

## DAFTAR PUSTAKA

- A. M. Harte, 2009, Timber engineering: an introduction, M. Forde, ICE Manual of Construction Materials, Chapter 60.
- Alamsyah, E.M., dan Karliati, T., 2011, Kayu Surian sebagai Alternatif Bahan Baku Produk Perekatan Kayu Masa Depan (II): Laminated Veneer Lumber (LVL), J. Ilmu dan Teknologi Kayu Tropis Vol. 9 No. 2.
- An American Institute of Architects (AIA), 2007. Designing Floor Systems with Engineered Wood Joists. Grand Rapids, MI: An American Institute of Architects (AIA).
- Astuti, D., 2014, Perilaku Struktur Sistem Lantai Kayu LVL Sengon, Tugas Akhir, Universitas Gadjah Mada.
- Auclair, S.C., Sorelli, L., & Salenikovich, A., 2016, A New Composite Connector for Timber-Concrete Composite Structures, Construction and Building Materials, 112, 84-92.
- Auclair, S. M., 2020, Design Guide for Timber-Concrete Composite Floors in Canada, First Edition, FPInnovations.
- Awaludin, A., 2011, Hasil pengujian LVL *Paraserianthes falcataria* (Sengon), Jurusan Teknik Sipil dan Lingkungan, Universitas Gadjah Mada.
- Awaludin, A., 2012, Development of Structural Walls Made from LVL Sengon (*Paraserianthes falcataria*): Basic Mechanic Properties, Proceeding of International Conference on Sustainable Civil Engineering Structures and Construction Materials (SCESCM), Yogyakarta, 299-302
- Awaludin, A., Shahidan, S., Basuki, A., Zuki, S. S., & Nazri, F. M., 2018, Laminated Veneer Lumber (LVL) Sengon : An Innovative Sustainable Building Material in Indonesia, International Journal of Integrated Engineering, 10, 17-22.
- Badan Standardisasi Indonesia (BSN), 2011, Cara Uji Kuat Tekan Beton dengan Benda Uji Silinder yang Dicitak, SNI 1974-2011, Jakarta, Indonesia.



- Badan Standardisasi Indonesia (BSN), 2011, Persyaratan Beton Struktural Untuk Bangunan Gedung, SNI 2847-2013, Jakarta, Indonesia.
- Bajzecerova et al, 2016, The Effect of Environment on Timber-Concrete Composite Bridges Deck, *Procedia Engineering*, 156, 32-39.
- Basuki, A., 2020, Perilaku Rangkak Sistem Lantai Open Web Truss Joist LVL Sengon, Disertasi, Universitas Gadjah Mada.
- Buchanan, A. H., 1990, Bending Strength of Lumber, *Journal of Structural Engineering*, 116, 1213-1229.
- Ceccotti, A., 2002, Composite concrete-timber structures, *Progress in Structural Engineering and Materials*, Vol. 4, Hal. 264-275.
- Clouston, P., Bathon, L. A., and Schreyer A., 2005, Shear and Bending Performance of a Novel Wood–Concrete Composite System, *Journal of Structural Engineering*, Vol. 131, hal. 1404-1412.
- Collins, L., 2020, Timber-concrete composite: an alternative composite floor system, Thesis, Kansas State University.
- CSI, 2011, Linear and Nonlinear Static and Dynamic Analysis and Design of Three-Dimensional Structures, Computers & Structures, Inc. 1995, University Avenue, Berkeley, California, USA.
- Dias, A.M.P.G., Schänzlin, J., & Dietsch, P., 2018, Design of timber-concrete composite structures : A state-of-the-art, Jerman : Shaker Verlag Aachen.
- Eratodi, I.G.L.B. & Awaludin, A., 2017, Bending Capacity of Non-Prismatic LVL Beams *Paraserianthes falcataria*, *Procedia Engineering: Sustainable Civil Engineering Structures and Construction Materials (SCESCM)*, 171, 1362-1369.
- Ervianto W.I., Teori dan Aplikasi Manajemen Proyek Konstruksi, Andi, Yogyakarta, 2006.
- European Committee for Standardization, 2004, EN 1995-1-1: Design of timber structures - part 1-1: General - common rules and rules for buildings, Brussels, Belgium.
- European Committee for Standardization, 2004, EN 1995-1-1: Design of timber structures - Part 2: Bridges, Brussels, Belgium.

