



## DAFTAR PUSTAKA

- Aasa, A. O., Adelusi, O. A., Fru, F. F., Areo, O. M., dan Njobeh, P. B. 2022. Preliminary screening of toxigenic fungi and mycotoxin contamination: A case of agricultural products in ivory coast. *J. Agric. Food Chem.* 1: 100-132
- Abdul-Lateef Mousa, H. 2016. Health effects of alkaline diet and water, reduction of digestive-tract bacterial load, and earthing. *Health Med.* 2: 22.
- Adegbeeye, M. J., Reddy, P. R. K., Chilaka, C. A., Balogun, O. B., Elghandour, M. M. M. Y., Rivas-Caceres, R. R., dan Salem, A. Z. M. 2020. Mycotoxin toxicity and residue in animal products: Prevalence, consumer exposure and reduction strategies. *Toxicon*.177: 96-108.
- Alegbeeye, O., Odeyemi, O. A., Strateva, M., dan Stratev, D. 2022. Microbial spoilage of vegetables, fruits and cereals. *Food Res. Int.* 2:1.
- Ali, A. M. A., Fahmy, M. F., Metwally, M. M., Hassanin, O., Azazy, H. A., dan Mowafy, R. E. 2021. Ameliorative effects of cholestyramine and oxihumate on aflatoxicosis in broiler chickens. *Pak. Vet. J.* 41(1): 51–56.
- Amiridumari, H., Sarir, H., Afzali, N., & FaniMakki, O. 2013. Effects of milk thistle seed against aflatoxin B<sub>1</sub> in broiler model. *Journal of research in medical sciences: J. Res. Med. Sci.* 18(9): 786.
- Anwar, U., Ahmad, S., Abdelgayed, S. S., Hussain, M., Rehman, A., Riaz, M., Yousaf, M., Bilal, M. Q., Bhatti, S. A., dan Rahman, M. A. 2022. Influence of phytase with or without organic acid (sodium di-formate) supplementation on growth performance, carcass response, protein and mineral digestibility in starter phase of broilers. *Rev. Bras. Cienc.* 24(1).
- Ashraf, A., Saleemi, M. K., Mohsin, M., Gul, S. T., Zubair, M., Muhammad, F., & Khan, A. 2022. Pathological effects of graded doses of aflatoxin B<sub>1</sub> on the development of the testes in juvenile white leghorn males. *Environ. Sci. Pollut. Res.* 29(35): 53158-53167.
- Author, C., Manafi, M., Umakantha, B., Noor Ali, M., dan Narayana Swamy, H. 2012. Study of the combination effects of aflatoxin and T-2 toxin on performance parameters and internal organs of commercial broilers. *Vet. World.* 8(4): 393–396.
- Bangar, S. P., Sharma, N., Kumar, M., Ozogul, F., Purewal, S. S., dan Trif, M. 2021. Recent developments in applications of lactic acid bacteria against mycotoxin production and fungal contamination. *J. Biosci.* 44: 101444.



