

## STAFF HANDBOOK

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Post	:	Teknologi Pengolahan Daging.
Academic carrer	:	S1 UGM      Peternakan S2 UGM      Ilmu Peternakan S3 Niigata University Biosphere Science
Employment	:	

### Research over the last 5 years

No.	Judul	Tahun	Sumber Dana	Jumlah Dana (Rp)
1.	Upaya Peningkatan Produktivitas Kambing Kacang Sebagai Plasma Nutfah Indonesia Melalui Pendekatan Komprehensif Pakan dan Pemeliharaan: Penggunaan Pakan Sumber Protein yang Bersifat Ruminally Undegraded dan Protein Digestible Intestine Tinggi Dikombinasikan dengan Pakan yang Mempunyai Sifat Anthelmintic Agent (Tahun Ke-2) (Anggota)	2017	PUPT, DIKTI	225.605.000
2.	Optimasi Proses Isolasi Kolagen dari Kulit Kambing Lokal Indonesia untuk Produk Pangan Kesehatan (Anggota)	2017	PMDSU	58.000.000
3.	Studi Potensi Peptida Bioaktif dari daging Kerbau Asli Indonesia Sebagai Ageb Antihipertensi (Anggota)	2017	Tematik Laboratorium Fak. Peternakan UGM	15.000.000
4.	Sosis Organ Dalam Ayam	2017	Swadaya	5.000.000
5.	Pengaruh Penambahan Wortel Mentah dan Matang terhadap Kualitas Fisik Kimia Sensoris dan Mikrostruktur Bakso Daging Ayam	2017	Swadaya	5.000.000
6.	Pengaruh Jenis Pewarna dan Pengawet Terhadap Karakteristik Mikrobiologis, Kimia, dan Sensoris Sosis Ayam Fermentasi (Ketua dari 4 Peneliti)	2016	Hibah Tematik Laboratorium Fakultas Peternakan UGM	15.000.000
7.	Reservasi Daging Sapi dengan	2016	Hibah Pascasarjana Fakultas	15.000.000

	Penambahan Ekstrak Daun Kecombrang pada Suhu Refrigerator (Ketua dari 3 Peneliti)		Peternakan UGM	
8.	Optimasi Proses Isolasi Kolagen dari Kulit Kambing Lokal Indonesia untuk Produk Pangan Kesehatan (Anggota dari 4 Peneliti)	2016	PMDSU	58.695.000
9.	Upaya Peningkatan Produktivitas Kambing Kacang sebagai Plasma Nutfah Indonesia melalui Pendekatan Komprehensif Pakan dan Pemeliharaan: Penggunaan Pakan Sumber Protein yang Bersifat Ruminally Undegraded dan Protein Digestible Intestine Tinggi Dikombinasikan dengan Pakan yang Mempunyai Sifat Anthelmintic Agent (Anggota dari 3 Peneliti)	2016	PUPT DIKTI	147.500.000
10.	Kajian Bahan Pewarna Alami Sumber Antioksidan dan Antibakteri untuk Produksi Sosis Daging Ayam sebagai Pangan Fungsional (Anggota dari 4 Peneliti)	2016	PUPT DIKTI	60.000.000
11.	Formulasi Sosis Ayam dengan Imbangan Daging dan Filler yang Berbeda untuk Meningkatkan Kualitas Kimia, Fisik dan Sensoris (Anggota dari 4 Peneliti)	2015	Hibah Penelitian Tematik Laboratorium Fakultas Peternakan UGM	12.500.000
12.	Kualitas Fisika Kimia Sosis Fermentasi dengan Penambahan Tepung Sisa dari Kedelai	2015	Swadana	3.000.000
13.	Pengaruh Level Kentang terhadap Kualitas Fisika Kimia dan Sensoris Kornet Kerbau	2015	Swadana	2.500.000
14.	Prosesing Sosis dengan Bahan Pewarna Alami, Pengenyal Alami dan Selongsong Alami untuk Peningkatan Kualitas Sosis Daging Ayam (Anggota dari 4 Peneliti)	2014	Hibah Penelitian Fakultas Peternakan UGM	12.000.000
15.	Pengaruh Pemberian Hidrolisat Protein Kedelai Terhadap Angka Peroksida dan Sifat Sensoris Daging Sapi (Anggota)	2013	Penelitian Unggulan Perguruan Tinggi, Insentif Penelitian Mahasiswa	7.500.000
16.	Pengaruh Suhu Pemasakan terhadap Kualitas Fisik, Kimia, Sensoris, dan Mikrostruktur Sosis Daging Sapi dengan Penambahan	2013	Hibah Penelitian Pascasarjana Fakultas Peternakan UGM	10.000.000

