Executive Summary

I have graduated from Universiti Putra Malaysia's Faculty of Veterinary Medicine in 2006 with the degree of Doctor of Veterinary Medicine (DVM). I was given an opportunity to join the Faculty of Agriculture as a tutor in Ruminant Production (Nutrition) in the Department of Animal Science. During that time, I have assisted the course coordinator for ruminant production course during the practical sessions and help the students to grasp the concept of the course. The following year, I have managed to secure a scholarship awarded by Malaysian Ministry of Higher Education (MOHE) to pursue my doctoral studies at the School of Animal Science, The University of Queensland, Australia in the field of Ruminant Production and completed a PhD investigating the bacterial community in the foregut of the dromedary camel.

I have returned to Malaysia in 2011 and undertook positions as a Senior Lecturer in Ruminant Production (Nutrition) in the Faculty of Agriculture, UPM. I have gained a lot of experience in teaching, both local and international students and hopefully, with this knowledge, I can invent myself to become a much better educator for my field of interest which is a ruminant nutrition. In 2013, I was awarded with 'The Best Lecturer Award' for Faculty of Agriculture, UPM and was shortlisted for the 'Vice-Chancellor Fellowship Award 2014' finalist for 'Young Educator Award' category. I have been promoted to Associate Professor in July 2016 and Professor in November 2019.

Currently, I have attracted over RM 617,990.00 in research grants as a Principal Investigator and RM 3,962,075.00 as a Co-Investigator. I have published 81 journal publications (62 CIJ & 19 non-CIJ) so far and of these 81 journals, I have become a primary/corresponding author of 50 journal publications. I also have 5 manuscripts submitted for publication this year.

I have supervised 6 PhD (4 graduated) and 13 MSc (8 graduated) students as a principal supervisor and co-supervising of 12 PhD students and 13 Master of Science students. I currently teach Basic Animal Nutrition, Feed and Feeding, Applied Animal Nutrition and Small Ruminant Production for undergraduate and Techniques in Animal Nutrition Studies for postgraduate in UPM.

For administration experiences, I have been appointed as a Deputy Director of University Community Transformation Centre, UPM from 2015-2016, College Master for College 16, UPM from 2016-2017, and currently holding a post as a Deputy Dean for Development, Industry and Community Linkages, Faculty of Agriculture, UPM since 2017 until to date.

For international standing, I have been invited to give a month lecture on Basic Animal Nutrition for the International Bachelor's Certificate Program at Ecole d'Ingénieurs de PURPAN, Toulouse, France. I have also been invited to give a plenary talk at 3 international conferences. I was also been invited to examine 3 PhD theses from 3 different universities in Pakistan and co-supervising of 2 PhD and 3 MSc from universities abroad. I have managed to secure an international grant from a company that is based in Australia (Kemin Industries). I have been appointed to be a member of Editorial Board for BMC Veterinary Research, Frontiers in Animal Sciences, International Journal of Zoology and Animal Biology, and Tropical Animal Science Journal. Lastly, I have also involved as a reviewer of several highly reputable journals such as PLOS One (Q1), Livestock Science (Q1), Applied and Environmental Microbiology (Q1), Archives of Microbiology (Q1) and many more.

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1.0 BIODATA, EDUCATIONAL BACKGROUND, LANGUAGE PROFICIENCY, PRESENT AND PREVIOUS POSITIONS AND TEACHING EXPERIENCES

1.1 BIODATA

Name: Prof. Dr. Anjas Asmara @ Ab. Hadi Bin Samsudin **Department: Department of Animal Science** Faculty: Faculty of Agriculture Organization: Universiti Putra Malaysia Field of Specialization: Animal Nutrition Total citation: 349 by 280 documents (Scopus: 4th January 2021) H-Index: 10 (Scopus), 14 (Google Scholar) Date of Birth: 11 May 1981 Place of Birth: Kota Bharu, Kelantan, Malaysia Age: 39 Gender: Male Citizenship: Malaysian Staff No.: A03878 I.C. No.: 810511-03-5649 Passport No.: A33809901 Race: Malay **Religion: Islam** Marital Status: Married (with 3 children) **Current Position: Professor** Permanent Address: 48, Jalan Seri Putra 2/3C, Bandar Seri Putra, Bangi, 43000 Kajang, Selangor Darul Ehsan, Malaysia. Corresponding Address: Department of Animal Science, Faculty of Agriculture, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor Darul Ehsan, Malaysia. E-mail Address: anjas@upm.edu.my Telephone No. (Office): +603-89474878 Telephone No. (Mobile): +6016-2026426

1.2 EDUCATIONAL BACKGROUND

No	Institution	Year	Discipline	Level
1	University of Queensland, Australia	2011	Animal Production	PhD
2	Universiti Putra Malaysia	2006	Doctor of Veterinary Medicine	Degree
3	Universiti Putra Malaysia	2001	Animal Health and Production	Diploma
4	Sekolah Menengah Subang Jaya	1997	SPM (Malaysia Certificate of Education)	Certificate
5	Sekolah Menengah Subang Jaya	1995	PMR (Lower Certificate of Education)	Certificate

1.3 LANGUAGE PROFICIENCY

Language	Poor	Moderate	Good	Very good	Excellent
Bahasa Melayu					х
English				х	



1.4 PRESENT AND PREVIOUS POSITIONS

Appointment Date	Position	Organization
Nov 2019 - Present	Professor	Department of Animal Science, Faculty of Agriculture, UPM
Sept 2017- Oct 2020	Deputy Dean	Faculty of Agriculture, UPM
2016- Jun 2017	College Master	College 16 th UPM
2015 – 2016	Dep. Director	University Community Transformation Center, UPM
2012-Present	Coordinator	Animal Microbiology Laboratory,
		Department of Animal Science, Faculty of Agriculture, UPM
2012-Present	Coordinator	Analytical Nutrition Laboratory,
		Department of Animal Science, Faculty of Agriculture, UPM
2016 - 2019	Assoc. Prof.	Department of Animal Science, Faculty of Agriculture, UPM
2011-2016	Senior Lecturer	Department of Animal Science, Faculty of Agriculture, UPM
2007-2011	Tutor	Department of Animal Science, Faculty of Agriculture, UPM

