DAFTAR PUSTAKA

Amelia, L. (2023, April 20). *Apa itu Internet of Things? Pengertian, Cara Kerja, dan Contohnya*. Linknet Enterprise. https://www.linknet.id/article/internet-of-things

Arifin, M. N., Hannats, M., Ichsan, H., & Akbar, S. R. (2018). *Monitoring Kadar Gas Berbahaya Pada Kandang Ayam Dengan Menggunakan Protokol HTTP Dan ESP8266* (Vol. 2, Issue 11). http://j-ptiik.ub.ac.id

Arrahma, S. A., & Mukhaiyar, R. (2023). Pengujian Esp32-Cam Berbasis Mikrokontroler ESP32. *JTEIN: Jurnal Teknik Elektro Indonesia*, *4*(1), 60–66. https://doi.org/10.24036/jtein.v4i1.347

Binus. (2024, August). *Simak 7 Manfaat Internet of Things di Berbagai Sektor Kehidupan*. Binus University. https://binus.ac.id/bandung/2024/08/simak-7-manfaat-internet-of-things-di-berbagai-sektor-kehidupan/

Bist, R. B., Subedi, S., Chai, L., & Yang, X. (2023). Ammonia emissions, impacts, and mitigation strategies for poultry production: A critical review. *Journal of Environmental Management*, *328*, 116919. https://doi.org/10.1016/J.JENVMAN.2022.116919

BPS RI. (2020). *peternakan-dalam-angka-2020* (Subdirektorat Statistik Peternakan, Ed.). BPS-RI/BPS-Statistics Indonesia.

Cipatujah. (2024, June 24). *Peran Pemantauan Kesehatan Hewan Ternak dalam Menjaga Kualitas Produk*. Cipatujah. https://www.cipatujah-tasikmalaya.desa.id/peran-pemantauan-kesehatan-hewan-ternak-dalam-menjaga-kualitas-produk/#:~:text=Pemantauan%20kesehatan%20hewan%20ternak%20adalah,masyarakat%2C%20dan%20memperoleh%20manfaat%20ekonomi.

Czarick, M., & Fairchild, B. (2014). *Poultry Housing Tips*.

Dennis, A., Wixom, B. H., & Tegarden, D. (2015). *SYSTEMS ANALYSIS & DESIGN An Object-Oriented Approach with UML* (B. L. Golub, M. O'Sullivan, & E. Keohane, Eds.; 5th ed.). Wiley. http://store.visible.com/Wiley.aspx

Efendi, M. (2023, November 7). *Lima Hal Penting Untuk Menjaga Kesehatan Hewan Ternak*. Faperta. https://faperta.uniska-bjm.ac.id/lima-hal-penting-untuk-menjaga-kesehatan-hewan-ternak/

eshandriana. (2020, December 15). *Bahaya Amonia (NH3) Bagi Tubuh*. Advanced Analytics Asia. https://lab.id/bahaya-amonia-bagi-tubuh/

Fabian, E. (2023). *Detecting Ammonia in Poultry Housing Using Inexpensive Instruments*.

Fajarwati, D., & Earthany, N. (2023, October 27). *POTENSI DAN KEUNTUNGAN BUDIDAYA AYAM PETELUR*. IPB DIGITANI.

https://digitani.ipb.ac.id/potensi-dan-keuntungan-budidaya-ayam-petelur/

Feedmill, P. (2022, January 12). *Kelebihan dan Kekurangan Kandang Baterai*. Podomoro Feedmill.

Gofur, M., Risqiwati, D., Rahmayanti, V., & Nastiti, S. (2021). Sistem Monitoring Gas Amonia dan Kadar Bersih Udara Pada Kandang Sapi Perah Dengan Menggunakan Protokol Komunikasi MQTT Dan Algoritma Rule Based System. *REPOSITOR*, *3*(1), 77–86.

