

## DAFTAR PUSTAKA

- Abdlillah, M R., Aditio, M., Alamsyah, M.S., Haryanto, A.D., Rosana, M.F., 2017, Hidrogeokimia Air Manifestasi Panas Bumi di Daerah Cisolok – Cisukarame, Kabupaten Sukabumi, Provinsi Jawa barat, *Padjajaran Geosciences Journal*, Vol. 1, No. 3.
- Acuna, J.A., Stimac, J., Sirad-Azwar, L., dan Pasikki, R.G., 2008, Reservoir management at Awibengkok geothermal field, West Java, Indonesia. *Geothermics*, Vol. 37, 332-346.
- Allis, R., Moore, J.N., McCulloch, J., Petty, S. dan DeRocher, T., 2000. Karaha – Telaga Bodas, Indonesia: a partially vapor-dominated geothermal system. *Geothermal Resources Council*, Vol. 24, 217-222.
- Asikin, S., Handoyo, A., Busono, H., dan Gafoer, S., 1992, Peta Geologi Lembar Kebumen, Jawa, Skala 1:100.000, Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Aziz, K. N., Hartantyo, E., dan Niasari, S. W., 2018, The Study of Fault Lineament Pattern of the Lamongan Volcanic Field Using Gravity Data. The International Conference on Theoretical and Applied Physics , Yogyakarta.
- Balmino, G., Moynot, B., Sarrailh, M. dan Vales, N., 1987, Free Air Gravity Anomalies Over the Oceans from Seasat and GEOS 3 Altimeter Data, *Eos Transactions American Geophysical Union*, Vol. 69, 17-19.
- Bemmelen, R. W, 1949, *The Geology of Indonesia*. Martinus Nijhoff, The Hague, Belanda.
- Blakely, R.J., 1996, *Potential Theory in Gravity and Magnetic Applications*, Cambridge University Press, Edinburgh.
- Bothe, A.Ch.D., 1929, Djiwo Hills and Southern Range, Fourth Pacific Science Congress Excursion Guide.
- Carn, 2000, The Lamongan volcanic field, East Java, Indonesia: physical volcanology, historic activity and hazards, *Journal of Volcanology and Geothermal Research*, Vol. 95.
- Chasanah, U., dan Santosa, B. J., 2017, 3D Tomographic Imaging of P Wave Velocity Structure Beneath Java Island using Fast Marching Tomography Method, *Journal of Science*, Vol. 2, No. 1, Indonesia.
- Corbett, G.J., dan Leach, T.M, 1997, Southwest pacific rim gold-copper systems: structure, alteration, and mineralization, *Short Course Manual*.

