

DAFTAR PUSTAKA

- Alejano, Leandro R. & Bobet, Antonio. 2012. "Drucker-Prager Criterion". *Rock Mechanics and Rock Engineering*. Springer, 45, pp. 995-999. <https://doi.org/10.1007/s00603-012-0278-2>.
- Alejano, Leandro R. & Bobet, Antonio. 2015. "Drucker-Prager Criterion". *The ISRM Suggested Methods for Rock Characterization, Testing and Monitoring: 2007-2014*, Springer-Verlag, pp. 247-252.
- Allen, Phillip A., & Wilson, Christopher D. 2004. "Hydrostatic Stress Effect on the Yield Behavior of Inconel 100". *Journal of the Mechanical Behavior of Materials*, 15(1-2), pp. 27-48. <https://doi.org/10.1515/JMBM.2004.15.1-2.27>.
- American Institute of Steel Construction (AISC). 2016. *ANSI/AISC 360-16 Specification for Structural Steel Buildings*.
- Arifi, Eva & Setyowulan, Desy. 2021. *Perencanaan Struktur Baja (Berdasarkan SNI 1729:2020)*. Cetakan Kedua. Malang: UB Press (Universitas Brawijaya Press).
- Asiyanto. 2012. *Memahami secara Singkat: Struktur Komposit antara Beton dan Baja*. Depok: Penerbit Universitas Indonesia (UI-Press).
- Badan Standardisasi Nasional. 2017. *SNI 2052:2017 Baja Tulangan Beton*. Jakarta.
- Badan Standardisasi Nasional. 2019. *SNI 2847:2019 Persyaratan Beton Struktural untuk Bangunan Gedung dan Penjelasan*. Jakarta.
- Badan Standardisasi Nasional. 2020. *SNI 1727:2020 Beban Desain Minimum dan Kriteria Terkait untuk Bangunan Gedung dan Struktur Lain*. Jakarta.
- Badan Standardisasi Nasional. 2020. *SNI 1729:2020 Spesifikasi untuk Bangunan Gedung Baja Struktural*. Jakarta.
- Besari, Mohamad Sahari. 2021. *Fundamental Optimalisasi dalam Rekayasa Struktur, Pemrograman Matematik dan Metaheuristik*. Cetakan Pertama. Bandung: ITB Press.

- Bhardwaj, Ankit, Matsagar, Vasant, Nagpal, A. K., & Chaudhary, Sandeep. 2020. "Bond Behavior in Flexural Members: Numerical Studies". *International Journal of Steel Structures*, Elsevier, 21, pp. 225-243. <https://doi.org/10.1007/s13296-020-00432-3>.
- Bruneau, Michel, Uang, Chia-Ming, & Sabelli, Rafael. 2011. *Ductile Design of Steel Structures*. Edisi Kedua. The McGraw-hill Companies, Inc.
- Chakrabarty, J. 2006. *Theory of Plasticity*. Edisi Ketiga. Oxford: Elsevier Butterworth-Heinemann.
- Christensen, Richard M. 2013. *The Theory of Materials Failure*. Edisi Pertama. Oxford: Oxford University Press.
- Chung, Kwok Fai & Lawson, Mark. 2012. "Composite Columns". *Steel Designers' Manual*. Buick Davison & Graham W. Owens (Ed.). Edisi Ketujuh. The Steel Construction Institute. West Sussex: Wiley-Blackwell Institute.
- Departemen Pekerjaan Umum. 2002. *SNI 03-1729-2002 Tata Cara Perencanaan Struktur Baja untuk Bangunan Gedung*. Jakarta.
- Dewobroto, Wiryanto. 2009. "Pengaruh Bentuk dan Ukuran Washer (Ring) pada Perilaku Sambungan Baut Mutu Tinggi dengan Pretensioning di Baja Cold-Rolled". Disertasi (Tidak Dipublikasikan). Bandung: Universitas Katolik Parahyangan.
- Dewobroto, Wiryanto. 2016. *Struktur Baja: Perilaku, Analisis & Desain – AISC 2010*. Edisi Kedua. Tangerang: Jurusan Teknik Sipil UPH.
- Dewobroto, Wiryanto. 2017. *Komputer Rekayasa Struktur dengan SAP2000*. Cetakan Kedua. Jakarta: Lumina Press dan Penerbit Dapur Buku.
- Dimopoulos, Christoforos A., Freddi, Fabio, Karavasilis, Theodore L., & Vasdravellis, George. 2020. "Progressive Collapse Resistance of Steel Self-centering MRFs Including the Effects of the Composite Floor". *Engineering Structures*, Elsevier, pp. 1-48. <https://doi.org/10.1016/j.engstruct.2019.109923>.
- Donmez, Ahmet Abdullah. 2020. "Size Effect on the Shear Capacity of Headed Studs". *Advances in Structural Engineering*, Sage Journals, 24(4), pp. 1-12. <https://doi.org/10.1177/1369433220969030>.