- Barati, M., Chamani, M., Mousavi, S. N., Hosein, S. A., dan Ebrahimi, M. T. A. 2018. Effects of biological and mineral compounds in aflatoxin-contaminated diets on blood parameters and immune response of broiler chickens. *J. Biosci.* 46(1): 707–713.
- Bernaldez, V., Cordoba, J. J., Magan, N., Peromingo, B., dan Rodriguez, A. 2017. The influence of ecophysiological factors on growth, *aflR* gene expression and aflatoxin B<sub>1</sub> production by a type strain of *Aspergillus flavus*. *Food Sci. Technol.* 83: 283–291.
- Bhatti, S. A., Khan, M. Z., Saleemi, M. K., dan Hassan, Z. U. 2021. Dietary Trichosporon mycotoxinivoron modulates ochratoxin-A induced altered performance, hepatic and renal antioxidant capacity and tissue injury in broiler chickens. *J. ACS. Chem. Biol.* 347: 109614.
- Bintvihok, A., & Kositcharoenkul, S. 2006. Effect of dietary calcium propionate on performance, hepatic enzyme activities and aflatoxin residues in broilers fed a diet containing low levels of aflatoxin B<sub>1</sub>. *Toxicon.* 47(1): 41-46.
- Bortoluzzi, C., Schmidt, J. M., Bordignon, H. L. F., Fülber, L. M., Layter, J. R., dan Fernandes, J. I. M. 2016. Efficacy of yeast derived glucomannan or algae-based antioxidant or both as feed additives to ameliorate mycotoxicosis in heat stressed and unstressed broiler chickens. *Livest. Sci.* 193: 20–25.
- Chandrarvarnan, P., Agyei, D., dan Ali, A. 2022. Green and sustainable technologies for the decontamination of fungi and mycotoxins in rice: A review. *Trends. Food Sci. Technol.* 124: 278–295.
- Cope, R. B. 2018. Trichothecenes. In *veterinary toxicology: basic and clinical principles*: Third Edition. Elsevier: 1043-1053.
- De Oliveira, H. F., Souto, C. N., Martins, P. C., Di Castro, I. C., dan Mascarenhas, A. G. 2018. Mycotoxins in broiler production. *Rev. Cient.* 17(2): 292–299.
- De Sousa, J. P. L., Albino, L. F. T., Vaz, R. G. M. V., Rodrigues, K. F., Da Silva, G. F., Renno, L. N., Barros, V. R. S. M., dan Kaneko, I. N. 2015. The effect of dietary phytase on broiler performance and digestive, bone, and blood biochemistry characteristics. *Rev. Cient* 17(1): 69-76.
- Di Gregorio, M. C., Neeff, D. V. De, Jager, A. V., Corassin, C. H., Carão, Á. C. D. P., Albuquerque, R. De, Azevedo, A. C. De, dan Oliveira, C. A. F. 2014. Mineral adsorbents for prevention of mycotoxins in animal feeds. *Toxin.* 33(3): 125-135.
- Escrivá, L., Font, G., Manyes, L., dan Berrada, H. 2017. Studies on the presence of mycotoxins in biological samples: An overview. *Toxins.* 9(8): 251.



- Faixová, Z., Faix, Š., Bořutová, R., & Leng, L. 2010. Effects of feeding diets contaminated with Fusarium mycotoxins on blood biochemical parameters of broiler chickens. *Acta. Vet. Hung.* 58(3): 275-285.
- Farooqui, M. Y., Khalique, A., Rashid, M. A., Mehmood, S., dan Malik, M. I. 2019. *Aluminosilicates and yeast-based mycotoxin binders: Their ameliorated effects on growth, immunity and serum chemistry in broilers fed aflatoxin and ochratoxin.* South African J. Anim. Sci, 49(4): 619-627.
- Faucet-Marquis, V., Joannis-Cassan, C., Hadjeba-Medjdoub, K., Ballet, N., & Pfohl-Leszkowicz, A. 2014. Development of an in vitro method for the prediction of mycotoxin binding on yeast-based products: Case of aflatoxin B<sub>1</sub>, zearalenone and ochratoxin. *Appl. Microbiol. Biotechnol.* 98: 7583-7596.
- Faustino, M., Durão, J., Pereira, C. F., Pintado, M. E., dan Carvalho, A. P. 2021. Mannans and mannan oligosaccharides (MOS) from *Saccharomyces cerevisiae*. A sustainable source of functional ingredients. *Carbohydr. Polym.* 272: 118467.
- Fitriana, R., Soesetijo, F. X. A., dan Sulistyaningsih, E. 2019. Identifikasi kontaminasi aflatoksin pada rempah-rempah yang dijual di sentra pasar di kabupaten jember. *J. Multidiscip. Healthc.* 2(1): 24-29.
- Fowler, J., Li, W., dan Bailey, C. 2015. Effects of a calcium bentonite clay in diets containing aflatoxin when measuring liver residues of aflatoxin B<sub>1</sub> in starter broiler chicks. *Toxins*, 7(9): 3455-3464.
- Gallo, A., Solfrizzo, M., Epifani, F., Panzarini, G., dan Perrone, G. 2016. Effect of temperature and water activity on gene expression and aflatoxin biosynthesis in *Aspergillus flavus* on almond medium. *Food Microbiol.* 217: 162-169.
- Garofalo, M., Payros, D., Penary, M., Oswald, E., Nougayrède, J. P., dan Oswald, I. P. 2023. A novel toxic effect of foodborne trichothecenes: The exacerbation of genotoxicity. *Environ. Pollut.* 317: 120625.
- Ghazalah, A. A., Abd-Elsamee, M. O., Moustafa, K. E. M., Khattab, M. A., & Rehan, A. E. A. 2021. Effect of nanosilica and bentonite as mycotoxins adsorbent agent in broiler chickens' diet on growth performance and hepatic histopathology. *Animals.* 11(7): 2129.
- Greeff-Laubscher, M. R., Beukes, I., Marais, G. J., & Jacobs, K. 2020. Mycotoxin production by three different toxigenic fungi genera on formulated abalone feed and the effect of an aquatic environment on fumonisins. *Mycology.* 11(2): 105-117.
- Grenier, B., dan Applegate, T. J. 2013. Modulation of intestinal functions following mycotoxin ingestion: Meta-analysis of published experiments in animals. In *Toxins*. 5(2): 396–430.



