

DAFTAR PUSTAKA

- Adam, J.M. *et al.* (2007) 'Behaviour of axially loaded RC columns strengthened by steel angles and strips', *Steel and Composite Structures*, 7(5), pp. 405–419. Available at: <https://doi.org/10.12989/scs.2007.7.5.405>.
- Agus Setiawan (2008) *Perencanaan Struktur Baja Dengan Metode LRFD*, Penerbit Erlangga.
- Aminulai, H.O. *et al.* (2023) 'Nonlinear behaviour of corrosion damaged low-strength short reinforced concrete columns under compressive axial cyclic loading', *Engineering Structures*, 289(January), p. 116245. Available at: <https://doi.org/10.1016/j.engstruct.2023.116245>.
- Ananda, R. (2009) *Analisis Lentur Balok Beton Bertulang Pascabakar yang diperkuat dengan Carbon Fiber Strips (CFS) Menggunakan Metode Elemen Hingga Non Linier*. Universitas Gadjah Mada.
- Antonius (2021) *Perilaku Dasar Dan Desain Beton Bertulang Berdasarkan SNI-2847-2019*, Unissula Press.
- Bayzoni, Irianti, L. and Chania, P.V. (2016) 'Evaluasi Perancangan Balok Beton Bertulang Dengan Menggunakan Metode Elemen Hingga', 20, pp. 1–16. Available at: <http://ft-sipil.unila.ac.id/ejournals/index.php/jrekayasa/article/view/242/odt>.
- Červenka Consulting (2024) *ATENA*, Červenka Consulting. Available at: <https://www.cervenka.cz/products/atena/>.
- Červenka, V., Jendele, L. and Červenka, J. (2021) *ATENA Program Documentation Part 1 : Theory*, Červenka Consulting. Červenka Consulting.
- Dolu, A. and Hasan, H. (2010) 'Metode Elemen Hingga dengan Program Matlab dan Aplikasi SAP2000 untuk Analisis Struktur Cangkang', *Jurnal SMARTek*, 8(2), pp. 153–168.
- Dunne, P.C. (1983) *Constitutive equations for engineering materials, Computer Methods in Applied Mechanics and Engineering*. New York: John Wiley & Sons. Available at: [https://doi.org/10.1016/0045-7825\(83\)90132-9](https://doi.org/10.1016/0045-7825(83)90132-9).
- Fauzan, Kurniawan, R. and Al Jauhari, Z. (2018) 'Finite element analysis of EWECs columns with varying shear span ratio', *International Journal of GEOMATE*, 14(43), pp. 1–7. Available at: <https://doi.org/10.21660/2018.43.3530>.
- Gere and Timoshenko (1997) *Mekanika Bahan, Terjemahan Bambang Suryoatmono (IV)*. Penerbit Erlangga.
- Gonilha, J.A. and Martins, D. (2022) 'Numerical simulation of the damage progression of pultruded GFRP beam-to-column connections under monotonic and cyclic loads', *Composite Structures*, 300(February). Available at: <https://doi.org/10.1016/j.compstruct.2022.116180>.
- Goodno, B.J. and Gere, J.M. (2016) *Mechanics of Materials*. 9th edn, *Mechanics of Materials Ninth Edition*. 9th edn. Cengage Learning. Available at: www.wileyplus.com.
- Hassan, G.B. *et al.* (2023) 'Long-term exposure of RC columns immersed in seawater or crude oil confined with CFRP fabrics under monotonic or cyclic loading', *Case Studies in Construction Materials*, 18(December 2022), p. e01747. Available at: <https://doi.org/10.1016/j.cscm.2022.e01747>.
- Hernadi, A., Sahara, R. and Dewi, S.U. (2021) 'Perbandingan Kekuatan Kolom Berdasarkan SNI 2847:2013 dan SNI 2847:2019', *Borneo Engineering : Jurnal Teknik Sipil*, 5(3), pp. 237–247. Available at: <https://doi.org/10.35334/be.v5i3.1661>.
