



DAFTAR PUSTAKA

- ACI T1.1-01., 2001, Acceptance Criteria for Moment Frames Based on Structural Testing.
- Adebar, P., Hindi, R., dan Gonzalez, E., 2001, Seismic Behavior of Full-Scale Diagonally Reinforced Slender Coupling Beam, *Technical report*, University of British Columbia, Vancouver, British Columbia, Canada.
- AISC., 2002, Seismic Provisions for Structural Steel Buildings (a supplement to AISC Manual of Steel Construction, 3rd Edition), American Institute of Steel Construction.
- AISC., 2010, Specification for Structural Steel Building, Chicago, Illinois.
- Annual book of ASTM Standard E 2126 – 02a, Standard Test Methods for Cyclic (Reversed) Load Test for Shear Resistance of Walls for Buildings.
- Annual book of ASTM Standard E8/E8M-09, Standard Test Methods for Tension Testing of Metallic Material.
- Atmaja, D., 2012, Perilaku Geser Balok Komposit Castellated Bukan Heksagonal dengan Selimut Mortar, *Master Tesis*, UGM, Yogyakarta.
- Astari, M.D., 2014, Perilaku Geser Balok Castellated Modifikasi Dengan Pengaku Diagonal Tulangan Baja , *Master Tesis*, UGM, Yogyakarta.
- Balassanian, S., Cisternas, A., dan Melkumyan, M (editors)., 2000, *Earthquake Hazard and Seismic Risk Reduction*, Kluwer Academic Publishers, Dordrecht.
- Baczkowski, B.J., 2007, Steel Fibre Reinforced Concrete Coupling Beams, *PhD. Thesis*, The Hong Kong University of Science and Technology. Hongkong.
- Badan Standardisasi Nasional., 2002, Tatacara perencanaan struktur baja untuk bangunan gedung – SNI 03-1729-2002, Jakarta
- Badan Standardisasi Nasional., 2011, Cara uji kuat tekan beton dengan benda uji silinder-SNI 1974:2011, Jakarta.
- Badan Standardisasi Nasional., 1991, Metode pengujian kuat tarik baja beton-SNI 07-2529-1991, Jakarta.
- Badan Standardisasi Nasional., 2013, Persyaratan Beton Struktural untuk Bangunan Gedung- SNI 2847:2013, Jakarta.
- Badan Standardisasi Nasional., 2015, Spesifikasi untuk Bangunan Gedung Baja Struktural - SNI 1729:2015, Jakarta.
- Barney, G.B., Shiu, N.K., Rabbat, B.G., Fiorato A.E., Russell, H.G., dan Corley, W.G., 1980, Behavior of Coupling Beams Under Load Reversals, *Research and Development Bulletin*, Portland Cement Association, pp. 1-21.



- Binney, J.R., 1972, Diagonally Reinforced Coupling Beams, *Master Thesis*, The University of Canterbury, Christchurch, New Zealand.
- Brena Sergio F., Ruiz Miguel F., dan Muttoni, A., 2010, Applications Of Stress Fields To Assess The Behavior And Strength Of Coupling Beams Subjected To Seismic Actions, *3rd fib International Congress*.
- Brower, J. O., 2008, Analytical investigation into the effect of axial restraint on the stiffness and ductility of diagonally reinforced concrete coupling beams, *M.S thesis*, University of Cincinnati, Ohio.
- Canbolat, B.A., Parra-Montesinos, G.J., dan Wight, J.K., 2005, Experimental Study on Seismic Behaviour of High-Performance Fiber-Reinforced Cement Composite Coupling Beams, *ACI Structural Journal*, Vol. 102, No. 1, January-February, pp. 159-166.
- Chairunnisa, N., Satyarno, I., Musliikh., dan Aminullah, A., 2014, Various existing methods of coupling beams and a new alternative hybrid method, *Procedia Engineering*, *The 2nd International Conference on Sustainable Civil Engineering Structures and Construction Materials*, Volume 95, 2014, Pages 139–149.
- Chairunnisa, N., Satyarno, I., Musliikh., dan Aminullah, A., 2017, Analysis and Design of Shear Wall Coupling Beam Using Hybrid Steel Truss Encased in Reinforced Mortar, *Procedia Engineering*, *The 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials*, Volume 171, Pages 940–947.
- Chopra, A.K., 1995, *Dynamics of structures-theory and applications to earthquake engineering*, Prentice Hall Inc., USA.
- FEMA 273., 1997, NEHRP Guidelines For The Seismic Rehabilitation Of Buildings, *Federal Emergency Management Agency*, Washington D.C.
- FEMA 356., 2000, Prestandard And Commentary For The Seismic Rehabilitation Of Buildings, *Federal Emergency Management Agency*, Washington D.C.
- Fintel, M., 1995, Performance Of Buildings With Shear Wall In Earthquakes Of The Last Thirty Years, *PCI Journal.*, 40(3), 62-80.
- Fortney, P.J., 2005, The Next Generation of Coupling Beams, *Ph.D. Thesis*, The University of Cincinnati.
- Fortney, P.J., Rassati, G.A., dan Shahrooz, B.M., 2008, Investigation on effect of transverse reinforcement on performance of diagonally reinforced coupling beams, *ACI Structural Journal*, Vol. 105, No. 6, November-December, pp. 781-788.
- Galano, L., dan Vignoli, A., 2000, Seismic Behaviour of Short Coupling Beams with Different Reinforcement Layouts, *ACI Structural Journal*, Vol. 97, No. 6, November-December, pp.876-885.