- Hebbar, R. S., Isloor, A. M., & Ismail, A. F. 2014. Preparation and evaluation of heavy metal rejection properties of polyetherimide/porous activated bentonite clay nanocomposite membrane. *RSC Adv.* 4(88): 47240-47248.
- Hussain, Z., Khan, M. Z., Khan, A., Javed, I., Saleemi, M. K., Mahmood Ghazalah, A. A., Abd-Elsamee, M. O., Moustafa, K. E. M. E., Khattab, M. A., dan Rehan, A. E. A. A. 2021. Effect of nanosilica and *bentonite* as mycotoxins adsorbent agent in broiler chickens' diet on growth performance and hepatic histopathology. *Animals.* 11(7): 396-430.
- Hussain, Z., Khan, M. Z., Khan, A., Javed, I., Saleemi, M. K., Mahmood, S., & Asi, M. R. 2010. Residues of aflatoxin B<sub>1</sub> in broiler meat: Effect of age and dietary aflatoxin B<sub>1</sub> levels. *Food Chem. Toxicol.* 48(12): 304-3307.
- Janik, E., Niemcewicz, M., Podogrocki, M., Ceremuga, M., Stela, M., dan Bijak, M. 2021. T-2 toxin the most toxic trichothecene mycotoxin: Metabolism, toxicity, and decontamination strategies. *Molecules.* 26(22): 6868.
- Jin, L., Wang, W., Degroote, J., Van Noten, N., Yan, H., Majdeddin, M., ... & Michiels, J. 2017. Mycotoxin binder improves growth rate in piglets associated with reduction of toll-like receptor 4 and increase of tight junction protein gene expression in gut mucosa. *J. Anim. Sci. Biotechnol.* 8: 1-10.
- Julian, R. J. 2005. Production and growth related disorders and other metabolic diseases of poultry. A review. *J. Vet.* 169(3): 350-369.
- Kehinde, M. T., Oluwafemi, F., Itoandon, Orji, dan Ajayi, O. I. 2014. Fungal profile and aflatoxin contamination in poultry feeds sold in abeokuta, ogun state, nigeria. In nigerian food. *J. Food Sci. Technol.* 32(1): 73-79.
- Klapáčová, K., Faixová, Z., Faix, Š., Miklósová, L., & Leng, L. 2011. Effects of feeding wheat naturally contaminated with Fusarium mycotoxins on blood biochemistry and the effectiveness of dietary lignin treatment to alleviate mycotoxin adverse effects in broiler chickens. *Acta vet.* 61(2-3): 227-237.
- Klingelhöfer, D., Braun, M., Schöffel, N., Oremek, G. M., Brüggmann, D., dan Groneberg, D. A. 2020. Ochratoxin Characteristics, influences and challenges of global research. *Food Control.* 114: 107230.
- Kolawole, O., Graham, A., Donaldson, C., Owens, B., Abia, W. A., Meneely, J., Alcorn, M. J., Connolly, L., dan Elliott, C. T. 2020. Low doses of mycotoxin mixtures below EU regulatory limits can negatively affect the performance of broiler chickens: A longitudinal study. *Toxins.* 12(7): 433.



