



DAFTAR PUSTAKA

- Acocella, V., Spinks, K., Cole, J. and Nicol, A., 2003. Oblique back arc rifting of Taupo Volcanic Zone, New Zealand. *Tectonics*, 22(4), p.1045.
- Bagher, A. M., Vahid, M. & Mohsen, M. 2014. Geothermal Energy. *Journal of Engineering and Technology Research*, 6(8), p.146-150.
- Barbier, E., 2002. Geothermal energy technology and current status: an overview. *Renewable and Sustainable Energy Reviews*, 6(1-2), pp.3-65.
- Cagniard, L., 1953. BASIC THEORY OF THE MAGNETO-TELLURIC METHOD OF GEOPHYSICAL PROSPECTING. *GEOPHYSICS*, 18(3), pp.605-635.
- Caldwell, T., Bibby, H. and Brown, C., 2004. The magnetotelluric phase tensor. *Geophysical Journal International*, 158(2), pp.457-469.
- Cassidy, J., Ingham, M., Locke, C. and Bibby, H., 2008. Subsurface structure across the axis of the Tongariro Volcanic Centre, New Zealand. *Journal of Volcanology and Geothermal Research*, 179(3-4), pp.233-240.
- Comeau, M., Unsworth, M. and Cordell, D., 2016. New constraints on the magma distribution and composition beneath Volcán Uturuncu and the southern Bolivian Altiplano from magnetotelluric data. *Geosphere*, 12(5), pp.1391-1421.
- Dmitriev, V. and Berdichevsky, M., 1979. The fundamental model of magnetotelluric sounding. Estados Unidos: The Institute of Electrical and Electronics Engineers, Inc-IEEE, p.1.
- Febriani, F., Widarto, D., Gaffar, E., Nasution, A. and Grandis, H., 2017. The magnetotelluric phase tensor analysis of the Sembalun-Propok area, West



- Nusa Tenggara, Indonesia. Journal of Physics: Conference Series, 817, p.012072.
- Fleming, C., 1953. The geology of the Wanganui subdivision. Wellington: D.S.I.R.
- Feynman, R., Leighton, R., Sands, M., Gottlieb, M. and Leighton, R., 2006. The Feynman lectures on physics. San Francisco: Pearson Addison Wesley.
- Grandis, H., 2009, Pengantar Pemodelan Inversi Geofisika, Himpunan Ahli Geofisika (HAGI), Jakarta.
- Gregg, D. and Gregg, D., 1960. Volcanoes of Tongariro National Park. New Zealand Dept. of Scientific and Industrial Research, Wellington.
- Halim, Rian Anugerah, 2018. "Geothermal Policy and Development." University o f Twente, University of Twente, pp. 9–11.
- Heise, W., Caldwell, T., Bibby, H. and Brown, C., 2006. Anisotropy and phase splits in magnetotellurics. Physics of the Earth and Planetary Interiors, 158(2-4), pp.107-121.
- Hill, G.J., Bibby, H.M., Peacock, J.R., Wallin, E.L., Ogawa, T., Caricchi, L., Keys, H., Bennie, S.L., and Avram, Y., 2020, Repeat Magnetotelluric Transfer F Functions from the 2012 Eruption of Tongariro, New Zealand data release: U.S. Geological Survey data release, <https://doi.org/10.5066/P9B1XU7O>.
- Kissling, W. and Weir, G., 2005. The spatial distribution of the geothermal fields in the Taupo Volcanic Zone, New Zealand. Journal of Volcanology and Geothermal Research, 145(1-2), pp.136-150.
- Khyzhnyak, M., 2014. Geoelectric strike and its application in magnetotellurics. Faculty of Earth Science, School of Engineering and Natural Sciences University of Iceland, Reykjavik.



