

REFERENCES

- Aki, K., 1957, *Space and time spectra of stationary stochastic wave with special reference to microtremors*, Bulletin of Earthquake Research Institute, University of Tokyo, 35, 415-457.
- Aki, K and L. Larner , 1970, Surface Motion of a layered Medium Having an Irregular Interface Due to Incident Plane SH Waves, *Journal Of Geophysical Research*, Vol. 75, No.5.
- Audley-Charles, M.G. ,1987, *Dispersal of Gondwanaland: relevance to evolution of the Angiosperms* In: Whitmore, T.C. (ed.) (1987) *Biogeographical Evolution of the Malay Archipelago*, Oxford Monographs on Biogeography 4, Clarendon Press, Oxford, pp. 5–25, ISBN 0-19-854185-6.
- Bard, P.-Y., and Bouchon, M., 1980, The seismic response of sediment-filled valleys, Part 1. The case of incident SH waves, *Bulletin of the Seismological Society of America*, Vol. 70, 1263-1286.
- Bouchon, M. and Aki, K., 1977, Discrete wavenumber representation of seismic source wave fields, *Bulletin of the Seismological Society of America*, Vol.67, 259-277.
- EERI, Newsletter, January, 1993 Volume 27, Number 1.
- Fukushima, Y., and Tanaka, T., 1990, A New Attenuation Relation for Peak Horizontal Acceleration of Strong Ground Motion Earthquake in Japan, *Bulletin of the Seismological Society of America*, Vol.80, No.4.
- Fumihiko, I., 1994, Moment Release of The 1992 Flores Island Earthquake Inferred from Tsunami and Teleseismic Data, *The International Journal of The Tsunami Society*, Vol-12 Number 2.
- Georisk Project, 2009, *Geological Hazard and Risk Assessment*, Departemen Energi dan Sumber Daya Mineral Ministry for Energy and Mineral Resources Badan Geologi Geological Agency.
- Gulerce, U., 1991, *Single-Point Microtremor Measurements in Geotechnical Engineering Practice*, Department of Civil and Environmental Engineering University of California, Davis.
- Hirofumi, M., Asnawir, N., Minoru, U., Masaaki, T., Isao, T., Janes, S., Herry, S., Dany, A., Fredy, N., Kastiman, S., Hiroshi, T., and Takehiro, K., 2002, Tectonic, volcanic and stratigraphic geology of the Bajawa geothermal field, central Flores, Indonesia, *Bulletin of the Geological Survey of Japan*, vol. 53 (2/3), p. 109-138.
- Hiroshi, O., 2003, *The Microtremor Survey Method*, Number 12, Geophysical monograph series.
- http://www.ngdc.noaa.gov/nndc/struts/results?eq_0=5343&t=101650&s=13&d=399,26,13,12&nd=display.
- <http://earthexplorer.usgs.gov/>

