



# Mohammad Miftakhus Sholikin<sup>[1]</sup>

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

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

#### Non-formal education

- 2021 datacamp: Introduction to python<sup>[1]</sup>, R<sup>[1]</sup>, and SQL<sup>[1]</sup>
- 2021 DQLab: A walk into sensory science using R<sup>[1]</sup>
- 2021 DQLab: Basic feature discovering for machine learning<sup>[1]</sup>
- 2021 DQLab: Business decision research using python<sup>[1]</sup>
- 2021 DQLab: Credit risk analysis using R<sup>[1]</sup>
- 2021 DQLab: Customer churn prediction using machine learning<sup>[1]</sup>
- 2021 DQLab: Customer segmentation with python<sup>[1][2]</sup> and R<sup>[1]</sup>
- 2021 DQLab: Data analysis of COVID19 using python<sup>[1][2]</sup> and R<sup>[1]</sup>
- 2021 DQLab: Data analyst using python<sup>[1][2][3][4][5][6][7][8][9][10][11][12][13][14][15][16][17]</sup>, R<sup>[1][2][3][4][5][6][7]</sup>, and SQL<sup>[1][2][3][4][5]</sup>
- 2021 DQLab: Data science in finance: Dimension reduction using R<sup>[1]</sup>
- 2021 DQLab: Data science in telco: Data cleansing<sup>[1]</sup>
- 2021 DQLab: Market basket analysis using R<sup>[1]</sup>

### Professional Memberships

October 2020-2022      Animal Feed and Nutrition Modelling Research Group, IPB University<sup>[1]</sup>

### 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)<sup>[1]</sup>  
Oct. 2020      Tanjungpura University, instructor (workshop machine learning using python)<sup>[1]</sup>  
Nov. 2020      UIN Suska RIAU, instructor (introduction to meta-analysis using R)<sup>[1]</sup>  
Mar. 2018 – Nov. 2021      IPB University, researcher (full time)

### Achievements

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

## 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

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|--|---|
| A meta-analysis of antimicrobial peptide effects on intestinal bacteria, immune response and antioxidant activity of broilers <sup>[1]</sup>                                       | 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 <sup>[1]</sup>             | 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 <sup>[1]</sup>               | 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 <sup>[1]</sup>   | 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 <sup>[1]</sup>               | Q2: small ruminant research, 204                              |
| Effect of dietary propolis supplementation on broiler chicken performance, nutrient digestibility, and carcass characteristics: A meta-analysis                                    | Q2: tropical animal science journal                           |
| Propolis supplementation affects performance, intestinal morphology, and bacterial population of broiler chickens <sup>[1]</sup>   | 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 <sup>[1]</sup>                  | 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 <sup>[1]</sup>  | iop conference vol. 478                                       |
| Evaluation of linear models and linear mixed models to predict the effects of antimicrobial peptides on broiler performance <sup>[1]</sup>   | iop conference vol. 478                                       |
| Influence of different forms of flavonoid on growth performance and gut morphology of broiler: A meta-analysis <sup>[1]</sup>  | 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 <sup>[1]</sup> | 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 <sup>[1]</sup>        | iop conference vol. 546                                       |
| Potential fatty acid composition of <i>Hermetia illucens</i> oil reared on different substrates <sup>[1]</sup>   | iop conference vol. 546                                       |
| The effect of anti-microbial peptide on the performance, survival rate, and diarrhea ratio the pig: A meta-analysis <sup>[1]</sup>   | 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 <sup>[1]</sup>                        | 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 <sup>[1]</sup>       | 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 <sup>[1]</sup>   | 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.