



DAFTAR PUSTAKA

- Aki, K., dan P. G. Richards. 1980. Quantitative seismology. Freeman, San Francisco, Vol. I and II, 932 pp.
- Beskos, D.E. 1997. Boundary elements methods in dynamic analysis: Part II (1986-1996), Appl. Mech. Rev. (ASME), 50(3), 149-197.
- Bohlen, T., dan E. H. Saenger. 2006. Accuracy of heterogeneous staggered-grid finite-difference modeling of Rayleigh waves. Geophysics 71, T109-T115
- Bonilla F. 2000. Computation of Linear and Nonlinear Site Response for Near Field Ground Motion, Ph.D., University of California at Santa Barbara.
- Casarotti, E. Stupazzini, M. dan Komatitsch, D. 2007. CUBIT and Seismic Wave Propagation Based Upon the Spectral-element Method: An Advanced Unstructured Mesh for Complex 3D Geological Media.
- Chaillat S., Bonnet M., dan Semblat J.F. 2008. A multi-level Fast Multipole BEM for 3-D elastodynamics in the frequency domain, Computer Methods in Applied Mechanics and Engineering, 197(49-50), 4233-4249
- Clayton, R. dan Engquist, B. 1977. Absorbing boundary conditions for acoustic and elastic wave equations. *Bulletin of the Seismological Society of America*, 67(6):1529-1540
- Faber, S. Bonjer, K-P. Brustle dan W. Deichmann N. 1994. Seismicity and structural complexity of the Dinkelberg block, southern Rhine Graben. *Geophys. J. Int.*, 116:393-408\
- Fossen H. 2010. Structural Geology. Cambridge university press. Cambridge
- Gardner, G.H.F., Gardner L.W., dan Gregory A.R. 1974. Formation velocity and density. The diagnostic basics for stratigraphic traps. Geophysics 39 770-780



- Igel, H. 2003. The spectral element method for seismic wave propagation: Theory Implementation and Comparison to Finite Difference Methods. Munchen
- J. F. Semblat. 2011. Modeling Seismic Wave Propagation and Amplification in 1D/2D/3D Linear and Nonlinear Unbounded Media. *International Journal of Geomechanics* 11:6, 440-448.
- Komatitsch, D., Barnes, C., dan Tromp, J. 2000. Wave propagation near a fluid solid interface : A spectral-element approach. *Geophysics*, 65(2):623-631.
- Kelly, K.R., dan Marfurt, J. 1990. Numerical modeling of seismic wave propagation: Geophysical Reprint Series, Society of Exploration Geophysicists, 520 p.
- Komatitsch, D., Martin, R., dan Tromp, J. 1999. Introduction to the spectral element method for three-dimensional seismic wave propagation. *Geophys. J. Int.*, 139:806-822.
- Komatitsch, D. dan Tromp, J. 1999. Introduction to spectral element method with triangles and quadrangles. *Journal of Computational Acoustics*, 9(2):703-718.
- Komatitsch, D. dan Vilotte, J.-P. 1998. The spectral element method: An efficient tool to simulate the seismic response of 2D and 3D geological structure. *Bulletin of the Seismological Society of America*, 88(2):368–392.
- Komatitsch, D., Vilotte, J.-P., Vai, R., Castillo-Covarrubias, J. M., dan Sánchez-Sesma, F. J. 1999. The spectral element method for elastic wave equations - application to 2-D and 3-D seismic problems. *Int. J. Num. Meth. Eng.*, 45:1139–1164.
- Komatitsch , D. Vilotte, J-P. 2015. SPECFEM3D Cartesian User Manual version 3. Marseille:Perancis
- Komatitsch, M. Laurenzano, M. Tikir, D. Michéa, N. Le Goff, A. Snavely, dan J. Tromp. 2008. High frequency simulations of global seismic wave propagation using SPECFEM3D_GLOBE on 62 thousand processor



cores. *Proceedings of the ACM/IEEE Supercomputing SC'2008 conference, pages 1–11, 2008. doi: 10.1145/1413370.1413432. Article #60, Gordon Bell Prize finalist article*

Rudianto, I. 2017. Simulasi perambatan gelombang P-SV pada media elastik heterogen 2D menggunakan metode spektral elemen berbasis *graphics processing unit*: studi kasus gempa vulkanik-tektonik (VT) gunung Merapi, Jawa, Indonesia. Skripsi, Program Studi Geofisika, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta

Pavlov, V. 2012. 3D Partitioning in SPECFEM3D Internal Mesher. *Bulletin of Partnership for Advanced Computation in Europe*

Patera, A. T. 1984. A spectral element method for fluid dynamics: Laminar flow in channel expansion. *J.Comput. Phys.*, 54:468-488.

Permana, T. 2013. Pemodelan numerik finite difference 2D untuk perambatan gelombang P-SV dalam medium heterogen elastik menggunakan Graphic Processing Unit: Studi Kasus Topografi Gunung Merapi, Yogyakarta. Skripsi, Program Studi Geofisika, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta

Ratdomopurbo, A. Poupinet, G., 2000. An overview of seismicity of Merapi volcano, (Java, Indonesia), 1983-1995. *Volcanol. Geotherm. Res.* 100, 193-214

Reshef, M., Kosloff, D., Edwards, M., dan Hsiung, C. 1988a. Three-dimensional acoustic modelling by the Fourier method. *Geophysics*, 53(9): 1175-1183

Reshef, M., Kosloff, D., Edwards, M., dan Hsiung, C. 1988a. Three-dimensional elastic modelling by the Fourier method. *Geophysics*, 53(9): 1184-1193

Suardi, I. 2007. Penentuan parameter dan sumber gempabumi dengan cepat yang terjadi di daerah Indonesia. kursus BMKG



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Torsten, D. 2012. Basics os seismic sorce mechanism. *Workshop on Geophysical Data Analysis and Assimilation*. 2373-1



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