- https://www.flickr.com/photos/ng_sebastian/4564879652/in/photostream/
<http://earthquake.usgs.gov/earthquakes/eqarchives/year/byyear.php>.
<http://earthquakes.findthedata.com/1/3722/Indonesia-Flores-Endeh-1961-M6-5>
https://en.wikipedia.org/wiki/1982_Flores_earthquake
<http://reliefweb.int/report/indonesia/indonesia-earthquake-dec-1987-undro-information-report-1>
http://www.ngdc.noaa.gov/nndc/struts/results?eq_0=5343&t=101650&s=13&d=399,26,13,12&nd=display
- Ibs-von Seht, M. 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, February.
- Irsyam M., 2007, *Pengantar Dinamika Tanah & Rekayasa Gempa*, Page-167.
- Irsyam, M., Sengara, I. W., Aldiamar, F., Widiyantoro, S., Triyoso, W., Natawidjaja, D. H., Kertapati, E., Meilano, I., Suhardjono., Asrurifak, M., and Ridwan, M., 2010, *Summary of Study: Development of Seismic Hazard Maps of Indonesia for Revision of Hazard Map in SNI-1726-2010, SNI-1726-2002, PPTI-UG-1983*, Bandung, July, 2010, pp-46.
- Kiyono, J., Inoue, Y., and Shimizu, K., 2009, Earthquake Effects of layered Medium with Irregular Interface on Buried Pipeline, *Proceeding Of EIT-JSCE Joint Symposium*, pp. 82-86, September 7-8, Bangkok, Thailand, 2009.
- Kramer, S.L., 1996, *Geotechnical Earthquake Engineering*, Prentice Hall, New Jersey.
- Lachet, C. and P.-Y. Bard., 1994, Numerical and theoretical investigations on the possibilities and limitations of the "Nakamura's Technique," *Journal of Physical. Earth*, Vol. 42, 377-397.
- Lachet, C., D., Hatzfeld, P.-Y., Bard, N., Theodulidis, C. Papaloannou, and A. Savvaiddis, 1996, Site effects and microzonation in the city of Thessaloniki (Greece), Comparison of different approaches, *Bulletin of the Seismological Society of America*, Vol. 86, 1692-1703.
- Malczewski, J., 2006, GIS-based multicriteria decision analysis: a survey of the literature, *International Journal of Geographical Information Science*, Vol. 20, No. 7, August 2006, 703–726.
- Marjiyono, Ratdomopurbo, Suharna, Moch. Heri Hermiyanto Zajuli and Robby Setianegara, 2014, Subsurface Geology of Klaten Plain Inferred from Microtremor data, *J.G.S.M*, Vol.15, No.1, February.
- McCaffrey, R., 1988, Active tectonics of the eastern Sunda and Banda arcs, *Journal of Geophysical Research*, Vol. 93, 15 163 15 182.
- Nakamura, Y., 1989, A Method for Dynamic Characteristics Estimation of Subsurface using Microtremor on the Ground Surface, *Quarterly Report of Railway Technical Research Institute (RTRI)*, Vol.30, 25-33.

- Nakamura, Y., 1996, Real-time information systems for seismic hazard mitigation. UrEDAS, HERAS and PIC, *Quarterly Report of Railway Technical Research Institute (RTRI)*, Vol.37, 112-127.
- Nakamura, Y., 1997, Seismic Vulnerability Indices For Ground and Structures Using Microtremor, *World Congress on Railway Research, Florence*, November.
- Nakamura, Y., Sato, T., and Nishinaga, M., 2000, Local Site Effect of Kobe Based on Microtremor Measurement, *Proceeding of the Sixth International Conference on Seismic Zonation EERI*, Palm Springs California.
- Nakamura, Y., 2008, On the H/V Spectrum, *The 14th World Conference on Earthquake Engineering*, Beijing, China.
- Naruse, S., K. Izuhara, F. Takeuchi, Y. Ohta, H. Kagami, N. Goto, K. Shiono, K. Kudo, and N. Sakajiri, Observation of 1- to 5-sec microtremors and their application to earthquake engineering Part. 2; Relation of the predominant periods and deeper underground conditions, *Zisin (J. Seismol. Soc. Jpn.)*, Ser. 2, 29, 25-32, 1976 (in Japanese with English abstract).
- Okada, H., 1971, *A Seismic Refraction survey in Hachinohe City*, Aomori Prefecture, Japan, Faculty of Science, Hokkaido University, 26, 147-16.
- Roy E.H., 2007, *Geologic Hazard, A Field Guide for Geotechnical Engineers*, CRC Press, Taylor & Francis Group.
- Satoh, T., Kawase, H., Iwata, T., Higashi, S., Sato, T., Irikura, K., and Huang, H. C., 2001, S-Wave Velocity Structure of the Taichung Basin, Taiwan, Estimated from Array and Single-Station Records of Microtremors, *Bulletin of the Seismological Society of America*, Vol.91, 5, pp. 1267–1282, October 2001.
- 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, February.
- Silver, E.A., Reed, D. and McCaffrey, R., 1983, Back arc thrusting in the eastern Sunda arc, Indonesia: A consequence of arc-continent collision, *Journal of Geophysical Research*, Vol.88, 7 429-7 448.
- Siva Subramanian, K. S. and Fumio Kaneko “Suitable Site Selection for Seismic Microzonation by Applying GIS Technology”, *Nat. Science*, Vol. 2, pp. 32-39, 2002.
- Sunarjo, 1993, Experience in handling the Flores earthquake-tsunami of Dec. 12, 1992, *Proc. Int. Tsunami Symp. in Wakayama*, 861-869.
- Saputra, S.E.A., Suhaimi, A., and Mulyasari, F., 2010, Microzonation and microzonation Earthquake Vulnerability Territory Planning Ende as basic data and Regional Development, *Jurnal Geologi Indonesia*, Vol. 5 No. 3 September 2010: 171-186.

