DAFTAR PUSTAKA

Almuhanna, E. A., Ahmed, A. S., dan Al-Yousif, Y. M. (2011). Effect of air contaminants on poultry immunological and production performance. I*nt. J. Poult*. Sci, 10(6), 461-470.

Amer, A. H., Pingel, H., Hillig, J., Soltan, M., dan Von Borell, E. (2004). Impact of atmospheric ammonia on laying performance and egg shell strength of hens housed in climatic chambers. *Archiv fur Geflugelkunde*, 68(3), 120-124.

Angeles, D. A., Tan, R. R., Aviso, K. B., Are, K. R. A. G., dan Razon, L. F. (2018). Fuzzy optimization of the automotive ammonia fuel cycle. *Journal of Cleaner Production*, 186, 877-882.

Aziz, T., dan Barnes, H. J. (2010). Harmful effects of ammonia on birds. *World Poultry*, 26(3), 28-30.

Badan Standarisasi Nasional. 2005. Penentuan Lokasi Pengambilan Contoh Uji Pemantauan Kualitas Udara Ambien. SNI 19-7119.6-2005. *Badan Standarisasi Nasional*, Jakarta.

Beker, A., Vanhooser, S. L., Swartzlander, J. H., dan Teeter, R. G. (2004). Atmospheric ammonia concentration effects on broiler growth and performance. *Journal of applied poultry research*, 13(1), 5-9.

Bicer, Y., dan Khalid, F. (2018). Life cycle environmental impact comparison of solid oxide fuel cells fueled by natural gas, hydrogen, ammonia and methanol for combined heat and power generation. *International Journal of Hydrogen Energy*.

Bouwman, A. F., Lee, D. S., Asman, W. A. H., Dentener, F. J., Van Der Hoek, K. W., dan Olivier, J. G. J. (1997). A global high-resolution emission inventory for ammonia. *Global biogeochemical cycles*, 11(4), 561-587.

Brouček, J., dan Čermák, B. (2015). Emission of harmful gases from poultry farms and possibilities of their reduction. *Ekologia*, 34(1), 89-100.

Charles, D. R., dan Payne, C. G. (1966). The influence of graded levels of atmospheric ammonia on chickens: I. Effects on respiration and on the performance of broilers and replacement growing stock. *British Poultry Science*, 7(3), 177-187.

Chong, C. Y., dan Kumar, S. P. (2003). Sensor networks: evolution, opportunities, and challenges. *Proceedings of the IEEE*, 91(8), 1247-1256.

Deaton, J. W., McNaughton, J. L., dan Burdick, D. (1979). High-fibre sunflower meal as a replacement for soyabean meal in layer diets. *British Poultry Science*, 20(2), 159-162.

Deng, Z., Meng, G., Fang, X., Dong, W., Shao, J., Wang, S., dan Tong, B. (2019). A novel ammonia gas sensors based on p-type delafossite AgAlO2. *Journal of Alloys* and *Compounds*, 777, 52-58.

Ding, S., Hipel, K. W., dan Dang, Y. G. (2018). Forecasting China's electricity consumption using a new grey prediction model. Energy, 149, 314-328.

Ellen, H. H. (2005). Emissions, regulations and impact in the European Union and The Netherlands. *Journal of applied poultry research*, 14(3), 651-655.

Elumalai, V., Brindha, K., Sithole, B., dan Lakshmanan, E. (2017). Spatial interpolation methods and geostatistics for mapping groundwater contamination in a coastal area. *Environmental Science and Pollution Research*, 24(12), 11601-11617.

Gates, R. S., H. Xin, K. D. Casey, Y. Liang, and E. F. Wheeler. 2005. Method for measuring ammonia emissions from poultry houses. *J. Applied Poultry Res*. 14(3): 622-634.

Goyal, A., dan Garimella, S. (2019). Computing Thermodynamic Properties of Ammonia-water Mixtures using Artificial Neural Networks. *International Journal of Refrigeration*.

Guitart, R., Croubels, S., Caloni, F., Sachana, M., Davanzo, F., Vandenbroucke, V., dan Berny, P. (2010). Animal poisoning in Europe. Part 1: Farm livestock and poultry. *The Veterinary Journal*, 183(3), 249-254.

Hobbs, P. J., Webb, J., Mottram, T. T., Grant, B., dan Misselbrook, T. M. (2004). Emissions of volatile organic compounds originating from UK livestock agriculture. *Journal of the Science of Food and Agriculture*, 84(11), 1414-1420.

Huang, H., Zhang, P., Zhang, Z., Liu, J., Xiao, J., dan Gao, F. (2016). Simultaneous removal of ammonia nitrogen and recovery of phosphate from swine wastewater by struvite electrochemical precipitation and recycling technology. *Journal of Cleaner production*, 127, 302-310.