1.5 TEACHING EXPERIENCES – UPM

No.	Course code	Course Title	Credit Hours	Program/University	
1	PRT2008	Agriculture and Man	2 (2+0)	Bachelor of Science, UPM	
2	SHW3001	Principles of Livestock	3 (3+0)	Bachelor of Agriculture, UPM	
		Production			
3	SHW3003	Farm Practice: Livestock	1 (0+1)	Bachelor of Agriculture (Animal	
		Production		Science), UPM	
4	SHW3403	Basic Animal Nutrition	3 (2+1)	Bachelor of Agriculture (Animal	
				Science), UPM	
5	SHW4103	Small Ruminant	2 (2+0)	Bachelor of Agriculture (Animal	
		Production		Science), UPM &	
				Doctor of Veterinary Medicine, UPM	
6	SHW4403	Feed and Feeding	3 (3+0)	Bachelor of Agriculture (Animal	
				Science), UPM	
7	SHW3404	Applied Animal Nutrition	3 (2+1)	Bachelor of Agriculture (Animal	
				Science), UPM	
8	SHW5401	Technique in Animal	3 (3+0)	Postgraduate course	
		Nutrition Studies			

1.6 TEACHING EXPERIENCES – OUTSIDE UPM

No.	Course code	Course Title	Credit Hours	Program/University	Year
1	EB2043	Poultry and Livestock Production	3 (3+0)	Diploma in Agriculture Management, Nilai University	2014, 2015
2	-	Basic Animal Nutrition	1 month (96 contact hours)	International Bachelor's Certificate, Ecole d'Ingénieurs de PURPAN, Toulouse, France	Nov, 2017

2.0 ADMINISTRATION DUTIES AND OTHER RESPONSIBILITIES

2.1 UNIVERSITY LEVEL

NO	POSITION	TENURESHIP
1	Technical Committee UPM Strategic Plan (2021 – 2025)	2020-2021
2	Deputy Dean of Development, Industry and Community Linkages,	Nov 2017-Oct 2020
	Faculty of Agriculture, UPM	
3	UPM Transformation Plan Committee	2017-2018
4	College Master – 16 th College, UPM	15 Nov 2016 – 14 Nov 2017
5	Deputy Director of University Community Transformation Center,	2 Mac 2015 – 14 Nov 2016
	UPM	
6	Associate Researcher at Institute of Tropical Agriculture (ITA)	15 Oct 2013 – 14 Oct 2017
7	Representatives of the Academic Staff Association for Faculty of	2 January 2014 – 1 January
	Agriculture, UPM	2015
8	Expert in Agriculture (Pakar Pertanian): Agricultural Expert Clinic	
	(Klinik Pakar Pertanian) in Conjunction with Malaysian	20 -30 November 2014
	Agriculture, Holticulture and Agrotourism Show 2014	
9	University Panel of Reviewer for Educational Program under UPM	1 Aug 2012 – 31 July 2014

2.2 FACULTY LEVEL

NO	POSITION	TENURESHIP
1	Website Committee Member of Faculty of Agriculture	2 Oct 2012 – 1 Oct 2014
		(2 years)
2	Botanical Garden and Landscape Committee Member for Faculty	18 Feb 2013-17 Feb 2015
	of Agriculture	(2 years)
3	Speakers for the Briefing of study for Foundation Education Fair	26 February 2014
	Program, UPM – (Faculty of Agriculture Representative)	
4	Curriculum Committee Member for Faculty of Agriculture	21 April 2014-20 April 2016
		(2 years)

2.3 DEPARTMENT LEVEL

NO	POSITION	TENURESHIP
1	Coordinator for Microbiology Laboratory, Department of Animal	25 August 2011 – 24 August
	Science, Faculty of Agriculture, UPM	2014 (3 years)
2	Farm 2 Monitoring Committee Member, Department of Animal	6 Oct 2011 – 5 Oct 2014
	Science, Faculty of Agriculture, UPM	(3 years)
3	Coordinator for Maintenance Committee, Department of Animal	7 Oct 2011 – 6 Oct 2014
	Science, Faculty of Agriculture, UPM	(3 years)
4	Coordinator for Analytical Nutritional Laboratory, Department of	30 May 2012 – 29 May 2015
	Animal Science, Faculty of Agriculture, UPM	(3 years)
5	Student Industrial Training Committee Member, Department of	19 Oct 2012 – 18 Oct 2015
	Animal Science, Faculty of Agriculture, UPM	(3 years)
6	Deputy Chairman for Preparation of Tender Committee for Farm	

	Laboratories, Department of Animal Science, Faculty of	15 Mac 2013
	Agriculture, UPM	
7	Acting Head of Department of Animal Science, Faculty of	23 -26 December 2014
	Agriculture, UPM	
8	Acting Head of Department of Animal Science, Faculty of	16 – 25 February 2015
	Agriculture, UPM	
9	Coordinator for Curriculum Review Committee, Department of	10 April 2017 – 9 April 2020
	Animal Science, Faculty of Agriculture, UPM	(3 Years)