- Dowling, Norman E. 2013. *Mechanical Behavior of Materials: Engineering Methods for Deformation, Fracture, and Fatigue*. Edisi Keempat. Harlow: Pearson Education Limited.
- Dunne, Fionn & Petrinic, Nik. 2006. *Introduction to Computational Plasticity*. Cetakan Kedua. New York: Oxford University Press Inc.
- Elnashai, Amr S., & Sarno, Luigi Di. 2015. *Fundamentals of Earthquake Engineering: From Source to Fragility*. Edisi Kedua. Chichester: John Wiley & Sons, Ltd.
- Galambos, Theodore V., Lin, F. J., & Johnston, Bruce G. 1996. *Basic Steel Design with LRFD*. New Jersey: Prentice-Hall, Inc.
- Garrison, Phillip. 2016. *Basic Structures*. Edisi Ketiga. Chichester: John Wiley & Sons, Ltd.
- Geschwindner, Louis F., Liu, Judy, & Carter, Charles J. 2017. *Unified Design of Steel Structures*. Edisi Ketiga.
- Gorenc, Branko E., Tinyou, Ron, & Syam, Arun A. 2012. *Steel Designers' Handbook*. Edisi Kedelapan. Sydney: University of New South Wales (UNSW) Press Ltd.
- Guo, Zhenhai. 2014. *Principles of Reinforced Concrete*. Edisi Pertama. Waltham: Elsevier Inc.
- Halahla, A. M., Tahnat, Y. B. A., Almasri, A. H., & Voyiadjis, G. Z. 2019. "The Effect of Shape Memory Alloys on the Ductility of Exterior Reinforced Concrete Beam-column Joints Using the Damage Plasticity Model". *Engineering Structures*, 200, pp. 1-17. <https://doi.org/10.1016/j.engstruct.2019.109676>.
- Hamburger, Ronald O. & Malley, James O. 2016. NISTGCR 16-917-41 "Seismic Design of Steel Special Moment Frames: A Guide for Practicing Engineers". *NEHRP Seismic Design Technical Brief No. 2*. Gaithersburg: National Institute of Standards and Technology (NIST). <https://doi.org/10.6028/NIST.GCR.16-917-41>.

- Hamburger, R. O., Krawinkler, H., Malley, J. O., & Adan, S. M. 2009. NISTGCR 09-917-3 “Seismic Design of Steel Special Moment Frames: A Guide for Practicing Engineers”. *NEHRP Seismic Design Technical Brief No. 2*. Gaithersburg: NEHRP Consultants Joint Venture. https://tsapps.nist.gov/publication/get_pdf.cfm?pub_id=915466.
- Hardiyatmo, H. C. 2022. *Rekayasa Gempa untuk Analisis Struktur dan Geoteknik*. Yogyakarta: Gadjah Mada University Press.
- Hassoun, M. Nadim & Al-Manaseer, Akhtem. 2015. *Structural Concrete, Theory and Design*. Edisi Keenam. New Jersey: John Wiley & Sons, Inc.
- Hosford, William F. 2009. *Mechanical Behavior of Materials*. Edisi Kedua. New York: Cambridge University Press.
- Hur, Young-Wook. “Important Considerations of Element Types”. midas Structure. 30 Desember 2021. Diakses pada 15 Maret 2023. <https://www.midasstructure.com/blog/en/blog/types-of-elements-important-considerations>.
- Imran, Iswandi & Zulkifli, Ediansjah. 2019. *Perencanaan Dasar Struktur Beton Bertulang*. Cetakan Kedua. Bandung: ITB Press.
- Khandelwal, Kapil dan El-Tawil, Sherif. 2007. “Collapse Behavior of Steel Special Moment Resisting Frame Connections”. *Journal of Structural Engineering*, American Society of Civil Engineers, 133(5), pp. 646-655. [https://doi.org/10.1061/\(ASCE\)0733-9445\(2007\)133:5\(646\)](https://doi.org/10.1061/(ASCE)0733-9445(2007)133:5(646)).
- Koutromanos, Ioannis. 2018. *Fundamentals of Finite Element Analysis: Linear Finite Element Analysis*. Chichester: John Wiley & Sons Ltd.
- Lade, Poul V. 2016. *Triaxial Testing of Soils*. Edisi Pertama. Chichester: John Wiley & Sons, Ltd.
- Lawson, Mark & Wickens, Peter. 2003. “Composite Beams”. *Steel Designers’ Manual*. Buick Davison & Graham W. Owens (Ed.). Edisi Keenam. The Steel Construction Institute. West Sussex: Blackwell Institute.
- Lawson, Mark & Chung, Kwok-Fai. 2012. “Composite Beams”. *Steel Designers’ Manual*. Buick Davison & Graham W. Owens (Ed.). Edisi Ketujuh. The Steel Construction Institute. West Sussex: Wiley-Blackwell Institute.

