

DAFTAR PUSTAKA

- Ahmad, I., Waseem, M., Abbas, M. dan Ayub, U., 2015, Evaluation of Shear Wave Velocity Correlations and Development of New Correlation Using Cross-hole Data, *International journal of geohazards and environment*, pp.42-51
- Alamri, A., Bankher, A., Abdelrahman, K., El-Hadidy, M. dan Zahran, H., 2020, Soil site characterization of Rabigh city, western Saudi Arabia coastal plain, using HVSr and HVSr inversion techniques, *Arabian Journal of Geosciences*, vol. 13 no.1
- Atkinson, G. dan Boore, D.M., 2003, Empirical Ground-Motion Relations for Subduction-Zone Earthquakes and Their Application to Cascadia and Other Regions. *Bulletin of the Seismological Society of America*, vol. 93 no. 4, pp.1703-1729
- Badan Informasi Geospasial, 2021, *Peta Rupa Bumi Indonesia*, Badan Informasi Geospasial, dilihat 5 Mei 2021 <https://tanahair.indonesia.go.id/portal-web/download/perwilayah>
- Badan Standarisasi Nasional, 2019, *Tata Cara Perencanaan Ketahanan Gempa Untuk Struktur Bangunan Gedung dan Non Gedung*, SNI 1726:2019, BSN Jakarta
- Bard, P., 1998, *Microtremor measurements: A tool for site effect estimation?. The effects of surface geology on seismic motion*, vol.3, pp.1251-1279, dilihat 25 Mei 2021
- Bemmelen, V. R., 1949, The Geology of Indonesia, Vol. 1A, *General Geology of Indonesia and Adjustment Archipelagos* Government Printing Office, The Haques, Amsterdam
- Bignardi, S., Yezzi, A., Fiussello, S. dan Comelli, A., 2018, OpenHVSr - Processing toolkit: Enhanced HVSr processing of distributed microtremor measurements and spatial variation of their informative content. *Computers & Geosciences*, vol.120, pp.10-20
- Bonnefoy-Claudet, S., Cotton, F. dan Bard, P., 2006, The nature of noise wavefield and its applications for site effects studies. *Earth-Science Reviews*, vol. 79 no. 3-4, pp.205-227.
- Borcherdt, R.D., 1992, 'Simplified site classes and empirical amplification factors for site-dependent code provisions'. *NCEER, SEAOC, BSSC workshop on site response during earthquakes and seismic code provisions*, Univ. Southern California, Los Angeles, California, Nov. 1992, dilihat 22 Juli 2021

Borcherdt, R.D., 1994, Estimates of site-dependent response spectra for design (methodology and justification), *Earthquake Spectra*, vol.10, pp.617–654, dilihat 22 Juli 2021

Budhitrisna, T., 1986. *Peta geologi lembar Tasikmalaya, Jawa*, Skala 1 : 100.000, Edisi 2, Pusat Penelitian dan Pengembangan Geologi, Bandung

Cornell, C. A., 1968, Engineering Seismic Risk Analysis. *Bulletin of the Seismological Society of America*, vol. 58 no.5, 1583–1606, dilihat 4 Agustus 2021

Delfebriyadi, Ferial, R., dan Bestolova A.Y., 2011, Pengukuran respons spektra Kota Padang menggunakan metoda probabilitas, *Jurnal Rekayasa Sipil*, vol. 7 no. 2, pp 61-68, dilihat 6 Agustus 2021

Du, W. dan Pan, T., 2020, Probabilistic seismic hazard assessment for Singapore, *Natural Hazards*, vol. 103 no. 3, pp.2883-2903, DOI : 10.1007/s11069-020-04107-4

Engkuy, K., 2014, *Data korelasi sondir vs prediksi jenis tanah*, Dinas Energi dan Sumber Daya Mineral, Jawa Barat

Gardner, G., Gardner, L., dan Gregory, A., 1974, Formation velocity and density - the diagnostic basic for stratigraphic traps, *Geophysics*, vol. 39, pp.770-780, dilihat 19 Agustus 2021

Geomatrix Consultants, 1994, 'Seismic ground motion study for Humboldt Bay Bridges', *Humboldt County, California*

Grandis, H., 2009, *Pengantar pemodelan inversi geofisika*, Himpunan Ahli Geofisika Indonesia, Institut Teknologi Bandung, Bandung

Gutenberg, B., dan Richter, C. F., 1944, Frequency of earthquakes in California, *Bulletin of the Seismological Society of America*, vol. 34 no.4, pp.185–188

Herak, M., 2008, Model HVSR—A Matlab® tool to model horizontal-to-vertical spectral ratio of ambient noise, *Computers & Geosciences*, vol. 34 no.11, pp.1514-1526

Hidayat, N., 2015, 'Identifikasi potensi kerusakan di Kota Bengkulu akibat gempabumi dengan metode HVSR', Tesis, Universitas Islam Indonesia, Yogyakarta

Hidayat, H., dan Santoso, E. W., 1997, Gempa bumi dan mekanismenya, *Alami*, vol.2 no.3, pp.50-52

Hidayati, S., Asrirufak, M., Triyoso, W., Omang, A., Aldimar, F., Robiana, R., Desyanti, Sakti A. P., Ridwan, M., Irsyam, M., 2017, 'Seismic hazard

analysis', dalam M Irsyam, S Widiyantoro, DH Natawidjaja, I Meilano, A Rudyanto, S Hidayati, W Triyoso, NR Hanifa, D Djarwadi, L Faizal, Sunarjito (eds), *Peta sumber gempa dan bahaya gempa Indonesia tahun 2017*, Puslitbangkim Kementerian PUPR, Bandung, 247-288