2.4 CONFERENCES / SEMINARS / SYMPOSIUM

NO	CONFERENCES/SEMINARS/SYMPOSIUM	POST	DATE	PLACE
1	Organizing Committee Member for the 39 th Malaysian	Vice	26-28	Langkawi
	Society of Animal Production Annual Conference	Chairman	Nov 2019	
2	Organizing Committee Member for the 18 th Asian-	Secretary	1-5 Aug	Kuching,
	Australasian Animal Production Congress		2018	Sarawak
3	Organizing Committee Member for the 38 th Malaysian	Secretary	27-30	Johor Bharu
	Society of Animal Production Annual Conference		Aug 2017	
4	Organizing Committee Member for the 37 th Malaysian	Secretary	1-3 June	Melaka
	Society of Animal Production Annual Conference		2016	
5	Organizing Committee Member for the 2 nd Asean	Logistic	1-3 June	Port Dickson,
	Regional Conference of Animal Production (ARCAP) and		2015	Negeri
	36 th Malaysian Society of Animal Production Annual			Sembilan
	Conference			
6	Organizing Committee Member for the 1 st Asean	Technical	4-6 June	Kuching,
	Regional Conference of Animal Production (ARCAP) and		2014	Sarawak
	35 th Malaysian Society of Animal Production Annual			
	Conference			
7	Organizing Committee Member for the International	Logistic	25-27	Putrajaya
	Agriculture Congress 2014		Nov 2014	
8	Judge for Poster Session in the International Agriculture	-	25-27	Putrajaya
	Congress 2014		Nov 2014	
9	Course Coordinator for the Microbial Quantification	-	21-22 Jan	ABI, Serdang
	Workshop 2014 – Institute of Tropical Agriculture (ITA)		2014	
	and Agro-Biotechnology Institute (ABI)			
10	Organizing Committee Member for the 34 th Malaysian	Logistic	3-5 June	Kuantan,
	Society of Animal Production Annual Conference		2013	Pahang

3.0 RESEARCH ACTIVITIES

3.1 RESEARCH 3.1.1 PROJECT LEADER – GOVERNMENT GRANT

Grant	Research Project
Grant No.	01-02-12-1685RU
Title	Assessment of protozoa in the rumen of local Katjang based on 18S-rRNA gene
	sequences
Sponsor	RUGS-UPM
Amount (RM)	30,000
Year	2012-2014
Grant	Research Project
Grant No.	07-01-13-1191FR
Title	Metagenomic insights into the rumen bacteria of swamp buffalo
Sponsor	FRGS-MOHE
Amount (RM)	80,000
Year	2013-2016
Grant	Research Project
Grant No.	GP-IPS/2014/9428600
Title	Reduction of hydrogen sulfide from chicken manure through direct application of
	sulfur oxidizing bacteria isolated from hot spring in Malaysia
Sponsor	IPS-UPM
Amount (RM)	15,000
Year	2014-2016
Grant	Research Project
Grant No.	FRGS/1/2015/STWN03/UPM/02/3
Title	Ascertaining the ensiling factors in the production of feed for the maintenance of
	flood affected ruminants
Sponsor	flood affected ruminants FRGS Geran Banjir – MOHE
Sponsor Amount (RM)	
	FRGS Geran Banjir –MOHE
Amount (RM)	FRGS Geran Banjir – MOHE 70,000
Amount (RM) Year	FRGS Geran Banjir –MOHE 70,000 1 April 2015 – 31 December 2015 (9 months)
Amount (RM) Year Grant	FRGS Geran Banjir –MOHE70,0001 April 2015 – 31 December 2015 (9 months)Research Project
Amount (RM) Year Grant Grant No.	FRGS Geran Banjir –MOHE70,0001 April 2015 – 31 December 2015 (9 months)Research ProjectFK-FS/4(UPM-15)
Amount (RM) Year Grant Grant No.	FRGS Geran Banjir –MOHE70,0001 April 2015 – 31 December 2015 (9 months)Research ProjectFK-FS/4(UPM-15)Knowledge Transfer Program (KTP)-Flagship: Development of Batu Talam District
Amount (RM) Year Grant Grant No. Title	FRGS Geran Banjir –MOHE70,0001 April 2015 – 31 December 2015 (9 months)Research ProjectFK-FS/4(UPM-15)Knowledge Transfer Program (KTP)-Flagship: Development of Batu Talam District as the production hub of herbs, chicken and local fruits
Amount (RM) Year Grant Grant No. Title Sponsor	FRGS Geran Banjir –MOHE70,0001 April 2015 – 31 December 2015 (9 months)Research ProjectFK-FS/4(UPM-15)Knowledge Transfer Program (KTP)-Flagship: Development of Batu Talam District as the production hub of herbs, chicken and local fruitsFLAGSHIP KTP – MOHE
Amount (RM) Year Grant Grant No. Title Sponsor Amount (RM)	FRGS Geran Banjir –MOHE70,0001 April 2015 – 31 December 2015 (9 months)Research ProjectFK-FS/4(UPM-15)Knowledge Transfer Program (KTP)-Flagship: Development of Batu Talam District as the production hub of herbs, chicken and local fruitsFLAGSHIP KTP – MOHE162,7701 January 2016 – 31 December 2018 (24 months)Research Project
Amount (RM) Year Grant Grant No. Title Sponsor Amount (RM) Year	FRGS Geran Banjir –MOHE70,0001 April 2015 – 31 December 2015 (9 months)Research ProjectFK-FS/4(UPM-15)Knowledge Transfer Program (KTP)-Flagship: Development of Batu Talam District as the production hub of herbs, chicken and local fruitsFLAGSHIP KTP – MOHE162,7701 January 2016 – 31 December 2018 (24 months)
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Amount (RM) Year Grant Grant No. Title Sponsor Amount (RM) Year Grant No.	FRGS Geran Banjir –MOHE70,0001 April 2015 – 31 December 2015 (9 months)Research ProjectFK-FS/4(UPM-15)Knowledge Transfer Program (KTP)-Flagship: Development of Batu Talam District as the production hub of herbs, chicken and local fruitsFLAGSHIP KTP – MOHE162,7701 January 2016 – 31 December 2018 (24 months)Research ProjectFRGS/1/2015/WAB01/UPM/02/7
Amount (RM) Year Grant Grant No. Title Sponsor Amount (RM) Year Grant No.	FRGS Geran Banjir –MOHE70,0001 April 2015 – 31 December 2015 (9 months)Research ProjectFK-FS/4(UPM-15)Knowledge Transfer Program (KTP)-Flagship: Development of Batu Talam District as the production hub of herbs, chicken and local fruitsFLAGSHIP KTP – MOHE162,7701 January 2016 – 31 December 2018 (24 months)Research ProjectFRGS/1/2015/WAB01/UPM/02/7Effect of selenium enriched bacteria isolated from hot spring in broiler

