

REFERENCES

- [1] Y. Wang, C. Zhang, L. Ren, M. Ichchou, M.-A. Galland, and O. Bareille, "Influences of rice hull in polyurethane foam on its sound absorption characteristics," *Polym. Compos.*, vol. 34, no. 11, pp. 1847–1855, Nov. 2013.
- [2] J. G. Gwon, S. K. Kim, and J. H. Kim, "Sound absorption behavior of flexible polyurethane foams with distinct cellular structures," *Mater. Des.*, vol. 89, pp. 448–454, Jan. 2016.
- [3] WHO, "Guidelines for Community Noise." World Health Organization, 2000.
- [4] A. Gupta, *Industrial safety and environment*. New Delhi: Laxmi Publications (P) LTD, 2006.
- [5] C. Mediastika, "Potensi Jerami Padi Sebagai Bahan Baku Panel Akustik," *Yogyakarta*, vol. 35, No. 2, Desember 2017, pp. 183–189.
- [6] AutoDesk, "Occupant Comfort," *Green Building Goals and Design*. .
- [7] ROCKWOOL, "Indoor Acoustic Comfort in Buildings."
- [8] L. Peng, B. Song, J. Wang, and D. Wang, "Mechanic and Acoustic Properties of the Sound-Absorbing Material Made from Natural Fiber and Polyester," *Adv. Mater. Sci. Eng.*, vol. 2015, pp. 1–5, 2015.
- [9] A. Putra, Y. Abdullah, H. Efendy, W. M. F. W. Mohamad, and N. L. Salleh, "Biomass from Paddy Waste Fibers as Sustainable Acoustic Material," *Adv. Acoust. Vib.*, vol. 2013, pp. 1–7, 2013.
- [10] J. Sataloff, R. T. Sataloff, and R. T. Sataloff, Eds., *Occupational hearing loss*, 3rd ed. Boca Raton, FL: CRC Taylor & Francis, 2006.
- [11] A. Khuriati, "Disain Peredam Suara Berbahan Dasar Sabut Kelapa dan Pengukuran Koefisien Penyerapan Bunyinya ISSN : 1410 – 9662."
- [12] Badan Pusat Statistik, "Statistik Indonesia Tahun 2014," 2015. .
- [13] J. E. G. van Dam *et al.*, "Process for production of high density/high performance binderless boards from whole coconut husk," *Ind. Crops Prod.*, vol. 24, no. 2, pp. 96–104, Sep. 2006.
- [14] P. K. Thampan, *Handbook on coconut palm*. New Delhi [u.a.: Oxford & IBH Publ., 1993.
- [15] J. Khedari, N. Nankongnab, J. Hirunlabh, and S. Teekasap, "New low-cost insulation particleboards from mixture of durian peel and coconut coir," *Build. Environ.*, vol. 39, no. 1, pp. 59–65, Jan. 2004.
- [16] W. Krisnabamrung, "The nature of adhesion in paper and related product," Bangkok, 1979.
- [17] O. Robin, A. Berry, O. Doutres, and N. Atalla, "Measurement of the absorption coefficient of sound absorbing materials under a synthesized diffuse acoustic field," *J. Acoust. Soc. Am.*, vol. 136, no. 1, p. EL13-EL19, Jul. 2014.
- [18] Zulfian and M. Sajidin, "Kajian tentang Kemungkinan Pemanfaatan Bahan Serat Ijuk sebagai Bahan Penyerap Suara Ramah Lingkungan," *J. Rekayasa Kim. Dan Lingkungan*, vol. 7, no. 2, pp. 94–98.
- [19] L. Ismail, "Sound Absorption of Arenga Pinnata Natural Fiber," *World Acad. Sci. Eng. Technol.*, vol. 4, No: 7, 2010.

- [20] M. Zaim, “PENGARUH KERAPATAN BAHAN PENYERAP BUNYI BERBAHAN DASAR LIMBAH SERBUK GERGAJI KAYU TERHADAP KOEFISIEN SERAPAN BUNYI,” Bachelor Thesis, Universitas Gadjah Mada, Yogyakarta, 2015.
- [21] A. Pizzi, “Recent developments in eco-efficient bio-based adhesives for wood bonding: opportunities and issues,” *J. Adhes. Sci. Technol.*, vol. 20, no. 8, pp. 829–846, Jan. 2006.
- [22] R. Widyorini, P. A. Nugraha, M. Z. A. Rahman, and T. A. Prayitno, “Bonding Ability of a New Adhesive Composed of Citric Acid-Sucrose for Particleboard,” in *BioResources*, 2016.
- [23] K. Umemura, T. Ueda, and S. Kawai, “Characterization of wood-based molding bonded with citric acid,” *J. Wood Sci.*, vol. 58, no. 1, pp. 38–45, 2012.
- [24] R. Widyorini *et al.*, “Improving the Physico-Mechanical Properties of Eco-friendly Composite Made from Bamboo,” *Adv. Mater. Res.*
- [25] L. E. Kinsler, Ed., *Fundamentals of acoustics*, 4th ed. New York: Wiley, 2000.
- [26] P. M. Morse and K. U. Ingard, *Theoretical acoustics*. Princeton, N.J: Princeton University Press, 1986.
- [27] D. Sang, *Cambridge IGCSE Physics*. Cambridge ; New York: Cambridge University Press, 2010.
- [28] K. Heutschi, *Lecture Notes on Acoustics I*. Zurich: Swiss Federal Institute of Technology, 2016.
- [29] J. Parkinson, “Acoustic Absorber Design,” University of Canterbury, New Zealand, 1999.
- [30] ISO, “ISO 10534-2: Acoustics — Determination of sound absorption coefficient and impedance in impedance tubes — Part 2: Transfer-function method,” 1998.
- [31] J. Y. Chung and D. A. Blaser, “Transfer function method of measuring in-duct acoustic properties. I. Theory,” *J. Acoust. Soc. Am.*, vol. 68, no. 3, pp. 907–913, Sep. 1980.
- [32] J. Y. Chung and D. A. Blaser, “Transfer function method of measuring in-duct acoustic properties. II. Experiment,” *J. Acoust. Soc. Am.*, vol. 68, no. 3, pp. 914–921, Sep. 1980.
- [33] M. WOLKESSON, “Evaluation of impedance tube methods - A two microphone in-situ method for road surfaces and the three microphone transfer function method for porous materials,” Chalmers Technology University, MARTIN, Sweden, 2013.
- [34] S. Kalia, B. S. Kaith, and Inderjeet Kaur, Eds., *Cellulose fibers: bio- and nano-polymer composites: green chemistry and technology*. Heidelberg: Springer, 2011.
- [35] M. Jawaid, P. M. Tahir, and N. Saba, *Lignocellulosic fibre and biomass-based composite materials: processing, properties and applications*. 2017.
- [36] A. Khursheed, *Scanning electron microscope optics and spectrometers*. New Jersey: World Scientific, 2011.
- [37] L. Reimer, *Scanning electron microscopy: physics of image formation and microanalysis*. Berlin; New York: Springer-Verlag, 1985.
- [38] JIS, “JIS A 5908: Particleboards,” 2003.