

DAFTAR PUSTAKA

- ACI Committee 211, 1993. ACI 211.4R: *Guide for Selecting Proportion for High Strength Concrete with Portland Cement and Fly Ash*. International Concrete Abstracts Portal, Volume 90, pp. 272–283
- ACI Committee 209, ACI 209R-92, 1997, *Prediction of Creep, Shrinkage, Temperature Effects in Concrete Structures*,
- ACI Committee E-701, 2007, *Aggregates for Concrete*, ACI Education Bulletin E1-07
- ACI Committee 209, ACI 209.2 R-08, 2008, *Guide for Modeling and Calculating Shrinkage and Creep in Hardened Concrete*,
- Al-Ameeri, A.S.A., Al-Baghdadi, H.M, 2012, *Using Different Types Of Fine Aggregate To Produce High Strength Concrete*, International Journal of Arts & Sciences,
- Al-Neshawy, F., Sistonen, E., 2015., *Durability of Concrete*, Lecture no.22. http://www.sginstitute.in/Downloads/Civil_Downloads/LectureNo_21.pdf
- Andrews-Phaedonos, F, 2008, *Test Methods for the Assessment of Durability of Concrete*, 23rd ARRB Conference – Research Partnering with Practitioners, Adelaide Australia, 2008
- ASTM C512/C512M-10, 2011, *Standard test method for creep of concrete in compression.* , Farmington Hills, MI, 1–5.
- ASTM C33 – 03, 2003, *Standard Specification for Concrete Aggregates*
- ASTM C157/C157M-08, *Standard Test Method for Length Change of Hardened Hydraulic-Cement Mortar and Concrete*
- ASTM C 1403 – 05, 2005, *Standard test method for rate of water absorption of masonry mortars.*
- Bažant, Z .P., Baweja, S., 2001, *Creep and Shrinkage Prediction Model for Analysis and Design of Concrete Structures: Model B3* ; Adam Neville Symposium: Creep and Shrinkage—Structural Design Effects, ACI SP– 194, A.Al-Manaseer ,ed., Am. Concrete Institute, Farmington Hills, Michigan, 2000, 1–83 (see also www.fsv.cvut.cz/kristek, described in ACI Concrete International ACI 23, Jan.2001, 38–39)
- Bažant, Z .P., Hubler, M. H., Yu, Q., 2011, “*Pervasiveness of Excessive Segmental Bridge Deflections: A Wake-Up Call for Creep*,” ACI Structural Journal, V. 108, No. 6, Nov.-Dec. 2011, pp. 766-774.
- Bin Lei., Wengui Li., Zhaohang Li., George Wang., Zhihui Sun, 2018, *Effect of Cyclic Loading Deterioration on Concrete Durability: Water Absorption, Freeze-Thaw, and Carbonation*, Journal of Materials in Civil Engineering, © ASCE, ISSN 0899-1561, 30(9): 04018220
- BSI., 2003., *Depth of penetration of water under pressure*. In BS EN 12390-8:2000 (Issue August). British Standards Institution.
- Brooks, J.J., Megat Johari, M.A., 2001, *Effect of metakaolin on creep and shrinkage of concrete*, Cement and Concrete Composites 23 (2001) 495-502
- Bungey,J.H., Millard, S.G., 1996., *Testing of Concrete in Structures*, Third Edition, Blackie Academic & Professional, an imprint of Chapman & Hall, Wester Cleddens Road, Bishopbriggs, Glasgow G64 2NZ1
- Chia, Kok-Seng., Liu, Xuemei., Liew, Jat-Yuen Richard., Zhang, Min-Hong., 2014, *Experimental study on creep and shrinkage of high-performance*

- ultralightweight cement composite of 60 MPa.* Structural Engineering and Mechanics, 50(5), pp. 635-652.
