DAFTAR PUSTAKA

Ariestianty, S. K., Taha, M. R., Nayan, K. A. M., & Chik, Z. (2009). Penentuan modulus geser tanah menggunakan metode analisis multi channel gelombang permukaan. *Jurnal Ilmiah Semesta Teknika*, 12(2), 185–198.

Arintalofa, V., Yulianto, G., & Harmoko, U. (2020). Analisa Mikrotremor Menggunakan Metode HVSR untuk Mengetahui Karakteristik Bawah PermukaanManifestasi Panas Bumi Diwak dan Derekan Berdasarkan Nilai Vp. *JurnalEnergiBarudanTerbarukan*,1(2),54–61. https://doi.org/10.14710/jebt.2020.9276.

Atashband, S., & Esfahanizadeh, M. (2012). *Effects Evaluation of Ambient Vibration Recording Conditions on HVTFA Results* (pp. 1–10). 15 WCEE LISBOA.

Bormann, P., Engdahl, B., Kind, R., Baumbach, M., Bock, G., Grosser, H., Choy, G. L., & Boatwright, J. (2002). *New Manual of Seismological Observatory Practice(NMSOP)*. https://doi.org/10.2312/GFZ.NMSOP.

Braile, P. L. W. (2006*). Seismic Waves and the Slinky: A Guide for Teachers*. Purdue University. http://web.ics.purdue.edu/~braile/edumod/slinky/slinky.htm.

Buana, T. W., Hermasyah, W., Rahdiana, tyan nur, Widyaningrum, R., Wahyudin, Hasibuan, G., Wiyono, & Sollu, william pradana. (2019). *ATLAS: Zona Kerentanan Likuifaksi Indonesia*. Badan Geologi Kementrian Energi dan SumberDaya Mineral.

Chandraa, O., Putrab, A. I., & Nugroho, S. A. (2017). Study Of Liquefaction Potentials Of Sand Embankment On Peat Soil With Various Weight Load From Laboratory Experimental Model. *Konferensi Nasional Teknik Sipil Dan Infrastruktur* – I, 35–44.

Elnashai, A. S., & Sarno, L. Di. (2008). Fundamentals of earthquake engineering. In wiley. https://doi.org/10.5459/bnzsee.5.1.36

Fadhilah, F. H., Yudistira, T., & Sopyan, Y. (2022). Pemetaan Respons Dinamik Tanah Dan Pemodelan Struktur Bawah Permukaan Di Wilayah Kertajati Menggunakan Metode Horizontal-To-Vertical Spectral Ratio (HVSR). Geofisika, 20(02), 52– 61.

Fäh, D., Wathelet, M., Kristekova, M., Havenith, H., Endrun, B., Stamm, G., Poggi, V., Burjanek, J., & Cornou, C. (2009). *Report Using Ellipticity Information for Site Characterisation Using Ellipticity Information for Site Characterisation* (pp. 1–54). NEtwork of Research Infrastructures for European Seismology Report.

Gadallah, M. R., & Fisher, R. (2009). *Exploration Geophysics An Introduction.* Springer.

García-jerez, A., Seivane, H., Navarro, M., Martínez-Segura, M., & Piña-Floresc, J. (2019). Joint analysis of Rayleigh-wave dispersion curves and diffuse-field HVSRfor site characterization : The case of El Ejido town (SE Spain) by. *Soil Dynamicsand Earthquake Engineering*, 1–37.

Geologi, B. (2018). Di Balik Pesona Palu. Kementerian Energi dan Sumber Daya Mineral.

Gustono, S. T., Amaninida, H. D., & Fauzi, A. A. (2021). Analisis Potensi Likuefaksi Daerah Palu Berdasarkan Kecepatan Gelombang Geser Dan Percepatan Tanah Maksimum (Studi Kasus Gempabumi Palu 28 September 2018 Mw 7,4). *Jurnal Fisika dan Terapannya*, 8(2), 13–24. https://doi.org/10.24252/jft.v8i2.25371.

Haerudin, N., Alami, F., & Rustadi. (2019). *Mikroseismik, Mikrotremor dan Microearthquake dalam Ilmu Kebumian.* Pusaka Media.

Haf, R. S., Sungkono, & Santosa, B. J. (2017). Penerapan Metode Continuous Wavelet Transform pada Data Self-Potential Studi pada. Jurnal Teknik ITS, 6(2), 2337–3520.

