Staff Handbook

Name	*Dr. Aji Praba Baskara, S.Pt.*		
Post	*Animal Nutrition and Feed Science*		
Academic career	*Doctorate* *Undergraduate degree*	*Universitas Gadjah Mada* *Universitas Gadjah Mada*	*2015* *2010*
Employment	*Permanent Lecture*	*Universitas Gadjah Mada*	*2021-present*
Research and development projects over the last 5 years	*Research projects:* 1. *Evaluation of the antimicrobial activity of cinnamon oil nanoparticles (Cinnamomum burmannii) in broiler chicken using next-generation sequencing (NGS) (2020)* *Source of Funds: RTA Universitas Gadjah Mada* 2. *Short-chain fatty acids promote jejunal barrier function and cecal muscle contractibility (2018)* *Source of Funds: Austrian Federal Ministry for Digital and Economic Affairs and the National Foundation for Research, Technology and Development BIOMIN Holding GmbH.* 3. *Cinnamon bark oil and coconut oil emulsions modified small intestinal motility and barrier function (2018)* *Source of Funds: Ministry of Research Technology, and Higher Education of the Republic of Indonesia.* 4. *Antimicrobial and Immunomodulatory Effects of Cinnamon essential oil Nano-Particle (Cinnamomum burmannii) that Given to Broiler Chicken Through Drinking Water (2017)* *Source of Funds: Ministry of Research Technology, and Higher Education of the Republic of Indonesia.* *Community Service over the last 5 years* 1. *Super Java Chicken Field School (2021)* *Source of Funds: Department of Animal Science, Food, and Agriculture of Sleman Regency.* 2. *Rumah Sajada Santri-preneur Development Program: Strengthening the Economic Independence of Islamic Boarding Schools through Free Range Laying Hens Livestock in Sleman Regency (2021)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants.* 3. *Community Service Postgraduate students (2017)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants*		

Industry collaborations over the last 5 years	-
Patents and proprietary rights	-
Important publications over the last 5 years	*Total number of publications: 3* 1. *Cinnamon bark oil and coconut oil emulsion modified small intestinal motility and barrier function in laying hens in an ex vivo experiment (**A. P Baskara**, S. Sharma, A Sener-Aydemir, S. Koger, B. Ariyadi, N. D. Dono, Z. Zuprizal, B. U Metzler-Zebeli) (2021)* *Publisher: British Poultry Science 62 (3): 435-442.* 2. *The Potential Use of Essential Oil Nanoemulsion as a Novel Alternative to Antibiotics in Poultry Production- A Review (**A.P Baskara,** B. Ariyadi, N.D. Dono, R. Martien, and Z. Zuprizal) (2020)* *Publisher: Iranian Journal of Applied Animal Science 10 (2):203-212.* 3. *Effect of self-nano emulsify drug delivery system (SNEDDS) of cinnamon bark essential oil on broiler chicken performance (**A.P Baskara,** B. Ariyadi, N.D. Dono, R. Martien, and Z. Zuprizal) (2020)* *Publisher: Livestock Research for Rural Development 32 (6).*
Activities in specialist bodies over the last 5 years	-