

DAFTAR PUSTAKA

- ACI, 2002, 211: *Standard Practice for Selecting Proportion for Normal, Heavyweight and Mass Concrete*, American Concrete Institute, United States.
- ACI, 1995, 318: *Standard Practice for Selecting Proportion for Normal, Heavyweight and Mass Concrete*, American Concrete Institute, United States.
- ASTM, 2019, C150/C150M-19a: *Standard Specification for Portland Cement*, ASTM International, West Conshohocken, www.astm.org.
- ASTM, 2013, C33/C33M-13: *Standard Specification for Concrete Aggregates*, ASTM International, West Conshohocken.
- ASTM, 2004, C94/C94M-04: *Standard Specification for Ready-Mixed Concrete*, ASTM International, West Conshohocken.
- ASTM, 2001, C136-01: *Standard Specification for Sieve Analysis of Fine and Coarse Aggregates*, ASTM International, West Conshohocken.
- ASTM, 2001, C128-01: *Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate*, ASTM International, West Conshohocken.
- ASTM, 2004, C566-97 R04: *Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying*, ASTM International, West Conshohocken.
- ASTM, 2001, C127-01: *Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate*, ASTM International, West Conshohocken.
- ASTM, 2003, C117-03: *Standard Test Method for Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing*, ASTM International, West Conshohocken.
- ASTM, 1998, C142-97: *Standard Test Method for Clay Lumps and Friable Particles in Aggregates*, ASTM International, West Conshohocken.
- ASTM, 2003, C535-03: *Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine*, ASTM International, West Conshohocken.
- ASTM, 2005, C143-05: *Standard Test Method for Slump of Hydraulic-Cement Concrete*, ASTM International, West Conshohocken.
- ASTM, 1999, C403-99: *Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance*, ASTM International, West Conshohocken.
- ASTM, 2002, C192/C192M-02: *Standard Test Practice for Making and Curing Concrete Test Specimens in the Laboratory*, ASTM International, West Conshohocken.

- ASTM, 2002, C597-02: *Standard Test Method for Pulse Velocity Through Concrete*, ASTM International, West Conshohocken.
- Anggraeni, H.S., Susilo, E.E., Wedhanto, S., 2013. Perbandingan Kekuatan Beton Berdasarkan Hasil *Ultrasonic Pulse Velocity Test* dengan Uji Tekan (020M). *Konferensi Nasional Teknik Sipil 7 (KoNTekS 7)*, Universitas Sebelas Maret (UNS), Surakarta, 24-26 Oktober 2013, 9-16.
- Bina Marga, 2018, *Spesifikasi Umum Jalan, Divisi 7*, Direktorat Jenderal Bina Marga, Jakarta.
- Hayati, N., 2017, *Diktat Kuliah Probabilitas dan Statistika*, Penerbit: Program Studi Teknik Elektro Fakultas Teknik UMY: Yogyakarta.
- Kou, S. dan Poon, C., 2015. Effect of the Quality of Parent Concrete on the Properties of High Performance Recycled Aggregate Concrete. *Construction and Building Materials* 77, 501-508.
- Kurda, R., Brito, J., Silvestre, J.D., 2019. Water Absorption and Electrical Resistivity of Concrete with Recycled Concrete Aggregates and Fly Ash. *Cement and Concrete Composites* 95, 169-182.
- Layssi, H., Ghods, P., Alizadeh, A., Salehi, M., 2015. Electrical Resistivity of Concrete. *Concrete International*, 41-46.
- Lee, S., 2019. Effect of Nylon Fiber Addition on the Performance of Recycled Aggregate Concrete. *Applied Sciences*, 9 (767), doi: 10.3390/app9040767.
- Mahure, N.V., Vijn, G.K., Sharma, P., Sivakumar, N., Ratnam, M., 2011. Correlation Between Pulse Velocity and Compressive Strength of Concrete. *International Journal of Earth Sciences and Engineering*, 4 (6), 871-874.
- Marroh, S., 2019. *Efektivitas Pembelajaran Kimia dengan Model Pembelajaran PBI (Problem Based Instruction) Terhadap Hasil Belajar Siswa Kelas X MA NU Banat Kudus Materi Pokok Larutan Elektrolit dan Non Elektrolit*, Skripsi, Institut Agama Negeri Walisongo, Semarang.
- Mulyono, T., 2004, *Teknologi Beton*, Penerbit: ANDI, Yogyakarta.
- Oktaria, T., 2013. *Durabilitas Beton dengan Substitusi Sebagian Semen dengan Abu Sekam Padi*, Tugas Akhir, Universitas Pendidikan Indonesia, Bandung.
- Prayuda, H. dan Pujiyanto, A., 2018. Pengaruh Perawatan (*Curing*) Perendaman Air Laut dan Air Tawar terhadap Kuat Tekan Beton. *Jurnal Ilmiah Teknik Sipil. A Scientific Journal of Civil Engineering*, 22 (2), 130-139.

