



DAFTAR PUSTAKA

- Anonim, 2018, DEMNAS Seamless Digital Elevation Model (DEM) dan Batimetri Nasional, <http://tides.big.go.id/DEMNAS/Jawa.php>, diakses tanggal 30 Oktober 2018.
- Anonim, (n.d.), Peta Provinsi, <http://www.big.go.id/peta-provinsi/>, diakses tanggal 4 Oktober 2018.
- Barbier, E., 1997, Nature and Technology of Geothermal Energy : A Review, *Renewable and Sustainable Energy Reviews*, 1, 1-69.
- Beamish, D. dan Travassos, J.M., 1992, The use of the D+ Solution in Magnetotelluric Interpretation, *Journal of Applied Geophysics*, 29, 1-19.
- Berdichevsky, M.N. dan Dmitriev, V.I., 2008, *Models and Methods of Magnetotellurics*, Springer-Verlag Berlin Heidelberg, Berlin.
- Berkholt, A., 1983, Electromagnetic Studies in Geothermal Regions, *Geophysical Surveys*, 6, 173-200.
- Bertrand, E.A., Caldwell, T.G., Hill, G.J., Bennie, S.L. dan Soengkono, S., 2013, Magnetotelluric Imaging of The Ohaaki Geothermal System, New Zealand: Implications for Locating Basement Permeability, *Journal of Volcanology and Geothermal Research*, 268, 36-45.
- Cagniard, L., 1953, Basic theory of the magnetotelluric method of geophysical prospecting, *Geophysics*, 18, 193-204.
- Caldwell, T.G., Bibby, H.M. dan Brown, C., 2004, The magnetotelluric phase tensor, *Geophys.J.Int.*, 158, 457-469.
- Castells, A.M.I., 2006, Magnetotelluric Investigation of Geoelectrical Dimensionality and Study of the Central Batic Crustal Structure, *Dissertation*, Departament de Geodinamica i Geofisica, Universitat de Barcelona.
- Chave, A.D. dan Jones, A.G., 2012, *The Magnetotelluric Method Theory and Practice*, Cambridge University Press, Cambridge.
- Comeau, M.J., 2015, Electrical Resistivity Structure of the Altiplano-Puna Magma Body and Volcan Uturuncu from Magnetotelluric Data, *Dissertation*, Department of Physics University of Alberta, Edmonton.
- Cumming, W., 2009, Geothermal Resource Conceptual Models Using Surface Exploration Data, *Proceedings, Thirty-Fourth Workshop on Geothermal Reservoir Engineering Stanford University Stanford California*, 9-11 Februari 2009, 187-192.



Djuri, M., Samodra, H., Amin, T.C. dan Gafoer, S., 1996, Peta Geologi Lembar Purwokerto dan Tegal, Jawa, Pusat Penelitian dan Pengembangan Geologi, Bandung.

Fleisch, D., 2008, *A Student's Guide to Maxwell's Equations*, Cambridge University Press, Cambridge.

Giggenbach, W.F., 1988, Geothermal Solute Equilibria Deviation of Na-KMg-Ca Geo-Indicators, *Geochemica Acta*, 52, 2749–2765.

Grandis, H., 2009, *Pengantar Pemodelan Inversi Geofisika*, Himpunan Ahli Geofisika Indonesia, Jakarta.

Hall, R., 2002, Cenozoic geological and plate tectonic evolution of SE Asia and the SW Pacific: computer-based reconstructions, model and animations, *Journal of Asian Earth Sciences*, 20, 353-431.

Hamilton, W., 1979, *Tectonics of the Indonesian Region*, U.S. Geological Survey Professional Paper, 1078.

Hansen, P.C., 2000, The L-curve and its use in the numerical treatment of inverse problems, In *Computational Inverse Problems in Electrophysiology*, ed. P. Johnston, *Advances in Computational Bioengineering*, 119-142.

Harijoko, A. dan Juhri, S., 2018, Cl/B ratio of geothermal fluid around Slamet Volcano, Jawa Tengah, Indonesia, *IOP Conf. Series: Earth and Environmental Science* Bandung, 22-23 Maret 2017, 103, 012015.

Hochstein, M.P. dan Browne, P.R.L., 2000, *Surface Manifestations of Geothermal Systems with Volcanic Heat Sources*, In: Sigurdsson, H. (Ed.), *Encyclopedia of Volcanoes*, Academic Press, San Diego, CA, USA, 835–855.

