

DAFTAR PUSTAKA

- [1] C. Q. Su, Z. Z. Wang, X. Liu, X. Xiong, T. Jiang, and Y. P. Wang, "Research on thermal comfort of commercial vehicle and economy of localized air conditioning system with thermoelectric coolers," *Energy Reports*, vol. 8, pp. 795–803, 2022, doi: 10.1016/j.egyr.2022.10.153.
- [2] M. Setiyo, B. Waluyo, N. Widodo, M. L. Rochman, S. Munahar, and S. D. Fatmaryanti, "Cooling effect and heat index (HI) assessment on car cabin cooler powered by solar panel in parked car," *Case Stud. Therm. Eng.*, vol. 28, no. August, p. 101386, 2021, doi: 10.1016/j.csite.2021.101386.
- [3] A. Sunawar and I. Garniwa, "Potential of hybrid thermoelectric and solar power energy to decrease temperature inside passenger car cabin," *2017 Int. Electr. Eng. Congr. iEECON 2017*, 2017, doi: 10.1109/IEECON.2017.8075784.
- [4] Z. He, Q. Yu, J. Ye, F. Yan, and Y. Li, "Optimization of plate-fin heat exchanger performance for heat dissipation of thermoelectric cooler," *Case Stud. Therm. Eng.*, vol. 53, no. July 2023, p. 103953, 2024, doi: 10.1016/j.csite.2023.103953.
- [5] F. Ramadhan, "Rancang Bangun Sistem Pendingin Sekunder Untuk Kabin Mobil Dengan Memanfaatkan Thermoelektrik (TEC)," *J. Tek. Mesin ITI*, vol. 3, no. 1, p. 18, 2019, doi: 10.31543/jtm.v3i1.244.
- [6] R. Sukarno, A. Premono, Y. Gunawan, and A. Wiyono, "Experimental study of thermoelectric cooling system for a parked car with solar energy," *J. Phys. Conf. Ser.*, vol. 2596, no. 1, 2023, doi: 10.1088/1742-6596/2596/1/012052.
- [7] N. G. Y. and D. R. B. S. R Sukarno, A A Maldini, R Musyaffa, "Preliminary study of the thermoelectric cooler and heat pipe application for the cooling system in cabin pickup car," *J. Phys. Conf. Ser.*, vol. Volume 286, [Online]. Available: <https://iopscience.iop.org/article/10.1088/1742-6596/286/1/012090>
- [8] T. D. Putra and N. Finahari, "Pengaruh Perubahan Temperatur Media Pendingin Pada Direct Evaporative Cooler," *Proton*, vol. 3, no. 1, pp. 1–5, 2011.
- [9] Prasaja B Pristisahida A Hudha M, "Prosiding Seminar Nasional Sains dan Teknologi ISSN 2964-5131," *Pros. Semin. Nas. Sains dan Teknol.*, vol. 12, pp. 499–504, 2022.
- [10] G. Heidarinejad, M. Bozorgmehr, S. Delfani, and J. Esmaelian, "Experimental investigation of two-stage indirect/direct evaporative cooling system in various climatic conditions," *Build. Environ.*, vol. 44, no. 10, pp. 2073–2079, 2009, doi: 10.1016/j.buildenv.2009.02.017.
- [11] A. Aziz, "Pengembangan Cold Storage Hemat Energi Sebagai Mesin Refrigerasi Hibrida Memanfaatkan Panas Buang Kondensor Pada Drying Room

