



No.	Judul Penelitian <i>Research Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
13.	Modifikasi Proses Pembuatan “Dangke” dengan Sterilisasi Menggunakan Autoklaf	2019	Hibah Penelitian Tematik Laboratorium Fakultas Peternakan UGM
14.	Karakteristik Cured Egg Yolk Cookies dengan Perbedaan Perentase Substitusi susu bubuk skim	2019	Hibah Pascasarjana Fakultas Peternakan UGM
15.	Diversifikasi Keju Susu Kambing dengan Penambahan Asap Cair dan Glukomanan Porang ( <i>Amorphophallus oncophyllus</i> ): Studi efek antioksidan dan imunomodulator	2018	Penelitian Terapan Unggulan Perguruan Tinggi (PTUPT), Ristekdikti
16.	Optimasi Proses Isolasi Kolagen dari Kulit Kambing Lokal Indonesia untuk Produk Pangan Kesehatan	2018	Penelitian Pendidikan Magister menuju Doktor untuk Sarjana Unggul (PMDSU), Ristekdikti
17.	Karakteristik Mayones yang Diformulasi dengan Minyak Ikan Gabus ( <i>Channa striata</i> ) dan Susu Fermentasi	2018	Hibah Tematik Laboratorium, Fakultas Peternakan UGM
18.	Diversifikasi Keju Susu Kambing dengan Penambahan Asap Cair dan Glukomanan Porang ( <i>Amorphophallus oncophyllus</i> ): Studi efek antioksidan dan imunomodulator (Tahun Ke-1) (Ketua)	2017	PUPT, DIKTI
19.	Optimasi Proses Isolasi Kolagen dari Kulit Kambing Lokal Indonesia untuk Produk Pangan Kesehatan (Anggota)	2017	PMDSU
20.	Pengembangan Produk Fermentasi Susu Kambing Menggunakan Kultur <i>Lactobacillus paracasei</i> M104 dan <i>Pediococcus pentosaceus</i> M103) (Anggota)	2017	Tematik Laboratorium Fak. Peternakan UGM
21.	Evaluasi Isolat Bakteri Asam Laktat Asal Susu Kambing sebagai Starter untuk Produksi Susu Fermentasi (Anggota dari 4 Peneliti)	2016	Hibah Tematik Laboratorium Fakultas Peternakan UGM
22.	Peranan Starter Kombucha pada Fermentasi Susu Kambing Probiotik (Anggota dari 4 Peneliti)	2016	Hibah Penelitian Pascasarjana Fakultas Peternakan UGM
23.	Pengembangan Minuman Susu Fermentasi dengan Glukomanan Porang ( <i>Amorphophallus Oncophyllus</i> ) sebagai Produk Sinbiotik: Kajian terhadap Perbaikan Sindroma Metabolik dan Keragaman Mikrobiota Digesta (Ketua dari 3 Peneliti)	2016	PUPT DIKTI