	Lemak Tidak Jenuh yang Diproses dengan Teknologi Vacuum Drying (Anggota)			
17.	Sifat Pemasakan, Tekstur dan Mikrostruktur Bakso yang Difortifikasi Nanopartikel Kalsium Laktat Kerabang Telur (Anggota)	2013	Hibah Penelitian Pascasarjana Fakultas Peternakan UGM	10.000.000
Total				662.300.000

### Community service over the last 5 years

No.	Judul	Tahun	Sumber Dana	Jumlah Dana (Rp)
1.	Sapi Potong "Pengolahan Produk" (Kuliah Gratis "Bagimu Petani Kami Mengabdikan")	2017	Dana Tidak Mengikat	
2.	Pelatihan Labelling dan Pemasaran Online pada Kelompok Usaha Pengolahan Hasil Ternak 'Kompak' Sleman, Yogyakarta	2017	Hibah Tematik Laboratorium Fak. Peternakan UGM	10.000.000
3.	Pelatihan Pengemasan dan Introduksi Teknologi Mesin Pemanggang Sate Otomatis Untuk Pedagang Sate Kambing di Kecamatan Imogiri	2017	Hibah Pascasarjana Fak. Peternakan UGM	10.000.000
4.	Pelatihan Pengemasan dan Higienitas Produk Hasil Ternak Pada Kelompok Pengolahan Daging "Kompak" Sleman, Yogyakarta dan Transfer Teknologi Pengolahan Susu (Anggota)	2016	Hibah Tematik Pengabdian Fakultas Peternakan	10.000.000
5.	Pembangunan Desa Integrated Farming System (Desa IFS): Sinergi Teknologi Tepat Guna, Bentang Alam dan Budaya	2016	BPPTNBH (Bantuan Pendanaan PTN BH)	15.800.000
6.	Open House "Pengolahan Hasil Ternak" pada kegiatan pengabdian "Bagimu Petani Kami Berbakti" (tanggal 3 September 2016)	2016	PT SANTORI	2.600.000
7.	Pelatihan Penyusunan Standard Operating Procedures Pemilihan dan Penangan Bahan Baku Daging dalam Implementasi Good Manufacturing Practices pada Kelompok Pengolahan Daging "Kompak" Sleman, Yogyakarta	2015	Hibah Pengabdian Tematik Laboratorium Fakultas Peternakan UGM	7.500.000
8.	Pengolahan Ganyong dan Pemasarannya dengan Berbasis	2015	BPPTNBH (Bantuan Pendanaan PTN BH)	5.000.000

Ekonomi Kreatif				
9.	Pembinaan Kelompok Pengolah Hasil Peternakan "Kompak" di Sleman Yogyakarta tentang Good Manufacturing Practices, Packaging, Labeling dan Marketing	2014	Hibah Pengabdian Tematik Laboratorium Fakultas Peternakan UGM	7.500.000
10.	Penggunaan Pakan Tambahan Sumber Protein pada Kambing Bligon, pada Musim Kemarau di Kelompok Wanita Tani Gunungkidul	2014	Hibah Pengabdian Program Pascasarjana Fakultas Peternakan UGM	10.000.000
11.	Peningkatan Gizi Keluarga melalui Produk Hasil Ternak kepada Paguyuban Ibu-Ibu RW 07 Kelurahan Bener, Yogyakarta	2014	Swadana	1.000.000
12.	"Good Manufacturing Practices, Packaging dan Labeling serta Marketing pada Pedagang Olahan Daging "Kompak" di Sleman, Yogyakarta	2014	Swadana	7.500.000
Total				86.900.000

