

DAFTAR PUSTAKA

- Al-Thabthawee, H. W. (2022). Experimental investigation of composite steel–concrete beams using symmetrical and asymmetrical castellated beams. *Curved and Layered Structures*.
- Ameer, J. S., Ghadhban, H. N., & Hassan, M. A. (2017). STRUCTURAL BEHAVIOR OF REINFORCED CONCRETE VIERENDEEL TRUSS TO USE IN PRECAST CONSTRUCTION. *Engineering and Sustainable Development*, 131-147.
- Artar, M., & Daloğlu, A. T. (2015). Optimum design of composite steel frames with semi-rigid connections and column bases via genetic algorithm. *Steel and Composite Structures*, 1035-1053.
- Badan Standarisasi Nasional. (2002). *Tata Cara Perancangan Struktur Baja Untuk Bangunan Gedung*. Jakarta: Badan Standarisasi Nasional.
- Badan Standarisasi Nasional. (2019). *Persyaratan beton struktural untuk bangunan gedung dan penjelasan*. Jakarta: Badan Standarisasi Nasional.
- Badan Standarisasi Nasional. (2020). *Spesifikasi untuk bangunan gedung baja struktural*. Jakarta: Badan Standarisasi Nasional.
- Bauer, K. (2021). *Design of castellated steel beams*. Kansas.
- Elliotis, M. C. (2013). A Finite Element Approach for the Elastic-Plastic Behavior of a Steel Pipe Used to Transport Natural Gas. *Power Options for the Eastern Mediterranean* (p. 10). Limassol: Hindawi Publishing Corporation.
- Fares, S. S., Coulson, J., & Dinehart, D. W. (2016). *Castellated and Cellular Beam Design*. AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
- Fares, S. S., Coulson, J., & Dinehart, D. W. (2016). *Castellated and Cellular Beam Design*. United States of America: AISC.
- Gloncu, V., & Mazzolani, F. M. (2003). *Ductility Of Seismic Resistant Steel Structure*.
- Grilo, L. F., Fakury, R. H., Silva, A. L., & Veríssimo, G. d. (2018). Design procedure for the web-post buckling of steel cellular beams. *Journal of Constructional Steel Research*, 525-541.

- Gu, J., & Chen, P. (2018). A failure criterion for isotropic materials based on Mohr's failure. *Mechanics Research Communications*.
- Hartono, W., & Chiew, S. P. (1996). Composite Behaviour Of Half Castellated Beam With Concrete Top Slab. *Advances in Steel Structures* .
- Iffat, S. (2015). Relation Between Density and Compressive Strength of Hardened Concrete. *Concrete Research Letters*, 182-183.
- Kaveh, A., & Ghafari, M. H. (2017). Optimum Design of Castellated Beams: Effect of Composite Action and Semi-Rigid Connections. *Scientia Iranica*.
- Kerdal, D., & Nethercot, D. A. (1984). Failure Modes for Castellated Beams . *Journal of Constructional Steel Research*.
- Liu, T. C., & Chung, K. F. (2003). Steel beams with large web openings of various shapes and sizes: finite element investigation. *Journal of Constructional Steel Research*.
- Logan, D. L. (2007). *A First Course in the Finite Element Method*.
- Londoño, O. G., & Paulino, G. H. (2020). A unified approach for topology optimization with local stress constraints considering various failure criteria: von Mises, Drucker–Prager, Tresca, Mohr–Coulomb, Bresler–Pister and Willam–Warnke. *Proc. R. Proceedings of The Royal Society A*.
- Loqman, N., Safiee, N. A., Bakar, N. A., & Nasir, N. A. (2018). Structural Behavior of Steel-Concrete Composite Beam using Bolted Shear Connectors: A Review. *MATEC Web of Conferences*.
- Majdi, Y., Hsu, C.-T. T., & Zarei, M. (2014). Finite element analysis of new composite floors having cold-formed steel and concrete slab. *Engineering Structures*, 65-83.
- Morkhade, S. G., Shaikh, S., Kumbhar, A., Shaikh, A., & Tiwari, R. (2018). COMPARATIVE STUDY OF ULTIMATE LOAD FOR CASTELLATED AND PLAIN-WEBBED BEAMS. *International Journal of Civil Engineering and Technology (IJCIET)*.
- Muhtarom, A. (2015). Studi Perilaku Balok Kastela Bentang Pendek Dengan Variasi Dimensi Lubang Heksagonal Menggunakan Metode Elemen Hingga. *Jurnal Penelitian dan Kajian Bidang Teknik Sipil*, 7-13.

- Mulyati, & Arkis, Z. (2020). Pengaruh Metode Perawatan Beton Terhadap Kuat Tekan Beton Normal. *Jurnal Teknik Sipil ITP*, 78.
- Nie, J.-G., Tian, C.-Y., & Cai, C. S. (2008). Effective width of steel–concrete composite beam at ultimate strength state. *Engineering Structures* 30.
- Pandey, V., Chaudhary, H. K., & Malik, A. (2022). Use of Self-Curing concrete in Rigid pavement construction - A review. *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, 396-400.
- Pane, F. P. (2015). PENGUJIAN KUAT TARIK LENTUR BETON DENGAN VARIASI KUAT TEKAN BETON. *Jurnal Sipil Statik*, 316.
- Partono, W., Sukamta, Hardiyati, S., & Budi, L. (2018). Optimasi Distribusi Lubang Pada Balok Baja Kastela. *Jurnal Teknik*.
- Rasmussen, K. J., & Khezri, M. (2020). The mechanics of built-up cold-formed steel members. *Thin-Walled Structures*.
- Sarvestani, H. A. (2019). Parametric study of hexagonal castellated beams in posttensioned self-centering steel connections. *Frontiers of Structural and Civil Engineering*.
- Setiawan, A. (2008). *Perancangan Struktur Baja dengan Metode LRFD*. Jakarta: Penerbit Erlangga.
- Shahi, S., Fakhri, E., & Yavari, H. (2022). Portland Cement: An Overview as a Root Repair Material. *BioMed Research International*, 13.
- Siswanto, A. B., & Salim, M. A. (2018). KRITERIA DASAR PERENCANAAN STRUKTUR BANGUNAN TAHAN GEMPA. *Jurnal Teknik Sipil*.
- Tumimomor, M. E., Dapas, S. O., & Mondoringin, M. R. (2016). ANALISIS PENGHUBUNG GESER (SHEAR CONNECTOR) PADA BALOK BAJA DAN PELAT BETON. *Jurnal Sipil Statik*.
- Widjaya, R., & Leman, S. (2023). ANALISIS KAPASITAS BALOK KOMPOSIT DENGAN VARIASI TULANGAN PELAT TERHADAP KERUNTUHAN KOLOM MENGGUNAKAN APLIKASI MIDAS FE. *JMTS: Jurnal Mitra Teknik Sipil*.
- Wight, J. K. (2012). *Reinforce Concrete Mechanics & Design*. New Jersey: Pearson Education.

Yun, X., & Gardner, L. (2017). Stress-strain curves for hot-rolled steels. *Journal of Constructional Steel Research*, 36-46.