### Community Service over the last 5 years

No.	Judul Kegiatan <i>Activity Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
1.	Diseminasi Pengolahan Dangke untuk Meningkatkan Nilai Tambah Susu Sapi di Kelompok Peternak Desa Purwobinangun Kecamatan Pakem-Sleman Yogyakarta	2020	Hibah Tematik Pengabdian Laboratorium Fakultas Peternakan UGM
2.	Diseminasi Olahan Telur Longegg dan Minuman Eggnog kepada Kelompok Proqram Kesejahteraan Keluarga Karangturi Desa Baturetno Kecamatan Banguntapan Bantul	2019	Hibah TTG, UGM
3.	Inisiasi Rendang Telur Kemasan untuk Usaha Pangan Siap Saji dalam Upaya Mendukung Penumbuhan Kewirausahaan di Dusun Somokaton Sitimulyo Piyungan Bantul	2019	Fakultas Peternakan Universitas Gadjah Mada
4.	Pemberdayaan Peternak Rakyat Sapi Perah melalui Implementasi Integrated Farming di Kelompok Ternak Desa Tahunan Kabupaten Pacitan	2019	Fakultas Peternakan Universitas Gadjah Mada
5.	Diseminasi Teknologi Tepat Guna Dalam Pengolahan Telur dan Pemanfaatan Kulit Telur di Pondok Pesantren Al Faata Desa Timbulharjo, Kecamatan Sewon, Kabupaten Bantul	2018	Hibah Desa Binaan, BPPTNBH
6.	Evaluasi dan Peningkatan Sanitasi Serta Higienitas dari Pelaku UMKM Susu Pasteurisasi di Daerah Istimewa Yogyakarta	2018	Hibah Pengabdian Tematik Laboratuim Fakultas Peternakan UGM
7.	Pengembangan Desa Agroindustri Susu Berbasis Potensi Lokal Melalui Komersialisasi Es Krim Susu Kambing ( Berbasis Desa Binaan)	2017	LPPM-UGM
8.	Pembuatan Produk Candy Milk Gama Aneka Rasa (Program Pembuatan Contoh Produk, Kerjasama dengan Mitra Andini Gotro Tambak Rejo)	2017	PUI UGM
9.	Pengembangan Produk Es Krim Kefir Susu Kambing sebagai Pangan Fungsional (Program Pembuatan Contoh Produk)	2017	PUI UGM
10.	Memberikan Pelatihan kepada Masyarakat : Narasumber Pelatihan Implementasi Standar Mutu dan Keamanan Pangan	2017	Badan POM DIY
11.	Narasumber dalam Kegiatan Pengelolaan dan Pemasaran Hasil Peternakan Sapi Perah Tahun Anggaran 2017 di Kantor Dinas Peternakan dan Perikanan Kabupaten Magelang	2017	Dinas Peternakan dan Perikanan Kabupaten Magelang
12.	Sapi Perah "Pengolahan Produk Susu" (Kuliah Gratis "Bagimu Petani Kami Mengabd")	2017	Dana Tidak Mengikat
13.	Diseminasi Teknologi Pengolahan Susu di Kelompok Ternak Andini Gotro	2017	Hibah Tematik Laboratorium Fak. Peternakan UGM

No.	Judul Kegiatan <i>Activity Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
14.	Penguatan Peternak Sapi Perah Menuju Konsep Agribisnis Persusuan yang Tangguh: Peningkatan Kualitas Susu Segar (Anggota)	2016	Hibah Tematik Pengabdian Fakultas Peternakan
15.	Penumbuhan Motivasi Peternak dalam Pengolahan Susu Pasteurisasi untuk Peningkatan Nilai Tambah Susu Kambing di Kelompok Ternak Bejo Dusun Kloposawit Girikerto Turi Sleman (Ketua)	2016	Hibah Pengabdian Program Pascasarjana Fakultas Peternakan UGM
16.	Open House "Pengolahan Hasil Ternak" pada kegiatan pengabdian "Bagimu Petani Kami Berbakti" (tanggal 3 September 2016)	2016	PT SANTORI