- Menggunakan Refrigeran Hidrokarbon Subsitusi R-22,” no. December 2008, 2008, doi: 10.13140/RG.2.1.4776.7448.
- [12] V. P. Suresh Kumar, A. Baskaran, and K. Manikandan Subaramanian, “A performance study of Vapour compression refrigeration system using ZrO₂ Nano particle with R134a and R152a,” *Int. J. Sci. Res. Publ.*, vol. 6, no. 12, p. 410, 2016, [Online]. Available: www.ijsr.org
 - [13] B. Nurochman, E. Sukamto, and A. Rahardja, “Analisa Kinerja Sistem Absorption Chiller di Gedung Sanggar Ksatria Liema Bogor,” *Pros. 11th Ind. Res. Work. Natl. Semin.*, pp. 349–354, 2020.
 - [14] Y. Tang, D. Jin, Z. Wang, and F. Han, “The extreme high cooling capacity thermoelectric cooler optimal design for kilowatts scale thermoelectric air-conditioner of high-speed railway carriage,” *Energy Built Environ.*, no. November, 2023, doi: 10.1016/j.enbenv.2023.11.011.
 - [15] O. Abdulsalam, B. Santoso, and D. Aries, “Cooling Load Calculation and Thermal Modeling for Vehicle by MATLAB,” *Int. J. Innov. Res. Sci. Eng. Technol.*, vol. 3297, no. 5, pp. 3052–3060, 2007, doi: 10.15680/IJIRSET.2015.0405076.
 - [16] S. Muljati, A. Triwinarto, N. Utami, and H. Hermina, “Gambaran Median Tinggi Badan Dan Berat Badan Menurut Kelompok Umur Pada Penduduk Indonesia Yang Sehat Berdasarkan Hasil Riskesdas 2013,” *Penelit. Gizi dan Makanan (The J. Nutr. Food Res.)*, vol. 39, no. 2, pp. 137–144, 2017, doi: 10.22435/pgm.v39i2.5723.137-144.
 - [17] G. Paliaga *et al.*, “Thermal environmental conditions for human occupancy,” *ASHRAE Stand.*, vol. 8400, no. 55, 2013.
 - [18] J. K. Vaghela and R. G. Kapadia, “The load calculation of automobile air conditioning system,” *Int. J. Eng. Dev. Res.*, vol. 2, no. 1, pp. 97–109, 2014.
 - [19] Y. Zhao *et al.*, “Thermoelectric performance of an exhaust waste heat recovery system based on intermediate fluid under different cooling methods,” *Case Stud. Therm. Eng.*, vol. 23, no. August 2020, p. 100811, 2021, doi: 10.1016/j.csite.2020.100811.
 - [20] T. Ming, S. Chen, Y. Yan, T. Gong, J. Wan, and Y. Wu, “The simulated cooling performance of a thin-film thermoelectric cooler with coupled-thermoelements connected in parallel,” *Heliyon*, vol. 8, no. 8, p. e10025, 2022, doi: 10.1016/j.heliyon.2022.e10025.
 - [21] J. Hungerford, “Water Condensation Reclamation, Re-use, and Humidity Control within Aquaponics Greenhouse Environments Utilizing Solar Powered Thermoelectric Cooling,” no. November, 2015, [Online]. Available: [https://www.researchgate.net/publication/309652408_Water_Condensation_Re-](https://www.researchgate.net/publication/309652408_Water_Condensation_Reclamation_Re-)

use_and_Humidity_Control_within_Aquaponics_Greenhouse_Environments_Utilizing_Solar_Powered_Thermoelectric_Cooling

- [22] A. C. Sulaiman, N. A. M. Amin, M. H. Basha, M. S. A. Majid, N. F. B. M. Nasir, and I. Zaman, “Cooling Performance of Thermoelectric Cooling (TEC) and Applications: A review,” *MATEC Web Conf.*, vol. 225, pp. 1–10, 2018, doi: 10.1051/matecconf/201822503021.
- [23] S. Baru and S. Bhatia, “A review on thermoelectric cooling technology and its applications,” *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 912, no. 4, 2020, doi: 10.1088/1757-899X/912/4/042004.
- [24] M. K. Shilpa, M. A. Raheman, A. Aabid, M. Baig, R. K. Veerasha, and N. Kudva, “A Systematic Review of Thermoelectric Peltier Devices: Applications and Limitations,” *Fluid Dyn. Mater. Process.*, vol. 19, no. 1, pp. 187–206, 2022, doi: 10.32604/fdmp.2022.020351.
- [25] A. Md. Yusop, R. Mohamed, A. Mohamed, and N. I. Nordin, “Behavioral Analysis of Thermoelectric Module under Different Configurations and Temperature Gradient,” *J. Kejuruter.*, vol. 28, no. 1, pp. 19–27, 2016, doi: 10.17576/jkukm-2016-28-03.
- [26] I. N. Suryana, I. N. Suarnadwipa, and H. Wijaksana, “Studi Eksperimental Performansi Pendingin Evaporative Portable Dengan Pad Berbahan Spon Dengan Ketebalan Berbeda,” *J. Ilm. Tek. DESAIN Mek.*, vol. 1, no. 1, pp. 65–70, 2014.
- [27] O. Amer, R. Boukhanouf, and H. G. Ibrahim, “A Review of Evaporative Cooling Technologies,” *Int. J. Environ. Sci. Dev.*, vol. 6, no. 2, pp. 111–117, 2015, doi: 10.7763/ijesd.2015.v6.571.
- [28] M. C. Ndukwu, M. I. Ibeh, E. C. Ugwu, D. O. Igbojionu, A. A. Ahiakwo, and H. Wu, “Evaluating coefficient of performance and rate of moisture loss of some biomass humidifiers materials with a developed simple direct stand-alone evaporative cooling system for farmers,” *Energy Nexus*, vol. 8, no. August, p. 100146, 2022, doi: 10.1016/j.nexus.2022.100146.
- [29] R. Boukhanouf, H. G. Ibrahim, A. Alharbi, and M. Kanzari, “Investigation of an Evaporative Cooler for Buildings in Hot and Dry Climates,” *J. Clean Energy Technol.*, no. December, pp. 221–225, 2014, doi: 10.7763/jocet.2014.v2.127.
- [30] Q. Chen *et al.*, “Experimental study of a sustainable cooling process hybridizing indirect evaporative cooling and mechanical vapor compression,” *Energy Reports*, vol. 8, pp. 7945–7956, 2022, doi: 10.1016/j.egyr.2022.06.019.
- [31] Y. A. Çengel and J. M. Cimbala, “Fluid Mechanics : Fundamentals and Applications Second Edition Chapter 13 OPEN-CHANNEL FLOW,” pp. 1–98, 2010.