Year	2 November 2015 – 1 November 2018 (36 months)					
Grant	Research Project					
Grant No.	Dana UCTCF (Mini RTC)					
Title	Transformation of ruminant farmer's community.					
Sponsor	SKIM DANA UCTC-MINI RTC					
Amount (RM)	10,000					
Year	15 March 2016 – 16 August 2016 (5 months)					
Grant	Research Project					
Grant No.	GP-IPS Pusat kos – 9542600					
Title	Ascertaining selenium enriched bacteria isolated from hot spring as a source of					
	organic selenium for boiler					
Sponsor	Kes Khas (Dana Tautan) GP-IPS UPM					
Amount (RM)	20,000					
Year	2017					
Grant	Research Project					
Grant No.	FRGS/1/2017/WAB01/UPM/02/23 (Code project: 07-01-17-1903FR)					
Title	Ascertaining the effects of rumen protected lipid on nutrient intake and					
	digestibility, body weight changes, meat quality and reproductive performance in					
	sheep					
Sponsor	sheep FRGS-MOHE					
Sponsor Amount (RM)						
· ·	FRGS-MOHE					
Amount (RM)	FRGS-MOHE 124,020					
Amount (RM) Year	FRGS-MOHE 124,020 2017-2019					
Amount (RM) Year Grant	FRGS-MOHE 124,020 2017-2019 Research Project					
Amount (RM) Year Grant Grant No.	FRGS-MOHE 124,020 2017-2019 Research Project GP-IPS/2018/9610800					
Amount (RM) Year Grant Grant No. Title	FRGS-MOHE124,0202017-2019Research ProjectGP-IPS/2018/9610800Production of Spirulina sp. As a potential supplement for broiler					

3.1.2 PROJECT LEADER -INDUSTRIAL GRANT

Grant	Research Project			
Title	In vitro assays of ten forages pretested with Forazyme [®]			
Sponsor	Kemin Industries (Asia) Pte. Ltd – Australia			
Amount (RM)	RM 8,162			
Year	September – December 2019			
Grant	Research Project			
Title	Effect of fibre digesting enzyme on the digestibility of poor quality forage and			
	lactation performance of multipurpose Holstein – Friesian dairy cows			
Sponsor	Kemin Industries (Asia) Pte. Ltd – Australia			
Amount (RM)	RM 56,900			
Year	November 2019 – January 2020			

3.1.3 CO-RESEARCHER

Grant	Research Project					
Grant No.	10-05-ABI-AB035					
Title	Development of corn silage based feed for beef cattle production					
Sponsor	Dana Agro-bioteknologi R&D – MOSTI					
Amount (RM)	2,526,000					
Year	2010-2015					
Grant	Research Project					
Grant No.	i-eco/13 (UPM-13)					
Title	Improving milk production of dairy goats through improved feed resources and					
	supplementation with local herbs					
Sponsor	KTP Rolling Plan 3					
Amount (RM)	112,750					
Year	2013-2015					
Grant	Research Project					
Grant No.	06-01-04-SF1730					
Title	Modulation of symbiotic gastrointestinal persisters with quorum sensing					
	interference properties in Tiger grouper (Epinephelus fuscoguttatus)					
Sponsor	Science fund-MOSTI					
Amount (RM)	148,900					
Year	2013-2015					
Grant	Research Project					
Grant No.	ERGS/1-2013/5527160					
Title	Sustainable corn-legume forage with application of biofertilizers for tropical					
	environments					
Sponsor	ERGS-KPM					
Amount (RM)	80,000					
Year	2013-2015					
Grant	Research Project					
Grant No.	FRGS/1/2013/STWN03/UPM/01/2					
Title	Protein and energy requirements of free range poultry fed on meal worms					
	(Tenebrio molitor) and dehydrated food waste					
Sponsor	FRGS-KPM					
Amount (RM)	90,000					
Year	2013-2016					
Grant	Research Project					
Grant No.	07-01-14-1436FR					
Title	Effect of black cumin seed (Nigella sativa) and rosemary (Rosmarinus officinalis)					
	supplementation on growth performance, rumen microbial population and meat					
	quality in Boer goats					
Sponsor	FRGS-KPM					
Amount (RM)	95,200					

Year	2014-2016					
Grant	Research Project					
Grant No.	950000					
Title	Nutrition and feeding of Potronus pelagius					
Sponsor	GP-IPB					
Amount (RM)	107,000					
Year	2015-2018					
Grant	Research Project					
Grant No.	01-01-15-1713FR					
Title	The roles of metabolic hormones in regulating the hypothalamus-pituitary-ovary					
	axis and ovarian development in goats					
Sponsor	FRGS-KPT					
Amount (RM)	139,200					
Year	2015-2017					
Grant	Research Project					
Grant No.	New Zealand Agricultural Greenhouse Gas Research Centre (NVAGRC) – RFP16115					
Title	Using naturally produced lovastatin to reduce methane emission					
Sponsor	AgResearch Limited, New Zealand					
Amount (RM)	NZD 130,000 (RM 378,825)					
Year	2015-2016					
Grant	Research Project					
Grant No.	9534300					
Title Improved nitrogen preservation of poultry manure-biochar compost ar						
	application on napier grass					
Sponsor	Geran Putra-IPM					
Amount (RM)	60,000					
Year	2017-2019					
Grant	Research Project					
Grant No.	FRGS/1/2017/WAB01/UPM/01/1					
Title	Elucidation of Immune Responses and Mucin Dynamics in Gastro Intestinal Tract of					
	Broiler Chickens by Dietary Postbiotic and Antibiotic Growth Promoter					
	Supplementation					
Sponsor	FRGS-MOHE					
Amount (RM)	119,200					
Year	2017-2019					
Grant	Research Project					
Grant No.	GP-IPM/2020/9685900					
Title	Assessing the nutritional quality of preserved-fungal treated agriculture biomasses					
	in ruminants					
Sponsor	Geran Putra-IPM					
Amount (RM)	45,000					
Year	2020-2022					