#### Important publications over the last 5 years

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
1.	Using kefir glucomannan to modify the diversity and composition of cecum bacterial in Sprague Dawley rats with metabolic syndrome (Desnilasari, D., Harmayani, E., Widada, J., <b>Nurliyani</b> )	2021	IOP Conference Series: Materials Science and Engineering, 2021, 1011(1), 012009
2.	Ice cream characteristic with cured egg yolk powder as whipping cream replacer (Citravia Agustin, <b>Nurliyani</b> , Jamhari).	2021	Jurnal Ilmu dan Teknologi Hasil Ternak (JITEK), 16 (1 ).DOI : 10.21776/ub.jitek.2021.016.01.2 11
3.	Quality of Goat Milk Cheese with Addition of Rice Bran oil Ripened Using Lactobacillus casei and Streptococcus thermophilus ( <b>Nurliyani</b> , Indratiningsih, Widodo , Endang Wahyuni)	2020	Jurnal Ilmu dan Teknologi Hasil Ternak (JITEK) Vol 15, No 1:1-12 March, 2020
4.	Characteristics of Purple Sweet Potato Yogurt and Its Effect on Lipid Profiles of Sprague Dawley Rats Fed with High Fat Diet (Lily Arsanti Lestari, Prasetyastuti, <b>Nurliyani</b> )	2020	Journal of Food and Pharmaceutical Sciences, Volume 8(2), 2020: 242-253 ISSN: 2339-0948 <a href="https://jurnal.ugm.ac.id/v3/JFPS/article/view/679/217">https://jurnal.ugm.ac.id/v3/JFPS/article/view/679/217</a>
5.	Imunologi Susu	2020	Buku: Cetakan 1, 320 hal. Penerbit: Gadjah Mada University Press, Yogyakarta. ISBN:978-602-386-830-8
6.	The honey and propolis production from Indonesian stingless bee: Tetragnola laeviceps (Agussalim, <b>Nurliyani</b> , Umami, N., Agus, A.)	2020	Livestock Research for Rural Development, 2020, 32(8)
7.	Physicochemical properties of honey	2019	IOP Conference Series: Earth

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	produced by the Indonesian stingless bee: <i>Tetragonula laeviceps</i> (Agussalim,, Agus, A., Nurliyani,, Umami, N., Budisatria, I.G.S.)		and Environmental Science, 2019, 387(1), 012084
8.	Characteristics of fermented goat milk using combination of kombucha and <i>Lactobacillus casei</i> starters ( <b>Nurliyani</b> , Indratiningsih,, Widodo, Sukarno, A.S., Suciati, F.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012077
9.	Evaluation of antioxidant activity, phenolic, flavonoid and Vitamin C content of several honeys produced by the Indonesian stingless bee: <i>Tetragonula laeviceps</i> (Agus, A., Agussalim, <b>Nurliyani</b> , Umami, N., Budisatria, I.G.S.)	2019	Livestock Research for Rural Development, 2019, 31(10)
10.	The sugar content profile of honey produced by the Indonesian Stingless bee, <i>Tetragonula laeviceps</i> , from different regions (Agussalim, A., Agus, A., <b>Nurliyani</b> , N., Umami, N.)	2019	Livestock Research for Rural Development, 2019, 31(6)
11.	The Effect of Different Starter Cultures of <i>Lactobacillus paracasei</i> M104 and <i>Pediococcus pentosaceus</i> M103 on the Physicochemical and Microbial Qualities of Fermented Goat Milk (W Widodo, AP Sakti, AS Sukarno, E Wahyuni, <b>N Nurliyani</b> )	2019	Jurnal Ilmu dan Teknologi Hasil Ternak (JITEK) 14 (2), 70-77
12.	Kestabilan emulsi dan oksidasi low fat mayonnaise menggunakan kefir sebagai alternatif emulsifier (H Evanuarini, <b>N Nurliyani</b> , I Indratiningsih, P Hastuti)	2019	Jurnal Ilmu-Ilmu Peternakan 29 (1), 83-94
13.	Physicochemical, Microbiological and Sensory Properties of Fermented Whey using Kombucha Inoculum (F Suciati, <b>N Nurliyani</b> , I Indratiningsih)	2019	Buletin Peternakan 43 (1): 52-57
14.	Synbiotic Cheese from Goat Milk Suppresses Indomethacin-induced Intercellular Cell Adhesion Molecule-1 (ICAM-1) Expression in a Rat Model of Gastric Injury (Salmi, <b>Nurliyani</b> and Sunarti)	2019	International Journal of Probiotics and Prebiotics Vol. 14, pp. 32–36
15.	Fatty Acid Profile of Synbiotic Cheese and its Effect on Intestinal Inflammation in Rats (Nurliyani, Eni Harmayani, Satyaguna Rahmatulloh and Kanita Galih Julia Rakasivi)	2019	International Journal of Probiotics and Prebiotics, Vol. 14, Pp. 45–50.
16.	Agussalim, Ali Agus, Nurliyani, Nafiatul Umami Free Amino Acids Profile of Honey Produced by the Indonesian Stingless Bee:	2019	Proceedings The 8th ISTAP International Seminar on Tropical Animal Production

