

DAFTAR PUSTAKA

- Barfield, R. H., 1934, *Some measurements of the electrical contents of the ground at short wavelengths by the wave tilt method*, Proc. Inst. Electr. Electron. Eng.
- Baker, H. A. and Myers, J. O., 1980, A Topographic Correction for VLF-EM Profiles Based on Model Studies, *Geoexploration*, 18: 135-144.
- Bosch, F. P. and Muller, I., 2005, Improved karst exploration by VLF-EM gradient survey: comparison with other geophysical methods, *European Association of Geoscientist & Engineers, Near Surface Geophysics*, 3:299-310.
- Bothe, A.CH.D., 1929. *Jiwo Hill and Sothern range*. Excursion Fourt guide, Pasific ScienceCongress, Bandung.
- Burhan, I., 2005, Two Dimension VLF Electromagnetic Wave Response on a Cave In Karst Area Model Using The Finite Elemen Method, *Tesis*, Prodi Fisika UGM, Yogyakarta.
- Coppo, N., Schnegg, P., and Defago, M., 2006, Mapping a shallow large cave using a high resolution Very Low Frequency Electromagnetic Method, *Proceedings of the 8th conference on limestone hydrogeology, Neuchatel Switzerland*, page: 268.
- Fischer, G., Le Quang, B.V. dan Muller, I. (1983), —VLF Ground Surveys: a Powerful Tool for the Study of Shallow Two-Dimensional Structures, *Geophysical Prospecting*, Vol. 31, No. 6, hal. 977–991.
- Fokatea, S., 2005, Pemetaan Sungai Bawah Tanah di Daerah Semanu, Dusun Gaduhan, Gunung Kidul, Yogyakarta dengan Menggunakan Metode Elektromagnetik *Very Low Frequency* (VLF) dan Magnetik, Tesis, Geofisika FMIPA, UGM, Yogyakarta.
- Fraser, D. C., 1969, Countouring of VLF-EM data, *Geophysics*, 34: 958-967.
- Frolov, A. F., Loginova, M. A. and Kiseleva, M. M., Zhur Physics. Khim. Prom. 35 (1961).
- Guiñón, J.L., Ortega, E., Garcia A, J., and Perez H, V., 2007, Moving Average & Savizki-Golay Smoothing Filter Using Mathcad, *International Conference on Engineering Education-ICEE*, September 3-7, 2007.
- Haryono, E., 2001, Nilai Hidrologis Bukit Karts, *Makalah pada seminar National, Eko-Hidrolik, 28-29 Maret 2001*, Jurusan Teknik Sipil, UGM.
- Kaikkonen, P., 1979, Numerical VLF Modelling, *Geophysical Prospecting*, 27: 815-834.
- Karous, M. dan Hjelt, S. E. 1983. *Linier Filtering of VLF Dip-Angle Measurements*. *Geophysical Prospecting* 31, 782-794.

- Kusumayudha, S.B., 2005, Hidrogeologi Karst dan Geometri Fraktal di Daerah Gunungsewu, Adicita, Yogyakarta.
- McNeill, J. D. and Labson, V. F. (1991), —Geological mapping using VLF radio fields, dalam *Electromagnetic Methods in Applied Geophysics : Volume 2, Application, Part B*, ed. Nabighian, M.N., SEG, Tulsa, hal. 521-640.
- Milsom, J., 2002, *Field Geophysics-The Geological Field Guide Series*, Third edition, John Wiley & Son, London.
- Ndatuwong, L. And Yadav, G. S., 2013, Analysis and Interpretation of In-Phase component of VLF-EM Data Using Hilbert Transform And Amplitude of Analytical Signal, *Journal of Environment and Earth Science*, 3(11): 11-23.
- Niasari, S. W., 2005, Eksplorasi Sungai Bawah Tanah dengan Menggunakan Data VLF Terkoreksi Topografi di Daerah Gua Bribin (Antara Mulut Gua Sampai Lubang Bor), *Skripsi*, Geofisika FMIPA UGM, Yogyakarta.
- Nissen, J. 1986. *Geophysical Prospecting*. [Volume 34, Issue 7](#), pages 1099–1110
- Nurwibowo, A., 2004, Pemetaan Sungai Bawah Tanah Menggunakan Metode Very Low Frequency di daerah Ngotok, Semanu, Gunung Kidul, Yogyakarta, *Skripsi*, Geofisika FMIPA, UGM, Yogyakarta.
- Paal, G., 1965, Ore Prospecting based on VLF radio signal, *Geoexploration*, 3: 139-147.
- Paterson, N.R. dan Ronka, V. (1971), —Five years of surveying with the very low frequency electromagnetic method, *Geoexploration*, Vol. 9, No. 1, hal. 7–26.
- Pirttijarvi, M., 2008, *Gravity interpretation and modeling software based on 3-D block models. User's guide to version 1.6b*. Department of Physics Sciences. University of Oulu. Finlandia.
- Rani, S., 2013, Modul Pelatihan Pemrograman Matlab, Ilmu Komputer, FMIPA, UGM, Yogyakarta.
- Regandara, R., 2009, Geologi dan Karakterisasi Rekahan Pada Batu Gamping di Daerah Nglipar, Kabupaten Gunung Kidul, Daerah Istimewa Yogyakarta, *Skripsi*, Fakultas Ilmu dan Teknologi Kebumihan, ITB, Bandung.
- Retna, K. A., 2014, Pemodelan 2D Sungai Bawah Tanah Seropan Dengan Metode VLF-EM di Kecamatan Semanu, Kabupaten Gunung Kidul, Yogyakarta. *Tesis*, Fisika FMIPA, UGM, Yogyakarta.
- Reynolds, J. M., 1998, *An Introduction to Applied and Environmental Geophysics*, John Wiley & Sons Ltd., West Sussex, England.