Grant	Research Project			
Grant No.	GP-IPM/2020/9685800			
Title	Optimum harvest stage of different sorghum varieties and its ensilation effects for			
	animal feed production			
Sponsor	Geran Putra-IPM			
Amount (RM)	60,000			
Year	2020-2022			

4.0 SUPERVISION OF STUDENTS

4.1 CHAIRMAN OF SUPERVISORY COMMITTEE

4.1.1 PhD STUDENTS

No	Name	Nationality	Matric No.	Year/Status	Title of Project			
1	Khin Thida Khaing	Myanmar	GS 31919	2011-2015	Response of whole corn silage based			
				(Graduated)	diets on rumen ecology and			
					production of goats			
2	Atique Ahmad	Pakistan	GS 33285	2011-2018	Effect of feeding rumen protected			
	Behan			(Graduated)	fat as an energy source in Dorper			
					sheep			
3	Dalia Abd Alla	Sudan	GS 39813	2014-2018	Application of selenium enriched			
	Mohamed Abd Alla			(Graduated)	bacteria as a source of organic			
					selenium for broiler			
4	Osama Anwer	Iraq	GS 41617	2014-2018	Effect of supplementing energy into			
	Saeed			(Graduated)	palm kernel cake-urea treated rice			
					straw based diet in Dorper sheep.			
5	Aliyu Ibrahim	Nigeria	GS 51580	2018-	Application of selenium enriched			
	Muhammad			present	bacteria as a source of organic			
					selenium for laying hens.			
6	Jameah Bte	Malaysia	GS 53633	2018-	Application of selenium enriched			
	Hamed			present	bacteria as a source of organic			
					selenium for Ayam Kampung.			

4.1.2 MASTER STUDENTS

No	Name	Nationality	Matric No.	Year/Status	Title of Project
1	Sharmila Bte	Malaysia	GS 32836	2011 – 2014	The effect of xylanase and cellulase
	Ahmad			(Graduated)	supplementation on the caecal
					bacteria dynamic of broiler chickens
					fed with palm kernel meal (PKM).
2	Nur Liyana Akmal	Malaysia	GS 35571	2013-2016	Assessment of rumen fermentation
	Bte Harun			(Graduated)	profile, rumen microbial population
					and urinary purine derivatives in
					goats fed with <i>Leucaena</i>
					<i>leucocephala</i> and <i>Manihot</i>
					esculenta leaves.
3	Hidayat Bin Mohd	Malaysia	GS 39198	2014-2017	Reduction of hydrogen sulfide from
	Yusof			(Graduated)	chicken manure through direct
					application of sulfur oxidizing
					bacteria isolated from hot spring in
					Malaysia.
4	Ahmed Muideen	Nigeria	GS 39871	2014-2016	Effects of supplementation of tree
	Adewale			(Graduated)	forages on goats fed with treated
					rice straw concentrates.
5	Stephini Jotham	Nigeria	GS 41520	2014-2016	Potential of Macaranga tanarius

				(Graduated)	leaves (parasol leaf tree) as a feed for ruminants
6	Nurdiyana 'Aqilah Bte Roslan	Malaysia	GS 39034	2014-2016 (Graduated)	Effect of Andrographis paniculata and Orthosiphon stamineus supplementation on rumen fermentation characteristics in goats fed urea-treated rice straw.
7	Nabila Bte Muhamaddin	Malaysia	GS 42550	2015-2017 (Graduated)	Baker's yeast as a growth promoter in broiler.
8	Hasfar Shafiqah Bte Abd. Ghofar	Malaysia	GS 45248	2017-2019 (Graduated)	Production of <i>Spirulina</i> sp. as a potential supplement for broiler.
9	Mohd Hafizal Bin Ahmad	Malaysia	GS 47222	2017-2019 (Graduated)	Effect of supplementing rumen protected fat as an energy source on reproductive performance in Dorper ram.
10	Alifah Bte Ismail	Malaysia	GS50250	2017-present	Effects of palm oil based rumen protected fat on gene expression and metabolite level in male Malin sheep
11	Nur Izzah Bte Mohd Hemly	Malaysia	GS 54419	2019-present	Effects of different sources of selenium and inclusion of vitamin E on egg quality and blood profile of layer hen.
12	Nurafiqah Najwa Bte Mohd Noor Zainuddin	Malaysia	GS 54578	2019-present	Effects of different sources of selenium and inclusion of vitamin E on digestibility, meat quality and gene expression of layer chicken.
13	Nur Hidayah Bte Mohamad Ikhwan Sridaran	Malaysia	GS 54161	2019-present	Effects of organic selenium on growth performances, meat quality and blood profiles in Malaysian native chickens reared under high ambient temperature.
14	Mohd Shaharizan bin Mohd Sham	Malaysia	GS 55557	2019-present	Effect of fibre digesting enzyme on the digestibility of poor quality forage and lactation performance of multiparous Holstein-Friesian dairy cows.

