tertiary Rocks, Yogyakarta Special Province*. Seminar dan Workshop Pegunungan Selatan, Yogyakarta (tidak diterbitkan)
- Sartono, S. 1964. *Stratigraphy and sedimentation of the eastern most part of Gunung Sewu (East Java)*. Publikasi Teknik 1: 30-34. Bandung: Fakultas Teknik ITB.
- SESAME European Research Project. (2004). *Guidelines for The Implementation of The H/V Spectral Ratio Technique on Ambient Vibration: Measurements, Processing and Interpretation.*
- Setiawan J.R. 2009. Mikrozonasi Seismitas Daerah Yogyakarta Dan Sekitarnya. Tesis. Bandung: Institut Teknologi Bandung
- Sheriff, R.E. and Geldart, L.P., 1995, *Exploration Seismology*, Cambridge University Press, Second Edition.
- Smyth, H, R. Hall, J. Hamilton and Kinny, 2011. *A-Toba scale eruption in the Early Miocene: The Semilir eruption, East Java, Indonesia*. Elsevier B. V.
- Soenarmo, S.H., I.A. Sadisun, & E. Saptohartono. 2008. *Kajian Awal Pengaruh Intensitas Curah Hujan Terhadap Pendugaan Potensi Tanah Longsor Berbasis Spasial di Kabupaten Bandung, Jawa Barat*. Jurnal Geoaplika, Volume 3, No. 3, Hal 133-141.
- Sonjaya, S. Irman. (2008). Pengenalan Gempa Bumi. Workshop ASEAN Regional Climates Validation Models. Yogyakarta
- Sugito dkk, 2015, Rancangan bangun sistem pengukuran pergeseran tanah menggunakan sensor variabel resistor.
- Sumarso dan Ismoyowati, T. (1975)- *Contribution to The Stratigraphy of The Jiwo Hills and Their Southern Surroundings (Central Java)*. Proceedings Indonesian Petroleum Association 4th Annual Convention, vol. 2, pp 19-26, 2006.

- Suripin. 2002. *Pelestarian Sumber Daya Tanah dan Air*. Yogyakarta: Penerbit Andi.
- Surono (2009) -*Litostratigrafi pegunungan selatan bagian timur Daerah Istimewa Yogyakarta dan Jawa Tengah*. Jurnal Sumber Daya Geologi. Vol. 19 Pusat Survei Geologi, Bandung, 209- 221.
- Surono, Toha, B. dan Sudarno, I, 1992. *Peta Geologi Lembar Surakarta-Girintontro, Jawa, Skala 1: 100.000*. Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Susilawati. 2008. Karya Ilmiah: Penerapan Penjalaran Gelombang Seismik Gempa Pada Penelaahan Struktur Bagian Dalam Bumi, Universitas Sumatera Utara (USU), Medan.
- Bath, M., 1979, *Introduction to Seismology: A Halsted Press Book*.
- Susilo, J. 2008. *Pengembangan Model SIG Penentuan Kawasan Rawan Longsor Sebagai Masukan Rencana Tata Ruang (Studi Kasus : Kab. Tegal)*. Tugas Akhir Fakultas Teknik Jurusan Perencanaan Wilayah dan Kota. Semarang: Universitas Diponegoro
- Suyoto. 1994. *Stratigrafi Sikuen Cekungan Depan Busur Neogen Jawa Selatan Berdasarkan Data di Daerah Pegunungan Selatan*, Yogyakarta. Disertasi Doktor. Jurusan Teknik Geologi ITB (tidak diterbitkan)
- Telford. W.M., (1992). *Applied Geophysics Second Edition*. New York:Cambridge University Press.
- Tohari, A. Sugianti, K. Syahbana, A. J. (2015). Kerentanan Likuifaksi Wilayah Kota Banda Aceh Berdasarkan Metode Uji Penetrasi Konus. Pusat Penelitian Geoteknologi LIPI.
- Towhata, I., 2008. *Geotechnical Earthquake Engineering*, Tokyo, Japan
- Wald D.J., Quitoriano V., Heaton T. H., and Kanamori H. (1999). Relationships between Peak Ground Acceleration, Peak Ground Velocity, and Modified Mercalli Intensity in California. *Earthquake Spectra*, 15, No.3, Agustus 1999.
- Wartono. R, S. Rumidi dan H.M.D. Rosidi, 1995 *Geologi lembar Yogyakarta – Jawa (Geology Of The Yogyakarta Quadrangle – Jawa)*, Pusat penelitian dan pengembangan geologi, Direktorat Jenderal Geologi dan Sumber Daya Mineral, Departemen Pertambangan dan Energi, Bandung
- Yagi, Yuji. (2007). *Source Mechanism*, IISSE, Japan,
- Yulistiani.(2017). Potensi Likuifaksi Berdasarkan Nilai Ground Shear Strain (GSS) di Kecamatan Prambanan dan Kecamatan Gantiwarno Kabupaten Klaten Jawa Tengah. Skripsi. FMIPA. Fisika. Universitas Negeri Yogyakarta