- Gong, B., dan Shahrooz, B. M., 2001a, Concrete-Steel Composite Coupling Beams. I: Component, *J. Struct. Eng.* 2001.127:625-631.
- Gong, B., dan Shahrooz, B. M., 2001b, Concrete-Steel Composite Coupling Beams. II: Subassembly Testing And Design Verification, *J. Struct. Eng.* 2001.127:632-638.
- Gong, B., dan Shahrooz, B. M., 2001, Steel- Concrete Composite Coupling Beams- Behaviour and Design, *Engineering Structures* 23(200).1480-1490.
- Harries, K.A., Mitchell, D., Cook, W.D., and Redwood, R.G., 1993, Seismic Response of Steel Beams Coupling Concrete Walls, *J. Struct. Eng.* 1991.119:3611-3629.
- Harries, K.A., 1995, Seismic Design and Retrofit of Coupled Walls Using Structural Steel, *Ph.D Thesis*. Department of Civil Engineering and Applied Mechanics, McGill University, Montreal, Canada
- Harries, K.A., 1999, Ductility and deformability of coupling beams in reinforced concrete coupled walls, *Proceedings of the Eighth Canadian Conference on Earthquake Engineering*, Vancouver, June, 1998:475–481.
- Harries, K.A., Gong, B., dan Shahrooz, B.M., 2000, Behavior and Design of Reinforced Concrete, Steel, and Steel-Concrete Coupling Beams, *Earthquake Spectra*: November 2000, Vol. 16, No. 4, pp. 775-799.
- Heidy, P., 2014, Perilaku Geser Balok Castellated Modifikasi Dengan Penyambung Profil Siku dan Komposit, *Master Tesis*, UGM, Yogyakarta.
- Heldita, D., 2012, Perilaku Geser Balok Baja Castellated Bentuk Bukaan Lubang Segiempat dengan Tulangan dan Komposit Beton Agregat Praletak, *Master Tesis*, UGM, Yogyakarta.
- Hindi, R., dan Hassan, M., 2007, Simplified Trilinear Behavior of Diagonally Reinforced Coupling Beams, *ACI Structural Journal*, 5(2) 199-206.
- Ihtiyar, O., 2006, Force-deformation Response of Conventionally Reinforced Coupling Beams, *Master Thesis*, Civil Engineering Mechanics and Structures, University of Massachusetts Amherst.
- Junwon, S., JongWan, H., and Burte, D., 2015, Seismic Performance Evaluation of Multistory Reinforced Concrete Moment Resisting Frame Structure with Shear Walls, *Sustainability* 7, pp 14287-14308
- Kuang, J.S., dan Baczkowski, B.J., 2006, Shear Capacity of Steel Fibre Reinforced Concrete Coupling Beams, *Joint International Conference on Computing and Decision Making in Civil and Building Engineering*, Montreal. Canada.
- Kuang, J.S., dan Cheng, P.C., 2004, Shear Strength of Reinforced Concrete-Encased Steel Plate Composite Coupling Beams. *Research Report*, Dept. of Civil Engrg., Hong Kong Univ. of Science and Technology, Hong Kong.
- Kulak, G.L., dan Gronding, G.Y., 2002, Limit States Design in Structural Steel, *Canadian Institute of Steel Construction*.



