

DAFTAR PUSTAKA

- Adelli, H., 2001, “*Neural Network in Civil Engineering: 1989-2000*”, Journal, The Ohio State University, USA.
- AISC, 2010, “*Specification for Structural Steel Building (AISC 360-10)*”, Chicago.
- Amayreh, L dan Saka, M.P., 2005, “*Failure Load Prediction Of Castellated Beams Using Artificial Neural Networks*”, Journal, University of Bahrain, Bahrain.
- Apriyatno, H. 2000. *Pengaruh Rasio Tinggi dan Tebal Badan Balok Castella pada Kapasitas Lentur*. Tesis S2 UGM, Yogyakarta
- ASCE, 2010, “*ANSYS Autodyn User’s Manual*”, ANSYS, Inc.
- Baaser. H., 2010, “*Development and Application of the Finite Element Method based on MATLAB*”, Springer, Germany
- Anonim., 2002, “*Tata Cara Perencanaan Struktur Baja Untuk Bangunan Gedung (SNI 03-1729-2002)*”, Departemen Pekerjaan Umum, Jakarta
- Blodgett, W. O., 1982, “*Open-web Expanded Beams and Girders (castelled). Design of Welded Structure*”, The James F. Lincoln Arc Welding Foundation.
- Boyer, J.P., 1964, “*Castellated Beam-new development*”, Engineering J, AISC.
- Demuth, H. & Beale, M., 2001, “*Neural Network Toolbox, For Use with MATLAB*”, The MathWorks.
- Demuth, H & Beale, M., 1997, “*Neural Network Toolbox*”, The Math Works Inc.
- Desiani, A. & Arhami, M., 2006, “*Konsep Kecerdasan Buatan*”, Andi Offset, Yogyakarta.
- Fausett, L., 1994, “*Fundamental of Neural Networks, Architecture, Algorithms, and Applications*”, Prentice Hall, New Jersey.
- Ferhat et al., 2013, “*Ultimate Load Carrying Capacity of Optimally Designed Steel Cellular Beams*”, Akdeniz University, Turkey.
- Hermawan, A., 2006, “*Jaringan Staraf Tiruan, Teori dan Aplikasi*”, Andi, Yogyakarta.
- Kusumadewi, S., 2004, “*Membangun Jaringan Syaraf Tiruan (Menggunakan Matlab & Excel Link)*”, Graha Ilmu, Yoyakarta.

- Liu, G.R. & Quek, S.S., 2002, *“The Finite Element Method”*, CRC Press, London.
- Mase, G.E. & Mase, G.T., 1991, *“Continuum Mechanics For Engineers”*, Butterworth-Heinemann, Oxford.
- Nasution, Amriansyah, 2010, *“Metode Elemen Hingga”*, Penerbit ITB, Bandung.
- Pachpor, P.D, Gupta, L.M., & Deshpande, N.V., 2013, *“Anlysis and Design of Cellular Beam and Its Verification”*, Journal, Nagpur, India.
- Pinem, Mhd Daud, 2013, *“ANSYS Anlisis Sistem Mekanik”*, Wahana Ilmu Kita, Bandung.
- Radic, I. & Markulak, D., 2007, *“Lateral Buckling Of Castellated Beam”*, Technical Gazette.
- Rao, S.S., 2009, *“Engineering Optimization: Theory and Practice”*, John Willey & Sons Inc. Canada.
- Sangga, dkk., *“Studi Eksperimental Balok Baja Castella dengan Variasi Lebar Bukaannya”*, Jurnal, Universitas Hasanuddin.
- Setiawan, A, 2008, *“Perencanaan Struktur Baja dengan Metode LRDF”*, Erlangga, Jakarta.
- Siang, J.J., 2009, *“Jaringan Syaraf Tiruan & Pemrogramannya Menggunakan MATLAB”*, Andi, Yogyakarta.
- Spiegel, Leonard & Limbrunner, George F., 1986, *“Applied Structure Steel Design”*, Prentice Hall-Inc.
- Spiller, W.R., 1985, *“Design Optimization”*, Academic Press, Florida.
- Suharjanto, 2005, *“Optimasi Bentuk dan Ukuran Lubang Cellular Balok Baja Profil I dengan Bukaannya pada Badan pada Balok Sederhana di Daerah Stabilitas Elastis dengan Beban Gravitasi”*, Disertasi, Program Pasca Sarjana Universitas Diponegoro, Semarang.
- Suhendro, Bambang, 2000, *“Metode Elemen Hingga dan Aplikasinya”*, Universitas Gadjah Mada, Yogyakarta.
- URL: <http://westok.com>
- URL: <http://www.macsteel.co.za/cellbeam>
- Widodo, Prabowo Pudja & Handayanto, Rahmadya Trias, 2009, *“Penerapan Soft Computing dengan Matlab”*, Rekayasa Sains, Bandung.