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	Tetragonula laeviceps		“Prospects and Challenges for Sustainable Tropical Animal Production Systems”, September 23-25, 2019, Yogyakarta, Indonesia. Page 149-152. ISBN: 978-979-1215-37-4. <a href="https://istap.ugm.ac.id/">https://istap.ugm.ac.id/</a> Published by: Faculty of Animal Science Universitas Gadjah Mada
17.	Goat Milk Kefir Supplemented With Porang Glucomannan Improves Lipid Profile And Haematological Parameter In Rat Fed High Fat And High Fructose Diet ( <b>Nurliyani</b> , Eni Harmayani, Sunarti)	2018	Romanian Journal of Diabetes Nutrition & Metabolic Diseases, Vol. 25 No. 1 Page 11-21
18.	Impact of Small Holder Dairy Farm on the Air Quality in Gunungpati District, Semarang Municipality (Widiastuti, E., Kustono, K., Adiarto, A., <b>Nurliyani</b> , N., Sugiharto, S.)	2018	IOP Conference Series: Earth and Environmental Science, 2018, 119(1), 012064
19.	Characteristics of goat milk cheese added with liquid smoke and porang glucomannan ripened with Lactobacillus rhamnosus (Nurliyani,, Harmayani, E.)	2018	International Journal of Dairy Science, 2018, 13(1), pp. 7–14
20.	Goat-Soy milk kefir increase nitric oxide bioavailability by increasing endothelial nitric oxide synthase (eNOS) gene expression in diabetic rats (Muntafiah, A., <b>Nurliyani</b> , Sunarti)	2018	Progress in Nutrition, 2018, 20, pp. 257–262
21.	Optimization of conditions for extraction of pepsin-soluble collagen from Indonesian local “kacang” goatskin by response surface methodology (Wahyuningsih, R., Rusman,, <b>Nurliyani</b> , Pertiwinigrum, A., Rohman, A., Fitriyanto, N.A., Erwanto, Y.)	2018	American Journal of Animal and Veterinary Sciences, 2018, 13(2), pp. 70–75
22.	Optimization of acid soluble collagen extraction from Indonesian local “Kacang” goat skin and physico-chemical properties characterization (Wahyuningsih, R., Rusman, <b>Nurliyani</b> , Pertiwinigrum, A., Rohman, A., Fitriyanto, N.A., Erwanto, Y.)	2018	Chemical Engineering Transactions, 2018, 63, pp. 703–708
23.	Studies on anti-allergy effect of glucomannan extract from porang (Amorphophallus oncophyllus) tuber (A Ulfah, <b>Nurliyani</b> , K Nishi, E Harmayani, T Sugahara)	2018	ALLERGY 73, 468-469
24.	Fatty Acid Profile and Organic Acid Content	2018	E-Proceedings 18th AAAP

