

DAFTAR PUSTAKA

- Amiruddin, 2010, Analisis Getaran Pada Berbagai Jenis Bahan Kayu dengan Metode Fungsi Transfer, Teknologi, Volume 12, No.1, pp. 33-42.
- Anwar, N. dan Najam, F.A., 2016, *Structural Cross-sections: Analysis and Design*, Butterworth-Heinemann (Elsevier), Oxford.
- Avitabile, P., 2001, *Experimental Modal Analysis (A Simple Non-Mathematical Presentation)*, [Pictures], Sound and Vibration Magazine, University of Massachusetts Lowell, Massachusetts.
- Benson, D., 2008, *Music: A Mathematical Offering*, Department of Mathematics, University of Aberdeen, Aberdeen.
- Beaton, D. dan Scavone, G., 2019, *Measurement-based Comparison of Marimba Bar Modal Behaviour*, Prosiding International Symposium on Music Acoustics (ISMA 2019), pp. 84 – 89.
- Bork, I., Chaigne, A., Trebuchet, L., Kosfelder, M., Pillot, D., 1999, *Comparison between Modal Analysis and Finite Element Modelling of a Marimba Bar*, Acta Acustica, Volume 85, pp. 256-266.
- Bretos, J., Santamaría, C., Moral, J.A., 1998, *Finite Element Analysis and Experimental Measurements of Natural Eigenmodes and Random Responses of Wooden Bars Used in Musical Instruments*, Applied Acoustics, pp. 141-156.
- Danihelová, A., Čulík, M., Němec, M., Gejdoš, M., Danihelová, Z., 2015, *Modified Wood of Black Locust – Alternative to Honduran Rosewood in the Production of Xylophones*, Acta Physica Polonica A, Volume 127, No. 1, pp. 106 – 109.
- Fletcher, N.H. dan Rossing, T. D., 1998, *The Physics of Musical Instruments*, 2nd ed, Springer, Berlin.
- Hamdan, S., Wahid, H.A., Musoddig, I.A., Nyawai, Y., 2018, *Marimba Instrument Construction from Kayu Malam Wood (Diospyros maingayi)*, BioResources, Volume 13, No.1, pp. 43 – 52.

- Haqi, R., 2007, Penelitian Sifat Akustik Kayu Indonesia Sebagai Bahan *Top Plate* Gitar Akustik, Skripsi S1, Departemen Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta.
- Irvine, T., 2000, *An Introduction to Frequency Response Functions*. <http://www.vibrationdata.com/tutorials2/frf.pdf>, (online accessed 17 Januari 2024).
- Kusumaningtyas, I. dan Subagio, 2012, *Indonesian Wood as Material for Acoustic Guitars and Violins*, Wood Research Journal, Volume 3, No. 1, pp. 11-17.
- Le Favre, J., n.d, *Tuning the Marimba Bar and Resonator*, [Pictures], <https://www.lafavre.us/tuning-marimba.html/>, (online accessed 24 Januari 2024).
- Logan, L. D., 2007, *A First Course in the Finite Element Method*, 4th Ed., Thomson, Toronto.
- Lu, Y., 2013, *Comparison of Finite Element Method and Modal Analysis of Violin Top Plate*, Master Thesis, McGill University, Canada.
- Marimba One, n.d, *Izzy Concert Marimba*, [Pictures], <https://www.marimbaone.com/products/marimbas/izzy-concert-marimba/>, (online accessed 23 Januari 2024).
- Parikesit, G.O.F., Kusumaningtyas, I., 2019, *Vibration of Clipped Strings in the Bundengan Musical Instrument*, Applied Acoustics, Volume 155, pp. 204-215.
- Petrone, G., D'Alessandro, V., Franco, F., De Rosa, S., 2015, *Damping Evaluation on Eco-friendly Sandwich Panels Through Reverberation Time (RT_{60}) Measurements*, Journal of Vibration and Control, Volume 21, pp. 3328-3338.
- Pratik, n.d, *Radius of gyration: Definition, Formula, Derivation, Units, Explained*, <https://mechcontent.com/radius-of-gyration/>, (online accessed 18 Januari 2024).
- Prihatmaji, Y.P., Kitamori, A., Murakami, S., Komatsu, K., 2012, *Study on Mechanical Properties of Tropical Timber Hardwood Species:*

Promoting Javanese Inferior Timbers for Traditional Wooden Houses,
Wood Research Journal, Volume 3, No.1, pp. 44-54.

Rahmad, N., 2007, Penelitian Admitan Akustik dan Faktor Redaman Kayu Indonesia Sebagai Bahan Soundboard Biola, Skripsi S1, Departemen Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta.

Rager, D., 2008, *The History of the Marimba*, Music Faculty Publications, No.1, https://engagedscholarship.csuohio.edu/clmusic_facpub/1/, (online accessed 22 November 2023).

Rao, S.S., 2011, *Mechanical Vibrations*, 5th ed, Pearson Prentice Hall, New Jersey.

Richardson, M.H., 1997, *Is It a Mode Shape, or an Operation Deflection Shape?*, Sound and Vibration, Vol. 31, pp. 54-61.

Romero, A., 2023, *Balafon, the Ancient Xylophone of West Africa*, [Pictures], <https://worldmusiccentral.org/2023/02/21/balafon-the-ancient-xylophone-of-west-africa/>, (online accessed 24 Januari 2024).

Satoto, M.R., 2022, *Fataji Susiadi, Seniman Pembuat Alat Musik Marimba dari Bantul*, <https://tatkala.co/2022/12/20/fataji-susiadi-seniman-pembuat-alat-musik-marimba-dari-bantul/>, (online accessed 1 Desember 2023).

Tzar, S., n.d, *Marimba*, [Pictures], <https://spatulatzar.com/marimba/>, (online accessed 25 Januari 2024).

Wegst, U.G.K., 2008, *Bamboo and Wood in Musical Instruments*, Annual Review of Materials Research, Volume 38, pp. 323 – 349.