#### Industry collaboration over the last 5 years

No.	Judul	Tahun	Mitra	Jumlah Dana (Rp)
-	-	-	-	-

#### Patent and proprietary rights

No.	Judul	Tahun	No. Sertifikat
-	-	-	-

#### Important publications over the last 5 years

No.	Judul	Tahun	Dimuat pada
1.	Improved Productivity of Kacang Goats Reared by Farmers Using Balanced Rations with Different Sources of Protein	2017	Pakistan Journal of Nutrition, Volume: 16 No. 9, 2017. Pages: 672-677. ISSN 1680-5194. DOI: 10.3923/pjn.2017.672.677.URL: <a href="http://scialert.net/abstract/?doi=pjn.2017.672.677">http://scialert.net/abstract/?doi=pjn.2017.672.677</a> . Published by: ANSInet.
2.	Nutritional Value and In Vitro Digestibility of Shrimp Waste Fermented with <i>Isoptericola</i> sp. A10-1	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 117-121. ISBN: 978-979-1215-29-9
3.	The Effect of Fermentation on the Nutritional Content of	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14,

	Amorphophallus sp. as Poultry Feed		2017, Yogyakarta, Indonesia. Pages: 313-318. ISBN: 978-979-1215-29-9
4.	Physical and Sensory Characteristics of Broiler Chicken Sausages with Addition of Spirulina (Arthrospira Platensis)	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 441-445. ISBN: 978-979-1215-29-9
5.	Increased Physical and Morphological Properties of Edible Film Bovine Split Hide Gelatin With The Addition of SPI and Transglutaminase	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 446-450. ISBN: 978-979-1215-29-9
6.	The Effect of Ruminally Undegradable Protein Using Formaldehyde on the Nitrogen Balance and Productivity of Kacang Goat	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 905-909. ISBN: 978-979-1215-29-9
7.	Profile of rumen fermentation and blood urea nitrogen concentration of Kacang goat fed total mixed ration vs. roughage	2017	Program and Abstract Book of the Sixth SAADC Conference, Batu 16 – 19 October 2017 “Wisdom of Using Local Resources for Development of Sustainable Animal Production in Developing Countries”. Batu City, Indonesia. Page: 46
8.	Preparation and characterization of protein extracted from beef heart by acid solubilization isoelectric precipitation	2017	Program and Abstract Book of the Sixth SAADC Conference, Batu 16 – 19 October 2017 “Wisdom of Using Local Resources for Development of Sustainable Animal Production in Developing Countries”. Batu City, Indonesia. Page: 158.
9.	Energy Utilization, VFA, and A/P Ratio of Kacang Goat Fed Total Mixed Ration Containing Different Treatments of Soybean Meal	2017	Proceedings of The 2nd International Conference on Animal Nutrition and Environment (ANU-NUE2017). 1-4 November 2017, Volume II. Pages: 148-152. Tropical Feed Resources Research and Development Center (TROFREC), Department of Animal Science, Faculty of Agriculture, Khon Kaen University.
10.	Formaldehyde Protected Soybean Meal in Total Maxed Ration for Kacang Goat to Increase the Production	2017	Proceedings of The 2nd International Conference on Animal Nutrition and Environment (ANU-NUE2017). 1-4 November 2017. Proceedings, Volume II. Pages: 286-289. Tropical Feed Resources Research and Development Center (TROFREC), Department of Animal Science, Faculty of Agriculture, Khon Kaen University.
11.	Nutrient Evaluation of Fermented Amorphophalus Campanulatus as Poultry Feed	2017	International Journal of Poultry Science. p-ISSN 1682-8356 e-ISSN: 1682-8356. Online first. DOI: 10.3923/ijps.2017
12.	Nutritional Composition and Anti-Nutrient Content of Elephant Foot am	2017	Pakistan Journal of Nutrition online first 2017. pISSN: 1994-7984 e-ISSN; 1680-5194. Published by: Asian Network for Scientific Information.

