

Name : Dr. Aji Praba Baskara, S.Pt.  
 Post : Animal Nutrition and Feed Science  
 Academic carrer : S1 Universitas Gadjah Mada, Indonesia  
 S3 Universitas Gadjah Mada, Indonesia

#### Research over the last 5 years

| No. | Judul Penelitian<br><i>Research Title</i>   | Tahun<br><i>Year</i> | Sumber Dana<br><i>Source of Funds</i>   |
|-----|---|----------------------|---|
| 1.  | Antimicrobia and Immunomodulator Effects of Cinnamon essential oil Nano-Particle ( <i>Cinnamomum burmannii</i> ) that Given to Broiler Chicken Through Drinking Water | 2017                 | Ministry of Research, Technology, and Higher Education of the Republic of Indonesia   |
| 2.  | Cinnamon bark oil and coconut oil emulsions modified small intestinal motility and barrier function   | 2018                 | Ministry of Research, Technology, and Higher Education of the Republic of Indonesia   |
| 3.  | Short-chain fatty acids promote jejunal barrier function and cecal muscle contractibility   | 2018                 | Austrian Federal Ministry for Digital and Economic Affairs and the National Foundation for Research, Technology and Development – BIOMIN Holding GmbH |
| 4.  | Evaluation of antimicrobial activity of cinnamon oil nanoparticles ( <i>Cinnamomum burmannii</i> ) in broiler chicken using next generation sequencing (NGS)          | 2020                 | RTA Universitas Gadjah Mada   |
| 5.  |   |                      |   |
| 6.  |   |                      |   |
| 7.  |   |                      |   |

#### Community Service over the last 5 years

| No. | Judul Kegiatan<br><i>Activity Title</i> | Tahun<br><i>Year</i> | Sumber Dana<br><i>Source of Funds</i>                 |
|-----|---|----------------------|---|
| 1.  | Community Service Postgraduate students | 2017                 | Hibah Pengabdian Pascasarjana Fakultas Peternakan UGM |
| 2.  | Sekolah Lapang Ayam Jawa Super          | 2021                 | Dinas Pertanian, Pangan dan                           |

| No. | Judul Kegiatan<br><i>Activity Title</i>   | Tahun<br><i>Year</i> | Sumber Dana<br><i>Source of Funds</i>          |
|-----|---|----------------------|--|
|     |   |                      | Perikanan<br>Kabupaten<br>Sleman               |
| 3.  | Program Pembinaan Santri-preneur Rumah Sajada: Pemanfaatan Kemandirian Ekonomi Pesantren melalui Peternakan <i>Free Range Laying Hens</i> di Kabupaten Sleman | 2021                 | Hibab Pengabdian<br>Fakultas<br>Peternakan UGM |
| 4.  |   |                      |  |
| 5.  |   |                      |  |
| 6.  |   |                      |  |
| 7.  |   |                      |  |
| 8.  |   |                      |  |
| 9.  |   |                      |  |
| 10. |   |                      |  |

#### Important publications over the last 5 years

| No<br>. | Judul Publikasi<br><i>Publication Title</i>  | Tahun<br><i>Year</i> | Penerbit<br><i>Publisher</i>                                    |
|---------|--|----------------------|---|
| 1.      | The Potential Use of Essential Oil Nanoemulsion as a Novel Alternative to Antibiotics in Poultry Production-A Review                               | 2020                 | Iranian Journal of Applied<br>Animal Science<br>10 (2): 203-212 |
| 2.      | Effect of self-nanoemulsifying drug delivery system (SNEDDS) of cinnamon bark essential oil on broiler chicken performance                         | 2020                 | Livestock Research for Rural<br>Development<br>32 (6)           |
| 3.      | Cinnamon bark oil and coconut oil emulsions modified small intestinal motility and barrier function in laying hens in an <i>ex vivo</i> experiment | 2021                 | British Poultry Science<br>62 (3): 435-442                      |
| 4.      |  |                      |   |
| 5.      |  |                      |   |
| 6.      |  |                      |   |

#### Courses

1. Nutrisi Ternak Dasar
2. Nutrisi Pakan Ternak
3. Ransum Unggas