

## DAFTAR PUSTAKA

- Allard, P., Dajlevic, D., dan Delarue, C., 1989, Origin of Carbon Dioxide Emanation From the 1979 Dieng Eruption, Indonesia: Implications for the Origin of the 1986 Nyos Catastrophe: *Journal of Volcanology and Geothermal Research*, p. 195-206
- Akasaka, C., Shimizu, I., Nakanishi, S., dan Tezuka S., 2011, A Large Wellfield Steam Explosion at the Onikobe Geothermal Power Station, *GRC Transactions*, Vol. 35, 1221-1226.
- Arnorsson, S., 1983b, Gas Chemistry in Geothermal System, Ninth workshop on geothermal reservoir engineering: *Proceedings (No. SGP-TR-74)*, Stanford Univ., CA (United States), p. 231-237.
- Arnorsson, S., dan Gunnlaugsson, E., 1985. New Gas Geothermometers for Geothermal exploration-calibration and application. *Geochemica et Cosmochimica Acta*, Vol. 49, p. 1307-1325.
- Badan Koordinasi Survey dan Pemetaan Nasional, 2000, Peta Rupabumi Digital Indonesia Lembar 1408-442 Kejajar, Bogor: BAKONSURTANAL, skala 1:25.0000.
- Badan Meteorologi, Klimatologi, dan Geofisika, 2025, Musim Kemarau Basah: Fenomena, Penyebab, dan Dampaknya di Indonesia, <https://gaw-bariri.bmkg.go.id/index.php/karya-tulis-dan-artikel/artikel/265-musim-kemarau-basah-fenomena-penyebab-dan-dampaknya-di-indonesia> (diakses pada Februari 2026).
- Badan Pusat Statistik Kabupaten Banjarnegara, 2016, Data Curah Hujan 2014-2016: <https://banjarnegarakab.bps.go.id/indicator/151/43/1/banyaknya-curahhujan.html> (diakses pada Oktober, 2025).
- Badan Pusat Statistik Kabupaten Wonosobo, 2020, Data Curah Hujan 2020: <https://wonosobokab.bps.go.id/indicator/151/212/2/banyaknya-curahhujan-menurut-kecamatan.html> (diakses pada Oktober, 2025).
- Barberi, F., Bertagnini, A., Landi, P., dan Principe, C., 1992, A Review on Phreatic Eruptions and Their Precursors: *Journal of Volcanology and Geothermal Research*, v. 52, p. 231–246.
- Bayer, P., Rybach, L., Blum, P., dan Brauchler, R., 2013, Review on Life Cycle Environmental Effects of Geothermal Power Generation: *Renewable and Sustainable Energy Reviews*, p. 446-463.
- Boedihardi, M., Suranto, dan Sudarman. S., 1991, Evaluation of the Dieng geothermal field; Review of development strategy p. 347-361.
- Brahmanyto, B. dan Bandonu, 2006, Klasifikasi Bentuk Muka Bumi (*Landform*) untuk Pemetaan Geomorfologi pada Skala 1:25.000 dan Aplikasinya untuk Penataan Ruang. *Jurnal Geoaplika*, 1 (2), 71-79.
- Browne, P.R.L., 1978, Hydrothermal Alteration in Active Geothermal Fields. *Annual Reviews on Earth and Planetary Science*, v.6, p. 229-50.
- Cas, R.A.F. dan Wright, J. V., 1988, *Volcanic Successions: Modern and Ancient*: London, UK, Chapman & Hall, v. 39, 531 p.

