

DAFTAR PUSTAKA

- Aboye, S., Andrus, R., Ravichandran, N., and Harman, N., 2011, *Site Factors For Estimating Peak Ground Acceleration in Charleston, South Carolina, Based On V_{s30}* , IAEE International Symposium, University of California Santa Barbara, P. 3-4.
- Aki A., and Richard P.G., 1980, *Quantitative Seismology: Theory and Methods*, W.H.Freeman & Company.
- Allen, T. I., and Wald, D.J., 2007, *Topographic Slope as a Proxy for Seismic Site-Conditions (V_{s30}) and Amplification Around the Globe*, Geological Survey, Geological Hazard Team, USGS.
- Amin, T.C., Ratman, N., dan Gafoer, S., 1999, *Peta Geologi Lembar Jawa Tengah*, Pusat Penelitian dan Pengembangan Geologi, skala 1:500.000.
- Badan Meteorologi Klimatologi dan Geofisika (BMKG), 2015, *Katalog Gempabumi Pulau Jawa*, Jakarta:BMKG.
- Badan Nasional Penanggulangan Bencana (BNPB), 2010, *Peta Indeks Ancaman Bencana Gempabumi di Indonesia*, PMB ITB-PSB IPB-World Bank.
- Badan Nasional Penanggulangan Bencana (BNPB), 2012, *Peraturan Kepala BNPB no 02 Tahun 2012 tentang Pedoman Pengkajian Risiko Bencana*, Jakarta: BNPB.
- Badan Standarisasi Nasional, 2012, *Tata Cara Perencanaan Tahan Gempa Untuk Bangunan Gedung Dan Non Gedung (SNI 1726-2012)*, Badan Standarisasi Nasional.
- Bappenas, 2006, *Preliminary Damage and Loss Assessment, Yogyakarta and Central Java Natural Disaster*, The Consultatif Group on Indonesia, Jakarta.
- Brigham, E.O., 1998, *The Fast Fourier Transform and Its Applications*, Prentice-Hall, Inc. United State of America.
- Burger, H.R., 1992, *Exploration Geophysics of shallow Sub Surface*, Prentice Hall.
- Clements, B., Hall, R., Smyth, H.R., and Cottam, M.A., 2009, *Thrusting of volcanic arc: a new structural model for Java*, *Petroleum Geoscience* 15, 2, p. 159-174.
- Coburn, A., and Spence, R., 2002, *Earthquake Protection, Second Edition*, United Kingdom: Jhon Wiley & Sons.

- Dal Moro, G., 2010, *Insights on Surface wave dispersion and HVSR: joint analysis via Pareto optimality*, Journal of Applied Geophysics, vol.72, hal. 129-140.
- Damanik, Triyoso, W., Nugraha, A.D., dan Zen, M.T., 2012, *Studi Seismik Hazard dan analisis risiko dengan pendekatan probabilitas di Pulau Jawa*, Program Teknik Geofisika, ITB, Bandung.
- Dirk, P.K., 2011, *Monte Carlo Methods*, School of Mathematics and Physics, The University of Queensland.
- Elnashai, A.S., Kim, S. J., Yun, G. J., and Sidarta, D., 2006, *the Yogyakarta Earthquake of May 27, 2006*, Urbana:Mid America Earthquake Center, University of Illionis.
- FEMA, 2002, *Rapid Visual Screening of Building for Potential Seismic Hazards, a Hanbook FEMA 154 Edition 2*, California.
- Goser, A., Stopar, R., and Roser, J., 2008, *Comparative test of active and passive multichannel analysis of surface waves (MASW) methods and microtremor HVSR method*, RMZ-Materials and Geoenvironment, Vol.55, No. 1, pp.41-66, 2008.
- Grandis, H., 2008. *Pemodelan Inversi Geofisika*. I ed. Jakarta: Badan Meteorologi dan Geofisika.
- Hamilton, W., 1979, *Tectonics of the Indonesia region*, U.S Geological Survey, pp. 345.
- Hartono dan Bronto, 2007, *Asal-Usul Pembentukan Gunung Batur di Daerah Wediombo, Gunungkidul*, Yogyakarta, Jurnal Geologi Indonesia, vol.2. No.3 september 2007.
- Herak, M., 2008, *ModelHVSR-A Matlab tool to model horizontal to vertical spectral ratio of ambient noise*, Department of Geophysics, Faculty of Sciences, University of Zagreb, Horvatovac bb, 10 000 Zagreb, Croatia.
- Konno, K., dan Ohmachi,T., 1998, *Ground Motion Characteristics Estimated From Spevtral Ratio Between Horizontal To Vertical Components Of Microtremor*, Bulletin of the Seismological of America, 88, 1, 228-241.
- Kramer, L.S., 1996, *Geotechnical Earthquake Engineering*, University of Washington, Prentice Hall, United States of America.
- Lelean, Y.P., 2011, *Penerapan Metode Cepat Penaksiran Risiko Bangunan Terhadap Bahaya Gempabumi Studi Kasus Kota Palu, Sulawesi Tengah*, Tesis, Ilmu Lingkungan Sekolah Pascasarjana, Yogyakarta: Universitas Gadjah Mada.

