

DAFTAR PUSTAKA

- [1] “2024 marks hottest year in Indonesia’s history.” Accessed: Sep. 08, 2025. Available: <https://theinvestor.vn/2024-marks-hottest-year-in-indonesias-history-d14049.html?utm>
- [2] “Rata-rata Suhu Indonesia | 1901-2024 Data | 2025-2027 Perkiraan.” Accessed: Sep. 08, 2025. Available: <https://id.tradingeconomics.com/indonesia/temperature>
- [3] “Analisis Suhu Udara dan Kelembapan Relatif Bulan Januari 2024 – Stasiun Klimatologi Sumatera Selatan.” Accessed: Sep. 16, 2025. [Online]. Available: <https://staklim-sumsel.bmkg.go.id/analisis-suhu-udara-dan-kelembapan-relatif-bulan-januari-2024-2/?utm>
- [4] M. Faizal and R. Saputra, “Perancangan Ulang Sistem Hvac Pada Gedung Perkantoran X Di Jakarta Dengan Metode CLTD,” 2016.
- [5] International Energy Agency (Iea), “Global Air Conditioner Stock, 1990-2050.” Accessed: Sep. 08, 2025. [Online]. Available: <https://www.iea.org/data-and-statistics/charts/global-air-conditioner-stock-1990-2050>
- [6] International Energy Agency (IEA), “The Future of Cooling Opportunities for energy-efficient air conditioning <https://iea.blob.core.windows.net/assets/0bb45525-277f-4c9c-8d0c-9c0cb5e7d525/The_Future_of_Cooling.pdf>,” p. 92, 2018.
- [7] A. Pramudhita and R. Hermawan, “Perancangan Sistem Tata Udara Pada Ruang Nicu Di Lantai 3 Rumah Sakit ‘X,’” *JTT (Jurnal Teknologi Terapan)*, vol. 6, no. 2, pp. 125–135, Oct. 2020, doi: 10.31884/JTT.V6I2.272.
- [8] Kementerian Kesehatan Republik Indonesia, Peraturan Menteri Kesehatan Republik Indonesia Nomor 40 Tahun 2022. 2022.
- [9] “Website Resmi | RS Universitas Andalas.” Accessed: Sep. 15, 2025. [Online]. Available: <http://rsp.unand.ac.id/>

- [10] D. Gilang Shah Putra Rahim *et al.*, “Efektifitas Biaya Di Neonatal Intensive Care Unit (NICU): Sebuah Scoping Review,” vol. 12, no. 4, p. 2023.
- [11] “HVAC | System, Description, & Facts | Britannica.” Accessed: Sep. 11, 2025. [Online].
Available: <https://www.britannica.com/technology/HVAC>
- [12] B. & Harriman and Kittler, “Basics 1. Purpose, Assumptions & Terminology 2. Humidity Control Basics 3. Psychrometrics of Humidity Control,” *United States Environmental Protection Agency*, 2021, Accessed: Sep. 11, 2025. [Online]. Available: <https://www.epa.gov/iaq-schools/heating-ventilation-and-air-conditioning-systems-part-Indoor-air-quality-design-tools>
- [13] “Sistem Tata Udara HVAC di Industri Farmasi | PT Central Coolindo Lestari.” Accessed: Sep. 12, 2025. [Online]. Available: <https://www.centralcoolindo.co.id/artikel/sistem-tata-udara-hvac-di-industri-farmasi/>
- [14] F. Calise, F. L. Cappiello, L. Cimmino, M. Dentice d’Accadia, and M. Vicidomini, “A Novel Capacitive Model of Radiators for Building Dynamic Simulations,” *Thermo*, vol. 5, no. 1, Mar. 2025, doi: 10.3390/thermo5010009.
- [15] F. Shoukry, R. Raafat, K. Tarabieh, and S. Goubran, “Indoor Air Quality and Ventilation Energy in University Classrooms: Simplified Model to Predict Trade-Offs and Synergies,” *Sustainability (Switzerland)*, vol. 16, no. 7, Apr. 2024, doi: 10.3390/su16072719.
- [16] M. A. Jabbar, S. Junaid Uddin, M. N. Alam, N. Shah, and A. Khan, “HVAC System Operation: Enhancing Energy Efficiency and Reducing Costs,” *Journal of Science and Technology*, vol. 7, no. 10, pp. 191–208, 2022, doi: 10.46243/jst.2022.v07.i10.pp191-208.
- [17] A. Ramli Rasyid, “Analisis Unjuk Kerja (COP) Mesin Pendingin Hibrid dengan Menggunakan Refrigeran R-22.”
- [18] “Thermodynamics - An Engineering Approach_ 5Th Cengel Boles”.