Hakam, A. (2020). Analisis Praktis Potensi Likuifaksi: *Referensi Untuk Peneliti dan Praktisi* (S. R HP (ed.); I). Andalas Press.

Hamimu, L., Sahiddin, L. O., & Indrawati. (2017). *Buku Ajar Seismik Reraksi*. Kementerian Riset dan Pendidikan Tinggi Universitas Halu Oleo Kendari.

Hendra, Efendi, R., & Rusydi H., M. (2019). Estimasi Karakteristik Dinamis Bawah Permukaan Menggunakan Refraksi Mikrotremor di Kota Palu. Gravitasi, 18(1), 57–66. https://doi.org/10.22487/gravitasi.v18i1.13310.

Herak, M. (2008). ModelHVSR — A Matlab tool to model horizontal-to-vertical spectral ratio of ambient noise. Computers & Geosciences 34, 34, 1514–1526. https://doi.org/10.1016/j.cageo.2007.07.009.

Hidayat, N., & Santoso, E. W. (1997). Gempa Bumi Dan Mekanismenya. Alami: Jurnal Teknologi Reduksi Resiko Bencana, 2(3), 50–52.

Housner, G. W. (1985). Liquefaction of Soils During Earthquakes. *In National academies Sciences Engineering Medicine* (Vol. 92). National Academy Press. https://doi.org/10.17226/19275.

Hudha, S. N., Harmoko, U., Widada, S., Yusuf, D. H., & Yulianto, G. (2014). 193880-*ID-penentuan-struktur-bawah-permukaan* 3(3), 263–268.

Ipmawan, V. L., Permanasari, I. N. P., & Siregar, R. N. (2018). Spatial Analysis of Seismic Hazard Based on Dynamical Characteristics of Soil in Kota Baru, SouthLampung. *Journal of Science and Application Technology*, 2(1), 169–175. https://doi.org/10.35472/281437

Kaharuddin, M. ., Hutagalung, R., & Nurhamdan. (2011). Perkembangan Tektonik Dan Implikasinya Terhadap Potensi Gempa Dan Tsunami Di Kawasan Pulau Sulawesi. *Proceedings JCM Makassar 2011 The 36th HAGI and 40th IAGI Annual Convention and Exhibition Makassar*, 1–10.

Kiswiranti, D. (2019). *Seismologi (Dasar-dasar Seismologi dan Apilikasinya).* Fakultas Teknologi Mineral Institut Sains & Teknologi Akprind Yogyakarta. http://journal.unhas.ac.id/index.php/geocelebes%0AJurnal.

Knapmeyer-endrun, B., Golombek, M. P., & Ohrnberger, M. (2017). Rayleigh Wave Ellipticity Modeling and Inversion for Shallow Structure at the Proposed InSightLanding Site in Elysium Planitia , Mars. Space Sci Rev, 211, 339–382. https://doi.org/10.1007/s11214-016-0300-1

Koesuma, S., Pratiwi, S., & Legowo, B. (2018). Determination of Sediment Thickness by using Microtremor Method in Surakarta City. Risalah Fisika, 2(1), 25–28.

Kustiana, E., Saputra, I. alim, & Novarita, A. (2020). Community Response to Settlement Relocation After Liquefaction in Petobo Village. *Social, Humanities, and Education Studies (SHEs): Conference Series*, 3(1), 170–176.

Lay, T., & Wallace, T. C. (1995). *Modern Global Seismology*. Academic Press.

Layadi, K., Semmane, F., & Yelles-chaouche, A. (2018). S-wave velocity structure of Chlef City , Algeria , by inversion of Rayleigh wave ellipticity. *Near Surface Geophysics*, 16, 328–339. https://doi.org/10.3997/1873-0604.2018011

LE, H., P, S., & S, T. (2019). Peningkatan Kesadaran Masyarakat terhadap Kerusakan Bangunan dan Lingkungan Pasca Gempa, Tsunami dan Likuifaksi di Palu Sulawesi Tengah. ComunitÃ Servizio : *Jurnal Terkait Kegiatan Pengabdian Kepada Masyarakat, Terkhusus Bidang Teknologi, Kewirausahaan dan Sosial Kemasyarakatan*,1(2),208–222.https://doi.org/10.33541/. cs.v1i2.1290.

