

Name : Dr. Muhsin Al Anas
 Post : Fauna Street 03, Bulaksumur, Yogyakarta, Indonesia
 Academic career : 1. Postdoc, Fulbright Visiting Scholar
 United State of America ((2021-2022)
 2. Animal Nutrition (Dr)
 Faculty of Animal Science, Universitas Gadjah Mada,
 Indonesia (2016-2020)
 3. Animal Science Engineer (Ir)
 Faculty of Animal Science, Universitas Gadjah Mada,
 Indonesia (2020-2021)
 4. Animal Science (S.Pt./Bachelor)
 Faculty of Animal Science, Universitas Gadjah Mada,
 Indonesia (2010-2015)
 5. Certificate II in Agriculture, Charles Darwin University,
 Australia (2013)

Research over the last 5 years

No	Judul Penelitian <i>Research Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
1.	The substitution of soybean meal with jack bean (<i>Canavalia ensiformis</i>) for broiler feed	2021-Now	PT. Widodo Makmur Perkasa and Faculty of Animal Science UGM Research Grant
2.	Monitoring system of broiler welfare, health, and productivity using sound analysis with CZN-15E sensor connected on ARDUINO-UNO	2021-Now	Directorate of Higher Education, Ministry of Education, Culture, Research, and Technology
3.	Respiration Chamber with Smart Technology for Calculating Greenhouse Gases Production on Ruminants in Real Time Applied with IOT System	2021-Now	Directorate of Higher Education, Ministry of Education, Culture, Research, and Technology
4.	Development of Bio char Feed Additive Technology With Essential Oil Supplement to Reduce Aflatoxin B1 Toxicity in Broiler	2021-Now	Directorate of Higher Education, Ministry of Education, Culture, Research, and Technology
5.	Development of Rumen Undegradable Nutrient Technology to Improve Efficiency of Feed Utilization and Weight Gain of Sheep	2021-Now	Directorate of Higher Education, Ministry of Education, Culture, Research, and Technology
6.	Development of Essential Oil Combination to Inhibit Regulation of Aflr <i>Aspergillus flavus</i> Gene on Aflatoxin B1 Synthesis in Maize	2021-Now	Directorate of Higher Education, Ministry of Education, Culture, Research, and Technology
7.	Nano-Bio char Pellet Technology with Tannin and Essential Oil Supplement as A Methane-Reduction Feed Additive in Ruminants	2021-Now	Directorate of Higher Education, Ministry of Education, Culture, Research,

			and Technology
8.	Improving Broiler Productivity with Guanidino Acetic Acid (Creamino) in Feed	2021-Now	PT. Widodo Makmur Perkasa
9.	The Substitution of Soybean Meal with Palm Kernel Meal and Palm Kernel Hydrolysed as A Protein Source in Broiler Feed	2021-Now	PT. Widodo Makmur Perkasa
10.	Improving The Productivity and Quality of Duck Meat with Supplementation of Krill and Shrimp Meal as Protein Feed Source	2021-Now	PT. PT.Agru Cipta Solusindo
11.	Improving Omega-3 in Eggs with Feed Supplementation Containing with Krill and Shrimp Meal in Laying Hen Feed	2021-Now	PT. Agru Cipta Solusindo
12.	Study of Various Protein Feed to Improve Poultry Productivity	2021-Now	PT. PT.Agru Cipta Solusindo
13.	The Efficacy of Toxisorb on Broiler and Layer	2021-Now	Clariant Indonesia
14.	Effect of <i>Myristica fragrans</i> Essential Oil Supplementation in Feed on Gastrointestinal Growth, Carcass Quality, and Broiler Productivity	2020	Faculty of Animal Science UGM Research Grant
15.	Impact of GUSTOR BP70 and Essential Oils (EO-FIT POULTRY) on Small Intestinal Histology and Growth Performances in Broiler	2019-2020	NOREL Animal Nutrition, Spain
16.	Dietary Natural-Guard (Blend Essential Oils) Improve Chicken Productivity (Layer And Broiler)	2018-2019	PT. Central Proteina Prima
17.	Evaluation of Toxin Binders to Ameliorate Aflatoxicosis B ₁ in Broiler Productivity	2018	EW Nutrition
18.	Development of Agromix Super (Premix) as Immune Stimulator to Improve Productivity and Livestock Product Quality	2017-2019	Directorate of Higher Education, Ministry of Education, Culture, Research, and Technology
19.	Effect of Agromix Booster Supplementation on The Development of Gastrointestinal Tract, Productivity, and Product Quality of Laying Hens	2017-2019	Directorate of Higher Education, Ministry of Education, Culture, Research, and Technology
20.	Reduction of Aflatoxin Toxicity in Broiler with Sulphur Amino Acids	2017-2019	Directorate of Higher Education, Ministry of Education, Culture, Research, and Technology