- Lowe, David & Balks, Megan & Laubscher, N., 2014. Once despised now desired: innovative land use and management of multilayered Pumice Soils in the Taupo and Galatea areas, central North Island, New Zealand.
- Maswah, F., Suryantini, Srigutomo, W., Fajri, R., Pratama, A. and Pratomo, P., 2021. Magnetotelluric Data Analysis Using Phase Tensor and Tipper Strike to Determine Geoelectrical Strike in “DKH” Geothermal Field. IOP Conference Series: Earth and Environmental Science, 732(1), p.012014.
- Muttaqien, I. and Nurjaman, J., 2021. TWO-DIMENSIONAL INVERSION MODELING OF MAGNETOTELLURIC (MT) SYNTHETIC DATA OF A GRABEN STRUCTURE USING SimPEG. RISET Geologi dan Pertambangan, 31(1), p.1.
- Niasari, S.W., 2015, Magnetotelluric investigation of the Sipoholon geothermal field, Indonesia, Dissertation, Department of Earth Sciences, Freien universitat Berlin, Berlin.
- Nurul, M., Rasimeng, S., Yogi, I., Yulianata, A. and Yuliantina, A., 2020. FORWARD MODELLING METODE GAYABERAT DENGAN MODEL INTRUSI DAN PATAHAN MENGGUNAKAN OCTAVE. JURNAL GEOCELEBES, 4(2), p pp.111-117.
- Rodi, W. and Mackie, R., 2001. Nonlinear conjugate gradients algorithm for 2-D magnetotelluric inversion. GEOPHYSICS, 66(1), pp.174-187.
- Rowlands, D., White, R. and Haines, A., 2005. Seismic tomography of the Tongariro Volcanic Centre, New Zealand. Geophysical Journal International, 163(3), pp.1180-1194.
- Scott, B. and Potter, S., 2014. Aspects of historical eruptive activity and volcanic unrest at Mt. Tongariro, New Zealand: 1846–2013. Journal of Volcanology and Geothermal Research, 286, pp.263-276.



Simpson, F., dan Bahr, K., 2005, Practical Magnetotelluric, Cambridge University

Press,Cambridge.

Skalbeck, J., Karlin, R., Shevenell, L. and Widmer, M., 2005. Gravity and aeromagnetic modeling of alluvial basins in the southern Truckee Meadows adjacent to the Steamboat Hills geothermal area, Washoe County, Nevada. *GEOPHYSICS*, 70(3), pp.B1-B9.

Snieder, R. and Trampert, J., 1999. Inverse Problems in Geophysics. CISM International Centre for Mechanical Sciences, pp.119-190.

Tikhonov, A. and Arsenin, V., 1977. Solutions of ill-posed problems. N.Y.: Wiley.

Trainor-Guitton, W., Hoversten, G., Nordquist, G. and Intani, R., 2017. Value of MT inversions for geothermal exploration: Accounting for multiple interpretations of field data & determining new drilling locations. *Geothermics*, 66, p pp.13-22.

Triana, T., Yulianto, T., Harmoko, U. and Takodama, I., 2019. Identification of "WS" geothermal field system by analyzing TE, TM, and TE-TM of 2D magnetotelluric inversion models. *Journal of Physics and Its Applications*, 1(2), p.41.

Thiel, S., 2008. Modelling and inversion of magnetotelluric data for 2-D and 3-D lithospheric structure, with application to obducted and subducted terranes. Adelaide: University of Adelaide.

Thomas, D., 2016. Final Report on: Magnetotelluric and AudioMagnetotelluric Surveys on Department of Hawaiian Home Lands Mauna Kea East Flank. [online] Energy.hawaii.gov. Available at: <https://energy.hawaii.gov/wp-content/uploads/2011/10/DHHLGeophysicalSurveysRpt_3.29.17.pdf> [diakses 7 Juli 2022].



Vozoff, K., 1991. 8. The Magnetotelluric Method. Electromagnetic Methods in Applied Geophysics, pp.641-712.

Walsh, F. D. , Hochstein, M.P., Bromley, C.J., 1998. The Tongariro geothermal system (NZ): review of geophysical data. In: Proc. 20th NZ Geotherm. Work, pp. 317–324.

Weaver, J., Agarwal, A. and Lilley, F., 2003. The relationship between the magnetotelluric tensor invariants and the phase tensor of Caldwell, Bibby and Brown. ASEG Extended Abstracts, 2003(1), pp.1-8. - 267