Madjid, N. . (2018). Analisis metode penghitungan dan alokasi anggaran bencana alam. *Simposium Nasional Keuangan Negara*, 1(1), 1046–1065. https://jurnal.bppk.kemenkeu.go.id/snkn/article/view/263.

Maulana, A. D., & Prasetyo, D. A. (2019). Analisa Matematis Pada Koreksi Bouguer Dan Koreksi Medan Data Gravitasi Satelit Topex Dan Penerapan Dalam Geohazard Studi Kasus Sesar Palu Koro, Sulawesi Tengah. *Jurnal Geosaintek*, 5(3), 91. https://doi.org/10.12962/j25023659.v5i3.6100.

Mina, E., Kusuma, R. I., & Sudirman, S. (2018). Analisa Potensi Likuifaksi Berdasarkan Data Spt (Studi Kasusproyek Pembangunan Gedung Baru Untirta Sindang Sari). *Jurnal Fondasi*, 7(1), 11–21. https://doi.org/10.36055/jft.v7i1.3298.

Mojo, K. A. T., Efendi, R., & Abdullah. (2018). *Estimasi Porositas Batuan Menggunakan Gelombang Seismik Refraksi di Desa Lengkeka Kecamatan Lore Barat Kabupaten Poso Estimation of Rock Porosity Using Refractive Seismic Wave in Lengkeka Village , Sub District of West Lore , District of Poso.* 7(1), 89–98.

Nasional, T. P. S. G. (2018). *Kajian Gempa Palu Provinsi Sulawesi Tengah 28 September 2018 (M7.4) (pp. 1–297)*. Pusat Penelitian dan Pengembangan Perumahan dan Permukiman. Kementerian Pekerjaan Umum dan Perumahan Rakyat.

Nasional, T. P. S. G. (2019). *Geotechnical Extreme Events Reconnaissance (Geer) Akibat Gempa Palu 28 September 2018*. Pusat Studi Gempa Nasional.

Nakamura, Y. (2000). Clear identification of fundamental idea of Nakamura's technique and its applications. Proceedings of the 12th World Conference on Earthquake Engineering

Nausil, S., Efendi, R., & Sandra. (2015). Penentuan Struktur Batuan Daerah Rawan Longsor Menggunakan Metode Seismik Mikrotremor di Desa Enu Kecamatan Sindue Kabupaten Donggala. *Jurnal Gravitasi*, 14(1), 83–89.

Ngadmanto, D., Susilanto, P., Nurdiyanto, B., Pakpahan, S., & Masturyono, M. (2013). Local Site Effect In Damaged Area Due To Bogor Earthquake On September 9, 2012. *Jurnal Meteorologi Dan Geofisika*, 14(3), 109–116. https://doi.org/10.31172/jmg.v14i3.162

Nurdin, Pujiastuti, D., & Marzuki. (2022). Analisis Kecepatan Pergeseran Seismik Sesar Palu Koro Akibat Gempa Palu 2018 Menggunakan Data Global NavigationSatellite System. *Jurnal Fisika* Unand (JFU), 11(4), 428–434.

Patya, D. I., Rusdiana, D., Purwanto, C., & Ardi, N. D. (2018). Identifikasi Struktur Geologi Bawah Permukaan Berdasarkan Nilai Suseptibillitas Magnetik Batuan DiLaut Sulawesi. *Jurnal Meteorologi Klimatologi Dan Geofisika*, 5(1), 1–8. https://doi.org/10.36754/jmkg.v5i1.68

Poggi, V., Donat, F., Burjanek, J., & Giardini, D. (2012). The use ofRayleigh-wave ellipticity for site-specific hazard assessment and microzonation: application to the city of Lucerne, Switzerland. *Geophysical Journal International*, 188, 1154–1172. https://doi.org/10.1111/j.1365-246X.2011.05305.x

Pramono, S., Prakoso, W. A., Cummins, P., Rahayu, A., Rudyanto, A., Syukur, F., Sofian, & 1Department. (2017). Investigation Of Subsurface Characteristics By Using A Vs30 Parameter And A Combination Of The Hvsr And Spac Methods For Microtremor Arrays. *International Journal of Technology*, 6, 983–992.