Hakim, M. (2021, December 27). *Minimalisir Efek Rumah Kaca Akibat Peternakan, Dimanakah Peran Dokter Hewan?* Unair News.

Hasanah, F., & Yanti, L. (2024). *Statistik Perusahaan Peternakan Unggas 2023* (Rustam & H. Riyadi, Eds.; Vol. 24). Badan Pusat Statistik. https://web-api.bps.go.id/download.php?f=3KBeXj/q9xc6M/kPWEpHhHN5Q2FOb3BJZ2JLajNBR2hXSUZ5bGN3L3p0b0k4QllGMGNLNXMwNXBjVmVadVNwMUFPUEh4azNIRElST0I2THhtRHBJVllsdE1LQUhmZkhpK2prL1BLclJYd3phc05kZWNueUZJZGZrU21MM0cyYTU0dExvTmlrSVY2dmVnWmNIUEtidUdQZmI4NTV5RUJPa0twRThEbll2dFcwZnQxQmhyMDJGdVpFeWM2ZnQvYUhzWWRqaGZEc2ZlUFNxUUZ6V2NzaXNETUJqUUNTMk1wZzFqY0MybHh2V1JPUmdjOVBsOGVFc1RQdVJBVlRlSDhOUWJ

3VnNTcEVjTFM3OWVPTFl6bzdPOWVHWllPVUtkV1J0NE5F
T1V3PT0=

IIES. (n.d.). *What is the MQ-135 sensor and how does it work?* Indian Institute of Embedded Systems. Retrieved January 17, 2025, from https://iies.in/blog/what-is-the-mq-135-sensor-and-how-does-it-work/

Jordan, B. (2024, August). *Infectious Bronchitis in Chickens*. MSD Veterinary Manual. https://www.msdvetmanual.com/poultry/infectious-bronchitis/infectious-bronchitis-in-chickens

Kim, D. H., Lee, Y. K., Lee, S. D., & Lee, K. W. (2022). Impact of relative humidity on the laying performance, egg quality, and physiological stress responses of laying hens exposed to high ambient temperature. *Journal of Thermal Biology*, *103*, 103167. https://doi.org/10.1016/J.JTHERBIO.2021.103167

Konapathri, R., & Azimov, U. (2024). Assessment of ammonia distribution in a livestock farm using CFD simulations. *Smart Agricultural Technology*, *7*, 100376. https://doi.org/10.1016/J.ATECH.2023.100376

Kumparan. (2024, November 8). *4 Kelebihan dan Kekurangan Kandang Baterai untuk Peternak*. Kumparan. https://kumparan.com/seputar-

hobi/4-kelebihan-dan-kekurangan-kandang-baterai-untuk-peternak-23sClHXZuov/full

Miles, D. M., Rowe, D. E., & Cathcart, T. C. (2011). High litter moisture content suppresses litter ammonia volatilization. *Poultry Science*, *90*(7), 1397–1405. https://doi.org/10.3382/ps.2010-01114

Nursobah, N., Saad, M. I., & Kansil, J. A. J. (2024). Implementation of the Flutter Framework for Developing an E-Commerce Application. *TEPIAN*, *5*(4), 127–135. https://doi.org/10.51967/tepian.v5i4.3110

Pahare, P., & Jain, P. (2019). Study of reliability of electrochemical sensor MQ-135 and MQ-137 in concern of ammonia gas in male urinals implemented on IOT based system. *International Journal for Research in Engineering Application & Management (IJREAM)*, *05*, 2454–9150. https://doi.org/10.35291/2454-9150.2019.0340

Putri, F., Nugraha, A., Setiawan, D., Pribadi, F., & Aprilianto, R. (2024). Systematic Literature Review: Optimizing Broiler Chicken Cage Temperature and Humidity. *Jurnal EECCIS (Electrics, Electronics, Communications, Controls, Informatics, Systems)*, *18*(3), 73–79. https://doi.org/10.21776/jeeccis.v18i3.1694

Runtuwene, D., Poekoel, V., & Manembu, P. (2024). Sistem_Kontrol_Dan_Pemantauan_Berbasis_IoT_untuk_K. *Jurnal Teknik Elektro Dan Komputer*, *13*, 91–96.