- Cumming, W., 2009, Geothermal Recource Conceptual Models using Surface Exploration Data, Prosiding Thirty-Fourth Workshop on Geothermal Reservoir Engineering Stanford University, Stanford, California.
- Darma, S., Harsoprayitno, S., Setiawan, B., Hadyanto, Sukhyar, R., Soedibjo, A. W., Ganefianto, N., dan Stimac, J., 2010, Geothermal Energy Update: Geothermal Energy Development and Utilization in Indonesia, Proceedings of the World Geothermal Congress 2010, Bali, Indonesia.
- Deon, F., Förster, H. J., Brehme, M., 2015, Geochemical/hydrochemical evaluation of the geothermal potential of the Lamongan volcanic field (Eastern Java, Indonesia). *Geotherm Energy*, Vol. 3, No. 20.
- Djuri, M., Samodra, H., Amin, T. C., dan Gafoer, S., 1996, Peta Geologi Lembar Purwokerto dan Tegal, Jawa, Skala 1:100.000, Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Dobson, P. F., 2016, A Review of Exploration Methods for Discovering Hidden Geothermal Systems, *GRC Transactions*, Vol. 40, 695-706.
- Fauzi, A., Bahri, S., dan Akuanbatin, H., 2000, Geothermal development in Indonesia: An overview of industry status and future growth. Prosiding World Geothermal Congress 2000, Kyusho-Tohoku, Japan.
- Fauziyah, S., Khumaedi, dan Linuwih, S., 2015, Interpretasi Struktur Bawah Permukaan Daerah Mata Air Panas Krakal Kebumen dengan Menggunakan Metode Geolistrik. *Unnes Physics Journal*, Vol. 4, No. 2.
- Fu, L., Christensen, E.J., Yamarone Jr., C.A., Lefebvre M., Menard, Y., Dorrer, M., dan Escudier, P., 1994, TOPEX/POSEIDON Mission Overview, *Journal of Geophysical Research*, Vol. 99, 369-381.
- Garcia, R. F., Doornbos, E., Bruinsma, S., dan Hebert, H., 2014, Atmospheric gravity waves due to the Tohoku-Oki tsunami observed in the thermosphere by GOCE, *J. Geophys. Res. Atmos.*, Vol. 119, 4498– 4506.
- Garg, S.K., Pritchett, J.W., dan Combs, J., 2010, Exploring for Hidden Geothermal Systems, Proceedings World Geothermal Congress, Bali, Indonesia.
- Goff, F., dan Janik, C.J, 2000, Geothermal Systems, In: Sigurdsson, H. (Ed.), *Encyclopedia of Volcanoes*, Academic Press, Massachusetts.
- Grant, F. S., dan West, G.F., 1965, *Interpretation Theory in Applied Geophysics*, McGraw-Hill Book Company, New York.
- Gupta, H.K. dan Roy, S., 2007, *Geothermal energy: an alternative resource for the 21st century*, Amsterdam, Belanda, Elsevier.

- Hamilton, W.B., 1979, Tectonics of the Indonesian Region, Professional Paper 1078, U.S. Geology Survey., Washington, DC.
- Harijoko, A. dan Juhri, S., 2017, Cl/B ratio of geothermal fluid around Slamet Volcano, Jawa Tengah, Indonesia, 6th ITB International Geothermal Workshop. Indonesia.
- Hartono, Udi., 1994, The Petrology and Geochemistry of The Wills and Lawu Volcanoes, East Java, Indonesia, Disertasi dari Universitas Tazmania, Amerika.
- Hermawan, D., dan Rezky, Y., 2011, Delineasi Daerah Prospek Panasbumi Berdasarkan Analisis Kelurusan Citra Landsat di Candi Umbul-Telomoyo, Provinsi Jawa Tengah, *Buletin Sumber Daya Geologi*, Vol. 6, 1-10.
- Hermawan, D., Widodo, S., dan Mulyadi, E., 2012, Sistem Panasbumi Daerah Candi Umbul-Telomoyo Berdasarkan Kajian Geologi dan Geokimia, *Buletin Sumber Daya Geologi*, Vol. 7, 1-6.
- Hinze, W.J., von Frese, R.R.B., dan Saad, A.H., 2012, *Gravity and Magnetic Exploration*, Cambridge University Press, New York.
- Hochstein, M. P., dan Browne, P. R. L, 2000, Geothermal Systems, In: Sigurdsson, H. (Ed.), *Encyclopedia of Volcanoes*, Academic Press, Massachusetts.
- Hochstein, M.P. dan Sudarman, S., 2008, History of Geothermal Exploration in Indonesia from 1970 to 2000, *Geothermics*, Vol. 37, 220-226.
- Hochstein, M.P. dan Sudarman, S., 2015, Indonesian Volcanic Geothermal Systems, *Geothermics, Proceedings World Geothermal Congress 2015*, Melbourne, Australia.
- Julzarika, A., 2009, Pemanfaatan Interferometric Synthetic Aperture Radar (Insar) untuk Pemodelan 3D (DSM, DEM, dan DTM), *Majalah Sains Dan Teknologi Dirgantara Desember*, Vol. 4, 154–159.
- Katili, J. A., 1975, Volcanism and plate tectonics in the Indonesian island arcs, *Tectonophysics*, Vol. 26, 165-188.
- Keary, P., Brooks, M., Hill, I., 2002, *An Introduction to Geophysical Exploration 3<sup>rd</sup> Edition*. Blackwell Scientific Publications.
- Kementerian ESDM, 2017, *Prospek Panas Bumi Indonesia Jilid 1*, Kementerian ESDM, Jakarta.
- Kementerian ESDM, 2019, PLTP Lumut Balai Unit 1 Ditargetkan COD Agustus 2019, Kementerian ESDM, Jakarta. Diakses pada tanggal 28 September

