

DAFTAR PUSTAKA

- Andista, M.P. 2018. *Analisis Zona Pembangunan Berisiko Tinggi Terhadap Adanya Amblesan Tanah di Daerah Serpong Menggunakan Metode Elektromagnetik Ground Penetrating Radar (GPR)*. Yogyakarta: Universitas Pembangunan "Veteran" Yogyakarta. Skripsi
- Annan, A.P. 1999. *Practical Processing of GPR Data*. Sensors & Software Inc., Canada.
- Annan, A.P. 2001. *GPR: Trends, History, and Future Developments*. Sensors & Software Inc., Canada.
- Annan, A.P. 2003. *Ground Penetrating Radar: Principles, Procedures & Applications*. Sensors & Software Inc., Canada.
- Baker, P.L. 1991. Response of Ground Penetrating Radar to Bounding Surfaces and Lithofacies Variations in Sand Barrier Sequences. *Exploration Geophysics Journal, Vol 22, Issue 1, Pages 19-22*.
- Berlian, A. 2014. *Rancang Bangun Alat Pengembang Pipa Tembaga dengan Diameter 7/8", 1", 1 1/4", 1 1/2", 1 1/8", 1 3/8", 1 5/8" (Biaya Produksi)*. Laporan Akhir DIII Jurusan Teknik Mesin Politeknik Negeri Sriwijaya.
- Bigman, Daniel P. 2018. *GPR Basics: A Handbook for Ground Penetrating Radar Users First Edition*. Bigman Geophysical, Georgia, USA.
- Billinger, Michael S. 2009. Utilizing Ground Penetrating Radar for The Location of a Potential Human Burial Under Concrete. Kanada: *Forensic Science Jurnal Vol 42 No.3 pp 200-209*
- Budiono, Kris. 2013. The Characteristic of Coastal Subsurface Quaternary Sediment Based on Ground Probing Radar (GPR) Interpretation and Core Drilling Result of Anyer Coast, Banten Province. *Bulletin of the Marine Geology, Vol. 28, No.2, pp. 83-93*.
- Buttler, Dwain K. 2005. *Near Surface Geophysics*. Society of Exploration Geophysics, USA.
- Bristow, C.S dan Jol, H.M. 2003. *Ground Penetrating Radar in Sediments*. London: The Geological Society.
- 64
- Daniels, D.J. 2004. *Ground Penetrating Radar*. London: IEE Radar Series.
- Davis J.L. dan Annan A.P. 1989. Ground Penetrating radar for High Resolution Mapping of Soil and Rock Stratigraphy. *Geophysical Processing Vol 37 p 531-551*
- Dojack, Lisa. 2012. *Ground Penetrating Radar Theory, Data Collection, Processing and Interpretation: A Guide for Archeologist*.
- Elfarabi, Amien Widodo, dan Firman S. 2017. Pemetaan Bawah Permukaan Pada Daerah Tanggulangin, Sidoarjo Dengan Menggunakan Metode Ground Penetrating Radar (GPR). *Jurnal Geosaintek, 03 /01, 45-50*.
- Elfarabi, Amien Widodo, dan Firman S. 2017. Pengolahan Data Ground Penetrating Radar (GPR) dengan Menggunakan Software MATGPR R-3.5. *Jurnal Teknik ITS, Vol.6, No.1, A-47-A50*.
- Garing, Charlotte. 2011. *Geophysical and Geochemical Characterization of Water-Rock Interactions at the Freshwater/Saltwater interface, case of the Reefal Carbonate Platform of Mallorca, Spain*. Montpellier: Universite Montpellier