- Chen, P.Y., 1977, Table of Key Lines in X-ray Powder Diffraction Patterns of Minerals in Clays and Associated Rocks. Indiana: Department of Natural Resources, Geological Survey Occasional Paper 21, 77 p.
- Cody, A.D., 2007, Geodiversity of geothermal fields in the Taupo Volcanic Zone, in Department of Conservation, Wellington, Research & Development Series 281, 70 p.
- Craig, H., 1961, Isotopic variations in meteoric waters: Science (New York, N.Y.), v. 133, p. 1702–1703.
- Corbett, G., dan Leach, T., 1997, Southwest Pacific Rim Gold-Copper Systems: Structure, Alteration, and Mineralization: Short course manual. Society of Economic Geologists, 318 p.
- D'amore, F., dan Panichi, C., 1985, Geochemistry in geothermal exploration: International Journal of Energy Research, v. 9, p. 277–298.
- Drone Deploy, 2014, Work Smarter with Drone Data. <https://www.dronedeploy.com/> diakses Maret, 2025.
- Ellis, A. J., dan Mahon, W. A. J., 1977. Chemistry and Geothermal Systems. New York: Academic Press, Inc, 379 p.
- Erfurt-Cooper, P., and Cooper, M, 2010, Volcano and geothermal tourism: Sustainable Geo-resources for leisure and recreation: London, England, Earthscan, 360 p.
- Fournier, R. O., 1990, The Interpretation of Na-K-Mg Relations in Geothermal Waters, Geoth. Res. Council Trans., 14, p. 1421-1425.
- Giggenbach, W.F., 1992, Magma Degassing and Mineral Deposition in Hydrothermal Systems along Convergent Plate Boundaries, Economic Geology 87, p. 1927-1944.
- Giggenbach, W.F., 1988, Geothermal solute equilibria. Derivation of Na-K-Mg-Ca geothermometers, Geochim. Cosmochim. Acta, 52, p. 2749-2765.
- Giggenbach, W.F., dan Glover, R.B., 1992, Tectonic regime and major processes governing the chemistry of water and gas discharges from the rotorua geothermal field, New Zealand: Geothermics, v. 21, p. 121–140.
- Giggenbach, W. F. dan Gougel R.L., 1989, Collection and analysis of geothermal and volcanic water and gas discharges; Chem. Div. DSIR Rept., 2401, 81.p
- Harijoko, A., Uruma, R., Wibowo, H.E., Setijadji, L.D., Imai, A., Yonezu, K., dan Watanabe, K., 2016, Geochronology and Magmatic Evolution of the Dieng Volcanic Complex, Central Java, Indonesia and Their Relationships to Geothermal Resources: Journal of Volcanology and Geothermal Research, v. 310, p. 209–224.
- Henley, R.W. dan Ellis, A.J, 1983, Geothermal Systems Ancient and Modern: A Geochemical Review. Belanda: Earth-Science Reviews, 19 p. 1-50
- Hochstein, M.P., dan Browne, P.R.L., 2000, Surface Manifestations of Geothermal System with Volcanic Heat Source, in Sigurdsson, H. ed., Encyclopedia of Volcanoes, Auckland, New Zealand, Academic Press, v. 1, p. 835–855.
- Karnawati, D., 2005, Bencana Alam Gerakan Tanah di Indonesia dan Upaya Penanggulannya: Yogyakarta, Departemen Teknik Geologi Fakultas Teknik Universitas Gadjah Mada, 232 p.

- Kartadinata, M. N., Sumpena, A. D., Pujowarsito, dan Suherman, W, 2011, Peta Kawasan Rawan Bencana Gunungapi Dieng, Provinsi Jawa Tengah. Jawa Tengah: Pusat Vulkanologi dan Mitigasi Bencana Geologi, skala 1:25.000.
- Keam, R. F., Luketina, K. M., dan Pipe, L. Z., 2005, Definition and Listing of Significant Geothermal Feature Types in the Waikato Region, World Geothermal Congress: Antalya, p. 1-12.
- Kementerian Energi dan Sumber Daya Mineral, 2017, Kawah Sileri Letuskan Semburan Gas, Badan Geologi Kementerian ESDM Kirim Tim Tanggap Darurat, 2 Juli 2017, <https://www.esdm.go.id/en/berita-unit/geological-agency/badan-geologi-rekomendasi-kawah-sileri-telah-disampaikan> (diakses Desember, 2024).
- Kencana, A.Y., Elfina, Alibazah, J.S., Fajri, R.J., Supijo, M.C., Nurpratama, M.I. (2024). Initial State Fluid Geochemistry of the Dieng Geothermal Field, Indonesia: New Constraints for Conceptual Model. In Proceedings.
- Layman, E.B., Agus, I., dan Warsa, S., 2002, The Dieng Geothermal Resource, Central Java, Indonesia. *Geothermal Resource Council Transaction*, v.26, p. 573-579.
- Lillesand, T. M., Kiefer, R. W., dan Chipman, J. W., 2015, *Remote Sensing and Image Interpretation Seventh Edition*: New Jersey, Willey, 768 p.
- Menteri Pekerjaan Umum, 2007, *Pedoman Penataan Ruang Kawasan Rawan Bencana Longsor*, 148 p.
- Miller, C. D., Sushyar, R., dan Hamidi, S., 1983, *Eruptive History of the Dieng Mountains Region, Central Java, and Potential Hazards from Future Eruptions: Volcanological Survey of Indonesia*, Bandung, Indonesia, 20 p.
- Moore, J.N., dan Reynolds, R.C, 1997, *X-Ray Diffraction and the Identification and Analyses of Clay Minerals*. Oxford: Oxford University Press, 376 p.
- Nicholson, K, 1993, *Geothermal Fluids, Chemistry & Exploration Techniques*. Berlin: Springer Verlag Inc, 263 p.
- Nurpratama, M. I., Atmaja, R. W., Elfina, Wibowo, Y. T., Harijoko, A., Husein, S., dan Utami, P., 2015, Detailed Surface Structural Mapping of the Dieng Geothermal Field in Indonesia, *World Geothermal Congress: Melbourne*, p.1-8.
- Pemerintah Indonesia, 2004, *Undang Undang Republik Indonesia Nomor 38 Tahun 2004 Tentang Jalan*.
- Pusat Vulkanologi dan Mitigasi Bencana Geologi, 2024, *Penyampaian kenaikan tingkat aktivitas G. Dieng, Jawa Tengah dari Level I (Normal) menjadi Level II (Waspada) [Siaran Pers]*. 20 Desember 2024, Diakses dari <https://vsi.esdm.go.id/press-release/penyampaian-kenaikan-tingkat-aktivitas-g-dieng-jawa-tengah-dari-level-i-normal-menjadi-level-ii-waspada>.
- Pusat Vulkanologi dan Mitigasi Bencana Geologi, 2025, *Erupsi Freatik Kawah Sileri G. Dieng, Jawa Tengah Pada 6 Januari 2025 Pukul 10:58:02 WIB [Siaran Pers]*. 6 Januari 2025, Diakses dari <https://vsi.esdm.go.id/press-release/erupsi-freatik-kawah-sileri-g-dieng-jawa-tengah-pada-6-januari-2025-pukul-105802-wib>.