2019,  
(<http://ebtke.esdm.go.id/post/2019/07/04/2276/pltp.lumut.balai.unit.1.ditar.getkan.cod.agustus.2019>)

- Kurniawan, F.A. dan Sebah, 2012, Pemanfaatan Data Anomali Gravitasi Citra GEOSAT dan ERS-1 Satellite untuk Memodelkan Struktur Geologi Cekungan Bentarsari Brebes. *Indonesian Journal of Applied Physics*, Vol. 2, 1-14. ISSN 2089 –0133.
- Kurniawan, I., Gracia, A., Wiradinata, R., Nandaliarasyad, N., Sutopo, T., Pratama, H., dan Prabata, T., 2018, Updating Conceptual Model of Cisolok-Cisukarame Geothermal Field, West Java, Indonesia, The 6th Indonesia International Geothermal Convention and Exhibition.
- Kusuma, P. A., 2016, Identifikasi Manifestasi Panasbumi, Fasies Vulkanik, dan Struktur Geologi di Gunung Ungaran Berdasarkan Interpretasi Citra ASTER L1B dan SRTM30M, di Kabupaten Semarang dan Kabupaten Kendal, Jawa Tengah: Yogyakarta, Universitas Gadjah Mada.
- Layman, E.B., dan S. Soemarinda, 2003, The Patuha vapor-dominated resource West-Java, Indonesia, Prosiding Workshop on Geothermal Reservoir Engineering 2003, Stanford, California.
- Marliyani, G.I., Helmi, H., Arrowsmith, J.R., Clarke, A., 2020, Volcano morphology as an indicator of stress orientation in the Java Volcanic Arc, Indonesia, *Journal of Volcanology and Geothermal Research*.
- Martakusumah, R., Srigutomo, W., Suryantini, N., Pratama, A., Trimadona, dan Haans, A., 2015, Gravity Analysis for Hidden Geothermal System in Cipanas, Tasikmalaya Regency, West Java, Proceedings World Geothermal Congress 2015, Melbourne, Australia.
- Maryanto, S., Siombone, S. H., Prayogo, A., Yulia, T., Sari, R. P. H., 2018, Preliminary Study: Density Layer Values Estimation of Volcano Hosted Geothermal Area at Tiris Village, Probolinggo Regency, East Java, Indonesia, *International Journal of Applied Engineering Research*, Vol. 13, No. 6.
- Moeck, I.S., 2014, Catalog of Geothermal Play Types Based on Geologic Controls, *Renewable and Sustainable Energy Reviews*, Vol. 37, 867-882.
- Nagao, T., dan Uyeda, S., 1995, Heat-flow distribution in Southeast Asia with consideration of volcanic heat, *Tectonophysics*, Vol. 251, 153-159.
- Nahrowi, T. Y., Suratman, Namida, S., Hidayat, S., 1980, Geologi Pegunungan Jawa Timur, Prosiding PIT HAGI IX.

