DAFTAR PUSTAKA

[1] Riyanti, “Jurnal Ilmiah Peternakan Terpadu,” *J. Ilm. Peternak. Terpadu*, vol. 3, no. 2, pp. 590–607, 2025, [Online]. Available: https://jurnal.fp.unila.ac.id/index.php/JIPT/article/view/5507/3811#page=11

[2] S. H. Ana Rohmatul Laili1 * , Ratna Damayanti2 , Boedi Setiawan3, “Journal of Applied Veterinary Science and Tecnology Comparison of Broiler Performance in Closed House and Open,” *J. Appl. Vet. Sci. Technol. 03*, vol. 03, pp. 6–11, 2022, doi: 10.20473/javest.V3.01.2022.6-11.

[3] T. Prihatiningsih, R. F. Hidayah, D. I. Handayani, and N. Hikmah, “Evaluation of the Performance of Automatic Temperature Control Technology in a Closed House Broiler Chicken Production System,” *J. Ind. Eng. Halal Ind.*, vol. 5, no. 2, pp. 24–31, 2024.

[4] Z. Lillahulhaq, W. A. Widodo, Sutardi, L. Hakim, and A. Nugroho, “Improving poultry system in close house cage through advanced HVAC design: A review of evaporative cooling pads and energy efficiency in broiler cages,” *Mech. Eng. Soc. Ind.*, vol. 4, no. 3 Special_Issue, pp. 368–387, 2024, doi: 10.31603/mesi.12689.

[5] J. Liu, J. Li, X. Liu, C. Liu, G. Liu, and Z. Xu, “Adaptive fuzzy controller design for an air handling unit,” *Eur. J. Control*, vol. 79, p. 101085, Sep. 2024, doi: 10.1016/j.ejcon.2024.101085.

[6] S.-R. Mohseni, M. J. Zeitouni, A. Parvaresh, S. Abrazeh, M. Gheisarnejad, and M.-H. Khooban, “FMI real-time co-simulation-based machine deep learning control of HVAC systems in smart buildings: Digital-twins technology,” *Trans. Inst. Meas. Control*, vol. 45, no. 4, pp. 661–673, Feb. 2023, doi: 10.1177/01423312221119635.

[7] S. Handoko and B. Winardi, “Comparison of Conventional and Adaptive Hysteresis Current Control Methods for Power Quality Improvement using Active Filters,” *Adv. Sustain. Sci. Eng. Technol.*, vol. 7, no. 4, pp. 1–15, 2025, doi: 10.26877/asset.v7i4.1981.

[8] A. W. Aditya, R. M. Utomo, N. R. Alham, and H. Hilmansyah, “The Industrial IoT Control Design of Three Phase Induction Motor using Conventional V/F Method,” *Elkha*, vol. 15, no. 1, p. 67, 2023, doi: 10.26418/elkha.v15i1.63817.

[9] Rofi Nur Andriansyah, Misbah Misbah, and Rini Puji Astutik, “Rancang Bangun Sistem Sentral Kontrol Kandang Ayam Close House Berbasis Arduino Dan Haiwell Cloud Scada,” *Mars J. Tek. Mesin, Ind. Elektro Dan Ilmu Komput.*, vol. 2, no. 6, pp. 90–111, 2024, doi: 10.61132/mars.v2i6.516.

[10] I. Lahlouh, F. Rerhrhaye, A. Elakkary, and N. Sefiani, “Experimental implementation of a new multi input multi output fuzzy-PID controller in a poultry house system,” *Heliyon*, vol. 6, no. 8, p. e04645, 2020, doi: 10.1016/j.heliyon.2020.e04645.

[11] Y. S. Chang and L. Y. Tu, “Use of IoT Sensors to Build an Intelligent Monitoring and Control System for Poultry House Environment,” *Sensors Mater.*, vol. 35, no. 1–12, pp. 3997–4012, 2023, doi: 10.18494/SAM4582.

[12] K. Winarso, A. Dafid, and M. Maghfuri, “Smart Chicken Farm Monitoring and Internet of Things-Based Automation System,” *Int. J. Sci. Eng. Inf. Technol.*, vol. 06, no. 02, 2022, [Online]. Available: https://journal.trunojoyo.ac.id/ijseit%0ASMART

[13] X. Li, S. Lin, J. Zhang, and T. Zhao, “Model parameter identification of indoor temperature lag characteristic based on hysteresis relay feedback control in VAV systems,” *J. Build. Eng.*, vol. 25, p. 100839, Sep. 2019, doi: 10.1016/j.jobe.2019.100839.