- Sutawidjaja, I. S., and Sugalang, 2007, Multi-geohazards of Ende city area, *Jurnal Geologi Indonesia, Center for Volcanology and Geological Hazard Mitigation and Center for Environmental Geology*, Vol. 2 No. 4 December 2007: 217-233.
- Suwarna, N., Santosa, S., and Koesoemadinata, P., 1989, *Geology of the Ende Quadrangle map, East Nusa Tenggara 1:250,000*, Geological Research and Development Centre, Bandung.
- The Press-Courier, 2011, "Quake Kills 4, Injures 49". December 27, 1982. Retrieved, June 25.
- Toksoz, M. N., and Lacoss, R.T., 1968, *Microseisms-Mode structure and sources: Science*, 159, 872-873.
- Tsuji, Y., Matsutomi, H., Imamura, F., Takeo, M., Kawata, Y., Matsuyama, M., Takahashi, T., Snunarjo and Harjadi, P., 1995, *Damage to Coastal Villages due to the 1992 Flores Island Earthquake Tsunami*, Pageoph, vol. 144.
- Unknown, 1991, *PETA RUPABUMI DIGITAL INDONESIA 1:250,000*, published by Bakosurtanal University, ENDE LEMBAR 2207-114, DICETAK AND DITERBITKAN OLEH, Jakarta.
- USGS 2014, *United States Geological Survey, Historical Earthquakes in the World Since 1900.*, <http://earthquake.usgs.gov/earthquakes/eqarchives/year/byyear.php>.
- USGS 2010, *United States Geological Survey*, "Significant Earthquakes of the World: 1982", January 5, 2010, Archived from the original on 7 June 2011. Retrieved June 25, 2011
- Van Bemmelen, R. W., 1949, *The Geology of Indonesia*, vol.1, 732 pp., Government Printing Office, The Hague.
- Veevers, J.J., 1991, Phanerozoic Australia in the changing configuration of ProtoPangea through Gondwanaland and Pangea to the present dispersed continents, *Australian Systematic Botany* 4: pp. 1–11.
- Wald, D. J., Quitoriano, V., Heaton, T. H., and Kanamori, H., 1990, Relationships between Peak Ground Acceleration, Peak Ground Velocity and Modified Mercalli Intensity in California, *Earthquake Spectra*, Vol.15, No.3, August.
- Wilson, R., Rais, J., Reigber, Ch., Reinhart, E., Ambrosius A.C. LePichon X.Kasser M. Suharto, P., Majid, A., Yaakub, P., Almeda, R. and Boonphakdee, C., 1998, Study provides data on active Plate tectonics in Southeast Asia region, *Eos Transactions American Geophysical Union*, AGU, 79, 545, 548 549.
- Yamanaka, H., M. Dravinski, and H. Kagami, Continuous measurements of microtremors on sediments and basement in Los Angeles, California, *Bull. Seismol. Soc. Am.*, 83, 1595-1609, 1993.