Community Service over the last 5 years

No.	Judul Kegiatan Activity Title	Tahun Year	Sumber Dana Source of Funds
1.	Technology Transfer of Duck Breeding in Bulan Village, Wonosari, Kaltan Region, Central Java	2021-Now	Individual fund from youth farmer group
2.	Gembala Gunung: Development of Extensive Sheep Breeding in Ayo Angon Livestock Group, Buyutan, Nagalang Village, Gedangsari, Gunungkidul, Yogyakarta	2021-Now	Directorate of Higher Education, Ministry of Education, Culture, Research, and Technology
3.	Food Bank: Development of Young Generations that Care about Food Security during Pandemic Covid-19 Situation in Pedak Village, Karangbendo, Bantul,	2021-Now	Directorate of Higher Education, Ministry of Education,

	Yogyakarta		Culture, Research, and Technology
4.	Training on Breeding and Livestock Management Business of Free-Ranch Chicken in Sleman Regency, Yogyakarta	2021-Now	Government Agency of Agriculture, Food, and Marine, Sleman District
5.	Feed Concentrate Production Containing Rumen-Undegradable Nutrient in Ayo Angon Livestock Group, Ngalang Village, Gedangsari, Gunungkidul, Yogyakarta	2021-Now	Faculty of Animal Science Grant for Empowerment
6.	Village Youth Hope to Develop a Livestock Farm in Ngalang Village, Gedangsari, Gunungkidul	2021-Now	Faculty of Animal Science Grant for Empowerment
7.	Sustainable Integrated Farming: "Maggot Farm" The Solution of Waste Management in Gondangsari Village, Pakis, Magelang, Central Java	2021-Now	Faculty of Animal Science Grant for Empowerment
8.	Feed Management Training for Farmer	2021	Red Meat Cattle Partnership, Australia
9.	Ayo Angon: "Skills for Future Livestock Farmers" Youth Empowerment Program in Livestock Sector to Improve Their Skills and Prosperity Level in Ngalang Village, Gedangsari, Gunungkidul	2020-Now	Australia Alumni Grant Scheme
10.	Sheep Village: Development of Sheep Breeding Center to Improve The Society Economy in Kadilanggon Village, Wedi District, Klaten Regency (Cooperated with BUMDES Kadilanggon)	2020-Now	Kadilanggon Villange Fund
11.	Socialization and Training about Layer Breeding to Produce Functional Eggs in Mekar Women Farmers Groups Ngalian, Widomartani, Ngemplak, Sleman	2021	Government Agency of Agriculture, Food, and Marine, Sleman District
12.	Development of Eco-Friendly Livestock using Feed Supplement Technology based on Natural Bioactive ff Tropical Plants in Ayo Angon Farmer Group, Buyutan, Ngalang Village, Gedangsari, Gunungkidul	2020	Faculty of Animal Science Grant for Empowerment
13.	Happy Chicken Breeding: The Effort of Providing Food Protein Source Independently	2020	PT. Widodo Makmur Unggas
14.	Community Services through Free-Ranch Laying Hens Breeding to Produce Functional Eggs at Pondok Pesantren Is Aswaja Lintang Songo, Pagergunung, Piyungan, Bantul	2020	PT Widodo Makmur Unggas dan Laboratory of Nutritional Biochemistry, UGM
15.	Community Services through Free-Ranch Laying Hens Breeding to Produce Functional Eggs at Dasawisma Dewi Sari Women Group, Buyutan, Gadingsari, Sanden, Bantul	2020	PT Widodo Makmur Unggas dan Laboratory of Nutritional Biochemistry
16.	Community Services for Developing The Village in Balak, Pendoworejo, Girimulyo, Kulonprogo Region	2020	Society of Biochemistry and Molecular Biology Indonesia
17.	Community Services for Developing The Village in Balak, Pendoworejo, Girimulyo, Kulonprogo Region	2020	Society of Biochemistry and Molecular Biology Indonesia
18.	Introduction of Poultry Industry-Feed Technology for	2020	Universitas Gadjah

