# DAFTAR PUSTAKA


Alonso Marcelo, & J.Finn Edward. (1992). *PHYSICS*.

Annan, A. P. (2001). Ground Penetrating Radar. Sensors & Software Inc., Mississauga, Ontario, Canada.

Annan, A. P. (2008). Electromagnetic Principles of Ground Penetrating Radar. https://doi.org/10.1016/B978-0-444-53348-7.00001-6.

Arief, M., & Sumargana, L. (2021). Penggunaan Metode Ground Penetrating Radar (GPR) Untuk Identifikasi Utilitas Bawah Tanah. *PRISMA FISIKA*, *9*(3), 244–248.

Arifin, M. S., Mandang, I., & Dahlan Balfas, M. (2025). Studi Identifikasi Ketebalan Sedimen Menggunakan Metode Ground Penetrating Radar (GPR) di Waduk Benanga, Samarinda Kalimantan Timur. *Jurnal Geosains Kutai Basin*, *8*(1).

Arizona (2012). Interprestasi Data Lapangan Ground Penetrating Radar (GPR) dengan Pemodelan Kedepan 2D. Jurnal Aplikasi Fisika 8(1), 2012.

Buynevich, I. V, Jol, H. M., & FitzGerald, D. M. (2009a). Coastal environments. Dalam *Ground penetrating radar theory and applications* (hlm. 299–322). Elsevier.

Buynevich, I. V, Jol, H. M., & FitzGerald, D. M. (2009b). Coastal environments. Dalam *Ground penetrating radar theory and applications* (hlm. 299–322). Elsevier.

Chi, Y., Huddleston, M. J., Zhang, X., Young, R. A., Annan, R. S., Carr, S. A., & Deshaies, R. J. (2001). Negative regulation of Gcn4 and Msn2 transcription factors by Srb10 cyclin-dependent kinase. *Genes & development*, *15*(9), 1078–1092.

Daniels, D. J. (1996). Surface-penetrating radar. *Electronics & Communication Engineering Journal*, *8*(4), 165–182.

Daniels, D. J. (2004). *Ground penetrating radar* (Vol. 1). Iet.

Davis, J. L., & Annan, A. P. (1989). Ground-penetrating radar for high-resolution mapping of soil and rock stratigraphy 1. *Geophysical prospecting*, *37*(5), 531–551.

Dobreva, I. D., Ruiz-Guzman, H. A., Barrios-Perez, I., Adams, T., Teare, B. L., Payton, P., Everett, M. E., Burow, M. D., & Hays, D. B. (2021). Thresholding analysis and feature extraction from 3D ground penetrating radar data for noninvasive assessment of peanut yield. *Remote Sensing*, *13*(10), 1896.

Feranie, S., Tohari, A., Karmila, I., & Puspitasari, A. D. (2023). Penerapan Metode GPR dan Geoteknik pada Kajian Jalan, Jembatan, dan Lereng : Review. *Jurnal Sains dan Edukasi Sains*, *6*(2), 51–64. https://doi.org/10.24246/juses.v6i2p51-64

Gandadipoera, F. M. F. (2021). Identifikasi jenis dan keberadaan utilitas bawah permukaan menggunakan metode Ground Penetrating Radar di daerah Penjaringan, Jakarta Utara

Griffiths, D. J. (2017). *Introduction to Electrodynamics* (4 ed.). Cambridge University Press. https://doi.org/DOI: 10.1017/9781108333511

Geophysical Survey Systems, Inc. (2016). Utility Locating Handbook. Geophysical Survey Systems, Inc.

Hurtado-Domínguez, R., & Dieck, Z. (2025). Volver a la persona: ser familiar y doméstico. Una reflexión a la luz del pensamiento de Rafael Alvira (1942-2024). *Conocimiento y Acción*.

Jannah, A. N., Faqih, A., Dita, M. S. A., Juliandro, D., Rahayu, H. K., & Lestari, W. (2024). IDENTIFIKASI KEMENERUSAN PIPA AIR BAWAH PERMUKAAN MENGGUNAKAN METODE GROUND PENETRATING RADAR (GPR). *Jurnal Geosaintek*, *10*(1), 22. https://doi.org/10.12962/j25023659.v10i1.19187

Kim, J.-H., Cho, S.-J., & Yi, M.-J. (2007). Removal of ringing noise in GPR data by signal processing. *Geosciences Journal*, *11*(1), 75–81. https://doi.org/10.1007/BF02910382

Kunz, K. S., & Luebbers, R. J. (1993). *The finite difference time domain method for electromagnetics*. CRC press.

Lehmann, F., & Green, A. G. (1999). Semiautomated georadar data acquisition in three dimensions. *Geophysics*, *64*(3), 719–731.

Luga, A., Ivansyah, O., Jurusan Fisika, M., Universitas Tanjungpura, F., Hadari Nawawi, J., Negeri Pontianak, P., & Ahmad Yani, J. (2019). Hal. 20-29 Identifikasi Pipa Metal Bawah Permukaan Menggunakan Metode Ground Penetrating Radar (GPR). *PRISMA FISIKA*, *7*(1).

Martel, C. (2002). *Modelling and design of antennas for ground-penetrating radar systems*. University of Surrey (United Kingdom).