Hwang, J., dan Yoe, H. (2010). Study of the ubiquitous hog farm system using wireless sensor networks for environmental monitoring and facilities control. *Sensors*, 10(12), 10752-10777.

Ihrig A, Hoffmann J, Triebig G (2006) Examination of the influence of personal traits and habituation on the reporting of complaints at experimental exposure to ammonia. *Int Arch Occup Environ Health* 79:332–338.

Ikäheimo, J., Kiviluoma, J., Weiss, R., dan Holttinen, H. (2018). Power-to-ammonia in future North European 100% renewable power and heat system. *International Journal of Hydrogen Energy*, 43(36), 17295-17308.

Jelínek, A., Dolan, A. dan Vávra V. (2011). Metodika měření emisí amoniaku (NH_3) a oxidu uhličitého (CO2) v chovech drůbeže ve vztahu k integrované prevenci a omezení znečištění (IPPC). *Celostátní metodika pro Mze ČR. České Budějovice*: Jihočeská univerzita.

Ke, W., Cheng, H. P., Yan, D., dan Lin, C. (2011). The application of cluster analysis and inverse distance-weighted interpolation to appraising the water quality of three Forks Lake. *Procedia Environmental Sciences*, 10, 2511-2517.

Korner, I., H. Roper, dan R. Stegman. 2005. Chicken Manure Treatment and Application in Europe and Asia. In : I. KÖrner, R. Stegman, M. N. Hassan, A. M. Abdullah, J. Huijsmans, dan N. Ogink (Eds). CHIMATRA – Chicken Manure Treatment and Application. *Proceedings of The International Workshop Hamburg*, January 2005. Verlag Abfall Aktuell, Stuttgart.

Loftus, C., Yost, M., Sampson, P., Torres, E., Arias, G., Vasquez, V. B.,... dan Bhatti, P. (2015). Ambient ammonia exposures in an agricultural community and pediatric asthma morbidity. *Epidemiology* (Cambridge, Mass.), 26(6), 794.

Miles DM, Branton SL and Lott BD (2004). Atmospheric ammonia is detrimental to the performance of modern commercial broilers. *Poult*. Sci. 83: 1650-1654.

Naseem, S., dan King, A. J. (2018). Ammonia production in poultry houses can affect health of humans, birds, and the environment—techniques for its reduction during poultry production. *Environmental Science and Pollution Research*, 25, 15269-15293.

National Research Council, dan Committee on Acute Exposure Guideline Levels. (2009). *Acute exposure guideline levels for selected airborne chemicals (Vol. 9)*. National Academies Press.

Neser, S., Depta, G., Stegbauer, B., Gronauer, A., dan Schön, H. (1997, October). Mass balance of the compounds nitrogen and carbon in housing systems for laying hens. In Proc. International Symposium ammonia and odour control from animal facilities (Vol. 6).

Ni, J. (1998). Emission of carbon dioxide and ammonia from mechanically ventilated pig house (Doctoral dissertation, Katholieke Universiteit te Leuven).

Olanrewaju, H. A., Miller, W. W., Maslin, W. R., Thaxton, J. P., Dozier, W. A., Purswell, J., dan Branton, S. L. (2007). Interactive effects of ammonia and light intensity on ocular, fear and leg health in broiler chickens. *Int. J. Poult*. Sci, 6, 762-769.

Parbst, K. E., Keener, K. M., Heber, A. J., dan Ni, J. Q. (2000). Comparison of a low cost and high cost odor monitoring equipment in a commercial swine finishing house. Applied Engineering in Agriculture, 16(6), 693-699.

Petersen, K., Wohlin, C., dan Baca, D. (2009, June). The waterfall model in large-scale development. In International Conference on Product-Focused Software Process Improvement (pp. 386-400). *Springer*, Berlin, Heidelberg.

Patterson, P. H. dan Adrizal. 2005. Management strategies to reduce air emissions: Emphasis – dust and ammonia. *J. Appl. Poult*. Res. 14 : 638-650.

Quinteiro-Filho WM, Rodrigues MV, Ribeiro A, Ferraz-de-Paula V, dkk. (2012). Acute heat stress impairs performance parameters and induces mild intestinal enteritis in broiler chickens: role of acute hypothalamic-pituitary-adrenal axis activation. *J. Anim*. Sci. 90: 1986-1994.

Ritz, C. W., Fairchild, B. D., dan Lacy, M. P. (2004). Implications of ammonia production and emissions from commercial poultry facilities: A review. *Journal of applied poultry research*, 13(4), 684-692.

Sommerville, Lan,. 2011. *Software Engineering (9th.ed.),* Boston: Addison-Wesley.