- Marjiono, 2010, *Estimasi karakteristik dinamika tanah dari data mikrotremor (Studi kasus Wilayah Kota Bandung)*, Tesis, Program Studi Geofisika Terapan, ITB, Bandung.
- Mosegaard, K., and Tarantola, A., 1995, *Monte Carlo sampling of solutions to inverse problems*, Journal of Geophysical Research 100, 12431-12447.
- Mosegaard, K., and Sambridge, M., 2002, *Monte Carlo analysis of inverse problems*, Topical Review, Niels Bohr Institute department of Geophysics Denmark and Research School of Earth Sciences Australia National University, Institute of Physics Publishing.
- Naeni, S. A., dan Zarincheh, A., 2010, *Site Effects and Seismic Hazard Analysis of Kermanshah Region Of Iran*, Journal of Applied Science 10 (19): 2231-2240.
- Nakamura, Y., 1996, *Realtime Information Systems for Seismic Hazard Mitigation*, Quarterly report of Railway Technical Research Inst, (RTRI) 37, 112-127.
- Nakamura, Y., 1989, *A Method for Dynamic Characteristics Estimation of Subsurface Using Microtremor on the Ground Surface*, Quarterly Report Railway Technical Research Institute, Tokyo, Vol.30, hal. 25-33.
- Nakamura, Y., 2000, *Clear Identification of Fundamental Idea of Nakamura's Technique and Its Application*, World Conference of Earthquake Engineering.
- Nakamura, Y., 2008, *On The H/V Spectrum, The 14th Word Conference on Earthquake Engineering*, October 12-17, Beijing China.
- Nogoshi, M., and Igarashi, T., 1971, *On the Amplitude Characteristics of Microtremor (Part 2)*, Jour Seism, Soc, Japan, 24, 26-40.
- Nurjanah, Sugiharto, R., Kuswanda. D., Prasodjo, S.B., dan Prasetyo, A., 2011, *Manajemen Bencana*, Alfabeta, Bandung.
- Nurrahmi, Efendi, R., dan Sandra., 2015, *Analisisn Gelombang Geser V_{s30} menggunakan Metode Refraksi Mikrotremor (ReMi) di Kelurahan Talise*, Program Studi Fisika FMIPA, Universitas Tadulako, Palu.
- Okuma, Y., Harada, T., Yamazaki, F., and Matsuoka, M., 2000, *Site amplification characteristics in Miyazaki Prefecture, Japan*, Using microtremor and seismic record.
- Park, S., and S. Elrick, 1998, *Prediction of shear-wave velocities in southern California using surface geology*, Bull, Seism, Soc, Am., 88, 677-685.