- Kolawole, O., Meneely, J., Greer, B., Chevallier, O., Jones, D. S., Connolly, L., & Elliott, C. 2019. Comparative in vitro assessment of a range of commercial feed additives with multiple mycotoxin binding claims. *Toxins*. 11(11): 659.
- Kolosova, A., dan Stroka, J. 2012. Evaluation of the effect of mycotoxin binders in animal feed on the analytical performance of standardised methods for the determination of mycotoxins in feed. *Food Addit. Contam.* 29(12): 1959-1971.
- Ktsoeva, I., Abdulkhalikov, R., Temiraev, R., dan Savkhalova, S. 2021. Effect of antioxidant and adsorbent on broiler meat production and consumer qualities. *E3S Web of Conferences*. 262: 02013.
- Labatar, S. C. 2018. Pengaruh pemberian batang dan kulit pisang sebagai pakan fermentasi untuk ternak sapi potong. *J. Triton*, 9(1): 31–37.
- Lai, Y., Sun, M., He, Y., Lei, J., Han, Y., Wu, Y., Bai, D., Guo, Y., dan Zhang, B. 2022. Mycotoxins binder supplementation alleviates aflatoxin B<sub>1</sub> toxic effects on the immune response and intestinal barrier function in broilers. *Poult. Sci.* 101(3): 101683.
- Lauwers, M., Croubels, S., Letor, B., Gougulias, C., dan Devreese, M. 2019. Biomarkers for exposure as a tool for efficacy testing of a mycotoxin detoxifier in broiler chickens and pigs. *Toxins*. 11(4): 187.
- Li, Z., Yang, Z. B., Yang, W. R., Wang, S. J., Jiang, S. Z., & Wu, Y. B. 2012. Effects of feed-borne *Fusarium* mycotoxins with or without yeast cell wall adsorbent on organ weight, serum biochemistry, and immunological parameters of broiler chickens. *Poult. Sci.* 91(10): 2487-2495.
- Liu, Y. L., Meng, G. Q., Wang, H. R., Zhu, H. L., Hou, Y. Q., Wang, W. J., dan Ding, B. Y. 2011. Effect of three mycotoxin adsorbents on growth performance, nutrient retention and meat quality in broilers fed on mould-contaminated feed. *Br. Poult. Sci.* 52(2): 255-263.
- Makki, O. F., Afzali, N., & Omidi, A. 2013. Effect of different levels of *Silymarin* (*Silybum marianum*) on growth rate, carcass variables and liver morphology of broiler chickens contaminated with aflatoxin B<sub>1</sub>. *Poult. Sci.* 1(2), 105-116.
- Mallick, P., Muduli, K., Biswal, J. N., dan Pumwa, J. 2020. Broiler poultry feed cost optimization using linear programming technique. *J. Oper. Manag.* 3(1): 31-57.
- Maoba, S., Ogbuewu, I. P., Oguttu, J. W., & Mbajorgu, C. A. 2021. Prediction of responses of indigenous Boschveld chickens to probiotic-yeast additive levels using a quadratic optimisation model. *Anim. Health. Prod.* 53: 1-11.