- Huang, Q., Guo, Z. and Kuang, J.S. (2016) 'Designing infilled reinforced concrete

- frames with the “strong frame-weak infill” principle’, *Engineering Structures*, 123, pp. 341–353. Available at: <https://doi.org/10.1016/j.engstruct.2016.05.024>.
- Jerath, S. (2021) *Structural Stability Theory and Practice, Structural Stability Theory and Practice*. Wiley. Available at: <https://doi.org/10.1002/9781119694489>.
- Juliafad, E. (2009) *Analisis Geser Balok Beton Bertulang Pascabakar yang diperkuat dengan Carbon Fiber Strip Menggunakan Metode Elemen Hingga Nonlinier*. Universitas Gadjah Mada.
- Juliafad, E. (2019) *Struktur Rangka Beton Bertulang, Pracetak dan Prategang (Konsep Dasar Perencanaan dan Aplikasi)*. CV IRDH.
- Juliafad, E. (2021) *Metode Elemen Hingga Non-Linear Studi Kasus: Beton Bertulang Pasca-Bakar dengan Perkuatan Caron Fiber Strip*. Padang: UNP Press.
- Juliafad, E. and Melinda, A.P. (2019) ‘Assessment of Reinforced Concrete Building for Disaster Reduction Strategy in Padang City, West Sumatra, Indonesia’, *MATEC Web of Conferences*, 258, p. 03007. Available at: <https://doi.org/10.1051/mateconf/201925803007>.
- Khedmatgozar Dolati, S.S., Matamoros, A. and Ghanoum, W. (2024) ‘Guidelines for Nonlinear Finite Element Analysis of Reinforced Concrete Columns with Various Types of Degradation Subjected to Seismic Loading’, *Infrastructures*, 9(12). Available at: <https://doi.org/10.3390/infrastructures9120227>.
- Khoeri, H. (2020) ‘Pemilihan Metode Perbaikan Dan Perkuatan Struktur Akibat Gempa (Studi Kasus Pada Bank Sulteng Palu)’, *Konstruksia*, 12(1), pp. 93–104.
- Kosasih, P.B. (2012) *Teori dan Aplikasi Metode Elemen Hingga*. Penerbit ANDI Yogyakarta.
- Lee, J.H. et al. (2015) ‘Seismic performance of circular hollow RC bridge columns’, *KSCE Journal of Civil Engineering*, 19(5), pp. 1456–1467. Available at: <https://doi.org/10.1007/s12205-014-1173-z>.
- Leonhard, E. (1744) *Methodus Inveniendi Lineas Curvas Maximi Minimive Proprietate Gaudentes*. Leonhardi Euleri Opera Omnia Ser. I.
- Limbongan, S., Dapas, S.O. and Wallah, S.E. (2016) ‘Analisis Struktur Beton Bertulang Kolom Pipih pada Gedung Bertingkat’, *Jurnal Sipil Statik*, 4(8), pp. 499–508.
- Liu, Y. (2003) *Introduction to the Finite Element Method*. University of Cincinnati.
- Lougan, D.L. (2007) *A First Course in The Finite Element Method, Finite Elements in Analysis and Design*. Thomson.
- Ngo, D.Q. et al. (2020) ‘Experimental and numerical evaluation of concentrically loaded RC columns strengthening by textile reinforced concrete jacketing’, *Civil Engineering Journal (Iran)*, 6(8), pp. 1428–1442. Available at: <https://doi.org/10.28991/cej-2020-03091558>.
- Nuraga, K. et al. (2021) ‘Analisis Daktilitas Struktur Gedung Rangka Beton Bertulang Dengan Metode Analisis Pushover (Studi: Gedung Tugu Reasuransi Indonesia Jakarta)’, *Jurnal Ilmiah TELSINAS*, 4(2), pp. 34–41. Available at: <https://doi.org/https://doi.org/10.38043/telsinas.v4i2.3342>.