II. Thesis

- Gunawan, M.D.S. 2018. *Pemetaan Utilitas Pipa dan Kabel Bawah Tanah di Jalan Sudirman, DKI Jakarta dengan Metode Ground Penetrating Radar (GPR)*. Skripsi Jurusan Teknik Geofisika UPN "Veteran" Yogyakarta. Skripsi
- Hager, Jutta L. *GPR as a Cost Effective Bedrock Mapping Tool For Large Areas*. Hager Geoscience, Inc. Waltham, MA.
- Halimshah, N.N., et al. 2015. Visual Inspection of Water Leakage from Ground Penetrating Radar Radargram. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Vol II, Issue 2W2, Pages 191-198*.
- Hamilton, Warren. 1973. Tectonics of the Indonesia Region. Malaysia: *Geol. Soc. Bulletin 6, pp 3 - 10*.
- Jamil, M, dkk. 2013. Concrete Dielectric Properties Investigation Using Microwave Nondestructive Techniques. *Rilem Materials and Structures 2013 pp 77-88*
- Jaw, S.W. dan Hashim, Mazlan. 2013. Locational Accuracy of Underground Utility Mapping Using Ground Penetrating Radar. Malaysia: *Tunnelling and Underground Space Technology pp 20-30*.
- 65
- Jol, Harry M. 2009. *Ground Penetrating Radar: Theory and Applications*. Elsevier Science: Amsterdam, Belanda.
- Kamal, A.S.M. et al. 2014. Suggestion on Foundation Soil Layer Selection at Prabasi Palli: Constrained From Geological and Geotechnical Engineering Survey. *American Journal of Engineering Research (AJER)*.
- Ludwig, R. dan Gerhards, dkk. 2011. *Electromagnetic Methods in Applied Geophysics*. Institute of Environmental Physic Heidelberg University.
- Lugra, W.I. *Lingkungan Pengendapan Sedimen di Perairan Gresik, Jawa Timur, Berdasarkan Analisis Mikrofauna dari Contoh Pemboran Inti*. Pusat Penelitian dan Pengembangan Geologi Kelautan.
- Maliva, R.G. 2016. *Aquifer Characterization and Properties*. USA: Springer
- Martinez, Alex. *Utility of Ground Penetrating Radar In Near Surface, High-Resolution Imaging Of Lansing-Kansas City (Pennsylvanian) Limestone Reservoir Analogs*. Dep. Of Geology, Idaho State University, Kansas.
- Martodjojo, S. 2003. *Evolusi Cekungan Bogor Jawa Barat*. Tesis Doktor Pasca Sarjana, Institut Teknologi Bandung.
- Neal, Adrian. 2003. Ground Penetrating Radar and Its Use in Sedimentology: Principles, Problems, and Progress. *Earth Science Reviews 66, pp. 261-330*.
- Nissen, Johan., et al. *Ground Penetrating Radar – A Ground Investigation Method Applied to Utility Locating in No-Dig Technologies*. MALA, Swedia.
- Nurwidyanto, dkk. Pengaruh Ukuran Butir Terhadap Porositas dan Permeabilitas pada Batupasir (Studi Kasus: Formasi NGrayong, Kerek, Ledok dan Selorejo). *Berkala Fisika: Vol.9 No.4 Hal 191-195*.
- Reynolds, John M. 2011. *An Introduction to Applied and Environmental Geophysics 2nd Edition*. John Wiley & Sons, Ltd. :Oxford, UK.
- RPJMD Kabupaten Gresik 2016-2021*.
- Sailah, Siti. 2015. *Pemodelan GPR 2D Untuk Lapisan Batuan Dalam Menentukan Potensi Pembentukan Air Asam Tambang (Studi Kasus: Wilayah Tambang*

Banko Barat PT. Bukit Asam Tanjung Enim). Disertasi Doktor. Dept. Ilmu Lingkungan. Universitas Sriwijaya, Palembang.

Salih, Mohammed M. 2017. The Effect of The Different Frequency on Skin Depth of GPR Detection. *Journal of Babylon University*, No. 2, Vol. 25.

66

Standar Nasional Indonesia, *Tata Cara Pemasangan Pipa Transmisi dan Pipa Distribusi Serta Bangunan Pelintas Pipa*, SNI 7511:2011, Badan Standarisasi Nasional.

Suhendar, Dadan. 2005. *Dampak Perubahan Penggunaan Lahan Terhadap Ketersediaan Sumber Daya Air di Kota Tangerang*. Bogor: Institut Pertanian Bogor

Sukardi, dkk. 1992. *Peta Geologi Lembar Surabaya & Sapulu, Jawa*. Pusat Penelitian dan Pengembangan Geologi

Tabarro, P. et al. 2017. A WebGIS to Support GPR 3D data Acquisition: A First Step for the Integration of Underground Utility Networks in 3D City Model. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, Vol 42, Issue 4W7, pp 43-48.

Thitimakorn, Thanop dkk. 2016. Subsurface Void Detection Under the Road Surface Using Ground Penetrating Radar (GPR), a Case Study in the Bangkok Metropolitan Area, Thailand. *International Journal of Geo-Engineering*

Tong, L. 1993. Application of Ground Penetrating radar to Locate Underground Pipes. *TAO*, Vol 4, No. 2, Pages 171-178.

Ulfiana, Emi. 2018. *Kekar (Joint)*. Makalah Program Studi Geofisika Sekolah Tinggi Meteorologi Klimatologi dan Geofisika.

Wahab, Warishah A. 2013. Interpretation of Ground Penetrating Radar (GPR) Image for Detecting and Estimating Buried Pipes and Cables. *Conference Paper, Faculty of Geospatial Technology, Technology MARA University, Malaysia*.

Van Dam, Remke L. 2000. *Identifying Causes of Ground Penetrating Radar Reflections Using Time Domain Reflectometry and Sedimentological Analyses*. Amsterdam, Belanda.

Windsor, C., L. Capineri, dan P. Falorni. 2003. The Classification of Buried Pipes from Radar Scans. *Insight*, Vol. 45, No. 12.