- Putra, Y. S. dan Lapanporo, B.P., 2014. Identifikasi Keretakan Beton Menggunakan Metode Geolistrik Resistivitas. *Prisma Fisika*, 2 (3), 92-99.
- Qu, Q.T., Wang, B., Yang, L.C., Shi, Y., Tian, S., Wu, Y.P., 2008. Study on Electrochemical Performance of Activated Carbon in Aqueous Li_2SO_4 , Na_2SO_4 and K_2SO_4 Electrolytes. *Electrochemistry Communications* 10, 1652-1655.
- Real, S., Bogas, J.A., Pontes, J., 2015. Chloride Migration in Structural Lightweight Aggregate Concrete Produced with Different Binders. *Construction and Building Materials* 98, 425-436.
- Saputra, R.D. dan Hepiyanto, R., 2017. Pengaruh Air PDAM, Laut, Comberan pada Proses Curing terhadap Kuat Tekan Beton f_c 14,53 MPa. *Jurnal CIVILLA*, 2 (2), 89-94.
- Setiawan, H., 2017. *Perencanaan Beton Mutu Tinggi untuk Perkerasan Kaku (Rigid Pavement) dengan Bahan Tambah Plastocrete RT 06 dan Sikament NN variasi 0%, 0,5%, dan 1%*, Tugas Akhir, Universitas Muhammadiyah Yogyakarta, Yogyakarta.
- Patel, H., Jain, Piyush., Engineer, Kaizad., Kajalwala, M.V.M., 2017. The Experimental Investigation of Durability Test on Concrete Cubes. *International Journal of Advance Engineering and Research Development*, 4 (5), 855-861.
- Simanjuntak, R., 2016. *Pengaruh Konsentrasi Alkali terhadap Penetrasi Ion Chlorida pada Beton Geopolimer*, Tugas Akhir, Institut Teknologi Sepuluh Nopember, Surabaya.
- Siswoyo, R.D., Ndun, S., Wayan, A.R.L., 2016. Kajian Koefisien Harga Satuan Pekerjaan Beton K350 dan K400 Sesuai Karakteristik dengan Menggunakan Material Batu, Pasir Ex Takari dan Portland Cement (PC) Ex Kupang. *JUTEKS*, 1 (2), 57-67.
- Widodo, A. N., 2019. *Optimasi Rigid Pavement dengan Admixture terhadap Lingkungan Basa dengan Beban Statis*, Tugas Akhir, Universitas Muhammadiyah Yogyakarta, Yogyakarta.
- Yemima, L., Muhammad, Z., Abd. Hayat, K., 2018. *Penentuan Kapasitansi Spesifik Karbon Aktif Tempurung Kemiri (Aleurites Moluccana) Menggunakan Elektrolit H_2SO_4 , NaOH , Dan Na_2SO_4* , Tugas Akhir, Universitas Hasanuddin, Makassar.
- Yusnita, M., 2010, *Asam, Basa dan Garam di Lingkungan Kita*, Penerbit: Sindu Press, Semarang.