- Dave, N., Misra, A. K., Srivastava, A., Sharma, A. K., 2018, *Green Quaternary Concrete Composites : Characterization and Evaluation of the Mechanical Properties*, Structural Concrete, Jurnal Of The Fib, Volume 19, October 2018, ISSN 1464-4177
- DIN., 1991., *Testing of hardened concrete*. In DIN 1048 Part 5 (Issue June). International Organization for Standardization (ISO)
- DJBM, 2011, Perencanaan Struktur Beton Pratekan untuk Jembatan, Manual, Konstruksi dan Bangunan
- Estabragh, A.R., Khatibi, M., Javadi, A.A., 2016, *Effect of Cement on Treatment of a Clay Soil Contaminated with Glycerol*, Journal of Materials in Civil Engineering, 2016, 28(4): 04015157
- Fam, M.A., Santamarina, J.C., 1996, *Study Of Clay-Cement Slurries With Mechanical And Electromagnetic Waves*, Associate Member, ASCE Journal of Geotechnical Engineering, 1996, 122(5): 365-373
- Folic, R, 2009, *Durability Design Of Concrete Structures - Part 1:Analysis Fundamentals*, Architecture and Civil Engineering Vol. 7, No 1, pp. 1 - 18
- Folic, R., Zenunovic, R., 2010, *Durability Design Of Concrete Structures - Part 2: Modelling And Structural Assessment*, Architecture and Civil Engineering Vol. 8, No 1, pp. 45 - 66
- Ganjian, E., Khorami, M., Maghsoudi, A. A., 2009, *Scrap-tyre-rubber replacement for aggregate and filler in concrete*, Constr. Build. Mater., 23(5), 1828–1836.
- Gedam, B.A.,Bhandari, N.M., Upadhyay, A., 2016. *Influence of Supplementary Cementitious Materials on Shrinkage, Creep, and Durability of High-Performance Concrete*, J. Mater. Civ. Eng., 2016, 28(4): 04015173
- Gjorv, O.E., 1983, *Chemical processes related to concrete*, Proceedings, CEB – RILEM International Workshop on Durability of Concrete Structures, Copenhagen, 341 – 4
- Google Earth, Letak geografis Papua bagian selatan
- Gupta, R.C., Mehra, P., Thomas, B.S., 2017, *Utilization of Copper Tailing in Developing Sustainable and Durable Concrete*, Journal of Materials in Civil Engineering, © ASCE, ISSN 0899-1561, 29(5): 04016274
- He, Shiqin., Zhu, Zhongfeng., Miao Lv., Wang, Hui., 2018, *Experimental study on the creep behaviour of rock-filled concrete and self-compacting concrete*, Construction and Building Materials 186 (2018) 53 – 61
- He, Zhi-hai., Pei-min Zhan., Shi-gui Du., Bao-ju Liu., Wei-bin Yuan., 2019, *Creep behavior of concrete containing glass powder*, Composites Part B 166 (2019) 13 – 20
- Huwae, D. D. M., Parera, L. R., Alpius., Tanijaya, J., 2017, *The use of natural sand from Lampusatu beach, Kabupaten Merauke, Papua for mixed asphalt concrete*. IOP Conference Series: Materials Science and Engineering, 204(1). <https://doi.org/10.1088/1757-899X/204/1/012022>
- Ingles, O.G., Metcalf, J.B., 1972, *Soil Stabilization Principles and Practice*. Butterworths, Sydney- Melbourne-Brisbane. Australia.
- Irfan-ul-Hassan, M., Markus Königsberger., Roland Reihnsner., Christian Hellmich., Bernhard Pichler., 2017, *How Water-Aggregate Interactions Affect Concrete Creep: Multiscale Analysis*, J. Nanomech. Micromech., 2017, 7(4): 04017019

- Juliea, R.S., Aji, P., Iranata, D., 2006, Study alternatif perencanaan alat uji rangak pada beton berdasarkan ASTM C512-02
- Khalawi,G.R., 2012, Studi susut beton berkinerja tinggi tanpa menggunakan fly ash pada arah vertikal, Skripsi, Fakultas Teknik Universitas Indonesia
- Lambe William T., 1962. *Soil Stabilization, Foundation Engineering.* G.A. Leonard. McGrawHill. New York
- Lanh Si Ho., Kenichiro Nakarai., Myriam Duc., Alain Le Kouby., Abdelhak Maachi., Takashi Sasaki., 2018, *Analysis of strength development in cement-treated soils under different curing conditions through microstructural and chemical investigations*, Construction and Building Materials 166 (2018) 634–646
- Li, Z.J., 2011, *Advanced Concrete Technology*, John Wiley & Sons, Hoboken, 2011
- Liu, M., Xiao, H., Liu, R., Liu, J., 2018, *Dispersion Characteristics of Various contents of Nano-TiO₂ and its effect on the properties of cement-base composite*, Structural Concrete, Jurnal Of The Fib, Volume 19, October 2018, ISSN 1464-4177.