Saputra, O., Khalil, F. I., & Widhiantari, I. A. (2024). Rancang Bangun Sistem Kontrol dan Monitoring Tekanan Gas Pada Biodigester Berbasis IoT: Analisis Waktu dan Stabilitas Koneksi ESP32 dan ESP32-S3 (Lilygo T Display S3). *JURNAL SAINS TEKNOLOGI & LINGKUNGAN*, *10*(4), 608–616. https://doi.org/10.29303/jstl.v10i4.706

Sari, R. P. (2024, January 24). *Internet of Things (IoT): Pengertian, Cara Kerja dan Contohnya*. Cloud Computing Indonesia.

Setiawan, R. (2021, September 8). *Memahami Apa Itu Internet of Things*. Dicoding. https://www.dicoding.com/blog/apa-itu-internet-of-things/

Supriyono, H., Suryawan, F., Muhammad, R., Bastomi, A., & Bimantoro, U. (2021). *Sistem Monitoring Suhu dan Gas Amonia untuk Kandang Ayam Skala Kecil*. *9*(3), 562–576. https://doi.org/10.26760/elkomika.v5i3.562

Swelum, A. A., El-Saadony, M. T., Abd El-Hack, M. E., Abo Ghanima, M. M., Shukry, M., Alhotan, R. A., Hussein, E. O. S., Suliman, G. M., Ba-Awadh, H., Ammari, A. A., Taha, A. E., & El-Tarabily, K. A. (2021). Ammonia emissions in poultry houses and microbial

nitrification as a promising reduction strategy. *Science of The Total Environment*, *781*, 146978. https://doi.org/10.1016/J.SCITOTENV.2021.146978

Tashildar, A., Shah, N., Gala, R., Giri, T., & Chavhan, P. (2020). APPLICATION DEVELOPMENT USING FLUTTER. *International Research Journal of Modernization in Engineering Technology and Science @International Research Journal of Modernization in Engineering*, *2*(8), 2582–5208. www.irjmets.com

Wahyuni, W., & Lestari, A. (2022). Prevalensi Sakit dan Kematian Ayam Petelur (Studi Kasus di Peternakan Ayam Ras Petelur). *Tarjih Tropical Livestock Journal*, *2*(2), 68–75. https://doi.org/10.47030/trolija.v2i2.440

Wang, C., Bing, A., liu, H., Wang, X., Zhao, J., Lin, H., & Jiao, H. (2022). High ambient humidity aggravates ammonia-induced respiratory mucosal inflammation by eliciting Th1/Th2 imbalance and NF-κB pathway activation in laying hens. *Poultry Science*, *101*(9), 102028. https://doi.org/10.1016/J.PSJ.2022.102028

xeohacker. (2024, March 15). *MQ137 Ammonia Gas Sensor: Datasheet, Pinout & Working*. The Engineering Projects.

Yulizar, D., Soekirno, S., Ananda, N., Prabowo, M. A., Perdana, I. F. P., & Aofany, D. (2023). *Performance Analysis Comparison of DHT11,*

DHT22 and DS18B20 as Temperature Measurement. 37–45. https://doi.org/10.2991/978-94-6463-232-3_5

Yusuf, Y. (2024, October 7). *Apa Itu API dan Bagaimana Cara Kerjanya?* Telkom University. https://bif.telkomuniversity.ac.id/apa-itu-api/

Zhu, X., Wen, J., & Wang, J. (2020). Effect of environmental temperature and humidity on milk production and milk composition of Guanzhong dairy goats. *Veterinary and Animal Science*, *9*, 100121. https://doi.org/10.1016/J.VAS.2020.100121