

DAFTAR PUSTAKA

- [1] K. Pertanian, "Outlook Komoditas Peternakan," *Pus. Data dan Sist. Inf. Pertan.*, hal. 64, 2022.
- [2] D. Lourençoni, D. C. T. C. De Brito, P. T. L. De Oliveira, S. H. N. Turco, dan J. S. Cunha, "FUZZY CONTROLLER APPLIED TO TEMPERATURE ADJUSTMENT IN INCUBATION OF FREE-RANGE EGGS Temperature variation in egg incubation can negatively affect the hatching time and weight gain of chicks , hence improving the incubator temperature accuracy can improve," vol. 4430, 2022.
- [3] H. Rasyidi, "Smart and Adaptive Incubator Dengan Teknologi Pemanas Hemat Energi," *J. Inform. dan Tek. Elektro Terap.*, vol. 13, no. 3, hal. 690–696, 2025, doi: 10.23960/jitet.v13i3.6943.
- [4] S. Özlü, O. Elibol, dan J. Brake, "Effect of storage temperature fluctuation on embryonic development and mortality, and hatchability of broiler hatching eggs1," *Poult. Sci.*, vol. 97, no. 11, hal. 3878–3883, 2018, doi: 10.3382/ps/pey253.
- [5] M. Rahman, N. Mohammad, dan R. Barua, "Experimental Design of an Energy-Saving Egg Incubator System Using Fuzzy-PID Controller," no. Gabriel 2019, hal. 502–513, 2025.
- [6] Y. Thio, B. E. B. Bi, E. P. M. Koffi, dan P. Gbaha, "Experimental Study of a Solar Thermal Incubator Using a Phase-Change Material for Off-Grid Use," *Open J. Appl. Sci.*, vol. 14, no. 09, hal. 2471–2481, 2024, doi: 10.4236/ojapps.2024.149163.
- [7] P. Z. Sulley, M. T. Maagi, B. Kichonge, dan Y. A. Chande Jande, "Hybrid solar/LPG systems: Enhancing poultry egg incubation with beeswax thermal energy storage," *AIP Adv.*, vol. 15, no. 3, hal. 1–10, 2025, doi: 10.1063/5.0244704.
- [8] E. O. Uzodinma, O. Ojike, U. J. Etoamaihe, dan W. I. Okonkwo, "Performance study of a solar poultry egg incubator with phase change heat storage subsystem," *Case Stud. Therm. Eng.*, vol. 18, no. January, hal. 4–

- 10, 2020, doi: 10.1016/j.csite.2020.100593.
- [9] T. Barz, “Paraffins as phase change material in a compact plate-fin heat exchanger - Part II: Validation of the ‘curve scale’ hysteresis model for incomplete phase transitions,” *J. Energy Storage*, vol. 34, 2021, doi: 10.1016/j.est.2020.102164.
- [10] J. Yang *dkk.*, “Experimental Investigation of a Phase Change Material Charged Finned-Tube Heat Exchanger Center for Environmental Energy Engineering Department of Mechanical Engineering , University of Maryland,” no. 2020, hal. 1–10, 2022.
- [11] X. Dong dan C. Zhu, “Research on the Heat Transfer Performance of Phase Change Heat Storage Heat Exchanger Based on Heat Transfer Optimization,” *Energies*, vol. 17, no. 16, 2024, doi: 10.3390/en17164150.
- [12] A. Reza Vakhshouri, “Paraffin as Phase Change Material,” *Paraffin - an Overv.*, 2020, doi: 10.5772/intechopen.90487.
- [13] J. Skovajsa, M. Koláček, dan M. Zálešák, “Phase change material based accumulation panels in combination with renewable energy sources and thermoelectric cooling,” *Energies*, vol. 10, no. 2, 2017, doi: 10.3390/en10020152.
- [14] “No Title.” Diakses: 26 November 2025. [Daring]. Tersedia pada: <https://anandhastationery.in/product/paraffin-wax-pellets-500gms/>
- [15] E. Erkizia *dkk.*, “Study of paraffinic and biobased microencapsulated PCMs with reduced graphene oxide as thermal energy storage elements in cement-based materials for building applications,” *J. Energy Storage*, vol. 84, no. PB, hal. 110675, 2024, doi: 10.1016/j.est.2024.110675.
- [16] Y. A. ÇENGEL, *THERMODYNAMICS AN ENGINEERING APPROACH*.
- [17] M. J. Moran, *Fundamentals of Engineering Thermodynamics*.
- [18] Kenya Swawikanti, “Belajar Prinsip dan Hukum Termodinamika dari Termos | Fisika Kelas 11.” Diakses: 1 Juli 2026. [Daring]. Tersedia pada:

<https://www.ruangguru.com/blog/hukum-dan-prinsip-termodinamika>

- [19] F. Kreith, *Prinsip-Prinsip Perpindahan Panas*, 3 ed. Jakarta: Erlangga, 1997.
- [20] A. Kumar dan S. K. Shukla, "A Review on Thermal Energy Storage Unit for Solar Thermal Power Plant Application," *Energy Procedia*, vol. 74, hal. 462–469, 2015, doi: 10.1016/j.egypro.2015.07.728.
- [21] R. K. Shah dan D. P. Sekulić, *Selection of Heat Exchangers and Their Components*. 2003. doi: 10.1002/9780470172605.ch10.
- [22] E. Martin, "Inkubator Telur: Jenis, Keuntungan, dan Teknik Operasional dalam Peternakan Hewan yang Dilindungi." Diakses: 26 November 2025. [Daring]. Tersedia pada: https://insights.made-in-china.com/id/Egg-Incubators-Varieties-Advantages-and-Operational-Techniques-in-Protected-Animal-Husbandry_AGgfpMaXuElK.html
- [23] R. Seto, "MENGENAL BERBAGAI MACAM MESIN TETAS TELUR." Diakses: 26 November 2025. [Daring]. Tersedia pada: <https://www.majalahinfovet.com/2018/03/mengenal-berbagai-macam-mesin-tetas.html>
- [24] "No Title." Diakses: 26 November 2025. [Daring]. Tersedia pada: <https://www.indiamart.com/proddetail/finned-tube-heat-exchanger-11904915430.html?srsltid=AfmBOopcZvMqjabHcnTtolyAhcYhIjWBwxGasF2yfLTJ5s3F2xkw4c2e>
- [25] "No Title." Diakses: 26 November 2025. [Daring]. Tersedia pada: <https://www.ubuy.co.id/id/product/T3DAYL7E-travel-portable-electric-water-heater-immersion-boiler-element-110v-1000w-by-shg?srsltid=AfmBOoqSoev0LF5rww4n7tM0bSjDAd0b3k5Zq4ABldEBfXYdHHsovWsc>
- [26] "No Title." Diakses: 1 Juli 2026. [Daring]. Tersedia pada: <https://taffware.com/product/taffware-pompa-air-aquarium-ikan-submersible-pump-fish-tank-12v-22w-12v5m-black/>

- [27] “No Title.” Diakses: 1 Juli 2026. [Daring]. Tersedia pada: <https://shopee.co.id/Bohlam-Pijar-PIOLINE-5Watt-5-Watt-Lampu-Pijar-PIOLINE-5W-Super-Hyper-5-PS55-cocok-untuk-budidaya-telur-ayam-i.204451772.22386450300>
- [28] “No Title.” Diakses: 1 Juli 2026. [Daring]. Tersedia pada: <https://shopee.co.id/Mist-Maker-Donat-Ultrasonic-Air-Donuts-Humidifier-Aromatherapy-Oil-Diffuser-Portable-Celup-i.18871792.23461111115>
- [29] “No Title.” Diakses: 26 November 2025. [Daring]. Tersedia pada: <https://www.monotaro.id/s032431179.html>
- [30] “No Title.” Diakses: 1 Juli 2026. [Daring]. Tersedia pada: <https://www.amazon.com/ARTIBETTER-Portable-Table-Floor-Office/dp/B0CQJ4N9S6>
- [31] “No Title.” Diakses: 1 Juli 2026. [Daring]. Tersedia pada: <https://www.amazon.eg/-/en/STC3028-Digital-Thermostat-Temperature-Humidity/dp/B0CD4G51JR>
- [32] “No Title.” Diakses: 26 November 2025. [Daring]. Tersedia pada: https://shopee.co.id/product/291836480/8713410749?gads_t_sig=VTJGc2RHVmtYMTlxTFVSVVRrdENkVzBLS2xuUGZzMlQ5NjlFWklmRkZjVDl4WjRMdWQxMENaazNudEw2bExWZ1pRZ3Q4TXV1cS9hbFE4UmRSUVVNYK245VFJ1NDd0V2JRU2lsWC9GM1dNRzNXL2k1QkhmTmh1UG9oS0VuM29vaUg&gad_source=1&gad_campaign