- Kwan, A., dan Zhao, Z., 2002, Cyclic Behaviour of Deep Reinforced Concrete Coupling Beams, *Structures & Buildings, Vol. 152, No. 3, August, pp. 283-293*.
- Lequesne, R.D., 2011, Behavior and Design of High-Performance Fiber-Reinforced Concrete Coupling Beams and Coupled-Wall Systems, *PhD.Thesis*, Department of Civil Engineering, University of Michigan.
- Lin, Q., Deng, Z., and Tang, G., 2011, Experimental Study on Seismic Behavior of Full-Scale New Steel Truss Coupling Beams, *Advanced Materials Research Vols. 163-167 pp 2041-2046*.
- Mc.Cormac, Jack., 2003, Desain Beton Bertulang, Edisi 5, Jilid 2, Erlangga, Jakarta
- Naish, D., 2010, Testing and Modeling of Reinforced Concrete Coupling Beams, *PhD.Thesis*, Department of Civil Engineering, University of California, Los Angeles.
- Mander, J.B., Priestley, M.J.N., dan Park, R., 1998, Theoretical Stress–Strain Model for Confined Concrete. *Journal of Structural Engineering, ASCE* 1, 114(8):1804–26
- Marcakis, K., dan Mitchell, D., 1980, Precast Concrete Connections with Embedded Steel Members, *Prestressed Concrete Institute Journal, 25 (4), 88-116*.
- Mattock, A.H., and Gaafar, G.H., 1982, Strength of embedded steel sections as brackets. *ACI Journal, 79(2)*.
- Paulay, T., 1969, The Coupling of Shear Walls, *PhD.Thesis*, Department of Civil Engineering, University of Canterbury, New Zealand.
- Paulay, T., 1971, Coupling Beams of Reinforced Concrete Shear Walls, *Journal of the Structural Division, Proceedings of the American Society of Civil Engineers, Vol. 97, No. ST3, March, pp. 843-862*.
- Paulay, T., dan Binney, J.R., 1974, Diagonally Reinforced Coupling Beams of Shear Walls, *ACI Special Publication SP-42, Shear in Reinforced Concrete, Vol 2, American Concrete Institute, Detroit, 579-598*.
- Paulay, T., dan Priestley M.J.N., 1992, Seismic Design Of Reinforced Concrete and Masonry Building, *John Willey & Sons, Inc. USA*.
- Paulay, T., and Santhakumar, A. R., 1976, Ductile Behavior of Coupled Shear Walls, *Journal of the Structural Division, ASCE, 102 (ST1), 93-108*.
- Priestley, N.M.J., Calvi, M., and Kowalsky, M.J., 2007, Displacement-Based Seismic Design of Structures, *IUSS Press, Pavia, Italy*.
- Putri, A.P., 2014, Perilaku Geser Balok Castellated Modifikasi Komposit Mortar Dengan Penyambung Tulangan Baja , *Master Tesis*, UGM, Yogyakarta.



- Satyarno, I., 2000, Adaptive Pushover Analysis for The Seismic Assessment of Older Reinforced Concrete Building, *Ph.D Thesis*, University of Canterbury, New Zealand.
- Setkit, M ., 2012, Seismic Behaviour of Slender Coupling Beams Constructed With High-Performance Fiber-Reinforced Concrete, *PhD.Thesis*, Department of Civil Engineering, University of Michigan.
- Shastri, A.S., 2010, Computational Modeling Of Conventionally Reinforced Concrete Coupling Beams, *Master Thesis*, Texas A&M University.
- Shahrooz, B.M., Remmetter, M. E., dan Qin, F.,1993, Seismic Design and Performance of Composite Coupled Walls. *J. Struct. Eng.*,119, 3291–3309.
- Subedi, N.K., 1989, Reinforced Concrete Beams with Plate Reinforcement for Shear, *Proceedings of the Institution of Civil Engineers-Structural Engineering*, 87(Part 2), 377-399.
- Sudewi, I., 2014, Perilaku Geser Balok Castellated Modifikasi Dengan Penyambung Profil Siku , *Master Thesis*, UGM, Yogyakarta.
- Suen, Pho Ci., 2012, Steel-Plate Encased Concrete Coupling Beams, *PhD.Thesis.*,The Hong Kong University of Science and Technology, Hong Kong.
- Su, R.K.L., Pam, H.J., dan Lam.W.Y., 2006, Effects of Shear Connectors on Plate-Reinforced Composite Coupling Beams of Short and Medium-Length Spans, *Journal of Constructional Steel Research* 62 (2006) 178–188.
- Tegos, I.A., dan Penelis, G.G., 1988, Seismic Resistance Of Short Columns And Coupling Beams Reinforced With Inclined Bars, *ACI Structural Journal*, Vol. 85, No.1, January –February, pp. 82-88.
- Tassios, T.P., Moretti, M., dan Bezas, A., 1996, On the Behaviour and Ductility of Reinforced Concrete Coupling Beams of Shear Walls, *ACI Structural Journal*, Vol. 93, No. 6, November –December, pp. 711-720.
- Tjokrodinuljo, K., 2004, Teknologi Beton. *Jurusan Teknik Sipil Fakultas Teknik UGM*, Yogyakarta.
- Tsonos, A. G., 1999, Lateral Load Response of Strengthened Reinforced Concrete Beam-Column Joint, *ACI Structural*, January-February, pp 46-56.
- Wallace, J.W., 2012, Behavior, Design, and Modelling of Structural Walls and Coupling Beams – Lessons From Recent Laboratory Tests And Earthquakes, *International Journal of Concrete Structures and Materials*, Vol. 6, No. 1, March, pp. 3-18.
- Wancik, A., 2008, Batako Styrofoam Komposit Mortar Semen, *Master Tesis*, UGM, Yogyakarta.
- Widyasih, N. M. R., 2009, Sifat-sifat Mortar dengan Bahan Tambah Viscocrete untuk Pembuatan Genteng Beton dan Bata Lantai, *Tugas Akhir*, UGM, Yogyakarta



- Yun, H.D., Kim, S.-W., Jeon, E., Park, W.-S., dan Lee, Y.T., 2008, Effects of Fibre- Reinforced Cement Composites' Ductility on the Seismic Performance of Short Coupling Beams, *Magazine of Concrete Research*, Vol. 60, No. 3, pp. 223-233.
- Zhao, Z. Z., Kwan, A. K. H., and He, X. G., 2004, Nonlinear finite element analysis of deep reinforced concrete coupling beams, *Eng Struct*, 26(1), 13-25.