- Maryam, R., Widiyanti, P. M., Ramadhani, F., dan Munawar, H. 2020. Homogenitas dan stabilitas kit elisa ota, serta aplikasinya untuk mendeteksi okratoksin a pada pakan unggas. Prosiding Seminar Nasional Teknologi Peternakan Dan Veteriner. 20(20): 664-676.
- Mil, T. De, Devreese, M., Baere, S. De, Van Ranst, E., Eeckhout, M., Backer, P. De, dan Croubels, S. 2015. Characterization of 27 mycotoxin binders and the relation with in vitro zearalenone adsorption at a single concentration. Toxins. 7(1): 21-33.
- Mokubedi, S. M., Phoku, J. Z., Changwa, R. N., Gbashi, S., dan Njobeh, P. B. 2019. Analysis of mycotoxins contamination in poultry feeds manufactured in selected provinces of South Africa using UHPLC-MS/MS. Toxins. 11(8): 452.
- Moreki, J. C., & Tiroesele, B. 2012. Termites and earthworms as potential alternative sources of protein for poultry. Int. J. Agro. Veter. Med. Sci. 6: 368-76.
- Murugesan, G. R., Ledoux, D. R., Naehrer, K., Berthiller, F., Applegate, T. J., Grenier, B., Phillips, T. D., dan Schatzmayr, G. 2015. Prevalence and effects of mycotoxins on poultry health and performance, and recent development in mycotoxin counteracting strategies. J. Poultry Sci. 94(6): 1298-1315.
- Nakavuma, J. L., Kirabo, A., Bogere, P., Nabulime, M. M., Kaaya, A. N., dan Gnonlonfin, B. 2020. Awareness of mycotoxins and occurrence of aflatoxins in poultry feeds and feed ingredients in selected regions of Uganda. In International J. Food Cont. 7(1): 1-10.
- Nalle, C. L., Supit, M. A. J., Angi, A. H., dan Yuliani, N. S. 2021. The performance, nutrient digestibility, aflatoxin B<sub>1</sub> residue, and histopathological changes of broilers exposed to dietary mycosorb. Trop. Anim. Sci. J. 44(2): 160-172.
- Nasiri Poroj, S., Fazeli, M. R., Larypoor, M., & Shariatmadari, F. 2023. Developing a new biologic toxin binder for reducing AFB1 toxicity in laying hens. Lett. Appl. Microbiol. 76(2): 001.
- Naveed, M., Haleem, K. S., Ghazanfar, S., Tauseef, I., Bano, N., Adetunji, C. O., & Paray, B. A. 2022. Quantitative estimation of aflatoxin level in poultry feed in selected poultry farms. BioMed. Res. Int. 2022: 1-7.
- Nazarizadeh, H., & Pourreza, J. 2019. Evaluation of three mycotoxin binders to prevent the adverse effects of aflatoxin B<sub>1</sub> in growing broilers. J. Appl. Anim. Res. 47(1), 135-139.
- Nones, J., Nones, J., Riella, H. G., Kuhnhen, N. C., dan Trentin, A. 2015. Bentonite protects neural crest stem cells from death caused by aflatoxin B<sub>1</sub>. Dev. Clay Sci. 104: 119-127.



- Ochieng, P. E., Scippo, M.-L., Kemboi, D. C., Croubels, S., Okoth, S., Kang'ethe, E. K., Doušová, B., Gathumbi, J. K., Lindahl, J. F., dan Antonissen, G. 2021. Mycotoxins in poultry feed and feed ingredients from Sub-Saharan Africa and their impact on the production of broiler and layer chickens: a review. *Toxins*. 13(9): 633.
- Pelyhe, C., Kövesi, B., Zándoki, E., Kovács, B., Erdélyi, M., Kulcsár, S., Mézes, M., dan Balogh, K. 2018. Multi-trichothecene mycotoxin exposure activates glutathione-redox system in broiler chicken. *Toxicon*. 153: 53-57.
- Peng, M., Zhao, Z., dan Liang, Z. 2022. Biodegradation of ochratoxin A and ochratoxin B by *Brevundimonas naejangsanensis* isolated from soil. *Food Control*. 133: 108611.
- Pickova, D., Ostry, V., Toman, J., & Malir, F. 2021. Aflatoxins: History, significant milestones, recent data on their toxicity and ways to mitigation. *Toxins*. 13(6): 399.
- Prananda, F., Kurnia, D., Jiyanto, D., Program, M., Peternakan, S., Pertanian, F., Kunci, K., Pertumbuhan, L., Badan, B., dan Konsumsi, P. 2021. Pertumbuhan bobot badan ayam breeding strain cobb 500 di pt. Charoen Pokphand jaya farm 2 pekanbaru. *J. Anim. Sci.* 3(2): 111-131.
- Rahayu, D., Rahayu, W. P., Lioe, H. N., Herawati, D., Broto, W., dan Ambarwati, S. 2015. The effect of temperature and humidity on the growth of *Fusarium verticillioides* bio 957 and *fumonisin B1* productions. *Agritech*. 35(2): 156-163.
- Ramalingam, S., Bahuguna, A., dan Kim, M. 2019. The effects of mycotoxin patulin on cells and cellular components. *Food Sci. Technol.* 83: 99-113.
- Raza, A., Bashir, S., & Tabassum, R. 2019. An update on carbohydrases: growth performance and intestinal health of poultry. *Heliyon*, 5(4). 01437.
- Ren, Z., Guo, C., Yu, S., Zhu, L., Wang, Y., Hu, H., dan Deng, J. 2019. Progress in mycotoxins affecting intestinal mucosal barrier function. *Int. J. Mol. Sci.* 20:11.
- Riahi, I., Ramos, A. J., Raj, J., Jakovčević, Z., Farkaš, H., Vasiljević, M., & Pérez-Vendrell, A. M. 2021. Effect of a mycotoxin binder (MMDA) on the growth performance, blood and carcass characteristics of broilers fed ochratoxin a and T-2 mycotoxin contaminated diets. *Animals*. 11(11): 3205.
- Ruhnau, D., Hess, C., Grenier, B., Doušová, B., Schatzmayr, D., Hess, M., dan Awad, W. A. 2020. The mycotoxin deoxynivalenol (DON) promotes campylobacter jejuni multiplication in the intestine of broiler