- P.Beer, F., Jr., E.R.J. and Dewolf, J.T. (2006) *Mechanics of Materials*. 4th edn. McGraw-Hill.
- Park (1989) ‘Structural Assemblages From Laboratory Testing’, *NZSEE – New Zealand Society for Earthquake Engineering*, 22(3), pp. 155–166.
- Pryl, D. et al. (2015) ‘ATENA Program Documentation Part 8 User ’ s Manual for ATENA-GiD Interface’, (June).
- Rochman, T. et al. (2020) ‘The effect of columns configuration on high-rise building using performance-based design’, *Civil Engineering and*

- Architecture*, 8(6), pp. 1144–1166. Available at: <https://doi.org/10.13189/cea.2020.080601>.
- Safi, F. (2017) *Kajian Perilaku Geser Kolom Beton Bertulang Mutu Tinggi Menggunakan Metode Finite Element*. Institut Teknologi Sepuluh Nopember. Available at: https://repository.its.ac.id/43796/%0Ahttps://repository.its.ac.id/43796/1/3115202007-MASTER_THESIS.pdf.
- Safitri, E. et al. (2013) 'Efek Berbagai Jarak External Confinement Terhadap Deformability Beton', *Konferensi Nasional Teknik Sipil 7 (KoNTekS 7)*, 7(KoNTekS 7), pp. 24–26.
- Sarhan, O. and Raslan, M. (2020) 'Study of the elastic stiffness factor of steel structures with different lateral load resisting systems', *International Journal of Advanced Engineering, Sciences and Applications*, 1(2), pp. 6–11. Available at: <https://doi.org/10.47346/ijaesa.v1i2.26>.
- Sirimontree, S. et al. (2021) 'Experimental investigations on strengthened reinforced concrete columns under monotonic axial loading', *International Journal of Engineering, Transactions B: Applications*, 34(5), pp. 1124–1131. Available at: <https://doi.org/10.5829/ije.2021.34.05b.06>.
- Sirimontree, S. et al. (2021) 'Experimental Investigations on Strengthened Reinforced Concrete Columns under Monotonic Axial Loading', *International Journal of Engineering*, 34(5), pp. 1124–1131. Available at: <https://doi.org/10.5829/ije.2021.34.05b.06>.
- SNI 2847-2019 (2019) *Persyaratan Beton Struktural untuk Bangunan Gedung, Standar Nasional Indonesia*. Badan Standardisasi Nasional.
- Tejchman (2013) 'Concrete and reinforced concrete behaviour', *Springer Series in Geomechanics and Geoengineering*, 5, pp. 5–47. Available at: https://doi.org/10.1007/978-3-642-28463-2_2.
- Thamrin, R., Zaidir and Wahyuni, A. (2023) 'Shear capacity of reinforced concrete beams strengthened with web bonded steel bars or steel plates', *Results in Engineering*, 17(December 2022), p. 100953. Available at: <https://doi.org/10.1016/j.rineng.2023.100953>.
- Thamrin, R., Zaidir, Z. and Iwanda, D. (2022) 'Ductility Estimation for Flexural Concrete Beams Longitudinally Reinforced with Hybrid FRP–Steel Bars', *Polymers*, 14(5). Available at: <https://doi.org/10.3390/polym14051017>.
- Yuhazri, M.Y., Zulfikar, A.J. and Ginting, A. (2020) 'Fiber Reinforced Polymer Composite as a Strengthening of Concrete Structures: A Review', *IOP Conference Series: Materials Science and Engineering*, 1003(1). Available at: <https://doi.org/10.1088/1757-899X/1003/1/012135>.
- Zaiter, A. and Lau, T.L. (2021) 'Experimental study of jacket height and reinforcement effects on seismic retrofitting of concrete columns', *Structures*, 31(September 2020), pp. 1084–1095. Available at: <https://doi.org/10.1016/j.istruc.2021.02.020>.