- Pusat Vulkanologi dan Mitigasi Bencana Geologi, 2024, Sejarah Letusan di Kompleks Gunungapi Dieng Beserta Jumlah Korban dan Besar Letusannya (VEI), Pos Pengamatan Gunung Api (PGA) Dieng (Tidak diterbitkan).
- Powell, T., 2000, A Review of Exploration Gas Geothermometry, Proceedings, 25th Workshop on Geothermal Reservoir Engineering, Stanford University, Stanford, p. 1-9.
- Powell, T. dan Cumming, W., 2010, Spreadsheets for Geothermal Water and Gas Geochemistry, Proceedings, 25th Workshop on Geothermal Reservoir Engineering, Stanford University, Stanford, CA, SGP-TR-188, p. 1-10.
- Rye, R.O., 1993, The evolution of magmatic fluids in the epithermal environment: The stable isotope perspective: *Economic Geology*, v. 88, p. 733-753.
- Sabins, F.F., 1996, Remote sensing: Principles and interpretation: New York, NY, W.H. Freeman, 490 p.
- Scott, B. J., 2012, Guideline for Mapping and Monitoring: Whakatane, Bay of Plenty Regional Council, 42 p.
- Shalihin, M. G. J., Utami, P., & Nurpratama, M. I. (2020). The Subsurface Geology and Hydrothermal Alteration of the Dieng Geothermal Field, Central Java: A Progress Report. In IOP Conference Series: Earth and Environmental Science (Vol. 417, No. 1, p. 012010). IOP Publishing, 13 p.
- Siebert, L., Simkin, T., and Kimberly, P., 2019, Volcanoes of the world: Third edition: University of California Press, 417 p.
- Sigurdsson, H., 2000, Encyclopedia of Volcanoes. San Diego: Academic Press, 1417 p.
- Sondakh, G. G., 2018, Dieng Geothermal Project: Risk Assessment for a Decision on 69 MW Expansion: Reykjavik, United Nations University.
- Sukhyar, R., Sumartadipura, N. S., dan Effendi, W., 1986, Peta Geologi Komplek Gunungapi Dieng, Jawa Tengah. Jawa Tengah: Pusat Vulkanologi dan Mitigasi Bencana Geologi
- van Bemmelen, R. W., 1949, The Geology of Indonesia: General Geology of Indonesia and Adjacent Archipelagoes, p. 163.
- van Padang, N., 1951, Catalogue of The Active Volcanoes of The World Including Solfatara Fields (International Volcanological Association, Ed.): Napoli, Italia, p. 107-111.
- Varnes, D. J., 1978, Slope Movement Type and Processes, Special Report 176; Landslide; Analisis and Control, Eds: R. L. Schuster dan R. J. Krizek, Transport Research Board, National Research Council, Washington, D. C., p. 11-33.
- Van Zuidam, R.A., 1983, Guide to Geomorphologic Aerial Photographic Interpretation and Mapping: Netherland, ITC, Enschede, p. 65.
- Wicaksono, D.D., Setiawan, N.I., Wilopo, W., dan Harijoko, A., 2017, Teknik Preparasi Sampel dalam Analisis Mineralogi dengan XRD (*X-Ray Diffraction*) di Departemen Teknik Geologi, Fakultas Teknik, Universitas Gadjah Mada., Proceeding, Seminar Nasional Kebumihan ke-10 Peran Ilmu Kebumihan dalam Pembangunan Infrastruktur di Indonesia, 1864-1880.
- Williams-Jones, G., dan Rymer, H., 2015, Hazards of Volcanic Gases: In The encyclopedia of volcanoes, Academic Press, 985-992.