Hochstein, M.P. dan Sudarmarman, S., 2008, History of geothermal exploration in Indonesia from 1970 to 2000, *Geothermics*, 37, 3, 220-266.

Jones, F. W. dan Price, A.T., 1970, The perturbations of alternating geomagnetic fields by conductivity anomalies, *Geophysical Journal of the Royal Astronomical Society*, 20, 317-334.

Joni, W. dan Kholid, M., 2012, *Survei Magnetotellurik Daerah Panas Bumi Limbong Kabupaten Luwu Utara, Sulawesi Selatan*, Laporan Hasil Kegiatan Pusmen Daya Geologi 2011, Bandung.

Keller, G.V. dan Frischknecht, F.C., 1966, *Electrical Methods In Geophysical Prospecting*, In International Series of Monographs in Electromagnetic Waves, eds 10, Pergamon Press, Oxford.

Kusnadi, D., Risdianto, D., Munandar, A. dan Dahlan, 2012, *Geologi dan Geokimia Daerah Panas Bumi Wai Selabung Kabupaten Oku Selatan, Sumatra*



Selatan, Laporan Hasil Kegiatan Pusat Sumber Daya Geologi 2011, Bandung.

Liddell, M.V., 2014, Magnetotelluric Imaging of Electrically Anisotropic Crust Near fort McMurray, Alberta: Implications for Geothermal Systems, *Thesis*, Department of Physics University of Alberta, Edmonton.

Menke, W., 2012, *Geophysical Data Analysis: Discrete Inverse Theory*, edisi ketiga, Academic Press, Cambridge.

Meqbel, N.M., 2009, The Electrical Conductivity Structure of The Dead Sea Basin Derived from 2D and 3D Inversion of Magnetotelluric Data, *Dissertation*, Fachbereich Geowissenschaften Freie Universität Berlin, Berlin.

Miensopust, M.P., 2010, Multidimensional Magnetotellurics A 2D Case Study and A 3D Approach to Simultaneously Invert for Resistivity Structure and Distortion Parameters, *Dissertation*, Department of Earth and Ocean Sciences National University of Ireland, Galway.

Moeck, I.S., 2014, Catalog of geothermal play types based on geologic controls, *Renewable and Sustainable Energy Reviews*, 37, 867-882.

Munoz, G., 2013, Exploring for Geothermal Resources with Electromagnetic Methods, *Surveys in Geophysics*, 35, 1, 101-122.

Naidu, G.D., 2012, *Deep Crustal Structure of the Son-Narmada-Tapri Lineament, Central India*, Springer-Verlag Berlin Heidelberg, Berlin.

Niasari, S.W., 2015, Magnetotelluric Investigation of The Sipoholon Geothermal Field, Indonesia, *Dissertation*, Fachbereich Geowissenschaften Freie Universität Berlin, Berlin.

Niasari, S.W., 2016, A short introduction to geological strike dan geo-electrical strike, *AIP Conference Proceedings* 1755, 100002, 1-4.

Nicholson, K., 1993, *Geothermal Fluids: Chemistry and Exploration Techniques*, Springer-Verlag, Berlin.

Nurohman, H., Bakti, H., dan Indarto, S., 2014, Konsentrasi Radon di Sekitar Manifestasi Panas Bumi Gunung Slamet, Jawa Tengah, *Prosiding Pemaparan Hasil Penelitian Pusat Penelitian Geoteknologi LIPI* Bandung, 02 Desember 2014, 431-439.

Oskooi, B., Takalu, M., Montahaei, M., dan Rahmani, M.R., 2016, A Recent Magnetotelluric Investigation of The Sabalan Geothermal Field in North-Western Iran, *Bollettino di Geofisica Teorica ed Applicata*, 57, 3, 261-274.

Parkinson, W.D., 1959, Directions of Rapid Geomagnetic Fluctuations, *The Geophysical Journal of the Royal Astronomical Society*, 2, 1, 1-14.