- chickens with consequences on bacterial translocation and gut integrity. *Front. Vet. Sci.* 7: 573894.
- Safaeikatouli, M., Jafariahangari, Y., & Baharlouei, A. 2010. Effects of dietary inclusion of sodium *bentonite* on biochemical characteristics of blood serum in broiler chickens. *Int. J. Agric. Biol.* 12(6): 877-880.
- Shannon T, Ledoux D, Rottinghaus G, Shaw D, Dakovic A, Markovic M, 2017. The efficacy of raw and concentrated bentonite clay in reducing the toxic effects of AF in broiler chicks. *Poult. Sci.* 96: 1651-1658.
- Shareef, A. M., Bayon, O. S., & Qubih, T. S. 2008. Correlation between broiler aflatoxicosis and European production efficiency factor. *Iraqi. J. Vet. Sci.* 22: 49-55.
- Singh, R., S. Park, J. S. Koo, I. H. Kim, dan B. Balasubramanian. 2020. Significance of varying concentrations of T-2 toxin on growth performance, serum biochemical and hematological parameters in broiler chickens. *JAST.* 62(4): 468-474.
- Speijers, G. J. A., dan Speijers, M. H. M. 2004. Combined toxic effects of mycotoxins. *Toxicol. Lett.* 153(1): 91-98.
- Srinual, O., Moonmanee, T., Lumsangkul, C., Doan, H. V., Punyatong, M., Yachai, M., & Tapingkae, W. 2022. Can red yeast (*Sporidiobolus pararoseus*) be used as a novel feed additive for mycotoxin binders in broiler chickens. *Toxins.* 14(10): 678.
- Stoev, S. D., Stefanov, M., Denev, S., Radic, B., Domijan, A. M., & Peraica, M. 2004. Experimental mycotoxicosis in chickens induced by ochratoxin A and penicillic acid and intervention with natural plant extracts. *Vet. Res. Commun.* 28: 727-746.
- Sun, H., Chen, J., Xiong, D., & Long, M. 2023. Detoxification of selenium yeast on mycotoxins and heavy metals: a Review. *Biol. Trace. Elem. Res.* 20: 1-14.
- Tapingkae, W., Srinual, O., Lumsangkul, C., Doan, H. V., Chiang, H. I., Manowattana, A., & Chaiyaso, T. 2022. Industrial-scale production of mycotoxin binder from the red yeast *Sporidiobolu pararoseus* KM281507. *J. Fungi.* 8(4): 353.
- Thielecke, F., dan Nugent, A. P. 2018. Contaminants in grain. A major risk for whole grain safety. *Nutrients.* 10(9): 1213.
- Toghyani, M., Toghyani, M., Shivazad, M., Gheisari, A., & Bahadoran, R. 2012. Chromium supplementation can alleviate the negative effects of heat stress on growth performance, carcass traits, and meat lipid oxidation of broiler chicks without any adverse impacts on blood constituents. *Biol. Trace. Elem. Res.* 146: 171-180.
- Uka, V., Cary, J. W., Lebar, M. D., Puel, O., De Saeger, S., dan Diana Di Mavungu, J. 2020. Chemical repertoire and biosynthetic machinery of