Purnama, D. I. (2019). Analisis Komponen Utama Pada Data Potensi Kecamatan di Kota Palu Sebelum Bencana Gempa Bumi dan Tsunami 28 September 2018. *Jurnal Matematika, Statistika Dan Komputasi*, 16(1), 25. https://doi.org/10.20956/jmsk.v16i1.6329

Rošer, J., & Gosar, A. (2010). Determination of Vs30 for seismic ground classification in the ljubljana area, *Slovenia. Acta Geotechnica Slovenica*, 7(1), 61–76.

Rusydi, M., Efendi, R., Sandra, & Rahmawati. (2018). Earthquake Hazard Analysis Use Vs30 Data in Palu. Journal of Physics*: Conference Series*, 979, 1–10. https://doi.org/10.1088/1742-6596/979/1/012054

Satria, A., Larasati, N., Hsb, W. L., Dewi, I. K., & Si, S. (2020). Analisis Mikrotremor berdasarkan Metode Horizontal To Vertical Spectral Ratio untuk Mengetahui *Indeks Kerentanan Seismik Kota Jambi. Jurnal Teknik Kebumian*, 5(2), 1–6. https://online-journal.unja.ac.id/jtk/article/view/8153

Sunardi, B., Naimah, S., Haryoko, U., Rohadi, S., Sulastri, & Rasmidi. (2018). Vs30 Mapping and Soil Classification in The Southern Part of Kulon Progo Using Rayleigh Wave Ellipticity Inversion. JGISE: *Journal of Geospatial Information Science and Engineering*, 1(2), 58–64. https://doi.org/10.22146/jgise.39780

Sunarjo, Gunawan, M. T., & Pribadi, S. (2012). *Gempabumi Edisi Populer* (Masturyono, J. Murjaya, & D. Ngadmanto (eds.)). : Badan Meteorologi Klimatologi dan Geofisika.

Syafitri, M. N., Ridha, S., Maryanto, S., & Martha, A. A. (2022). Share Wave Velocity Model To A Depth Of 30 Meter (Vs30) Using Horizontal Vertical Time Frequency Analysis (Hvtfa) Method. *Journal of Environmental Engineering & Sustainable Technology*, 09(1), 01–09.

Syamsuddin, E., & Assegaf, M. A. . (2021). *Dasar-Dasar Akuisisi Data*. Unhas Pres.

Talumepa, J. R., Manoppo, F. J., & Manaroinsong, L. D. K. (2019). Respon Spektra Pada Jembatan Ir . Soekarno Manado. *Sipil Statik*, 7(7), 777–786. https://ejournal.unsrat.ac.id/index.php/jss/article/view/24156/23842

Thein, P. S., Pramumijoyo, S., Brotopuspito, K. S., Kiyono, J., Wilopo, W., Furukawa, A., & Setianto, A. (2014). Estimation of seismic ground motion and shaking parameters based on microtremor measurements at Palu city, Central Sulawesi province, Indonesia. *International Journal of Geological and Environmental Engineering*, 8(5), 308–319.

Valeria, R., Zaenudin, A., & Sulaeman, C. (2019). Karakteristik Tanah di Daerah Cekungan Bandung berdasarkan Kecepatan Gelombang Geser (Vs30) dengan Metode MASW (Multichannel Analysis of Surface Wave). *Jurnal Geofisika Eksplorasi*, 3(1), 1–12.

Wibowo, N. B., Sembri, J. N., Darmawan, D., Sumardi, Y., Afriliani, F., & Mahmudah,S. (2018). Intepretasi Lapisan Sedimen berdasarkan Ground Profile Vs dengan Pengukuran Mikrotremor di Kecamatan Pacitan. *Indonesian Journal of Applied Physics*, 8(1), 32–42. https://doi.org/10.13057/ijap.v8i1.14986.

Widyaningrum, R. (2012). Penyelidikan geologi teknik potensi liquifaksi daerah Palu, Provinsi Sulawesi Tengah. *Kementrian Energi Dan Sumber Daya Mineral*, 43. https://luk.staff.ugm.ac.id/artikel/gempa/Palu/RisnaWidyaningrum Paper 012.

Yulianur, A., Saidi, T., Setiawan, B., Sugianto, S., & Rusdi, M. (2020). Microtremor measurement at liquefaction-induced ground deformation area. *Journal of Engineering Science and Technology*, 15(5), 2871–2889.

Zhang, Y. (2019). Risk analysis of soil liquefaction in earthquake disasters. ICAEER E3S webof Conferences,118, 4–7.https://doi.org/10.1051/e3sconf/20191180