



## DAFTAR PUSTAKA

- Abduljalil, A. S. (2012). *Investigation of thermoacoustic processes in a travelling-wave looped-tube thermoacoustic engine.* <https://api.semanticscholar.org/CorpusID:106770092>
- Abduljalil, A. S., Yu, Z., dan Jaworski, A. J. (2011). Selection and experimental evaluation of low-cost porous materials for regenerator applications in thermoacoustic engines. *Materials and Design*, 32, 217–228.
- Agarwal, H., Unni, V. R., Akhil, K. T., Ravi, N. T., Iqbal, S. Md., Sujith, R. I., dan Pesala, B. (2016). Compact standing wave thermoacoustic generator for power conversion applications. *Applied Acoustics*, 110, 110–118. <https://doi.org/10.1016/j.apacoust.2016.03.028>
- Atchley, A. (1994). Analysis of the initial buildup of oscillations in a thermoacoustic prime mover. *Journal of the Acoustical Society of America*, 95, 1661–1664. <https://doi.org/10.1121/1.408554>
- Chen, R., dan Garrett, S. L. (1998). Solar/heat-driven thermoacoustic engine. *Journal of the Acoustical Society of America*, 103, 2841–2841.
- Gardner, D. L., dan Howard, C. Q. (2009). *Waste-Heat-Driven Thermoacoustic Engine and Refrigerator.*
- Garrett, S. L. (2004). Resource Letter: TA-1: Thermoacoustic engines and refrigerators. *American Journal of Physics*, 72(1), 11–17. <https://doi.org/10.1119/1.1621034>
- Hamood, A., dan Jaworski, A. J. (2019). Experimental investigations of the performance of a thermoacoustic electricity generator. *E3S Web of Conferences*. <https://api.semanticscholar.org/CorpusID:204254547>
- Hao, X. H., Ju, Y. L., Behera, U., dan Kasthurirengan, S. (2011). Influence of working fluid on the performance of a standing-wave thermoacoustic prime mover. *Cryogenics*, 51(9), 559–561. <https://doi.org/10.1016/j.cryogenics.2011.07.004>
- Hirose, A., dan Lonngren, K. E. (1985). *Introduction to Wave Phenomena*. Wiley. <https://books.google.co.id/books?id=06jvAAAAMAAJ>
- Jacobs, J. (2014). *Design, construction and experimental observation of a thermoacoustic prime mover*, University Delft, Belanda. <https://api.semanticscholar.org/CorpusID:107583817>
- Jin, T., Huang, J., Feng, Y., Yang, R., Tang, K., dan Radebaugh, R. (2015). Thermoacoustic prime movers and refrigerators: Thermally powered engines without moving components. *Energy*, 93, 828–853. <https://doi.org/10.1016/j.energy.2015.09.005>
- Kisha, W., Riley, P. H., McKechnie, J., dan Hann, D. (2018). *The Influence of Heat Input Ratio on Electrical Power Output of a Dual-Core Travelling-*



*Wave Thermoacoustic Engine. Proceed. 8th Heat Powered Cycles Conference, 16-19 September, University of Bayreuth, Germany.  
<https://openaccess.city.ac.uk/id/eprint/21199>*