4.1.3 BACHELOR STUDENTS

No	Name	Matric No.	Year of	Title of Project
			Completion	
1	Candyrine Su Chui Len	150973	2011	Effect of effective microorganisms (EM) on the nutritive value of palm oil decanter cake
2	Mohd Firdaus Bin Masori	154777	2012	The effect on the nutritive values of fungal- treated rice straw inoculated with or without effective microorganisms
3	Siti Saerah Bte Che Mahadi	154024	2012	Evaluation of growth performance and fat content in broiler chicks fed commercial feed supplemented with palm oil and olive oil.
4	Rosaziera Bte Mohammed	154121	2012	Effect of dietary oils on lactic acid bacteria (LAB) population in broiler fed with commercial diet.
5	Mohammad Rosli Bin Hussin	151879	2012	Lambing performance of Garut sheep under semi-intensive management system.
6	Ilias Bin Hj Abd. Rani	155411	2012	The nutritive value of <i>Mikania micrantha</i> foliage as feed for small ruminant.
7	Siti Nur Nabilah Bte Ramli	153751	2012	Nutrient profile of decanter cake and sago waste fermented with and without effective microorganisms (EM).
8	Nurul Afiful Huda Bte Othman	156997	2013	Effect of vegetable market waste on carcass characteristics and meat quality of rabbit.
9	Nasrullah Mujaddidi Bin Md Zaini	158728	2013	The nutritive value and quality of ensiled vegetable market waste.
10	Muhammad Faiz Bin Mohd Latif	157984	2013	Effect of the pellet vegetable market waste on feed intake, digestibility and growth performance in the rabbit as the basal diet.
11	Muna Munirah Bte Ramli	160622	2013	The effect of <i>Mentha arvensis</i> and <i>Petroselinum crispum</i> leaves as a feed supplement in rabbit diets: effect on feed intake, nutrient metabolism and growth performance.
12	Nickcarlstann Hendry	164811	2014	Effect of palm kernel cake on egg quality of khaki egg production and campbell duck
13	Fitri Amirul Bin Khairudin	161648	2014	The effect of livestock manures on growth and nutritive value of <i>Eisenia foetida</i>
14	Mohamad Arif Bin Zulkipli	161371	2014	Effect of varying level of palm kernel cake (PKC) on growth performance, carcass composition and meat quality of Cherry

				Valley duck
15	Noor Amirah Mohd Bte Nor	162298	2014	The influence of palm kernel cake on small intestine and cecum bacterial population of Cherry Valley duck
16	Athira Amanina Bte Othman	170554	2015	Effects of tropical fruits peel on <i>in vitro</i> rumen fermentation profile, digestion kinetics and microbial population in cattle
17	Shakirah Bte Razlan	166952	2015	The effect of rhizobial herbs on <i>in vitro</i> rumen fermentation kinetics, profiles and microbial populations in cattle
18	Nor Ainzah bte Feshal	167814	2015	The evaluation of amino acid profiles of local molluscs as poultry feed supplement
19	Rabiatul Adawiyah Bte Ahmad Mahaidin	175264	2016	The effect of heart of palm (<i>Cocos nucifera</i>) and inner stem of banana stalk (<i>Musa</i> <i>acuminate</i>) on rumen fermentation profiles in cattle.
20	Nur Imanina Fakhira Bte Mohd Naspi	170211	2016	Effects of date palms (<i>Phoenix dactylifera linn</i>) and fig fruits (<i>Ficus carica linn</i>) in rumen fermentation profiles and kinetics of cattle.
21	Zulhilmi Zainudin	180168	2017	Nutrient content in mixed ration of grass and legumes and their digestibility potential to the ruminant via <i>in vitro</i> digestibility
22	Amir Syaraf Azilan	180170	2017	Effects of breadfruit (<i>Antocarpus altilis</i>) on rumen fermentation profiles and kinetics in cattle.
23	Noor Atikah Abdul Razak	180527	2017	The effect of bitter bean (<i>Parkia speciosa</i>) on rumen fermentation profiles and kinetics in cattle.
24	Tee Wei Wei	180592	2017	Effects of bamboo shoot on rumen fermentation and kinetic profiles in cattle.
25	Nurul Syafinaz Bte Yatim@Ruslan	181581	2018	Effect of Azola pinnata (Azolla), Salvinia molesta (Giant Salvinia) and Eichhornia crassipes (Water Hyacinth) as feed supplement on <i>in vitro</i> fermentation changes in cattle
26	Abis Farhana Nurmaisarah Bte Basri	181832	2018	In vitro fermentation profiles of <i>Cosmos caudatus</i> (Ulam Raja), <i>Centella asiatica</i> (Pucuk Pegaga) and <i>Kaempferia galanga</i> (Cekur) in cattle.
27	Amri Bin Abu Yamin	189723	2019	Effects of different days of treatment on Napier silage mix with effective microbes (EM) on <i>in vitro</i> fermentation profile in cattle.

28	Ng Liaw Qiang	189691	2019	Improvement of rice straw digestibility by
				different mixture type with legumes
29	Nur Amerah Bte Mohd	189537	2019	Effects of aromatic leaves on in vitro rumen
	Raffie			fermentation profile in cattle
30	Nurul Hidayah Bte	189441	2019	Effects of plant's flower on in vitro rumen
	Azmi			fermentation profile in cattle
31	Nur Izzah binti Mohd	192551	2020	Effect of dubia roaches as protein
	Sani			supplement on the feed intake digestibility
				and growth performance in broiler quails.
32	Nur Atiqah Binti	193445	2020	Effect of Blaptica dubia as protein
	Mazlan			supplement on characteristic and meat
				quality of broiler quails.