	Improving Poultry Gastrointestinal Activities		Mada Fund
19.	Community Services through Free-Ranch Laying Hens Breeding to Produce Functional Eggs at Pondok Pesantren Irsyadul Anam, Kiyudan, Selomartani, Kalasan, Sleman, Yogyakarta	2020	PT Widodo Makmur Unggas dan Laboratory of Nutritional Biochemistry
20.	Development of Eco-Friendly Livestock Using Feed Supplement Technology based on Natural Bioactive of Tropical Plants in Ayo Angon Farmer Group, Buyutan, Ngalang Village, Gedangsari, Gunungkidul	2020	Faculty of Animal Science Grant for Empowerment
21.	Training of Feed Technology Development in Manunggal Farmer Group, Sayegan, Sleman, Yogyakarta	2020	Laboratory of Nutritional Biochemistry, Faculty of Animal Science UGM
22.	Development of Apprentice Program for Improving The Skills of Animal Science Graduated Students in Cattle Industry	2019	Indonesia-Australia Red Meat Cattle Partnership
23.	Improvement Of Feed Processing Skills In Sedyo Rukun Farmer Group, Berbah, Sleman	2018-2019	Empowerment Grant, Ministry of Education, Culture, Research, and Technology

Important publications over the last 5 years

No .	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
1	The Potency of Traditional Market Vegetable Waste as Ruminant Feed in the Special Region of Yogyakarta	2021	Advances in Animal and Veterinary Sciences
2	Impact of Natural Oil Blend Formulation (NOBF) on Calves during Transportation	2021	Asian Journal of Animal and Veterinary Advances
3	Effect of methionine supplementation to lower aflatoxicosis B1 on intestinal morphology in broilers	2020	Livestock Research for Rural Development
4	Survey of aflatoxin B1 contamination in broiler feed from small-scale farms in Special Region of Yogyakarta, Indonesia	2020	Livestock Research for Rural Development
5	Increasing in productivity of laying hen fed by natural guard essential oils supplementation	2020	International Journal of Current Advanced Research
6	Efficacy of natural herbal formulation "NATURALGUARD" as AGP replacement on swine productivity in Indonesia	2020	International Journal of Current Advanced Research
7	In vitro gas production kinetics as influenced by the combination of <i>Leucaena leucocephala</i> , <i>Swietenia mahagoni</i> , and <i>Artocarpus heterophyllus</i> as a tannin source	2020	IOP Conferences series Earth and Environment.
8	The effect of BAV addition as feed additive in laying hen ration on quality and chemical composition of egg.	2020	IOP Conferences series Earth and Environment
9	Effect of <i>Leucaena leucocephala</i> leaves as tannin source on rumen microbial enzyme	2020	IOP Conferences series Earth and Environment.

	activities and in vitro gas production kinetics		
10	Effect of blend of natural essential oils addition in the drinking water on productivity, carcass yield and meat quality of broiler.	2019	IOP Conferences series Earth and Environment
11	Effect of <i>Leucaena leucocephala</i> substitution on in vitro rumen fermentation and methane emission in thin tailed-sheep	2019	IOP Conferences series Earth and Environment
12	Protein Binding Capacity of Different Forages Tannin	2018	IOP Conferences series Earth and Environment.
13	<i>Calliandra calothyrsus</i> as tannins source for in vitro methane production inhibitor agent	2017	International Seminar on Tropical Animal Production.

Courses

The subjects:

- a. Basic of Biochemistry
- b. Animal Biochemistry
- c. Toxicology
- d. Basic of Enzymology and Fermentation Technology
- e. Basic of Microbiology

More information

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