	(Amorphophallus campanulatus)		
13.	Pengaruh Bangsa, Umur, Jenis Kelamin terhadap Kualitas Daging Sapi Potong di Daerah Istimewa Yogyakarta	2017	Buletin Peternakan Vol. 41 (2): 176-186, Mei 2017 ISSN-0126-4400 E-ISSN-2407-876X DOI: <a href="https://doi.org/10.21059/buletinpeternak.v41i2.9935">https://doi.org/10.21059/buletinpeternak.v41i2.9935</a>
14.	Diversifikasi Produk Peternakan untuk Peningkatan Konsumsi Protein Hewani di Daerah Rawan Panga	2017	Presentasi Oral pada Pembekalan Pendamping Daerah Rawan Pangan, Fakultas Peternakan UGM, 10-11 Agustus 2017
15.	Profile of Rumen Fermentation and Blood Urea Nitrogen Concentration of Kacang Goat Fed Total Mixed Ration Vs. Roughage	2017	IOP Conf. Series: Earth and Environmental Science Vol. 119 (2018) 012049. doi :10.1088/1755-1315/119/1/012049
16.	Pengaruh Level Angkak terhadap Komposisi Kimia dan Sifat Fisik Sosis Daging Ayam Broiler (Penulis ke-3 dari 7)	2016	Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 400
17.	Improving the Performance of Local Kacang Goats Using Ruminally Undegradable Protein Feeds (Penulis ke-4 dari 5)	2016	Asian Journal of Animal Sciences 10(4):262-267 · August 2016. ISSN: 1819-1878
18.	Nutritional Status of Kacang Goats Fed Ruminally Undegradable Protein to Improve their Productivity (Penulis ke-3 dari 5)	2016	Proceedings The 17 <sup>th</sup> Asian-Australasian Association of Animal Production Societies (AAAP) Animal Science Congress. August 22-25, 2016. Fukuoka, Japan
19.	Shrimp Waste Fermentation by <i>Isotericola</i> Sp. Strain A10-1 as Feed Compound for Improve Yield Carcas and Performance of Magelang Duck (Penulis ke-6 dari 6)	2016	Proceedings of the 1 <sup>st</sup> UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia
20.	Edible Portion of Carcass and Offals of Indonesian Yearling Kacang Buck Fed Ruminally Undegradable Protein (Penulis ke-4 dari 6)	2016	Proceedings of the 1 <sup>st</sup> UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia
21.	Antioxidant Activity and Colour of Sausage Fortified with <i>Angkak</i> and Beet ( <i>Beta vulgaris</i> ) (Penulis ke-3 dari 6)	2016	The 1 <sup>st</sup> Gadjah Mada International Conference on Health Sciences (ICHS), October 28-29th, 2016. Yogyakarta, Indonesia