Shaikh, F. K., dan Zeadally, S. (2016). *Energy* harvesting in wireless sensor networks: A comprehensive review. *Renewable and Sustainable Energy Reviews*, 55, 1041-1054.

Shaikh, F. K., Zeadally, S., dan Exposito, E. (2015). Enabling technologies for green internet of things. *IEEE Systems Journal*, 11(2), 983-994.

Song, Q., Li, M., Wang, L., Ma, X., Liu, F., dan Liu, X. (2019). Mechanism and optimization of electrochemical *system* for simultaneous removal of nitrate and ammonia. *Journal of hazardous materials*, 363, 119-126.

Suryono, S., dan Khuriati, A. (2017, November). Wireless sensor system for photovoltaic panel efficiency monitoring using wi-fi network. In 2017 Second International Conference on Informatics and Computing (ICIC) (pp. 1-5). IEEE.

Facta, M., dan Stiawan, D. (2017). 2017 4th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI): 19-21

September 2017, Yogyakarta, Indonesia: Proceedings. M. A. Riyadi (Ed.). IEEE.

Somova, A., Baranovb, A., Savkinb, A., Spirjakinb, D., Spirjakinb, A., Passeronec R., 2011, Development of Wireless Sensor Network for Combustible Gas Monitoring, *Sensors and Actuators* A: Physical, Vol. 171, Issue 2, Pp 398–405.

Stokstad, E. (2014). *Ammonia pollution from farming may exact hefty health costs*.

Suryono, S., Saputra, R., Surarso, B., dan Sukri, H. (2017, October). Web-based fuzzy time series for environmental temperature and relative humidity prediction. *In 2017 IEEE International Conference on Communication*, Networks and Satellite (Comnetsat) (pp. 36-41). IEEE.

Vecino, X., Reig, M., Bhushan, B., Gibert, O., Valderrama, C., dan Cortina, J. L. (2019). Liquid *fertilizer* production by ammonia recovery from treated ammonia-rich regenerated streams using liquid-liquid membrane contactors. *Chemical Engineering Journal*, 360, 890-899.

Walker, J. T., Robarge, W. P., dan Austin, R. (2014). Modeling of ammonia dry deposition to a pocosin landscape downwind of a large poultry facility. *Agriculture, ecosystems dan environment*, 185, 161-175.

Wang, Y. M., Meng, Q. P., Guo, Y. M., Wang, Y. Z., Wang, Z., Yao, Z. L., dan Shan, T. Z. (2010). Effect of atmospheric ammonia on growth performance and immunological response of broiler chickens. *Journal of Animal and Veterinary* Advances, 9(22), 2802-2806.

Wei, F. X., Hu, X. F., Sa, R. N., Liu, F. Z., Li, S. Y., dan Sun, Q. Y. (2014). Antioxidant capacity and meat quality of broilers exposed to different ambient humidity and ammonia concentrations. *Genet Mol Res*, 13(2), 3117-27.

Wei, F. X., Hu, X. F., Xu, B., Zhang, M. H., Li, S. Y., Sun, Q. Y., dan Lin, P. (2015). Ammonia concentration and relative humidity in poultry houses affect the immune response of broilers. *Genet Mol Res*, 14(2), 3160-9.

Wheeler, E. F., Casey, K. D., Gates, R. S., Xin, H., Zajaczkowski, J. L., Topper, P. A.,... dan Pescatore, A. J. (2006). Ammonia emissions from twelve US broiler chicken houses. *Transactions of the ASABE*, 49(5), 1495-1512.

Wu, D., Liu, S., Zhang, L., Terpenny, J., Gao, R. X., Kurfess, T., dan Guzzo, J. A. (2017). A *Fog computing*-based framework for process monitoring and prognosis in cyber-manufacturing. *Journal of Manufacturing Systems*, 43, 25-34.

Wu, Y. N., Yan, F. F., Hu, J. Y., Chen, H., Tucker, C. M., Green, A. R., dan Cheng, H. W. (2017). The effect of chronic ammonia exposure on acute-phase proteins, immunoglobulin, and cytokines in laying hens. *Poultry science*, 96(6), 1524-1530.

Xie, Y., Chen, T. B., Lei, M., Yang, J., Guo, Q. J., Song, B., dan Zhou, X. Y. (2011). Spatial distribution of soil heavy metal pollution estimated by different interpolation methods: Accuracy and uncertainty analysis. *Chemosphere*, 82(3), 468-476.

Yang, Y., Ni, X., Liu, B., Tao, L., Yu, L., Wang, Q., dan Wu, Y. (2019). Measuring field ammonia emissions and canopy ammonia fluxes in agriculture using portable ammonia detector method. *Journal of Cleaner Production*, 216, 542-551.