4.2 MEMBER OF SUPERVISORY COMMITTEE

4.2.1 PhD STUDENTS – UPM

No	Name	Matric No.	Year/Status	Title of Project
1	Aisha Laraba Yusuf	GS 29798	2011-2014	Effect of Andrographis paniculata on
			(Graduated)	growth performance and meat quality of
				goats.
2	Said Shannan Ali Al	GS 33405	2013-2018	Utilisation of Prosopis juliflora for
	Khalasi		(Graduated)	feeding Omani livestock.
3	Adeyemi Kazeem	GS 36287	2013-2016	Performance, meat quality and muscle
	Dauda		(Graduated)	proteome of goats fed carotino oil.
4	Karwan Yaseen	GS 34295	2013-2016	Effect of postbiotic and prebiotic
	Kareem		(Graduated)	supplements on growth performance,
				gut morphology, gene expression and
				fecal characteristics of broiler chickens.
5	Abdalbast. H. I. Fadel	GS 37814	2014-2018	Utilization of Carob seeds meal in feed
			(Graduated)	tilapia.
6	Muhammad Hazim	GS 39410	2014-2018	Development of appropriate technology
	Bin Nazli		(Graduated)	for the use of corn silage as basal feed
				for intensive beef production in
				Malaysia.
7	Kifah Odhaib Jumaah	GS 38784	2014-2018	Effect of black cumin seed (<i>Nigella</i>
			(Graduated)	sativa) and rosemary (Rosmarinus
				officinalis) supplementation on growth
				performance, immune response and
8	Humam Ali Merzza	GS 42130	2014-Present	ruminal fermentation in sheep.
ð	numatti Ali Merzza	42130	2014-Present	Effects of probiotic (<i>L. plantarum rg14</i>), postbiotic rg14 and combination of
				postbiotic and prebiotic on the growth
				performance, intestinal microbiota,
				immune response, enzyme activity and

				gene expression relates with growth performance in broiler chicken.
9	Sani Garba	GS 44880	2016-2019 (Graduated)	Feed intake, digestibility, methane emission and quality and safety of milk and meat products in goats fed naturally- produced lovastatin
10	Garba Adamu	GS 47918	2016-Present	Influence of biochar- compost on growth, yield, nutritive value, nutrient uptake and digestibility in napier cultivars.
11	Nur Liyana Akmal Bt Harun	GS48621	2017-Present	Effect of nutrient-induced metabolic changes in rumen on milk fat and dissacharide formation of goat's milk.

4.2.2 PhD STUDENTS - INTERNATIONAL UNIVERSITY

No	Name	Matric No.	Year/Status	Title of Project	University
1	Pristian	D261150021	2016-2019	Saponins extraction from plant	Bogor
	Yuliana		(Graduated)	and use as additive in the	Agriculture
				materials of high protein silage.	University,
					Indonesia.
2	Nurhazwani	17H8208	2018-	Utilization of selected locally	
	Abdullah		Present	available medicinal plants as feed	University Brunei
				supplements to enhance	Darussalam,
				metabolic activity of small	Brunei.
				ruminants through reduction of	
				intestinal parasites.	

4.2.3 MASTER STUDENTS- UPM

No	Name	Matric No.	Year Started	Title of Project
1	Nur Atikah Bte	GS 31367	2011-2016	Effect of dietary oils differing in C-18
	Ibrahim		(Graduated)	fatty acid profile on rumen fermentation,
				microbial dynamics and digestibility in
				goats.
2	Hassan Usman Zamani	GS 33100	2012-2015	Effects of enzyme utilization on PKC on
			(Graduated)	digestibility and growth performance of
				broiler chicken.
3	Tenesa Mohan	GS 33889	2013-2015	Determining the biological effects of
			(Graduated)	essential amino acids and proteinaceous
				bioactive compounds on the growth
				performance of layer chickens.
4	Nurhazirah Bte Shazali	GS 34968	2013-2015	Effects of feeding locally produced amino
			(Graduated)	acid supplementation in low crude
				protein diet on immune response, lipid

				metabolism, gut morphology, and growth performance of broiler chicken.
5	Nur Intan Juliana Bte Abdul Sahdan	GS 34476	2014-present	Fermentation of rice straw with lactic acid bacteria to improve the nutritive value and its utilization in ruminant diet.
6	Dahiru Soli Jibia	GS 36852	2014-2017 (Graduated)	Effect of winter melon seed meal in broiler diet as a supplementation on growth performance of broiler chicken.
7	Muhammad Syafiq Aiman Bin Alias	GS 42184	2015-present	Immunology and pathogenicity changes of AKAR Putra chicken vaccinated against infectious bursal disease.
8	Tan Chung Keat	GS 43602	2015-2018 (Graduated)	Identification of potential probiotics from Malaysian Mahseer (<i>Tor tambroides</i>) gut and their use in growth and health improvement.
9	Wan Ahmad Izuddin Bin Wan Ibrahim	GS 45843	2016-2019 (Graduated)	Effects of inclusion of postbiotic metabolites from <i>Lactobacillus plantarum</i> in pre-weaning lambs.
10	Nurul Athira Bte Mohd Affandi	GS 45971	2016 – present	Adoption of innovation and good animal husbandry practices by small ruminant farmers in Malaysia

4.2.4 MASTER STUDENTS- INTERNATIONAL UNIVERSITY

No	Name	Matric No.	Year Started	Title of Project	University
1	Theo	D251130211	2014-2015	The evaluation of condensed and	Bogor Agriculture
	Mahiseta		(Graduated)	hydrolysable tannin proportion to	University,
	Syahniar			reduce ruminant methane emission	Indonesia
				by in vitro.	
2	Amalia	GS50731NG	2016-2018	Glucose and starch content in	Bogor Agriculture
	Ikhwanti		(Graduated)	tropical legume and its relationship	University,
				with nutrient utilization in vitro	Indonesia
3	Neviyani	D251160111	2016-2018	Glucose and starch content in	Bogor Agriculture
	Asikin		(Graduated)	tropical pasture and its relationship	University,
				with nutrient utilization in vitro	Indonesia