- Oktoberimana, Ramadhan, D. A., Rizki, F., Tawakal, R., 2015, Identification of Geothermal Potential Based on Fault Fracture Density (FFD), Geological Mapping and Geochemical Analysis, Case Study: Bantarkawung, Brebes, Central Java”, *KnE Energy*, Vol. 2, 141-151.
- Packham, G., 1996, Cenozoic SE Asia: Reconstructing its aggregation and reorganisation. In *Tectonic Evolution of SE Asia*, Diedit oleh Hall, R. dan Blundell, D. J., Geological Society of London Special Publication Vol. 106, 123-152.
- Parasnis, D. S., 1986, Principles of Applied Geophysics 4th Edition, Chapman and Hall: New York.
- Pollack, H. N., Hurter, S. T., dan Johnson, J. R., 1993, Heatflow from the Earth's Interior, Analysis of the Global data set. *Reviews of Geophysics*, Vol. 31, 267-280.
- Pritchett, J.W., 2004, Finding hidden geothermal resources in the Basin and Range using electrical survey techniques: a computational feasibility study. Report SAIC-04/1031, Science Applications International Corporation, San Diego, California.
- Purnomo, B.J., dan Pichler, T., 2014, Geothermal systems on the island of Java, Indonesia, *Journal of Volcanology and Geothermal Research*, Vol. 285, 47-59.
- Rahardjo, W., Sukandarumidi, Rosidi, H. M. D., 1995, Peta Geologi Lembar Yogyakarta, Jawa, Skala 1:100.000, Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Samodra, H., Gafoer, S., Tjokrosapoetro, S., 1992, Peta Geologi Lembar Pacitan, Jawa Timur, Skala 1:100.000, Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Saptadji, N.M., 2001, Teknik Panasbumi, Diktat kuliah, Departemen Teknik Perminyakan, Fakultas Ilmu Kebumihan dan Teknologi Mineral, Institut Teknologi Bandung.
- Schieferdecker, A.A.G. (editor), 1959, Geological Nomenclature, Noorduijn, Gorinchem.
- Schminke, H. U., 2003, *Vulcanism*, Springer-Verlag: Heidelberg Perfit, Michael R dan Jon P. Davidson., 2000, *Plate Tectonic and Volcanism*, University of Florida & University of California, Los Angeles, Academic Press: USA.
- Setijadji, L.D., 2010, Segmented Volcanic Arc and its Association with Geothermal Fields in Java Island Indonesia, *Proceedings World Geothermal Congress 2010, Bali, Indonesia, 25-29 April 2010*.

- Simandjuntak, T.O. dan Barber, A.J., 1996, Contrasting Tectonic Styles in the Neogene Orogenic Belts of Indonesia, *Tectonic evolution of Southeast Asia*, Geological Society Special Publication, Vol. 106, 185-201.
- Soengkono, S., 1999, Analysis of Digital Topographic Data for Exploration and Assessment of Geothermal System, Proceeding 21st New Zealand Geothermal Workshop.
- Stimac, J., Nordquist, G., Suminar, A., Azwar, L.S., 2008, An overview of the Awibengkok geothermal system, Indonesia, *Geothermics*, Vol. 37, 300-331.
- Suharsono, dan Suwarti, T., 1992, Peta Geologi Lembar Probolinggo, Jawa, Skala 1:100.000, Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Sujatmiko dan Santosa, S., 1992, Peta Geologi Lembar Leuwidamar, Jawa, Skala 1:100.000, Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Telford, W.M., Geldart, L.P., dan Sheriff, R.E., 1990, *Applied Geophysics: 2<sup>nd</sup> Edition*, New York: Cambridge University Press.
- Tempfli, K., 1991, DTM and differential modelling in: Proceedings ISPRS and OEEPE joint workshop on updating data by photogrammetric records, Oxford, England, 193-200.
- Thaden, R. E., Sumadirja, H., Richards P. W., dan Amin T. C., 1996, Peta Geologi lembar Magelang dan Semarang, Jawa, Skala 1:100.000, Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Untung, M., Sato, Y., 1978, Gravity and Geological Studies in Jawa, Indonesia. Badan Geologi Indonesia dan Badan Geologi Jepang.
- Utami, P., 2000, Characteristics of the Kamojang Geothermal Reservoir (West Java) as Revealed by its Hydrothermal Alteration Mineralogy, Proceedings, World Geothermal Congress 2000, Kyushu-Tohoku, Japan.
- Vice, G. S., Faulds, J. E., Ehni, W. J., dan Coolbagh, M. F., 2007, Structural Controls of a Blind Geothermal System in the Northern Pyramid Lake Area, Northwestern Nevada, *GRC Transaction*, Vol. 31.
- Wohletz, K., dan Heiken, G., 1992, *Volcanology and Geothermal Energy* (Los Alamos Series in Basic and Applied Sciences), University of California Press.