- Lesmana, Yudha. 2021. *Handbook Analisa dan Desain Struktur Baja berdasarkan SNI 1729-2020*. Edisi Pertama. Cetakan Pertama. Yogyakarta: Nas Media Pustaka.
- Lesmana, Yudha. 2020. *Handbook Desain Struktur Beton Bertulang Berdasarkan SNI 2847:2019*. Edisi Pertama. Cetakan Pertama. Makassar: Nas Media Pustaka.
- Li, Ling, Wang, Wei, Chen, Yiyi, & Lu, Yong. 2013. “Experimental Investigation of Beam-to-tubular Column Momen Connections Under Column Removal Scenario”. *Journal of Constructional Steel Research*, Elsevier, 88, pp. 244—255. <https://doi.org/10.1016/j.jcsr.2013.05.017>.
- Liu, Jing, Ding, Fa-xing, Liu, Xue-mei, Yu, Zhi-wu, Tan, Zhe, & Huang, Jun-wen. 2019. “Flexural Capacity of Steel-Concrete Composite Beams under Hogging Moment”. *Advances in Civil Engineering*, Hindawi, 2019, pp. 1-13. <https://doi.org/10.1155/2019/3453274>.
- Marti, Peter. 2013. *Theory of Structures: Fundamentals Framed Structures Plates and Shells*. Berlin: Wilhelm Ernst & Sohn.
- McCormac, Jack C., & Csernak, Stephen F. 2012. *Structural Steel Design*. Edisi Kelima. New Jersey: Pearson Education, Inc.
- MIDAS. “Analysis and Algorithm”.
- Ministry of Construction of the People’s Republic of China. 2003. *GB 50017-2003 Code for Design of Steel Structures*. Beijing.
- Murty, C. V. R., Goswami, Rupen, Vijayanarayanan, A. R., & Mehta, Vipul V. 2012. *Some Concepts in Earthquake Behaviour of Buildings*. Gujarat State Disaster Management Authority, Government of Gujarat.
- Nawy, Edward G. 2010. *Beton Bertulang, Suatu Pendekatan Dasar*. Cetakan Keempat. Bandung: PT Refika Aditama.
- Nguyen, Huu Thanh & Kim, Seung Eock. 2009. “Finite Element Modelling of Push-out Tests for Large Stud Shear Connectors”. *Journal of Construction Steel Research*, pp. 1-12. <https://doi.org/10.1016/j.jcsr.2009.06.010>.
- Park, R. dan T. Paulay. 1975. *Reinforced Concrete Structures*. Kanada: John Wiley & Sons, Inc.

- Paulay, T., & Priestley, M. J. N. 1992. *Seismic design of reinforced concrete and masonry buildings*. Canada: John Wiley & Sons, Inc.
- Pawirodikromo, W. 2017. *Analisis Dinamik Struktur*. Yogyakarta: Pustaka Pelajar.
- Pawirodikromo, W. 2012. *Seismologi Teknik dan Rekayasa Kegempaan*. Yogyakarta: Pustaka Pelajar.
- Popov, E. P. 1984. *Mekanika Teknik (Versi SI)*. Edisi Kedua. Jakarta: Penerbit Erlangga.
- Ranković, Slobodan, & Drenić, Dragoljub. 2002. "Static Strength of the Shear Connectors in Steel-Concrete Composite Beams: Regulations and Research Analysis". *Facta Universitatis, Series: Architecture and Civil Engineering*, 2(4), pp. 251-259. <https://doi.org/10.2298/FUACE0204251R>.
- Reddy, J. N. 2015. *An Introduction to Nonlinear Finite Element Analysis: With Applications to Heat Transfer, Fluid Mechanics, and Solid Mechanics*. Edisi Kedua. Oxford: Oxford University Press.
- Richards, Cedric W. 1961. *Engineering Materials Science*. London: Chapman & Hall.
- Rittironk, S. & Elnieiri, M. 2008. "Investigating Laminated Bamboo Lumber as an Alternative to Wood Lumber in Residential Construction in the United States". *Modern Bamboo Structures*, Proceedings of First International Conference on Modern Bamboo Structures (ICBS-2007), 28—30 October 2007, Changsha, China, pp. 83-96. Xiao, Yan, Inoue, Masafumi, & Paudel, Shyam K. (Ed.), London: CRC Press.
- Roeder, Charles W., Chmielowski, Robert, & Brown, Colin B. 1999. "Shear Connector Requirements for Embedded Steel Sections". *Journal of Structural Engineering*, American Society of Civil Engineers, 125(2), pp. 142-151. [https://doi.org/10.1061/\(ASCE\)0733-9445\(1999\)125:2\(142\)](https://doi.org/10.1061/(ASCE)0733-9445(1999)125:2(142)).
- Rosler, Joachim, Harders, Harald, & Baker, Martin. 2006. *Mechanical Behaviour of Engineering Materials: Metals, Ceramics, Polymers, and Composites*. Berlin: Springer.
- Schodek, Daniel D. 1998. *Struktur*. Cetakan Ketiga. Bandung: PT Refika Aditama.