- [19] X. Zhu and H. Li, "Heating, Ventilation, and Air Conditioning (HVAC) Temperature and Humidity Control Optimization Based on Large Language Models (LLMs)," *Energies (Basel)*., vol. 18, no. 7, Apr. 2025, doi: 10.3390/en18071813.
- [20] "Mengenal Apa Itu Sistem HVAC Gedung dan Cara Kerjanya - PT Eticon Rekayasa Teknik." Accessed: Sep. 12, 2025. [Online]. Available: <https://eticon.co.id/sistem-hvac-gedung/>
- [21] Y. Wang and J. Yan, "Study of Performance Changes in Centrifugal Compressors Working in Different Refrigerants," *Energies* , vol. 17, no. 11, Jun. 2024, doi: 10.3390/en17112784.
- [22] "Bongkar Rahasia Kompresor AC! Inilah Cara Membuat Pendingin Udara Rumahmu Tetap Dingin Tanpa Repot! - Hukama News." Accessed: Sep. 13, 2025. [Online]. Available: <https://www.hukamanews.com/teknologi/46013649381/bongkar-rahasia-kompresor-ac-inilah-cara-membuat-pendingin-udara-rumahmu-tetap-dingin-tanpa-repot>
- [23] N. Ghadimi, M. Ghiasi, and M. Dehghani, "Guest Editorial: Special Issue on Cyber-Physical Security," *Energy Reports*, vol. 9, pp. 969–970, Dec. 2023, doi: 10.1016/J.EGYR.2022.12.045.
- [24] "Kondensor AC Adalah, Fungsi, dan Harganya - AIO Store." Accessed: Sep. 13, 2025. [Online]. Available: <https://aiostore.co.id/blog/kondensor-ac-adalah-fungsi-dan-harganya/>
- [25] S. Saran *et al.*, "Heating, ventilation and air conditioning (HVAC) in intensive care unit", doi: 10.1186/s13054-020-02907-5.
- [26] "Thermal Expansion Valve | Classic Auto Air." Accessed: Sep. 13, 2025. [Online]. Available: https://www.classicautoair.com/thermal-expansion-valves/?srsltid=AfmBOoqGwi44PZnCDsJiFK_vn7nWRRVdS57RojIA351-tbF_a_jpO5E5
- [27] "Apa Itu Evaporator AC? Fungsi dan Cara Kerjanya pada Pendingin - Tips dan Informasi AC." Accessed: Sep. 13, 2025. [Online].

- Available: <https://www.abangbenerin.com/blog/apa-itu-evaporator-ac-fungsi-dan-cara-kerjanya-pada-pendingin/>
- [28] “HVAC centrifugal air blower fan.” Accessed: Sep. 13, 2025. [Online]. Available: <http://sn.lionkingfan.com/hvac-centrifugal-air-blower-fan-product/>
- [29] “Jual Saringan Debu Udara AHU HVAC FCU G 4 MERV 6-8 Air Pre Filter Cassette Harga Murah 2025.” Accessed: Sep. 13, 2025. [Online]. Available: <https://www.kucari.com/product/saringan-debu-udara-ahu-hvac-fcu-g-4-merv-6-8-air-pre-filter-cassette/?srsltid=AfmBOoqvXeFokGFudoqXU3oHEhPqLmB1XqiaRo7n3zyqsit5Wb8OY2dB>
- [30] “HVAC Coils 101: What Are Coils, Anyway? - Jewell Mechanical.” Accessed: Sep. 13, 2025. [Online]. Available: <https://jewellmechanical.com/hvac-coils-101-coils-anyway/>
- [31] “Pros and Cons of the 4 Types of Ductwork For Your Home.” Accessed: Sep. 13, 2025. [Online]. Available: <https://www.robertbpayne.com/blog/pros-and-cons-of-the-4-types-of-ductwork-for-your-home/>
- [32] M. A. Jabbar, S. Junaid Uddin, M. N. Alam, N. Shah, and A. Khan, “HVAC System Operation: Enhancing Energy Efficiency and Reducing Costs,” *Journal of Science and Technology*, vol. 7, no. 10, pp. 191–208, 2022, doi: 10.46243/jst.2022.v07.i10.pp191-208.
- [33] A. Lešinskis, U. Strauts, M. Metāls, R. Millers, and V. Afoņičevs, “Ventilation and air conditioning design approach based on ASHRAE psychrometric chart and Mollier diagram,” *Front. Built Environ.*, vol. 10, p. 1372288, Mar. 2024, doi: 10.3389/FBUIL.2024.1372288/BIBTEX.
- [34] “Online Interactive Psychrometric Chart.” Accessed: Sep. 21, 2025. [Online]. Available: <https://www.flycarpet.net/en/psyonline>
- [35] Badan Standardisasi Nasional (BSN), “SNI 6390:2011 – Konservasi Energi Sistem Tata Udara pada Bangunan Gedung,” 2011.

- [36] *Thermodynamics An Engineering Approach 9e By Yunus Çengel.pdf* - shared with FileRun. Accessed: Sep. 21, 2025. [Online]. Available: <https://freelib.pk/wl/?id=wvxyScYy6Vq46yCJJg1TtkpBCh7msWal&mode=grid>