- Lorenzo, G.A., Bergado, D.T., 2004, *Fundamental Parameters of Cement-Admixed Clay—New Approach*, Journal of Geotechnical and Geoenvironmental Engineering., 2004, 130(10): 1042-1050
- Mehta, P.K., Monteiro, P.J.M., 2006, *Concrete: Microstructure, Properties and Materials*, 3rd ed. McGraw-Hill, New York, 2006.
- Mengue, E., Mroueh, H., Lancelot, L., Eko, R.M., 2017, *Mechanical Improvement of a Fine-Grained Lateritic Soil Treated with Cement for Use in Road Construction*, Journal of Materials in Civil Engineering, 2017, 29(11): 04017206
- Nawy, E.G., 2008, *Concrete Construction*, Engeneering Handbook, Taylor and Francis Group, LLC
- Nawy, E.G., 2009, *Prestressed Concrete A Fundamental Approach*, Prentice Hall, Pearson
- Neville, A.M., 2011, *Properties of Concrete*, fifth edition, Pearson Education Limited.
- Niken, C., Tjahjono, E., Supartono, F., 2017, *Long Term Deformation of Beams and Columns of High Performance Concrete in Humid Tropical Weather*, International Journal of Technology (2017) 5 : 811-819, ISSN 2086-9614@IJTech 2017
- Niken, C., Tjahjono, E., Supartono, F., 2013., *Long Term Shrinkage Empirical Model of High Performance Concrete*, Civil and Environmental Research, ISSN 2222-1719 (Paper), ISSN 2222-2863 (Online), Vol.3. No.2, 2013
- Oymael, S., 2009, *Examination of creep and shrinkage behavior of concrete with oil shale ash substituted cements*, Oil Shale, 2009, Vol. 26, No.1, pp. 19 – 27
- PBI., 1971., Peraturan Beton Bertulang Indonesia, 1971, N.I.-2, DJCK, Departemen Pekerjaan Umum dan Tenaga Listrik
- Pereira, V,M., Camarini, G., 2011, *Method for Evaluation of Concrete Permeability*, XII DBMC, Porto, Portugal, 2011,
- Priyo Suroso., Lawalenna Samang., Wihardi Tjaronge., Muhammad Ramli., 2016, Pengaruh Reaksi Semen Pada Peningkatan Kekuatan Soil Cement, Seminar Nasional Geoteknik 2016 Hatti Yogyakarta, Perkembangan Ilmu dan Teknologi Bidang Geoteknik pada Pembangunan yang Berwawasan Lingkungan
- Ruiperez, C.M., Rodriguez, A., Juanco, C., Fiol, F., Calderon, V., 2018, *Durability of Lightweight Concrete Made Concurrently With Waste Aggregates and Expanded*

- Clay, Structural Concrete, Jurnal Of The Fib, Volume 19, October 2018, ISSN 1464-4177*
- Saha, A. K., Sarker, P. K., 2018, *Potential Alkali Silica Reaction Expantion Mitigation Of Ferronickel Slag Aggregate By Fly Ash, Structural Concrete, Jurnal Of The Fib, Volume 19, October 2018, ISSN 1464-4177*
- Sedaghat, A., Natallia Shanahan, N., Zayed, A., 2014, *Predicting One-Day, Three-Day, and Seven-Day Heat of Hydration of Portland Cement, Journal of Materials in Civil Engineering, © ASCE, ISSN 0899-1561/04014257(12)*
- Silva, D., Gameiro, F., Brito, J.D., 2014, *Mechanical Properties of Structural Concrete Containing Fine Aggregates from Waste Generated by the Marble Quarrying Industry, Journal of Materials in Civil Engineering, 2014, 26(6): 04014008.*
- Slaiai, K., 2017, *Testing Methods for the Assessment of Concrete Durability*
- SNI S-04-1989-F, Spesifikasi bahan bangunan bagian A, Bahan bangunan bukan logam, Badan Standardisasi Nasional
- SNI 03-2914-1992, 1992, Spesifikasi beton bertulang kedap air, Badan Standardisasi Nasional
- SNI 03-2834-2002, 2002, Tata cara pembuatan rencana campuran beton normal, Badan Standardisasi Nasional.