- Setiawan, Agus. 2013. *Perencanaan Struktur Baja dengan Metode LRFD (Berdasarkan SNI 03-1729-2002)*. Edisi Kedua. Jakarta: Penerbit Erlangga.
- Setiawan, Agus. 2008. *Perencanaan Struktur Baja dengan Metode LRFD (Berdasarkan SNI 03-1729-2002)*. Edisi Pertama. Jakarta: Penerbit Erlangga.
- Soegiarso, Roesdiman. "Composite Structures". Jakarta: Universitas Tarumanagara.
- Song, Bo & Sanborn, Brett. 2018. "Relationship of Compressive Stress-Strain Response of Engineering Materials Obtained at Constant Engineering and True Strain Rates". *International Journal of Impact Engineering*, Elsevier, 119, pp. 40-44. <https://doi.org/10.1016/j.ijimpeng.2018.05.001>.
- Sun, Jia Cheng. "Basic Finite Element Mesh Explained". MIDAS. 28 Desember 2022. Diakses pada 15 Maret 2023. <https://www.midasoft.com/bridge-library/basic-finite-element-mesh-explained>.
- Sun, Jia Cheng. "Connecting Meshes Using Links". MIDAS. 26 Januari 2022. Diakses pada 15 Maret 2023. <https://www.midasoft.com/bridge-library/connecting-meshes-using-links>.
- Sun, Jia Cheng. "Basic Finite Element Mesh Explained". midas Bridge. 19 Agustus 2021. Diakses pada 15 Maret 2023. <https://www.midasbridge.com/en/blog/1d-2d-3d-element-comparison-in-fem>.
- Tamboli, Akbar R. 2017. *Handbook of Structural Steel Connection Design and Details*. Edisi Ketiga. McGraw-Hill Education.
- Wang, Wei, Fang, Cheng, Qin, Xi, Chen, Yiyi, & Li, Ling. 2016. "Performance of Practical Beam-to-SHS Column Connections Against Progressive Collapse". *Engineering Structures*, Elsevier, 106, pp. 332-347. <https://doi.org/10.1016/j.engstruct.2015.10.040>.
- Wang, Wei, Wang, Junjie, Sun, Xin, & Bao, Yihai. 2017. "Slab Effect of Composite Subassemblies Under a Column Removal Scenario". *Journal of Constructional Steel Research*, Elsevier, 129, pp. 141-155. <https://doi.org/10.1016/j.jcsr.2016.11.008>.

- Wight, James K. *Reinforced Concrete: Mechanics and Design*. 2016. Edisi Ketujuh. Hoboken: Pearson Education, Inc.
- Yang, Demao & Hancock, Gregory J. 2004. "Numerical Simulations of High Strength Steel Lipped-Channel Columns". Research Report No R843, Centre for Advanced Structural Engineering. Sydney: The University of Sydney, Department of Civil Engineering. <https://hdl.handle.net/2123/23935>.
- Young, R. J. & Lovell, P. A. 1991. *Introduction to Polymer*. Edisi Kedua. London: Chapman & Hall.
- Zandonini, Riccardo, Baldassino, Nadia, Freddi, Fabio, & Roverso, Giacomo. 2019. "Steel-concrete Frames Under the Column Loss Scenario: An Experimental Study". *Journal of Constructional Steel Research*, Elsevier, 162, pp. 1-21. <https://doi.org/10.1016/j.jcsr.2019.02.036>.
- <https://youtu.be/AkX6JqIWRqc> The Efficient Engineer "Understanding True Stress and True Strain" 24 Mar 2020 Youtube
- <https://youtu.be/xkbQnBAOFeg> The Efficient Engineer "Understanding Failure Theories (Tresca, von Mises etc...)" 2 Jun 2020 Youtube
- https://youtu.be/_DH3546mSCM The Efficient Engineer "Understanding Stress Transformation and Mohr's Circle" 1 Agu 2019 Youtube
- <https://youtu.be/tuOIM3P7ygA> The Efficient Engineer "Understanding Poisson's Ratio" 11 Apr 2019 Youtube