- the *Aspergillus flavus* secondary metabolome: A review. Rev. Food. Sci. Nutr. 19(6): 2797-2842.
- Ulfa, D., Suyatno, A., & Dewi, Y. S. K. 2021. Pola dan kinerja kemitraan pada usaha peternakan ayam broiler di Kabupaten Kubu Raya Kalimantan Barat. AKP.19(1): 19-32.
- Umaya, S. R., Vijayalakshmi, Y. C., dan Sejian, V. 2021. Exploration of plant products and phytochemicals against *aflatoxin* toxicity in broiler chicken production: Present status. Toxicon. 200: 55-68.
- Wang, A., & Hogan, N. S. 2019. Performance effects of feed-borne *Fusarium* mycotoxins on broiler chickens: Influences of timing and duration of exposure. Anim. Nutr. 5(1): 32-40.
- Wang, L., Huang, Q., Wu, J., Wu, W., Jiang, J., Yan, H., Huang, J., Sun, Y., dan Deng, Y. 2022. The metabolism and biotransformation of AFB<sub>1</sub>: Key enzymes and pathways. Biochem. Pharmacol.199: 115005.
- Wang, W., Li, Z., Han, Q., Guo, Y., Zhang, B., & D'inca, R. 2016. Dietary live yeast and mannan-oligosaccharide supplementation attenuate intestinal inflammation and barrier dysfunction induced by *Escherichia coli* in broilers. J. Nutr. 116(11): 1878-1888.
- Weaver, A. C., King, W. D., Verax, M., Fox, U., Kudupoje, M. B., Mathis, G., Lumpkins, B., dan Yiannikouris, A. 2020. Impact of chronic levels of naturally multi-contaminated feed with fusarium mycotoxins on broiler chickens and evaluation of the mitigation properties of different titers of yeast cell wall extract. Toxins. 12(10): 636.
- Weaver, A. C., Weaver, D. M., Yiannikouris, A., dan Adams, N. 2022. Meta-analysis of the effects of mycotoxins and yeast cell wall extract supplementation on the performance, livability, and environmental sustainability of broiler production. J. Poultry Sci. 101(9): 102043.
- Xu, L., Li, N., Farnell, Y. Z., Wan, X., Yang, H., Zhong, X., dan Farnell, M. B. 2021. Effect of feeding a high calcium: Phosphorus ratio, phosphorous deficient diet on hypophosphatemic rickets onset in broilers. Agriculture. 11(10): 955.
- Yadavalli, R., Valluru, P., Raj, R., Reddy, C. N., & Mishra, B. 2023. Biological detoxification of mycotoxins: Emphasizing the role of algae. Algal Res.71: 103039.
- Yalçinkaya, I., Güngör, T., Başalan, M., dan Erdem, E. 2008. Mannan oligosaccharides (MOS) from *Saccharomyces cerevisiae* mannan oligosaccharides (MOS) from *Saccharomyces cerevisiae* in broilers: effects on performance and blood biochemistry in broilers: Effects on Performance and Blood Biochemistry. 32(1): 43-48.
- Yan, X., Chen, H., Du, G., Guo, Q., Yuan, Y., & Yue, T. 2022. Recent trends in fluorescent aptasensors for mycotoxin detection in food: Principles,



constituted elements, types, and applications. Food Front. 3(3): 428-452.

Yang, C., Song, G., & Lim, W. 2020. Effects of mycotoxin-contaminated feed on farm animals. J. Hazard. Mater. 389: 122087.

Yip, Ka Yiu, Murphy Lam Yim Wan, Alice Sze Tsai Wong, Kenneth S. Korach, and Hani El-Nezami. 2017. "Combined low-dose zearalenone and aflatoxin B1 on cell growth and cell-cycle progression in breast cancer MCF-7 cells. Int. J. Toxicol. 281 (2017): 139-151.

Zabiulla, I., Malathi, V., Swamy, H. V. L. N., Naik, J., Pineda, L., & Han, Y. 2021. The efficacy of a smectite-based mycotoxin binder in reducing aflatoxin B<sub>1</sub> toxicity on performance, health and histopathology of broiler chickens. Toxins. 13(12): 856.

Zhang, L., Wang, Y., Zhang, R., Jia, H., Liu, X., & Zhu, Z. 2022. Effects of three probiotics and their interactions on the growth performance of and nutrient absorption in broilers. Peer. J. 10: 13308.