

## DAFTAR PUSTAKA

- Abenavoli, L., 2011, *The Pulse Of The Earth And Sonification*. Springer-Verlag London Limited.
- Aki, K., & Richards, P. G., 2002, *Quantitative Seismology Second Edition*. California: University Science Books.
- Avanza, S., Barbera, R., Mattia, F. D., Rocca, G. L., Sorrentino, M., & Vicinanza, D., 2010, Data Sonification Of Volcano Seismograms And Sound/Timbre Reconstruction Of Ancient Musical Instruments With Grid. *International Conference On Computational Science*, 397-406.
- Azizah, L. N., 2018, Penerapan Deep Learning Untuk Penentuan Event Gempa Dan Fase Gelombang Pada Wilayah Sulawesi, Jakarta: Program Studi Fisika Fakultas Sains Dan Teknologi, Universitas Islam Negeri Syarif Hidayatullah Jakarta.
- Bacques, G., 2013, Étude De Variations Spatio-Temporelles De Glissements Asismiques Le Long De Failles Majeures Par Interférométrie Radar Différentielle Satellitaire : Cas Du Séisme Lent De 2009-2010 De Guerrero Mexique : Cas De La Déformation Postsismique Suite Au Séisme. Sciences De La Terre, Université De Grenoble, Nnt : 2013grenu044 . Tel-01124228.
- Barras, S., & Kramer, G., 1999, Using Sonification, *Multimedia Systems*, 23-31.
- Chen, W. F., & Lui, E. M., 2006, *Earthquake Engineering For Structural Design*, Taylor & Francis.
- Chen, Y., Zeng, X., & Yuan, T., 2017, Design And Development Of Earthquake Emergency Rescue Command System Based On Gis And Gps, *International Symposium For Intelligent Transportation And Smart City 2017 Proceedings*, 126-138.
- Claebout, J. F., 1964, Detection Of P-Waves From Weak Sources At Great Distances, *Geophysics*, 197-211.
- Dell'Aversana, P., Gabbriellini, G., & Amendola, A., 2016, Sonification Of Geophysical Data Through Time-Frequency Analysis: Theory And Applications, *Geophysical Prospecting*.
- Diehl, T., Kissling, E., & Bormann, P., 2011, Tutorial For Consistent Phase Picking At Local To Regional Distances, Doi: 10.2312/Gfz.Nmsop-2\_Is\_11.4.
- Duarte, J. C., & Schellart, W. P., 2016, *Plate Boundaries And Natural Hazards Geophysical Monograph Series 219*, John Wiley & Sons, Agu.

- Dziewonski, A. M.-A., 1981, Determination Of Earthquake Source Parameters From Waveform Data For Studies Of Global And Regional Seismicity, *J. Geophys. Res.*, 86, 2825-2852.
- Ekström, G. M., 2012, The Global Cmt Project 2004-2010: Centroid-Moment Tensors For 13,017 Earthquakes, *Phys. Earth Planet. Inter.*, 200-201, 1-9.
- Frantti, G. E., & Leveault, L. A. 1964. Investigation Of Auditory , Discrimination Of Seismic Signals From Earthquakes And Explosions. Institute Of Science And Tehcnology, University Of Michigan.
- Fridayanti, D. E., 2022, Analisis Gempa Vulkanik Gunung Merapi Dan Korelasi Terhadap Pengukuran Infrasonik Studi Kasus: Data Survei Bulan November 2020 – Maret 2021 , Program Studi Fisika Fst, Universitas Islam Negeri Maulana Malik Ibrahim Malang.
- Gaol, Y. L., & Suhardja, S. K., 2022, Hasil Awal Penentuan Waktu Tiba Gelombang-P Gempa Menggunakan Machine Learning, *Jurnal Geofisika*.
- Gioncu, V., & Mazzolani, F. M., 2011, Earthquake Engineering For Structural Design. *Spon Press*.
- Gunawan, H., Puspito, N. T., Ibrahim, G., Haryadi, P. P., & Kadnan., 2012, Penentuan Waktu Tiba Gelombang-P Secara Otomatis Dengan Metoda Skewness Dan Kurtosis Terintegrasi, *Jurnal Meteorologi Dan Geofisika*, 63-69.
- Hafez, A. G., Azim, A. A., Soliman, M. S., & Yayama, H., 2020, Real-Time P-Wave Picking For Earthquake Early Warning System Using Discrete Wavelet Transform. *Nriag Journal Of Astronomy And Geophysics*, 1-6.
- Hayward, C., 1994, Listening To The Earth Sing, Dallas: Department Of Geology, Southern Methodist University.
- Hermann, T., Hunt, A., & Neuhooff, J. G., 2011, The Sonification Handbook. Germany: Bielefeld University.
- Hidayat, N., & Santoso, E. W., 1987, Gempa Bumi Dan Mekanismenya,
- Hidayati, D., 2008, Kesiapsiagaan Masyarakat: Paradigma Baru Pengelolaan Bencana Alam Di Indonesia. Redaksi Jki.
- Hidayati, F. N., Akhsan, H., & Syuhendri, S., 2016, Identifikasi Miskonsepsi Siswa Kelas X Pada Materi Elastisitas Dan Hukum Hooke Di Sma Negeri 1 Indralaya, *Jurnal Inovasi Dan Pembelajaran Fisika*.
- Holtzman, B., Candler, J., Turk, M., & Peter, D., 2014, Seismic Sound Lab: Sights, Sounds And Perception Of The Earth As An Acoustic Space. *International Symposium On Computer Music Multidisciplinary Research*, 161-174.

