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2. <https://github.com/mohammad-miftakhus-sholikin>^[1]

Doctoral on Animal Science

Profile

I have practical experience working and teaching in various subjects and positions regarding Commercial and Education both domestically and abroad. I am a tactical and creative person in dealing with work and challenges.

Education and Qualifications

Formal education

- 2017 B.Sc.^[1] IPB University: Cricket meal as protein alternative for animal feed^[1]
- 2019 M.Sc.^[1] IPB University: Protein extraction of maggot using response surface modelling^[1]
- 2021 Dr.^[1] IPB University: Antimicrobial peptide as an alternative antibiotic growth promoter^[1]

Non-formal education

- 2021 datacamp: Introduction to python^[1], R^[1], and SQL^[1]
- 2021 DQLab: Basic Feature Discovering for Machine Learning^[1]
- 2021 DQLab: Business decision research using python^[1]
- 2021 DQLab: Credit risk analysis using R^[1]
- 2021 DQLab: Customer churn prediction using machine learning^[1]
- 2021 DQLab: Customer segmentation with python^{[1][2]} and R^[1]
- 2021 DQLab: Data analysis of COVID19 using python^{[1][2]} and R^[1]
- 2021 DQLab: Data analyst using python^{[1][2][3][4][5][6][7][8][9][10][11][12][13][14][15][16][17]}, R^{[1][2][3][4][5][6][7]}, and SQL^{[1][2][3][4][5]}
- 2021 DQLab: Data Science in Finance: Dimension Reduction using R^[1]
- 2021 DQLab: Data Science in Telco: Data Cleansing^[1]
- 2021 DQLab: A walk into sensory science using R^[1]
- 2021 DQLab: Market basket analysis using R^[1]

Professional Memberships

October 2020-2022 Animal Feed and Nutrition Modelling Research Group, IPB University^[1]

Academic and Practice History

23 Jan – 7 Feb. 2014 IPB University, research assistant (full time)
Dec. 2019 – Mar. 2020 Chiba University, research assistant (full time)^[1]
Oct. 2020 Tanjungpura University, instructor (workshop machine learning using python)^[1]
Nov. 2020 UIN Suska RIAU, instructor (introduction to meta-analysis using R)^[1]
Mar. 2018 – Nov. 2021 IPB University, researcher (full time)

Achievements

- Course of TWINCLE Program by Chiba University^[1]
- German language level A1^[1]
- The best graduates from bachelor^[1], master^[1], and doctoral^[1] programs
- TOEFL IBT score 477^[1]

Skills

- Data Science and Engineering
- Feed formulation, feed manufacturing, and feed additives design
- Feeding management for monogastric and ruminant
- Nutrition modelling (e.g., dynamic systems and meta-analysis approaches)
- Teaching and Research

Publication

A meta-analysis of antimicrobial peptide effects on intestinal bacteria, immune response and antioxidant activity of broilers ^[1]	Q2: tropical animal science journal, 44(2): 188-197
A meta-analysis of the effect of antimicrobial peptide purity on the growth performance, dry matter digestibility, and intestinal morphology of broiler ^[1]	Q3: advances in animal and veterinary sciences, 9(6): 869-878
Antimicrobial peptides as an additive in broiler chicken nutrition: A meta-analysis of bird performance, nutrient digestibility and serum metabolites ^[1]	Q2: journal of animal and feed sciences, 30(2): 100-110
Artificial neural network model to predict crude protein and crude fiber from physical properties of feedstuffs ^[1]	iop conference vol. 372
Effect of dietary black cumin seed (<i>Nigella sativa</i>) on performance, immune status, and serum metabolites of small ruminants: A meta-analysis ^[1]	Q2: small ruminant research, 204
Effect of dietary propolis supplementation on broiler chicken performance, nutrient digestibility, and carcass characteristics: A meta-analysis ^[1]	Q2: tropical animal science journal
Propolis supplementation affects performance, intestinal morphology, and bacterial population of broiler chickens ^[1]	Q3: south African journal of animal science, 51(4): 477-487
Effects of dietary flavonoids on performance, blood constituents, carcass composition and small intestinal morphology of broilers: A meta-analysis ^[1]	Q1: animal bioscience, 349(3): 434-442
Evaluate non-linear model logistic, gompertz, and weibull: Study case on calcium and phosphor requirements of laying hen ^[1]	iop conference vol. 478
Evaluation of linear models and linear mixed models to predict the effects of antimicrobial peptides on broiler performance ^[1]	iop conference vol. 478
Influence of different forms of flavonoid on growth performance and gut morphology of broiler: A meta-analysis ^[1]	iop conference vol. 1098
Lowering chitin content of cricket (<i>Gryllus assimilis</i>) through exoskeleton removal and chemical extraction and its utilization as a ruminant feed in vitro ^[1]	Q3: Pakistan journal of biological sciences, 20(10): 523-529
Optimization of the <i>Hermetia illucens</i> larvae extraction process with response surface modelling and its amino acid profile and antibacterial activity ^[1]	iop conference vol. 546
Potential fatty acid composition of <i>Hermetia illucens</i> oil reared on different substrates ^[1]	iop conference vol. 546
The effect of anti-microbial peptide on the performance, survival rate, and diarrhea ratio the pig: A meta-analysis ^[1]	Q3: journal of the Indonesian tropical animal agriculture
Effect of dietary tannins on the performance, lymphoid organ weight, and amino acid ileal digestibility of broiler chickens: A meta-analysis ^[1]	Q2: veterinary world, 14(6): 1405-1411
The effects of mixed vitamins, minerals, fatty acids, and amino acids supplementation into drinking water on broiler chickens' performance and carcass traits ^[1]	Q4: journal of world's poultry research, 11(1): 47-52
The effects of probiotics on the performance, egg quality, and blood parameters of laying hens: A meta-analysis ^[1]	Q2: journal of animal and feed sciences, 30(1): 11-18

I hereby declare that all the above information is correct and accurate.

Tulungagung, 15 November 2021

Dr. Mohammad Miftakhus Sholikin, S.Pt., M.Si.