- Permana, H., Sudarsono, dan Indarto, S., 2014, Studi Morfostratigrafi dan Morfostruktur: Studi Kasus Prospek Lapangan Panas Bumi Guci, Tegal, Jawa Tengah, *Prosiding Pemaparan Hasil Penelitian Pusat Penelitian Geoteknologi LIPI* Bandung, 02 Desember 2014, 419-430.
- Polak, E., 1971, *Computational methods in optimization: A unified approach*, Academic Press, Cambridge.
- Pratomo, I., 2012, Keanekaragaman Geologi Kompleks Vulkanik G.Slamet Jawa Tengah, *Ekologi Gunung Slamet*, Pusat Penelitian Biologi-LIPI dan Universitas Jenderal Sudirman, Jakarta.
- Purnomo, B.J. dan Pichler, T., 2014, Geothermal system on the island of Java, Indonesia, *Journal of Volcanology and Geothermal Research*, 285, 47-59.
- Purwaningsih, R., 2018, Interpretasi Struktur Sesar Daerah Mata Air Panas Guci Berdasarkan Data Anomali Medan Magnet, *Tesis*, Departemen Fisika FMIPA UGM, Yogyakarta.
- Raharjo, I.B., 2012, Geophysical Signatures of Volcano-Hosted Geothermal Systems, *Dissertation*, Department of Geology and Geophysics, University of Utah, Utah.
- Reswara, A.P.A. dan Sehah, 2014, Pendugaan Lapisan Reservoir Panas Bumi di Kawasan Gunungapi Slamet dengan Memanfaatkan Data Anomali Medan Gravitasi Citra Satelit, *Berkala Fisika*, 17, 2, 45-54.
- Richardson, R.M. dan Zandt, G., 2003, *Lecture Notes of Inverse Problem in Geophysics GEOS 567*, Department of Geosciences, University of Arizona, Tucson, Arizona.
- Rodi, W. dan Mackie, R.L., 2001, Nonlinear conjugate gradient algorithm for 2-D magnetotelluric inversion, *Geophysics*, 66, 1, 174-187.
- Setijadji, L.D., 2010, Segmented Volcanic Arc and its Association with Geothermal Fields in Java Island, Indonesia, *Proceedings World Geothermal Congress Bali, 25-29 April 2010*, 1275, 1-12.
- Simandjuntak, T.O., dan Barber, A.J., 1996, Contrasting tectonic styles in the Neogene orogenic belts of Indonesia, *Geological Society London Special Publications*, 106, 185-201.
- Simpson, F., dan Bahr, K., 2005, *Practical Magnetotellurics*, Cambridge University Press, United Kingdom.
- Surmayadi, M., 2014, Geokimia Panas Bumi Gunungapi Slamet Jawa Tengah, *Seminar Nasional Fakultas Teknik Geologi Unpad* Bandung, 24 Mei 2014, 163-183.



Sutawidjaja, I.S., Aswin, D. dan Sitorus, K., 1985, *Geological map of Slamet volcano, Central Java*, Volcanological Survey of Indonesia, Bandung.

Swift, C.M., 1967, A Magnetotelluric Investigation of an Electrical Conductivity Anomaly in the Southwestern United States, *Dissertation*, Department of Geology and Geophysics MIT, Cambridge.

Thiel, S., 2008, Modelling and Inversion of Magnetotelluric Data for 2-D And 3-D Lithospheric Structure, with Application to Obducted and Subducted Terranes, *Dissertation*, Department of Earth and Environmental Sciences, University of Adelaide, Adelaide.

Tikhonov, A.N. dan Arsenin, V.Y., 1977, *Solutions of Ill-Posed Problems*, Winston and Sons, Washington DC.

Ussher, G., Harvey, C., Johnstone, R. dan Anderson, E., 2000, Understanding the Resistivities Observed in Geothermal Systems, *Proceedings World Geothermal Congress 2000*, 29 Mei-10 Juni 2000, 1915-1920.

van Leeuwen, W.A., 2016, Geothermal exploration using the magnetotelluric method, *Dissertation*, Department of Earth Sciences Utrecht University, Utrecht.

Wiese, H., 1962, Geomagnetische Tiefentellurik Teil II: Die Streichrichtung der untergrundstrukturen des elektrischen Widerstandes, erschlossen aus geomagnetischen Variationen, *Geofisica Pura e Applicata*, 52, 83–103.

Xiao, W., 2004, Magnetotelluric Exploration in the Rocky Mountain Foothills, Alberta, *Thesis*, Department of Physics University of Alberta, Edmonton.

Zhdanov, M.S., 2009, *Geophysical Electromagnetic Theory and Methods*, edisi pertama, Elsevier, Amsterdam.

Zhdanov, M.S., Dmitriev, V.I. dan Gribenko, A.V., 2010, Joint Three-Dimensional Inversion of Magnetotelluric and Magnetovariational Data, *Izvestiya, Physics of the Solid Earth*, 46, 8, 655-660.