

DAFTAR PUSTAKA

- [1] N.N, “Keputusan Menteri Tenaga Kerja Republik Indonesia Nomor: KEP.51/MEN/1999,” 1999.
- [2] N. Sugimoto and T. Horioka, “Dispersion characteristics of sound waves in a tunnel with an array of Helmholtz resonators,” *Acoustical Society of America*, vol. 97, pp. 1445–1447, Mar. 1994.
- [3] W. V. Slaton and A. Nishikawa, “Aeroacoustic response of coaxial wall-mounted Helmholtz resonators in a low-speed wind tunnel,” *J Acoust Soc Am*, vol. 137, no. 1, pp. 253–260, Jan. 2015, doi: 10.1121/1.4904521.
- [4] X.-M. Tan, H. Liu, Z.-G. Yang, J. Zhang, Z. Wang, and Y. Wu, “Characteristics and Mechanism Analysis of Aerodynamic Noise Sources for High-Speed Train in Tunnel,” *Complexity*, vol. 2018, no. 1, Jan. 2018, doi: 10.1155/2018/5858415.
- [5] Z. Laly, C. Mechefske, S. Ghinet, and K. Tenon Charly, *Sound absorption analysis of a metamaterial based on parallel dual Helmholtz resonators*. 2024.
- [6] S. Kumar, H. Jin, K. M. Lim, and H. P. Lee, “Comparative analysis of machine learning algorithms on prediction of the sound absorption coefficient for reconfigurable acoustic meta-absorbers,” *Applied Acoustics*, vol. 212, p. 109603, Sep. 2023, doi: 10.1016/j.apacoust.2023.109603.
- [7] P. J. Wibawa, N. F. Grafiana, and Gunawan, “Fabrication, characterization, and application of the water hyacinth biochar-polyvinyl alcohol composite as an advantageous sound absorber material,” *Discov Mater*, vol. 3, no. 1, p. 18, Jul. 2023, doi: 10.1007/s43939-023-00057-3.
- [8] H. Zhao, D. Zhao, and X. Dong, “Numerical investigation on acoustic damping characteristics of dual Helmholtz resonators in presence of a grazing flow,” *Journal of Low Frequency Noise, Vibration and Active Control*, vol. 43, no. 3, pp. 1172–1190, Sep. 2024, doi: 10.1177/14613484241238596.

- [9] D.-Q. Li, M.-Z. Yang, T.-T. Lin, S. Zhong, and P. Yang, "Mitigation Effect of Helmholtz Resonator on the Micro-Pressure Wave Amplitude of a 600-km/h Maglev Train Tunnel," *Applied Sciences*, vol. 13, no. 5, p. 3124, Feb. 2023, doi: 10.3390/app13053124.
- [10] R. F. Barron, *Industrial Noise Control and Acoustics*. Ruston, USA: Marcel Dekker, Inc, 2001.
- [11] S. K. Lokhande, V. B. Kale, and M. C. Jain, "Road tunnel noise: monitoring, prediction and evaluation of noise-induced hearing loss," *Environmental Science and Pollution Research*, vol. 30, no. 36, pp. 86338–86351, Jul. 2023, doi: 10.1007/s11356-023-28558-x.
- [12] W. Ren, Y. Zhang, M. Yuan, and J. Li, "Experimental Analysis of Noise Characteristics on Different Types of Pavements inside and outside Highway Tunnels," *Coatings*, vol. 14, no. 9, p. 1213, Sep. 2024, doi: 10.3390/coatings14091213.
- [13] X. Sagartzazu, L. Hervella-Nieto, and J. M. Pagalday, "Review in Sound Absorbing Materials," *Archives of Computational Methods in Engineering*, vol. 15, no. 3, pp. 311–342, Sep. 2008, doi: 10.1007/s11831-008-9022-1.
- [14] L. Cao, Q. Fu, Y. Si, B. Ding, and J. Yu, "Porous materials for sound absorption," *Composites Communications*, vol. 10, pp. 25–35, Dec. 2018, doi: 10.1016/J.COCO.2018.05.001.
- [15] C. CAI and C. M. MAK, "Noise attenuation capacity of a Helmholtz resonator," *Advances in Engineering Software*, vol. 116, pp. 60–66, Feb. 2018, doi: 10.1016/j.advengsoft.2017.12.003.
- [16] M. Farooqui, S. Mekid, M. Hawwa, A. Aliuddin, and A. Al-Hamoud, "Noise reduction in pipelines using Helmholtz resonators," *J Acoust Soc Am*, vol. 130, no. 4_Supplement, pp. 2565–2565, Oct. 2011, doi: 10.1121/1.3655274.
- [17] C. Pedro, C. Colina, E. Roibas, M. Chimeno, and F. Simon, "A wideband triple-layer microperforated panel sound absorber," *Compos Struct*, vol. 226, p. 111226, Apr. 2019, doi: 10.1016/j.compstruct.2019.111226.

- [18] J. Shi *et al.*, “Meta-microperforated-panels for ultrabroadband directional and omnidirectional sound absorption,” Apr. 2025. doi: 10.48550/arXiv.2501.07012.
- [19] J. Du, Y. Luo, X. Zhao, X. Sun, Y. Song, and X. Hu, “Bilayer ventilated labyrinthine metasurfaces with high sound absorption and tunable bandwidth,” *Sci Rep*, vol. 11, no. 1, p. 5829, Mar. 2021, doi: 10.1038/s41598-021-84986-0.