- SNI 03-6825-2002, Metode pengujian kekuatan tekan mortar semen Portland untuk pekerjaan sipil, Badan Standardisasi Nasional
- SNI 03-6861.1-2002, , Spesifikasi bahan bangunan bagian A, Bahan bangunan bukan logam, Badan Standardisasi Nasional
- SNI T-12-2004, 2004, Perencanaan struktur beton untuk jembatan, Badan Standardisasi Nasional.
- SNI 15 – 2049 – 2004, Semen Portland, Badan Standardisasi Nasional
- SNI 1974 : 2011, Cara uji kuat tekan beton dengan benda uji silinder, Badan Standardisasi Nasional
- SNI 7656:2012, 2012, Tata cara pemilihan campuran untuk beton normal, beton berat dan beton massa, Badan Standardisasi Nasional.
- SNI 4811 : 2016 (ASTM C512 /C512M-10), 2016, Metode uji rangak untuk beton tertekan, Badan Standardisasi Nasional
- SNI-2847-2019, 2019, Tata cara perhitungan struktur beton untuk bangunan gedung, Badan Standardisasi Nasional
- Soongswang, P., Tia, M., Bloomquist, D.G., Meletiou, C., Sessions, L.M., 1988, *Efficient Test Setup for Determining the Water- permeability of Concrete, Transportation Research Record 1204*
- Soroka, I., 1979, *Portland Cement Paste and Concrete*, first published by the Macmillan Press LTD
- Stewart, J.G., Norvell, J.K., Juenger, M.C.G., Fowler, D.W., 2007, *Influence of Microfine Aggregate Characteristics on Concrete Performance, Journal of Materials in Civil Engineering, 2007, 19(11): 957-964*
- Sugiarto, H., Tjong, W.F., Surya, A., Wibowo, K., 2004, Rancangan Bangun Alat Uji Permeabilitas Beton, Civil Engineering Dimension, Vol. 6, No. 2, 94–100, September 2004, ISSN 1410-9530
- Tang, W.C., Cui, H.Z., Wu, M., 2014, *Creep and creep recovery properties of polystyrene aggregate concrete, Construction and Building Materials 51 (2014) 338 – 343*

- Tay, J.H., Yip, W.K., Show, K.Y., 1991, *Clay-Blended Sludge As Lightweight Aggregate Concrete Material*, Journal of Environmental Engineering, 1991, 117(6): 834-844
- Tjokrodimuljo, K., 2007, Teknologi Beton , Edisi Pertama, Biro Penerbit, Teknik Sipil dan Lingkungan Universitas Gadjah Mada.
- Umam, M.M., Sulistyowati, R.A., 2021, Studi Kelecanan dan Kuat Tekan Beton sebagai Fungsi Penambahan Superplasticizer , FAS dan Respon Waktu, Tugas Akhir, Departemen Teknik Sipil Fakultas Teknik Universitas Diponegoro
- Wahyudi, L., Rahim S.A., 1999, Struktur Beton Bertulang Standar Baru SNI T- 15 – 1991 – 03 , PT Gramedia Pustaka Utama, Jakarta.
- Wahyudi, P., 2005, Pengaruh Perbandingan Semen Dan Pasir Terhadap Sifat-Sifat Mortar Dengan Pasir Agak Halus, Tugas Akhir, Jurusan Teknik Sipil Fakultas Teknik Universitas Gadjah Mada, Yogyakarta.
- Wang, C.K., Salmon, C.G., 1985, *Reinforced Concrete Design* , Four Edition, Combridge, Philadelphia, San Fransisco.
- Wang, Y., Jin, Z., Liu, S., Yang, L., 2013, *Physical filling effect of aggregate micro fines in cement concrete*, Construction and Building Materials 41 (2013) 812–814
- Yuan, Y., Chi, Y., 2011, *Permeability Test Method of Concrete Member under Uniaxial Tension Stress*, Advanced Materials Research Vols. 295-297 (2011) pp 726-729 (2011) Trans Tech Publications, Switzerland
- Zhang, G., Song, J., Yang, J., Liu, X., 2006, *Performance of mortar and concrete made with a fine aggregate of desert sand*, Building and Environment 41 (2006) 1478–1481