DAFTAR PUSTAKA

Abell, M., 2019. Material nonlinearity [online]. Available from: https://wiki.csiamerica.com/display/kb/Material+nonlinearity.

Abzarih, A.W., 2017. Pemodelan Nonlinear Bambu Petung Laminasi Pada Pengujian Lentur Berdasarkan ASTM D 143-94.

Akinbade, Y., Harries, K.A., Flower, C. V., Nettleship, I., Papadopoulos, C., dan Platt, S., 2019. Through-culm wall mechanical behaviour of bamboo. *Construction and Building Materials*, 216, 485–495.

Akinbade, Y., Nettleship, I., Papadopoulos, C., dan Harries, K.A., 2021. Modelling full-culm bamboo as a naturally varying functionally graded material. *Wood Science and Technology*, 55 (1), 155–179.

Arifin, H.Z., 2022. PEMODELAN NUMERIK BALOK BAMBU WULUNG PADA BEBAN LENTUR EMPAT TITIK PEMBEBANAN (FOUR-POINT BENDING) BERDASARKAN ISO 22157:2019. *Universitas Gadjah Mada*. Universitas Gadjah Mada.

Awaludin, A. dan Andriani, V., 2014. Bolted bamboo joints reinforced with fibers. *Procedia Engineering*, 95 (Scescm), 15–21.

Awaludin, A., Irawati, I.S., dan Shulhan, M.A., 2019. Two-dimensional finite element analysis of the flexural resistance of LVL Sengon non-prismatic beams. *Case Studies in Construction Materials*, 10.

Bahtiar, E.T., Imanullah, A.P., Hermawan, D., Nugroho, N., dan Abdurachman, 2019. Structural grading of three sympodial bamboo culms (Hitam, Andong, and Tali) subjected to axial compressive load. *Engineering Structures*, 181 (November 2018), 233–245.

Budi, A.S. dan Rahmadi, A.P., 2020. Performance of wulung bamboo reinforced concrete beams Performance of Wulung Bamboo Reinforced Concrete Beams, 020010 (November 2017).

CAE Assistant Group, 2020. Start Writing Your 1st UMAT Abaqus [online]. Available from:

https://caeassistant.com/blog/start-umat-abaqus/.

Candelaria, M.D.E. dan Hernandez, Jr., J.Y., 2019. Determination of the Properties of Bambusa Blumeana Using Full-Culm Compression Tests and Layered Tensile Tests for Finite Element Model Simulation Using Orthotropic Material Modeling. *ASEAN Engineering Journal*, 9 (1), 54–71.

Chaowana, K., Wisadsatorn, S., dan Chaowana, P., 2021. Bamboo as a sustainable building material—culm characteristics and properties. *Sustainability (Switzerland)*, 13 (13).

Eratodi, I.G.L.B., 2017. *Struktur dan Rekayasa Bambu*. Pertama. Denpasar, Bali: Universitas Pendidikan Nasional Denpasar Bali.

García, J.J., Rangel, C., dan Ghavami, K., 2012. Experiments with rings to determine the anisotropic elastic constants of bamboo. *Construction and Building Materials*, 31, 52–57.

Gere, J.. dan Goodno, B.J., 2011. *Mechanis of Materials*.

Ghavami, K., 2005. Bamboo as reinforcement in structural concrete elements. *Cement and Concrete Composites*, 27 (6), 637–649.

Hibbeler, R.., 2014. *Statics and Mechanics of Materials*. 4th ed.

Irawati, I.S. dan Wusqo, U., 2020. Perbandingan Perilaku Lentur Balok Bambu Menggunakan Sifat Mekanik yang Diperoleh dengan Metode Rata-rata dan Persentil ke-5. *Jurnal Permukiman Vol. 15 No.1*, 1–23.

Irgens, F., 2008. *Continuum mechanics*. Continuum Mechanics.

ISO-22156, 2021. INTERNATIONAL STANDARD Bamboo structures — Bamboo culms — Structural design. *Switzerland*, 2021.

ISO-22157, 2019. INTERNATIONAL STANDARD Bamboo structures — Determination of physical and mechanical properties. *Switzerland*, 2019, 11.

Junaid, A., Irawati, I.S., dan Awaludin, A., 2022. Analisis Sifat Mekanis dan Fisis Bambu Menggunakan Metode Destruktif. *Jurnal Teknik Sipil MACCA*, 7 (1), 41–49.

Koko, F., 2019. Bamboo as a Sustainable Material for Building Construction in Nigeria. *Civil and Environmental Research*, 11 (8), 30–36.