[14] J. Zakaria, N. F. D. Rifianda, T. Widjastuti, Mansyur, and M. N. Hanifah, “The Effect of Broiler Chickens Closed-House Farm Density on Microclimate,” *J. Ilmu Ternak Univ. Padjadjaran*, vol. 24, no. 1, pp. 80–86, 2024, doi: 10.24198/jit.v24i1.52818.

[15] H. Wahyuningrum, L. D. Mahfudz, and R. Muryani, “Macroclimate at Different Altitudes on Changes in Microclimates in a Closed House,” *J. Sain Peternak. Indones.*, vol. 17, no. 2, pp. 126–133, 2022, doi: 10.31186/jspi.id.17.2.126-133.

[16] L. Gao, M. Er, L. Li, P. Wen, Y. Jia, and L. Huo, “Microclimate environment model construction and control strategy of enclosed laying brooder house,” *Poult. Sci.*, vol. 101, no. 6, p. 101843, 2022, doi: 10.1016/j.psj.2022.101843.

[17] L. Li, M. Li, Y. Yu, Y. Jia, Z. Qian, and Z. Xie, “Modeling and Regulation of Dynamic Temperature for Layer Houses Under Combined Positive- and

Negative-Pressure Ventilation," *Animals*, vol. 14, no. 21, p. 3055, Oct. 2024, doi: 10.3390/ani14213055.

[18] F. Syafar, M. Anwar, and R. Anon, "Smart Chicken Poultry Farm Using IoT Techniques," *Int. J. New Technol. Res.*, vol. 7, no. 10, Nov. 2021, doi: 10.31871/IJNTR.7.10.11.

[19] M. C. Lorencena, L. F. P. Southier, D. Casanova, R. Ribeiro, and M. Teixeira, "A framework for modelling, control and supervision of poultry farming," *Int. J. Prod. Res.*, vol. 58, no. 10, pp. 3164–3179, May 2020, doi: 10.1080/00207543.2019.1630768.

[20] A. Reiter *et al.*, "Exploring the effects of aging, temperature and hysteresis on the entropy variation of lithium-ion batteries," *J. Energy Storage*, vol. 140, p. 118897, Dec. 2025, doi: 10.1016/j.est.2025.118897.

[21] A. Afram and F. Janabi-Sharifi, "Effects of dead-band and set-point settings of on/off controllers on the energy consumption and equipment switching frequency of a residential HVAC system," *J. Process Control*, vol. 47, pp. 161–174, Nov. 2016, doi: 10.1016/j.jprocont.2016.09.009.

[22] D. C. Permatasari, B. Setiawan, and A. D. W. Sumari, "Hopper temperature control for 3D printing extruder using hysteresis method to optimize the flowing of plastic pellets," 2023, p. 050004. doi: 10.1063/5.0138195.

[23] S. Lee, "Multi-residential Heating, Ventilation and Air Conditioning Control Based on Deep Reinforcement Learning," *Sensors Mater.*, vol. 36, no. 9, pp. 3917–3931, 2024, doi: 10.18494/SAM5183.

[24] S. Uma, N. Swetha, S. Vaishaly, and M. Varshini, "Poultry Climate Control : Designing an Affordable Automated System for Optimal Temperature Regulation Abstract :," vol. 8, no. 3, pp. 5374–5381, 2025.

[25] L. Zhang, J. Ma, and A. Khadka, "Adaptive Environmental Control System for Large-Scale Poultry Houses Based on Multif-LSTM," *J. Intell. Syst. Control*, vol. 3, no. 3, pp. 174–185, 2024, doi: 10.56578/jisc030304.

[26] A. Costantino, E. Fabrizio, A. Ghiggini, and M. Bariani, "Climate control in broiler houses: A thermal model for the calculation of the energy use and indoor environmental conditions," *Energy Build.*, vol. 169, pp. 110–126, Jun. 2018, doi: 10.1016/j.enbuild.2018.03.056.

[27] Ikechukwu Innocent Umeh and Kobimdi Cordelia Umeh, “Redefining the future of data processing with edge computing,” *World J. Adv. Res. Rev.*, vol. 24, no. 2, pp. 2865–2877, 2024, doi: 10.30574/wjarr.2024.24.2.3463.

[28] W. O. Mardiana, N. A., & Windari, “G-Tech : Jurnal Teknologi Terapan,” *J. Teknol. Terap.*, vol. 8, no. 1, pp. 186–195, 2024.

[29] I. Esnaola-Gonzalez, M. Gómez-Omella, S. Ferreiro, I. Fernandez, I. Lázaro, and E. García, “An IoT platform towards the enhancement of poultry production chains,” *Sensors (Switzerland)*, vol. 20, no. 6, pp. 1–20, 2020, doi: 10.3390/s20061549.