

DAFTAR PUSTAKA

- [1] Kurniasih Miftakhul Jannah, “Antisipasi Bangunan Rubuh, Kontraktor Wajib Pakai Baja Tulangan Beton Ber-SNI,” *Oke Finance*, 2019. [Daring]. Tersedia pada:
<https://economy.okezone.com/read/2019/10/10/320/2115081/antisipasi-bangunan-rubuh-kontraktor-wajib-pakai-baja-tulangan-beton-ber-sni?page=1>.
- [2] M. Isneini, “Kerusakan dan Perkuatan Struktur Beton Bertulang,” *J. Rekayasa*, vol. 13, no. 3, hal. 259–270, 2009.
- [3] T. D. Saputra, S. P. Budio, dan I. Waluyohadi, “Investigation on Void and Crack Depth of Concrete Beam with UPE and UPV,” *J. Mhs. Jur. Tek. Sipil*, vol. 1.1, hal. 412–422, 2018.
- [4] W. I. Dharmawan, D. Oktarina, dan M. Safitri, “Perbandingan Nilai Kuat Tekan Beton Menggunakan Hammer Test dan Compression Testing Machine terhadap Beton Pasca Bakar,” *Media Komun. Tek. Sipil*, vol. 22, no. 1, hal. 35, 2016.
- [5] H. M. Jol, *Ground Penetrating Radar: Theory and Application*, First Edit. United Kingdom: Elsevier Science, 2009.
- [6] Y. N. W. Folin Oktafiani, Sulistyaningsih, “Sistem Ground Penetrating Radar untuk Mendeteksi Benda-benda di Bawah Permukaan Tanah,” *P2 Elektron. dan Telekomun. – LIPI*, hal. 1–5, 2016.
- [7] N. Jufri, Lantu, dan M. M. Altin, “Batubara, Aplikasi Metode Ground Penetrating Radar (GPR) Untuk Identifikasi Seam,” *Tek. Geofis.*, 2015.
- [8] A. Benedetto dan L. Pajewski, *Springer Transactions in Civil and Environmental Engineering Civil Engineering Applications of Ground Penetrating Radar*. Switzerland, 2015.
- [9] D. Daniels, *Ground Penetrating Radar*, Second. The Institution of Electrical Engineers , London, United Kingdom, 2004.
- [10] J. Burki, T. Ali, dan S. Arshad, “Vector network analyzer (VNA) based synthetic aperture radar (SAR) imaging,” *2013 16th Int. Multi Top. Conf. INMIC 2013*, hal. 207–212, 2013.
- [11] C. Warren dan A. Giannopoulos, “gprMax User Guide Release 3.1.5,”

2019. [Daring]. Tersedia pada: <http://docs.gprmax.com>. [Diakses: 25-Nov-2019].
- [12] Y. Wang, “Frequencies of the Ricker wavelet,” *Geophysics*, vol. 80, no. 2, hal. A31–A37, 2015.
 - [13] Y. S. Kandi, R. Ramang, dan R. Cornelis, “Substitusi Agregat Halus Beton Menggunakan Kapur Alam dan Menggunakan Pasir Laut Pada Campuran Beton (Studi Analisis Bahan Kapur Alam dan Pasir Laut Dari Kabupaten Sumba Barat Daya Provinsi Nusa Tenggara Timur),” *J. Tek. Sipil*, vol. 1, no. 4, hal. 74–86, 2012.
 - [14] R. Muhammad, *Struktur Beton Bertulang*. Padang: Institut Teknologi Padang, 2011.
 - [15] H. A. Asroni, *Balok dan Pelat Beton Bertulang*, Edisi Pert., no. 02. Yogyakarta: Graha Ilmu, 2010.
 - [16] E. Bardal, *Corrosion and Protection (Engineering Materials and Processes)*. London: Springer, 2004.
 - [17] A. Aziz, O. Setyawati, R. Rahmadwati, dan A. Bangert, “Model Simulation of Ground Penetrating Radar using GPRMax to Detect Porang Tuber,” *2018 Electr. Power, Electron. Commun. Control. Informatics Semin. EECCIS 2018*, no. m, hal. 136–141, 2018.