- [32] B. Porumb, M. Bălan, and R. Porumb, “Potential of Indirect Evaporative Cooling to Reduce the Energy Consumption in Fresh Air Conditioning Applications,” *Energy Procedia*, vol. 85, no. November 2015, pp. 433–441, 2016, doi: 10.1016/j.egypro.2015.12.224.
- [33] A. D. Soewono, N. Viriya, L. Andreas, H. Gunawan, and M. Darmawan, “Rancang Bangun Sistem Pendingin Evaporatif Berbasis Penyemprotan Air Untuk Meningkatkan Performa Air Conditioner,” *G-Tech J. Teknol. Terap.*, vol. 7, no. 3, pp. 995–1004, 2023, doi: 10.33379/gtech.v7i3.2673.
- [34] M. Ahmad *et al.*, “Experimental and parametric sensitivity analysis of a novel indirect evaporative cooler for greener cooling,” *Therm. Sci. Eng. Prog.*, vol. 42, no. April, p. 101887, 2023, doi: 10.1016/j.tsep.2023.101887.
- [35] J. M. Rey-herna, A. M. Blanco-marigorta, and A. Tejero-gonza, “Exergy analysis of two indirect evaporative cooling experimental prototypes,” pp. 4359–4369, 2022, doi: 10.1016/j.aej.2021.09.065.
- [36] R. Sukarno, A. Premono, Y. Gunawan, A. Wiyono, and A. Lubi, “Experimental Investigation of Using Thermoelectric Coolers under Different Cooling Methods as An Alternative Air Conditioning System for Car Cabin,” vol. 7, no. 2, pp. 284–298, 2024.
- [37] A. C. PARTAHI OLOAN, M. Muslim, and A. Buwono, “Analisa Coeficient of Performance (COP) Pada Mesin Pendingin Pembuat Ice Slurry,” *Teknobiz J. Ilm. Progr. Stud. Magister Tek. Mesin*, vol. 13, no. 3, pp. 187–194, 2023, doi: 10.35814/teknobiz.v13i3.5834.
- [38] T. Istanto, W. Endra, and T. Febrina, “Analisis Ketakpastian Pengukuran (Uncertainty Measurement) Pada Pengujian Karakteristik Aliran Fasa Tunggal Aliran Air Vertikal Ke Bawah Pada Penukar Kalor Saluran Annular Bercelah Sempit,” *Mekanika*, vol. Volume 9 N, no. September, pp. 219–225, 2010.
- [39] A. Al-Zahrani, “Investigating New Environmentally Friendly Zeotropic Refrigerants as Possible Replacements for Carbon Dioxide (CO₂) in Car Air Conditioners,” *Sustain.*, vol. 16, no. 1, 2024, doi: 10.3390/su16010358.
- [40] S. Vasta, “Adsorption Air-Conditioning for Automotive Applications: A Critical Review,” *Energies*, vol. 16, no. 14, 2023, doi: 10.3390/en16145382.
- [41] B. Givoni, “Evaporative Cooling Systems,” *Passiv. Low Energy Cool. Build.*, no. 4, p. 272, 1994.
- [42] Y. Zhou, Z. Yan, M. Gao, Q. Dai, and Y. Yu, “Numerical investigation of a novel plate-fin indirect evaporative cooling system considering condensation,” *Processes*, vol. 9, no. 2, pp. 1–12, 2021, doi: 10.3390/pr9020332.