Irsyam, M., Sengara, I.W., Aldiamar, F., Widiyantoro, S., Triyoso, W., Natawidjaja, D.H., Kertapati, E., Meilano, I., Suhardjono, Asrirufak, M., Ridwan, M., 2010, *Ringkasan hasil studi tim revisi peta gempa Indonesia*, Bandung, dilihat 10 Agustus 2021

Kanai, K., 1983. *Engineering seismology*, Tokyo, University of Tokyo Press

Makrup, L.L., Irsyam, M., Sengara I. W., Hendriyawan, 2010, Hazard Deaggregation for Indonesia, *Jurnal Teknik Sipil*, vol. 17 no. 3, pp. 181-190, dilihat 6 September 2021

Marto, A., Soon, T. C., Kasim, F., 2013, A correlation of shear wave velocity and standard penetration resistance, *EJGE*, vol. 18, pp. 463-471, dilihat 20 Agustus 2021

McGuire, R. K., 1976, FORTRAN computer program for seismic risk analysis, *U.S. Geol. Surv. Open-File Rept*, pp.76-67

Nakamura, Y., 1989, A method for dynamic characteristic estimation of subsurface using microtremor on the ground surface, *Quaternary Report of Railway Technical Research Institute (RTRI)*, vol. 30 no. 1, pp 25-33, dilihat 9 Juni 2021

Nakamura, Y., 2000, Clear identification of fundamental idea of Nakamura's technique and its application, *12th World Conference on Earthquake Engineering*, 2656, Auckland, New Zealand

Nakamura, Y., 2009, Basic structure of QTS (HVSr) and examples of applications, In : Mucciarelli, M., et al. (eds), *Increasing Seismic Safety by Combining Engineering Technologies and Seismological Data, NATO Science for Peace and Security Series*, pp. 33-51, dilihat 8 Agustus 2021

Pamungkas, B., Munir, Juanda, A., Sisriannita, T., 2020, *Kecamatan Cipedes dalam angka 2020*, Badan Pusat Statistik, Tasikmalaya, dilihat 22 September 2021

Parvez, I. and Rosset, P., 2014, The Role of Microzonation in Estimating Earthquake Risk. *Earthquake Hazard, Risk and Disasters*, pp.273-308, DOI : 10.1016/b978-0-12-394848-9.00011-0

Riyadi, Muhammad, 2017, *Siaran Pers Gempabumi Pulau Jawa M=7.3 Jumat, 15 Desember 2017, 23:43:57 WIB*, diakses pada 15 Mei 2021

Roca, A., Oliveira, C., Ansal, A. and Figueras, S., n.d. Local Site Effects and Microzonation. *Assessing and Managing Earthquake Risk*, pp.67-89, DOI : 10.1007/978-1-4020-3608-8_4

Rosyida, A., Nurmasari, R., Suprpto, Savitri, A.I., Noormasari, M., Putri, N.M.K.A.I., Edi, S., Maulidhini, N., Wijaya, D., Nugroho, S.P., Agustina., H, Hajito, T., Oktiari, D., Assaudi, B., Utomo, A.C., Pratomo, B.Y., Afriliani, D.P., 2018, *Data bencana Indonesia*, Pusat Data Informasi dan Humas Badan Nasional Penanggulangan Bencana (BNPB), dilihat 14 September 2021

Seht, M.I. and Wohlenberg, J., 1999, Microtremor Measurements Used to Map Thickness of Soft Sediments, *Bulletin of the Seismological Society of America*, vol.89, no.1, pp. 250-259

Sistem Informasi Perencanaan dan Penganggaran (SIPPA), 2017, *Rencana program investasi infrastruktur jangka menengah bidang cipta karya Kota Tasikmalaya*, Kementerian PUPR Direktorat Jendral Cipta Karya, dilihat 16 September 2021

Sunardi, B., 2019, Re-evaluation of seismic hazard in Tasikmalaya City using probabilistic approach, *International Journal of GEOMATE*, vol. 17 no.6, DOI: 10.21660/2019.63.60620

Sungkono, dan Santosa, B.J., 2011, Karakterisasi kurva Horizontal-to-vertical spectral ratio : kajian literatur dan pemodelan, *Jurnal Neurotino*, vol.4 no. 1

Widiyantoro, S., Ridwan, M., Wandono, Muzli, Puspito, N.T., Triyoso, W., Nugraha, A.D., Asrurifak, M., Shiddiqi, H.A., Suspendi, P., Rosalia, S., 2017, 'Kegempaan Indonesia', dalam M Irsyam, S Widiyantoro, DH Natawidjaja, I Meilano, A Rudyanto, S Hidayati, W Triyoso, NR Hanifa, D Djarwadi, L Faizal, Sunarjito (eds), *Peta sumber gempa dan bahaya gempa Indonesia tahun 2017*, Puslitbangkim Kementerian PUPR, Bandung, 81-118

Worden, C., Wald, D., Thompson, E. and Hearne, M., 2020, ShakeMap Manual Online: technical manual, user's guide, and software guide, *U. S. Geological Survey*, DOI : 10.5066/F7D21VPQ