- Parolai, S., Bormann, P., and Milkert, C., 2001, *Assessment of the Resonansi Frequency of the Sedimentary Cover in the Cologne Area (Germany) Using Noise Measurements*, Journal of Earthquake Engineering, Vol.5, pp 541-564.
- Partono, W., Irsyam, M.,Prabandiyani, S,R,W., dan Maarif, S., 2013, *Komparasi Nilai Faktor Amplifikasi Tanah Dengan Pendekatan SSA dan HVSR Pada Wilayah Kecamatan Tembalang Kota Semarang*, Teknik Vol.34 No.3 Tahun 2013, ISSN 0852-1697, Badan Nasional Penanggulangan Bencana.
- Pawirodikromo, W., 2012, *Seismologi Teknik dan Rekayasa Kegempaan*, Pustaka Pelajar, Yogyakarta.
- Said, S., 2010, *Pembentukan reservoir daerah karst pegunungan sewu, Pegunungan Selatan Jawa*, Jurnal Ilmiah MTG, Vol.3, No.5, Jurusan Teknik Geologi, FTM, UPN, Yogyakarta.
- Saputra, A., 2012, *Ekstraksi informasi geologi untuk penilaian bahaya gempabumi (earthquake hazard assessment) menggunakan citra aster di kecamatan Pleret Kabupaten Bantul*, Fakultas Geografi Universitas Muhammadiyah Surakarta.Solo.
- Schuler, J., 2008, *Joint inversion of surface wave and refracted P and S-waves*, Master of Science thesis, Eidgenossische Technische Hochschule Zurich, Swiss Federal Institute of Technology Zurich.
- SESAME, 2004, *Guidelines For The Implementation of The H/V Spectral Ratio Technique on Ambient Vibration Measurements and Interpretation*, Deliverable D23.12, University of Potsdam, http://sesame-fp5.obs.ujf-grenoble.fr/SES_Reports.htm.
- Sungkono, 2011, *Inversi Terpisah dan Simultan Dispersi Gelombang Rayleigh dan Horizontal to Vertical Spectral Ratio Menggunakan Algoritma Genetik*, Tesis, Institut Teknologi Sepuluh Nopember, Surabaya.
- Tuladhar, R., Cuong, N.N.H., and Yamasaki, F., 2004, *Seismic microzonation of Hanoi, Vietnam Using Microtremor Observations*. Pp No. 2539, 13th World conference on Earthquake engineering, Voncouver, B.C., Canada.
- Van Bemmelen, R.W., 1949, *The Geology of Indonesia v.IA*, The Hague, Gov, Printing Office, Martinus Nijhoff, 732p. Amsterdam.
- Wagner, D., Koulakov, I., Rabbel, W., Luehr, B.G., Wittwer, A., Kopp, H., Bohm, M., Asch, G., and the MERAMEX Scientists, 2007, *Joint inversion of active and passive seismic data in Central Java*, Geophys, J, Int., (2007) 170, 923-932.
- Walter, T.R., Luhr, B., Sobiesiak, M., Grosser, H., Wang, R., Parolai, S.,Wetzel, H.U., Zschau, J., Milkereit, C., and Cunther, E., 2007, *Soft volcanic*

sediment compound 2006 Java Earthquake disaster, EOS, 88(46), 486, 13
November 2007, doi:10.1029/2007EO460002.

Wair, B.R., dan Dejong, J.T., 2012, *Guidelines for estimation of shear wave velocity profiles*, Pacific Earthquake Engineering Research Center Headquarters, University of California.

Xia, J., Miller, R.D., Park, C.B., and Tiang, G., 2002, *Determining Q of near-surface materials from Rayleigh waves*, Journal, Appl. Geophys., 51, 121-129.

Xia, J., Miller, R.D., and Park, C.B., 1999, *Estimation of near-surface shear-wave velocity by inversion of Rayleigh waves*. Geophysics, Vol.64, No.3, P. 691-700.

<http://earthquake.usgs.gov/hazards/apps/Vs30/predefined.php>

<http://beritadaerah.co.id/2014/07/18/jembatan-amblas-di-jalur-pantura>

<http://jateng.tribunnews.com/2015/03/08/jalur-pantura-tegal-pemalang-banyak-lubang-dan-bergelombang>

<http://semarang.bisnis.com/read/20160215/13/85027/jalur-pantura-timur-hingga-jatim-rusak>

<http://www.suaramerdeka.com/harian/0801/24/nas20.htm>

<http://industri.bisnis.com/read/20140212/98/202682/jelajah-pantura-kondisi-jalan-di-pemalang-batang-rusak-parah>