Long, L., Wang, Z., dan Chen, K., 2015. Analysis of the hollow structure with functionally gradient materials of moso bamboo. *Journal of Wood Science*, 61 (6), 569–577.

Ma'Ruf, M.F., 2017. A Review on the Use of Bamboo for Earthwork Construction. *MATEC Web of Conferences*, 138.

Mase, G.T. dan Mase, G.E., 1999. *Continuum Mechanics for Engineer*.

Maulana, M.I., Jeon, W.S., Purusatama, B.D., Nawawi, D.S., Nikmatin, S., Sari, R.K., Hidayat, W., Febrianto, F., Kim, J.H., Lee, S.H., dan Kim, N.H., 2021. Variation of Anatomical Characteristics within the Culm of the Three Gigantochloa Species from Indonesia. *BioResources*, 16 (2), 3596–3606.

Nurdiah, E.A., 2016. The Potential of Bamboo as Building Material in Organic Shaped Buildings. *Procedia - Social and Behavioral Sciences*, 216 (October 2015), 30–38.

Nurmadina, Nugroho, N., dan Bahtiar, E.T., 2017. Structural grading of Gigantochloa apus bamboo based on its flexural properties. *Construction and Building Materials*, 157, 1173–1189.

Oka, G.M., Triwiyono, A., Awaludin, A., dan Siswosukarto, S., 2014. Effects of node, internode and height position on the mechanical properties of gigantochloa atroviolacea bamboo. *Procedia Engineering*, 95 (Scescm), 31–37.

Prajapati, G. dan Dua, S., 2022. A Critical Review of Bamboo as a Building Material for Sustainable Development, (May).

Prasad, B.B., 2018. The theory of continuum and elasto-plastic materials, (February).

Ramful, R. dan Sakuma, A., 2020. Investigation of the effect of inhomogeneous material on the fracture mechanisms of bamboo by finite element method. *Materials*, 13 (21), 1–15.

Sato, M., Inoue, A., dan Shima, H., 2017. Bamboo-inspired optimal design for functionally graded hollow cylinders, 1–14.

Shames, I.H., 2020. Linear Elastic Behavior. *Elastic And Inelastic Stress Analysis*.

Sharma, B., Harries, K.A., dan Ghavami, K., 2013. Methods of determining transverse mechanical properties of full-culm bamboo. *Construction and Building Materials*, 38,

627–637.

Sofiana, Y., Wahidiyat, M., dan Sylvia Caroline, O., 2018. Bamboo as sustainable material for furniture design in disaster and remote areas in Indonesia. *IOP Conference Series: Earth and Environmental Science*, 126 (1), 0–7.

Suriani, E., 2020. A Study of the Physical-Mechanical Properties of Bamboo in Indonesia, 154–162.

System, D., n.d. Getting Started with ABAQUS/Standard: [online]. *2010*. Available from: https://classes.engineering.wustl.edu/2009/spring/mase5513/abaqus/docs/v6.6/books/gss/default.htm?startat=ch05s03.html.

Tan, T., Rahbar, N., Allameh, S.M., Kwofie, S., Dissmore, D., Ghavami, K., dan Soboyejo, W.O., 2011. Mechanical properties of functionally graded hierarchical bamboo structures. *Acta Biomaterialia*, 7 (10), 3796–3803.

Taufani, A.R. dan Nugroho, A.S.B., 2014. Proposed bamboo school buildings for elementary schools in Indonesia. *Procedia Engineering*, 95 (Scescm), 5–14.

Tiza, T.M., Singh, S.K., Kumar, L., Shettar, M.P., dan Singh, S.P., 2021. Assessing the potentials of Bamboo and sheep wool fiber as sustainable construction materials: A review. *Materials Today: Proceedings*, 47, 4484–4489.

Wedayana, K.M., Rajendra, I.G.N.A., dan Agusintadewi, N.K., 2018. Bamboo Material Benefits in Lobby Eco Villa Construction Building in Mandalika Area, Lombok-Nusa Tenggara Barat. *Journal of A Sustainable Global South*, 2 (2), 15.

Zhou, A., Huang, D., Li, H., dan Su, Y., 2012. Hybrid approach to determine the mechanical parameters of fibers and matrixes of bamboo. *Construction and Building Materials*, 35, 191–196.

ZP Shao , L Zhou , YM Liu, Z.W. and C.A., 2010. DIFFERENCES IN STRUCTURE AND STRENGTH BETWEEN INTERNODE AND NODE SECTIONS OF MOSO BAMBOO. *Journal of Tropical Forest Science*, 22 (2), 133–138.