- Mehta, S. M., Desai, K. P., Naik, H. B., dan Atrey, M. D. (2011). *Design of Standing Wave Type Thermoacoustic Prime Mover for 300 Hz Operating Frequency. Journal Indian, Crycooler.*
- Murti, P., Widyaparaga, A., Setiawan, I., Utomo, A. B. S., dan Nohtomi, M. (2015). Pengaruh Jejari Hidrolik Stack terhadap Beda Suhu Onset pada Prime Mover Termoakustik Gelombang Berdiri. *Jurnal Fisika dan Aplikasinya, 16*(2).
- Normah, M. G., Irfan, A. R., Koh, K. S., Manet, A., dan Zaki, Ab. M. (2013). Investigation of a Portable Standing Wave Thermoacoustic Heat Engine. *5th BSME International Conference on Thermal Engineering, 56*, 829–834. <https://doi.org/10.1016/j.proeng.2013.03.203>
- Panhuis, P. (Peter) I. 'T. (2009). *Mathematical aspects of thermoacoustics.* <https://doi.org/10.6100/IR642908>
- Piccolo, A. (2018). Study of Standing-Wave Thermoacoustic Electricity Generators for Low-Power Applications. *Applied Sciences, 8*, 287.
- Putnam, A. A., dan Dennis, W. R. (1955). A Survey of Organ-Pipe Oscillations in Combustion Systems. *Journal of the Acoustical Society of America, 27*, 1014–1014.
- Rijke, P. L. (1859). LXXI. Notice of a new method of causing a vibration of the air contained in a tube open at both ends. *Philosophical Magazine Series 1, 17*, 419–422.
- Rott, N. (1980). Thermoacoustics. Dalam C.-S. Yih (Ed.), *Advances in Applied Mechanics* (Vol. 20, hlm. 135–175). Elsevier. [https://doi.org/10.1016/S0065-2156\(08\)70233-3](https://doi.org/10.1016/S0065-2156(08)70233-3)
- Saechan, P. (2014). *Application of thermoacoustic technologies for meeting the refrigeration needs of remote and rural communities in developing countries.* University of Leicester, Jerman. <https://api.semanticscholar.org/CorpusID:106905196>
- Sanz Ausín, D. (2014). *Experimental investigation of loudspeaker power requirements* [PhD Thesis, UPC, Escola Tècnica Superior d'Enginyeria Industrial de Barcelona]. <http://hdl.handle.net/2099.1/26644>
- Serway, R. A., dan Jewett, J. W. (2019). *Physics for Scientists and Engineers.* Cengage Learning. <https://books.google.co.id/books?id=4g9EDwAAQBAJ>
- Setiawan, I., Achmadin, W. N., Murti, P., dan Nohtomi, M. (2016). Experimental Study on a Standing Wave Thermoacoustic Prime Mover with Air Working Gas at Various Pressures. *Journal of Physics: Conference Series, 710.* <https://api.semanticscholar.org/CorpusID:111837940>



- Setiawan, I., Farikhah, I., dan Rahmawati, A. (2023). Construction and testing of small-scale thermoacoustic electricity generator with different heating power. *Thermal Science*.  
<https://api.semanticscholar.org/CorpusID:268284609>
- Setiawan, I., Katsuta, M., dan Nohtomi, M. (2013). *Numerical Study on the Effect of Working Gases on the Critical Temperature Difference of a Standing Wave Thermoacoustic Prime Mover*.
- Setiawan, I., Murti, P., Utomo, A. B. S., Achmadin, W. N., dan Nohtomi, M. (2015). *Pembuatan dan Pengujian Prime Mover Termoakustik Tipe Gelombang Tegak*. Prosiding Seminar Nasional Tahunan Teknik Mesin (SNTTM) XIV, Banjarmasin 7-8 Oktober 2015.
- Sondhauss, C. (1850). On Acoustic Oscillations of The Air in Heated Glass Tubes and in Closed Pipes of Non-Uniform Width. *Annalen der Physik*, 79, 1–34.
- Swift, G. W. (1992). Analysis and performance of a large thermoacoustic engine. *Journal of the Acoustical Society of America*, 92, 1551–1563.
- Tijani, M. E. H., Zeegers, J. C. H., dan Waele, A. T. A. M. de. (2002). Prandtl number and thermoacoustic refrigerators. *The Journal of the Acoustical Society of America*, 112 1, 134–143.
- Tipler, P. A. (1998). *Fisika untuk sains dan teknik*. Penerbit Erlangga.  
[https://books.google.co.id/books?id=HRuiduu\\_T\\_0C](https://books.google.co.id/books?id=HRuiduu_T_0C)
- Urip, T., Setiawan, I., dan Utomo, A. B. S. (2022). *Influence of pressure variation of air working gas on the onset temperature difference and electric power output of a standing wave thermoacoustic electricity generator*. AIP Conf. Proceed. 090028. <https://doi.org/10.1063/5.0072932>
- Yu, Z. B., Li, Q., Chen, X., Guo, F. Z., dan Xie, X. J. (2005). Experimental investigation on a thermoacoustic engine having a looped tube and resonator. *Cryogenics*, 45(8). *Journal of Science Direct*, 566–571.  
<https://doi.org/10.1016/j.cryogenics.2005.06.007>