- Iftinanto, A. N., 2021, Penerapan Deep Learning Untuk Penentuan Event Gempa Dan Fase Gelombang Pada Wilayah Sulawesi. Yogyakarta: Program Studi Geofisika Fmipa, Universitas Gadjah Mada.
- Islami, N.. 2017. Fisika Bumi. Universitas Riau Press.
- Kanamori, H., 2003, Earthquake Prediction: An Overview, In: International Handbook Of Earthquake And Engineering Seismology, International Geophysics Series. No.81b. Academic Press.
- Kiswiranti, D., 2019, Seismologi Dasar-Dasar Seismologi Dan Aplikasinya, Institut Sains & Teknologi Akprind Yogyakarta.
- Lay, T., & Wallace, T. C., 1995, Modern Global Seismology. Academic Press.
- Lobo, R. K., 2020, Automatic Picking Gelombang P Pada Data Gempa Teleseismik Menggunakan Algoritma Artificial Neural Network. Fakultas Teknologi Eksplorasi Dan Produksi, Universitas Pertamina.
- Mitsuko, A., Derrien, O., Kronland-Martinet, R., & Ystad, S. 2013, Sound, Music, And Motion, *Springer*.
- Mogi, K., 1967, Earthquakes And Fractures, *Tectonophysics-Elsevier*.
- Palupi, I. R., & Raharjo, W., 2020, Studi Automatic Picking Waktu Tiba Gelombang P Dan S Dengan Menggunakan Spektogram Pada Obspy Python. *Jurnal Teori Dan Aplikasi Fisika*, 77-82.
- Park, S., & Ishii, M., 2018, Near-Surface Compressional And Shear Wave Speeds Constrained By Body-Wave Polarization Analysis. *Geophysical Journal International*.
- Paté, A., Boschi, L., Carrou, J.-L. L., & Holtzman, B. 2015. Categorization Of Seismic Sources By Auditory Display: A Blind Test. *International Journal Of Human-Computer Studies*, 57-67.
- Peng, Z., Aiken, C., Kilb, D., Shelly, D. R., & Enescu, B., 2012, Listening To The 2011 Magnitude 9.0 Tohoku-Okii, Japan, Earthquake, Seismosoc.
- Pristanto, A. I., 2010, Upaya Peningkatan Pemahaman Masyarakat Tentang Mitigasi Bencana Gempa Bumi Di Desa Tirtomartani Kecamatan Kalasan Kabupaten Sleman Provinsi Daerah Istimewa Yogyakarta, Yogyakarta: Jurusan Pendidikan Geografi Universitas Negeri Yogyakarta.
- Putranesia, Ophiyandri, T., Ismail, A. F., & Hidayat, B., 2023, Assessing Public Knowledge Of Earthquake-Resistant Building Construction Can Help Increase Community, *Aip Conference Proceedings*. Aip Publishing.
- Rahmania, M., 2010, Penentuan Jenis Sesar Pada Gempa Sukabumi 2 September

- 2009 Berdasarkan Gerak Awal Gelombang P, Yogyakarta: Program Studi Fisika Fst, Universitas Islam Negeri Sunan Kalijaga.
- Ross, Z. E., Meier, M.-A., & Hauksson, E., 2018, Pwave Arrival Picking And First-Motion Polaritydetermination With Deep Learning. *Journal Of Geophysical Research: Solid Earth*, 4475-5345.
- Shearer, P. M., 2009, Introduction To Seismology Second Edition, Cambridge University Press.
- Spence, W., Sipkin, S. A., & Choy, G. L., 1989, Earthquakes And Volcanoes.
- Sriyanto, S. P., & Perdana, Y. H., 2018, Pengaruh Penggunaan Filter Butterworth Pada Penentuan Waktu Tiba Gelombang P. Jurnal Sains Dan Teknologi.
- Sunardi, B., Sulastri, & Muddasir, F., 2016, Pengujian Metode Akaike Information Criterion Aic Untuk Deteksi Waktu Tiba Gelombang P Pada Kasus Gempa Mikro Dan Kuat. *Prosiding Sng Pp.* 35 - 41. Jurnal Penelitian Fisika Dan Aplikasinya .
- Telford, W. M., Geldart, L. P., & Sheriff, R. E., 1990, Applied Geophysics Second Edition, Cambridge University Press.
- Thene, J., 2016, Mitigasi Bencana Gempa Bumi Berbasis Kearifan Lokal Masyarakat Rote Kabupaten Rote Ndao Provinsi Nusa Tenggara Timur, Jtp2ips.
- Utama, W., Garini, S. A., & Lansa, S. F., 2022, The Effect Of Picking Uncertainty Window Interval  $\Delta t_p$  On Hypocenter Micro-Earthquake Meq Location Using Geiger Method, Sepuluh Nopember Institute Of Technology.
- Yasukawa, H., Adachi, S., Takumi, I., & Hata, M., 2000, Auditory Sonification For Elf Band Signal Of Seismic. *Ieee International Symposium On Geoscience And Remote Sensing*, 301-303.