Matthiessen, C., & Halliday, M. A. K. (2013). *Halliday, M.A.K. & Christian M.I.M Matthiessen. 2013. Halliday's introduction to functional grammar. Fourth Edition. London: Routledge.*

Mccallum, A. (t.t.). *Quantitative comparison of Cone Penetration Testing (CPT) tip resistance data with Ground Penetrating Radar (GPR) amplitude data*.

Migrasi, A., Azizah, J., & Amin, J. (2016). *Pemfokusan Citra Radar untuk Hasil Pemodelan Radar Penembus Permukaan menggunakan*. *4*(1), 110–122.

Minshull, T. (2003). KEAREY, P., BROOKS, M. HILL, I. 2002. An Introduction to Geophysical Exploration, 3rd ed. ix + 262 pp. Oxford: Blackwell Science. Price 29.95 (paperback). ISBN 0 632 04929 4. *Geological Magazine - GEOL MAG*, *140*, 366. https://doi.org/10.1017/S0016756803378021

Mussett, A. E., & Khan, M. A. (2000). *Looking Into the Earth: An Introduction to Geological Geophysics*. Cambridge University Press. https://books.google.co.id/books?id=nzJLiPjHvCQC.

Nuaimy, Huang, Y., Nakhkash, M., Fang, M. T. C., Nguyen, V. T., dan Eriksen, A. (2000): Automatic detection of buried utilities and solid objects with GPR using neural networks and pattern recognition, Journal of Applied Geophysics, 43(2–4), 157–165. https://doi.org/10.1016/S0926-9851(99)00055-5.

Pasasa, L. (1999): Hochauflösende Prestack-Kirchhoff-Tiefenmigration: High-resolution Prestack Kirchhoff Depth Migration.

Piper, J. D. A. (1994). Brown G. C., & Mussett A. E., 1993. The Inaccessible Earth. An Integrated View of its Structure and Composition. 2nd ed. xi + 276 pp. London, Glasgow, New York, Tokyo, Melbourne, Madras: Chapman ' Hall. Price £19.95 (paperback). ISBN 0 412 48160 X. *Geological Magazine*, *131*(5), 703–704. https://doi.org/DOI: 10.1017/S001675680001267X

Reynolds, J. (2011). *An Introduction to Applied and Environmental Geophysics*.

Ria Bela, K., & Sianto, P. (2022). PENYELIDIKAN TANAH MENGGUNAKAN METODE UJI SONDIR. *Jurnal Teknik Sipil*, *2*(1).

Sariningtyas, G. C. (2023). Pendugaan kondisi bawah permukaan endapan nikel laterit pada Lapangan "Runi", Konawe Utara berdasarkan analisis data Ground Penetrating Radar (GPR).

Setiyanto, R. A. S., Nurhayati, N., Tjahyaningtijas, R. R. H. P. A., & Rakhmawati, L. (2022). Pengaplikasian Antena Vivaldi Antipodal untuk Ground Penetrating Radar dengan Menggunakan Metode B–Scan. *JURNAL TEKNIK ELEKTRO*, *11*(2), 278–287.

Sjöberg, S., Rambaree, K., & Jojo, B. (2015). Collective empowerment: A comparative study of community work in Mumbai and Stockholm. *International Journal of Social Welfare*, *24*(4), 364–375. https://doi.org/10.1111/ijsw.12137

Thompson, J. (2016). *Ephemeral Hunter-Gatherer Archaeological Sites: Geophysical Research*. Elsevier.

Tronics, A., & Ivan Bahder, dan. (t.t.). *PENGGUNAAN APLIKASI GPR (GROUND PENETRATING RADAR) DENGAN METODE NON-DESTRUCTIVE UNTUK KOLEKTIFITAS DATA KUALITATIF PADA ANALISA SUBSURFACE TANAH EKSTRIM LUNAK*.

Turkandi, T., Sidarto, Agustiyanto, D. A., & Purbo-Hadiwidjojo, M. M. (1992). Peta Geologi Lembar Jakarta dan Kepulauan Seribu, Jawa (Skala 1:100.000). Pusat Penelitian dan Pengembangan Geologi (P3G), Direktorat Geologi dan Sumberdaya Mineral, Bandung.

Van Overmeeren, R. A. (1998). Radar facies of unconsolidated sediments in The Netherlands: A radar stratigraphy interpretation method for hydrogeology. Journal of Applied Geophysics, 40(1–3), 1–18.

Wangsness, R. K. 1979. Electromagnetic Fields. New York: John Wiley & Sons.

Widayanti, T. D., Sutrisno, S., & Anggono, T. (2020). Identifikasi Objek Bawah Permukaan Untuk Fondasi Jalan Tol di Jakarta Menggunakan Metode Ground Penetrating Radar (GPR) Pada Segmen Area Y. *Al-Fiziya: Journal of Materials Science, Geophysics, Instrumentation and Theoretical Physics*, *3*(2), 123–132. https://doi.org/10.15408/fiziya.v3i2.17764

Zhou, Z., Klotzsche, A., Schmäck, J., Vereecken, H., & Van Der Kruk, J. (2021). Improvement of ground-penetrating radar full-waveform inversion images using cone penetration test data. *Geophysics*, *86*(3), H13–H25. https://doi.org/10.1190/geo2020-0283.1