- Ridwan, F., 2005, Pemetaan Sungai Bawah Tanah Menggunakan Metode Very Low Frequency di daerah Nangsri, Semanu, Gunung Kidul, Yogyakarta, *Tesis*, Jurusan Fisika FMIPA UGM, Yogyakarta.
- Samodra, H., dan Sutisna, K., 1997, *Peta Geologi Lembar Klaten (Bayat), Jawa, skala 1:50.000*. Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Santos, F. A. M., Mateus, A., Figueiras, Jorge., and Goncalves. M. A., 2006, Mapping Groundwater Contamination Around a Landfill Using the VLF-EM Method- A Case Study, *Journal of Applied Geophysics*, 60:115-125.
- Saydam, A. S., 1981, Very Low-Frequency Elektromagnetic Interpretation Using Tilt Angle and Ellipticity Measurements, *Geophysics*, 46: 1594-1605.
- Sismanto, Eddy H., Sudarmadji, M. Nukman, dan W. Suryanto, 2002, Uji Alat dan Metoda Geofisika Terpadu Terhadap Sungai Bawah Tanah di Goa Bribin, Semanu, Wonosari, Gunung Kidul, Yogyakarta, *Laporan Penelitian*, Geofisika FMIPA, UGM, Yogyakarta.
- Sismanto, Eddy H., Sudarmadji, M. Nukman, dan W. Suryanto, 2003, Tanggapan Gelombang Elektromagnetik Frekuensi Rendah (VLF) dari Sungai Bawah Tanah: Sebuah Uji Coba Metoda VLF di Sekitar Goa Bribin, Gunung Kidul, Yogyakarta, *Jurnal Fisika Indonesia*, 20(7):31-42.
- Sudarno, I., 1997, *Kendali tektonik terhadap pembentukan struktur pada batuan Paleogen dan Neogen di Pegunungan Selatan, Daerah Istimewa Yogyakarta dan sekitarnya*, Thesis Magister Teknik, Institut Teknologi Bandung, Bandung, 167 h.
- Surono, Toha, B., dan Sudarno, I., 1992, *Peta Geologi Lembar Surakarta-Giritontro, Jawa*, Pusat Penelitian Pengembangan Geologi, Bandung.
- Surono, 2008, Litostratigrafi dan sedimentasi Formasi Kebo dan Formasi Butak di Pegunungan Baturagung, Jawa Tengah Bagian Selatan, *Jurnal Geologi Indonesia*, Bandung.
- Van Bemmelen, R. W., 1949. The Geology of Indonesia Vol 1 A, General Geology of Indonesia and Adjacent Archipelagoes, Government Printing Official: The Hague.
- Wahyu, H., 2005, Pemetaan Sungai Bawah Tanah Menggunakan Metode Very Low Frequency di daerah Plebengan, Semanu, Gunung Kidul, Yogyakarta, *Skripsi*, Geofisika FMIPA, UGM, Yogyakarta.
- Widiarsono, T., 2005, Tutorial Praktis Belajar Matlab, Fakultas Teknik, ITB, Bandung.