22.	Pengaruh Fortifikasi Nanopartikel Kalsium Laktat Kerabang Telur terhadap Sifat Kimia dan Fisik Bakso Ayam (Penulis ke-2 dari 2)	2016	Buletin Peternakan Vol. 40 No. 1 (2016). Hal. 40-47. ISSN: 0126-4400
23.	Kualitas Sosis Daging Sapi yang Difortifikasi dengan Minyak Ikan KOD dan Minyak Jagung dan Diproses Menggunakan Metode Pemasakan yang Berbeda (Penulis ke-5 dari 5)	2016	Buletin Peternakan Vol. 40 No. 1 (2016). Hal. 48-57. ISSN: 0126-4400
24.	Effect of a-Tocopherol and Ascorbic Acids on Performance and Blood Immunity Profile of Male Native Muscovy Duck (Penulis ke-3 dari 5)	2016	Journal of the Indonesian Tropical Animal Agriculture Vol. 41(3):145-152. ISSN: 2460-6278
25.	Blood Lipid Profile of Hypercholesterolemia Rattus norvegicus L. Fed with Sausages Containing Omega 3 and Omega 6 Fatty Acids	2015	The 6 <sup>th</sup> ISTAP International Seminar on Tropical Animal Production, pages: 480-484. ISBN: 978-979-1215-26-8
26.	Carcass Production and Chevron Quality of Kacang Buck Reared Traditionally in Grobogan, Central Java, Indonesia	2015	The 6th ISTAP International Seminar on Tropical Animal Production pages: 694-698. ISBN: 978-979-1215-26-8
27.	Study on the Physico-Chemical Characteristics and Microstructure of Meat from Goat Given Ration Papaya Leaves ( <i>Carica papaya</i> L.)	2015	The 6th ISTAP International Seminar on Tropical Animal Production, pages: 709-713. ISBN: 978-979-1215-26-8
28.	Implementation of Good Manufacturing Practices in Halal Certified Cattle Slaughterhouses in Daerah Istimewa Yogyakarta	2015	The 6 <sup>th</sup> ISTAP International Seminar on Tropical Animal Production, pages: 803-809. ISBN: 978-979-1215-26-8
29.	Firmness And Microstructure Properties Of Chicken Meatball Fortified With Eggshell Calcium Powder	2014	The 16th Asian-Australasian Association of Animal Production Societies (AAAP) Animal Science Congress Vol. II pages: 1280-1283. ISBN: 978-602-8475-87-7
30.	The Effect of Ginger ( <i>Zingiber officinale</i> Linn Var. Rubrum) Addition and Soaking Time on Chemical Composition and Total Microbial of Goat Meat	2014	The 16th Asian-Australasian Association of Animal Production Societies (AAAP) Congress Vol. II pages: 2513-2515. ISBN: 978-602-8475-87-7

31.	Physical and Sensory Quality of Sheep Meat Sate Grilled with Different Time and Fuel	2014	The 16 <sup>th</sup> Asian-Australasian Association of Animal Production Societies (AAAP) Animal Science Congress Vol. II pages: 1267-1269. ISBN: 978-602-8475-87-7
32.	Chemical Composition and Food Safety of Sheep Meat Sate Grilled with Different Time and Fuel	2014	The 16 <sup>th</sup> Asian-Australasian Association of Animal Production Societies (AAAP) Animal Science Congress Vol. II pages: 1270-1272. ISBN: 978-602-8475-87-7
33.	Isolation And Characterization Of Protease Producing Strain Bacillus cereus From Odorous Farm Soil In Tropical Area	2014	The 16 <sup>th</sup> Asian-Australasian Association of Animal Production Societies (AAAP) Animal Science Congress Vol. II pages: 1308-1311. ISBN: 978-602-8475-87-7
34.	Effect of Vitamin E and C Supplementation In Feed on Carcass, Abdominal Fat and Meat Fat Percentage of Muscovy Duck	2014	The 16 <sup>th</sup> Asian-Australasian Association of Animal Production Societies (AAAP) Animal Science Congress Vol. II pages: 702-705. ISBN: 978-602-8475-87-7
35.	Carcass Characteristics of Bligon and Kejobong Goats	2014	The 16 <sup>th</sup> Asian-Australasian Association of Animal Production Societies (AAAP) Animal Science Congress Vol. II pages: 973-975. ISBN: 978-602-8475-87-7
36.	Effect of Soy Protein Hydrolysate Addition on Peroxide Value and Sensory Properties of Beef	2014	The 16 <sup>th</sup> Asian-Australasian Association of Animal Production Societies (AAAP) Animal Science Congress Vol. II pages: 2534-2538. ISBN: 978-602-8475-87-7
37.	Chemical Composition, Cooking, Physical and Sensorial Properties of Chicken Meatball Fortified With Eggshell Calcium Powder	2014	XIV <sup>th</sup> European Poultry Conference tanggal 23 – 27 Juni 2014
38.	The Effect of Cooking Temperature on Quality of Sausages with Unsaturated Fat Emulsions Addition and Processed with Vacuum Frying Technology	2014	XIV <sup>th</sup> European Poultry Conference tanggal 23 – 27 Juni 2014
39.	Pengaruh Proteksi CPO dengan Formaldehid terhadap Kecernaan dan Performa Domba Ekor Tipis	2015	Buletin Peternakan Vol. 39 (2) pages: 78-83. ISSN: 0126-4400
40.	Pengaruh Lama Pembakaran dan Jenis Bahan Bakar terhadap Kualitas Sensoris dan Kadar Benzo(a)piren Sate Daging Kambing	2014	Buletin Peternakan Vol. 3 pages: 189-196. ISSN: 0126-4400
41.	Karakteristik Mikroba dan Kimia Sosis Ayam dengan	2014	Buletin Peternakan Vol. 38 (3) pages: 197-204 ISSN: 0126-4400