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	of Goat Milk Cheese Added with Liquid Smoke and Porang Glucomannan Ripened with Lactobacillus rhamnosus (Nurliyani & Harmayani, E.)		Congress 2018, 1-5 Aug. 2018, Kuching, Malaysia. pp. 89
25.	Kefir Fermented with Glucomannan from Porang Tuber to Improve the Health of Metabolic Syndrome Rats	2017	Proceedings of 3rd International Conference on Food and Biosystems Engineering (3rd FaBE, 2017), Yunani, 1- 4 Juni 2017. Pages: 100-109. ISBN: 978-960-9510-23-3
26.	Characterization and Antioxidant Activity of Fermented Milk Produced with a Starter Combination	2017	Pakistan Journal of Nutrition Vol. 16 (6): 451-456, 2017. ISSN: 1680-5194. DOI: 10.3923/pjn.2017.451.456
27.	Chemical and sensory quality of milk fermented by starter combination of Lactobacillus plantarum Dad 13, Lactococcus lactis, and Yeast	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 400-408. ISBN: 978-979-1215-29-9
28.	Properties of Goat Milk Kefir Supplemented with Glucomannan from Porang (Amorphophallus oncophyllus) Tuber	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 419-424. ISBN: 978-979-1215-29-9
29.	The Effect of Starting Time of Hand Milking on Lactation Period and Milk Production of Etawah Crossedbred Goat in Smallholder	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 850-854. ISBN: 978-979-1215-29-9
30.	Goat milk kefir increases the phagocytosis activity of peritoneal macrophages in diabetic rat	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: 143
31.	Evaluasi Isolat Lactobacillus paracasei M104 Asal Susu Kambing sebagai Starter Fermentasi Susu dengan Berbagai Level	2016	Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan

<b>No.</b>	<b>Judul Publikasi Publication Title</b>	<b>Tahun Year</b>	<b>Penerbit Publisher</b>
	Kombinasi Medium (Penulis ke-2 dari 4)		Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 399
32.	Evaluation of Lactic Acid Bacteria from Ettawah Crossbred Goat Milk as Probiotic (Penulis ke-1 dari 3)	2016	Proceedings of The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan
33.	The Effect of Supplementation Ginger ( <i>Z. Officinale</i> ) Powder on Feed Consumption, Milk Production and Components of Goat (Penulis ke-2 dari 3)	2016	Proceedings of The 17 <sup>th</sup> Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan
34.	Characteristic and Emulsion Stability of Low Fat Mayonnaise Using Rice Bran Oil and Kefir (Penulis ke-2 dari 4)	2016	Proceedings of The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan
35.	Value-Added of Processed Fresh Milk and Hygiene Behavior on Pavement Milk Trader and Milk Café in Yogyakarta Indonesia (Penulis ke-3 dari 4)	2016	Journal of Advanced Agricultural Technologies Vol. 3 (2) (June 2016) pages: 110-113. ISSN: 2373-423X
36.	Application of Porang Flour for Fat Replacer in Reduced Fat Mayonnaise (Penulis ke-2 dari 3)	2016	Proceeding The 3 <sup>rd</sup> APIS and 3rd ARCAP in Batu October 19-21, 2016
37.	Value-Added of Processed Fresh Milk and Hygiene Behavior on Pavement Milk Trader and Milk Café in Yogyakarta Indonesia	2016	Journal of Advanced Agricultural Technologies Vol. 3 (2) (June 2016) pp 110-113. ISSN: 2373-423X
38.	Isolation and Identification of Goat Milk-Derived <i>Lactobacillus paracasei</i> M104 and <i>Pediococcus pentosaceus</i> M103 and Their Potential Use as Starter Culture for Fermentation ((Penulis ke-3 dari 5)	2016	Journal of Microbiology, Biotechnology and Food Sciences Vol. 5 (4) pages: 374-377. ISSN: 1338-5178

### **Courses**

1. Pangan dan Gizi Hasil Ternak
2. Enzim Pangan Hasil Ternak
3. Ilmu dan Teknologi Telur
4. Keamanan Pangan Hasil Ternak
5. Ilmu dan Teknologi Susu
6. Ilmu dan Teknologi Telur
7. Bioproses Hasil Ternak



8. Desain Penelitian
9. Ilmu dan Teknologi Susu Lanjut
10. Pengendalian Mutu Hasil Ternak
11. Pengolahan Hasil Ternak Tropis Mutakhir
12. Filosofi dan Etika Penelitian
13. Ilmu dan Teknologi Protein Hasil Ternak
14. Ilmu Pangan Hasil Ternak Mutakhir
15. Kapita Selekta I

**Achievements/Awards**

<b>No.</b>	<b>Prestasi/Penghargaan <i>Achievements/Awards</i></b>	<b>Tahun <i>Year</i></b>
1.	-	-