- Fragiacomo, M. dkk., 2018, Timber-concrete composite bridges: Three case studies, *Journal of Traffic and Transportation Engineering*, 5, 429-438.
- Japanese Agricultural Standard, 2008, Laminated Veneer Lumber, Notification No.701, Tokyo: The Ministry of Agriculture, Forestry and Fisheries of Japan.
- Khorsandnia, N., Valipour H.R., & Crews, K., 2012, Experimental and analytical Investigation of Short-term Behaviour of LVL-Concrete Composite Connections and Beams, *Construction and Building Materials*, 37, 229-238.
- Krisnawati, H., Varis, E., Kallio, M., & Kanninen, M., 2011, *Paraserienthes falctaria (L.) Nielsen : Ecology, silviculture, and productivity*, Bogor: CIFOR.
- Lukaszewska E., Johnsson H. and Fragiaco M., 2008, Performance of connections for prefabricated timber– concrete composite floors, *Materials and Structures*, 41(9), 1533–1550.
- Lukaszewska E., Fragiaco, M. and Johnsson, H., 2010, Laboratory Tests and Numerical Analyses of Prefabricated Timber-Concrete Composite Floors, *Journal of Structural Engineering*, 136, 46–55.
- McCormac, J.C., Brown., H.R, 2013, *Design of Reinforced Concrete (9<sup>th</sup> ed.)*, United State of America: Department, John Wiley & Sons, Inc.
- Piazza, M., and G. Turrini, 1983, Static Behaviour of Timber-Concrete Composite Structures, *Recuperare* 6 214-25.
- Pranata, Y. A., & Kristianto, A., 2016. Pengembangan Sistem Lantai Komposit Berbasis Material Lokal Untuk Bangunan Kayu Bertingkat, *Seminar Nasional Pengabdian kepada Masyarakat*, 424-431.
- Prayitno, T.A., 1996, *Perekatan Kayu Bagian Penerbit*, Yogyakarta: Fakultas Kehutanan Universitas Gadjah Mada.
- RedBuilt, L., 2016. *The RedBuilt Open Web Truss Specifier's Guide*. [Online] Available at: <http://www.redbuilt.com> [Accessed 6 March 2017].
- Segui, W. T., 1994. *LRFD Steel Design*. Boston, Massachusetts: PWS Publishing Company.



- Tantisaputri, I. A., 2019, Tahanan Lateral Sambungan Lag Screw Pada Sistem Komposit LVL Kayu Sengon dan Beton Pracetak, Thesis, Media Komunikasi Teknik Sipil, 25, 132-140.
- Theodarmo, H., 2013, Perilaku Struktur Balok Susun LVL Sengon Untuk Sistem Lantai Kayu, Universitas Gadjah Mada: Tesis S2 Jurusan Teknik Sipil dan Lingkungan Fakultas Teknik.
- Tokyo Measuring Instruments Lab, 2020, Strain Gauges, Minami-Ohi 6-Chome, Shinagawa-Ku, Tokyo
- Tular dan Idris, 1981, Sekilas mengenai struktur bangunan kayu di Indonesia, Proceeding Lokakarya Standarisasi Kayu Bangunan, Departemen Hasil Hutan, Institut Pertanian Bogor.
- Wujek, J. B., 1999. Applied Statics, Strength of Materials, and Building Structure Design. New Jersey: Prentice-Hall, Inc.
- Yeoh, D. et. al., 2011. Experimental Behaviour of LVL-Concrete Composite Floor Beams at Strength Limit State, Engineering Structure, Vol. 33, 2697- 2707.