	Penambahan Khitosan dan Angkak yang Disimpan pada Refrigerator		
42.	Supages:lementation Of Vitamin E And C In Feed On Meat Quality, Thiobarbituric Acid Reactive Substance (Tbars) And Myoglobin Level Of Muscovy Duck Meat	2014	Journal of Indonesia Tropical Animal Agriculture Vol. 39 (1) pages: 37-44. ISSN: 2087-8273
43.	Effect of Crude Palm Oil Protection with Formaldehyde on Hydrogenation of Rumen Fluid Unsaturated Fatty Acid: Its Effect on Blood and Meat Fatty Acid (Nafly C Tiven, Lies Mira Yusiati, Rusman, Umar Santoso)	2013	Indonesian Journal of Chemistry Vol. (13) (2) pages: 142-148. ISSN: 1411-9420
44.	Effect of the Electrical Stimulation Length and Voltages on Chemical Composition, Physical Quality and Sensory of Culled Layer Chicken Meat	2013	Buletin Peternakan Vol. 37 (1) pages: 26-33 ISSN: 0126-4400
45.	The Influence of Drying Methods, Seasoning Concentration and Curing Time on Physical and Sensory Quality of Dried Pork	2013	Buletin Peternakan Vol. 37 (1) pages: 34-40 ISSN: 0126-4400
46.	Effect of Crude Palm Oil Protection on Fermentation Parameter and Rumen Microbial Activity of Sheep (NC Tiven, Lies Mira Yusiati, Rusman, U. Santoso)	2012	Jurnal Animal Production Vol. 14 (3) pages: 141-146. ISSN: 1411-2027
47.	Effect of Giving Blacktea Waste Extract as Antioxidant Sources and Different Feed Energy-Protein Level on Oxidative Stability and Meat Quality of Broiler Chicken	2012	Buletin Peternakan Vol. 36 (2) pages: 75-86. ISSN: 0126-4400
48.	Carcass Weight Predictor Variables of Live Simmental Crossbreed Ongole Bulls	2012	Buletin Peternakan Vol. 36 (2) pages: 95-102. ISSN: 0126-4400
49.	Physical, Chemical, Sensory	2012	Buletin Peternakan Vol. 36 (2) pages:103-112.

	Characteristics, and B-Carotene Content of Meat Ball Made from Combination of Beef and Culled Spent Layers Meat with Katuk Leaves (Sauropus androgynus) Supages: lementation		ISSN: 0126-4400
50.	The Effect of Different Preparation Making and Drying Methods on Physical, Chemical, and Sensory Characteristics of Spicy Dried Dry-Cured Dendeng of Rabbit Meat	2012	Buletin Peternakan Vol. 36 (2) pages: 113-121. ISSN: 0126-4400

**Activities in specialist bodies over the last 5 years**

No.	Nama Organisasi	Tahun	Tingkat (Nasional/Internasional)
1	Ikatan Sarjana Peternakan Indonesia (ISPI)	1993- Sekarang	Nasional