5.0 PUBLICATIONS / COPYRIGHT, PATENT AND LICENSING

5.1 JOURNALS

5.1.1 ARTICLES SUBMITTED FOR PUBLICATION

No	TITLE	Database/Quartile
1	Atique A.B., Loh T.C., Fakurazi, S., Samsudin, A. A.*, 2020. Effects of	JCR-ISI Web of
1	Different Protected Fats on <i>In Vitro</i> Rumen Metabolism and Apparent	Knowledge
	Biohydrogenation of Fatty Acids. Journal of Integrative Agriculture	Q1
	(MANUSCRIPT ID: JIA-2020-2395)	QI
2		
2	Humam, A. M., Loh, T. C., Foo, H. L., Samsudin, A. A., Alshelmani, M. I., Ooi,	JCR-ISI Web of
	M. F., Mustapha, N. M., Zulkifli, I. 2020 . Antioxidant and inhibitory activities	Knowledge
	of postbiotics produced by several Lactobacillus plantarum strains using	Q2
	reconstituted media against pathogens. BMC Microbiology. (MANUSCRIPT	
	ID: MCRO-D-18-00640)	
3	Eric Lim Teik Chung; Nurul Syazana Mohammad Nasir; Phen Syom A Hing;	JCR-ISI Web of
	Suriati Ramli; Mohd Hafiz Abdul Rahman; Anjas Asmara Samsudin; Mamat	Knowledge
	Hamidi Kamalludin 2020. Effect of Honey as an Additive for	Q2
	Cryopreservation on Bull Semen Quality from Different Cattle Breeds.	
	Tropical Animal Health and Production. (MANUSCRIPT ID: TROP-D-19-	
	00995).	
4	Saeed, O.A., Sazili, A.Q., Akit, H., U. M. Sani, Alimon, A.R., and Samsudin,	JCR-ISI Web of
	A.A.,* 2020. Profiling of in vitro rumen digestibility, fermentation	Knowledge
	parameters and fatty acid biohydrogenation of PKC-based diet	Q1
	supplemented with corn. Animal Production Science.	
5	Atique Ahmed Behan, Teck Chwen Loh, Sharida Fakurazi, Ubedullah Kaka,	JCR-ISI Web of
	Muhammad Tayyab Akhtar, Anjas Asmara Samsudin* 2020. Meat Quality,	Knowledge
	Fatty Acid Profile and NMR-Based Metabolomics of Dorper Sheep	Q1
	Supplemented with Bypass Fats. Scientific Reports (MANUSCRIPT ID:	•
	Submission ID b12b81b5-c758-47d5-8c2f-e1af2bbe46d3)	
	author or corresponding outhor	

*First author or corresponding author

5.1.2 ARTICLES ACCEPTED FOR PUBLICATION

No	TITLE	Database/Quartile
1		

*First author or corresponding author

5.1.3 PUBLISHED ARTICLES (CITATION INDEXED JOURNALS)

No	TITLE	Database/Quartile
62	Hidayat Mohd Yusof, Nor'Aini Abdul Rahman, Rosfarizan Mohamad,	JCR-ISI Web of
	Uswatun Hasanah Zaidan and Anjas Asmara Samsudin, 2020. Biosynthesis	Knowledge
	of zinc oxide nanoparticles by cell-biomass and supernatant of Lactobacillus	Q1
	plantarum TA4 and its antibacterial and biocompatibility properties.	
	Scientific Reports. 10:19996.	
61	Amalia Ikhwanti, Anuraga Jayanegara, Idat Galih Permana, Wira Wisnu	Scopus

	Wardani, Yuli Retnani, Anjas Asmara Samsudin*, 2020. Sugar, acid soluble polysachharides and total phenolics content in tropical legumes and their relationship with <i>in vitro</i> nutrient fermentability. <i>Tropical Animal Science Journal</i> . 43(4):331-338.	
60	Dalia. A. M., T. C. Loh, Awis Q. Sazili, and A. A. Samsudin*, 2020. Influence of bacterial organic selenium on blood parameters, immune response, selenium retention and intestinal morphology of broiler chickens. <i>BMC Veterinary Research</i> . 16(365)	JCR-ISI Web of Knowledge Q1
59	Humam A. M., Loh T. C., Foo H. L., Izuddin W. I., Awad E. A., Idrus Z., Samsudin A. A ., Mustapha N. M., 2020. Dietary supplementation of postbiotics mitigates adverse impacts of heat stress on antioxidant enzyme activity, total antioxidant, lipid peroxidation, physiological stress indicators, lipid profile and meat quality in broilers. <i>Animals.</i> 10(6):982	JCR-ISI Web of Knowledge Q1
58	Dalia. A. M., T. C. Loh, Awis Q. Sazili, and A. A. Samsudin*, 2020. Dietary Bacterial Selenoprotein as Selenium Source on, Carcass Characteristics, Meat Quality, and Meat Antioxidants of broiler chickens. <i>Animals</i> . 10(6):981	JCR-ISI Web of Knowledge Q1
57	Izzuddin, W. I., Humam, A. M., Loh, T. C., Foo, H. L., and Samsudin, A. A., 2020 . Dietary postbiotic <i>Lactobacillus plantarum</i> improves serum and ruminal antioxidant activity and upregulates hepatic antioxidant enzymes and ruminal barrier function in post-weaning lambs. <i>Antioxidants</i> . 9:250	JCR-ISI Web of Knowledge Q1
56	Saeed, O.A., Sazili, A.Q., Akit, H., Alimon, A.R., Mehdi, E. and Samsudin , A.A.*2019 . Effect of corn supplementation into PKC-urea treated rice straw basal diet on hematological, biochemical indices and serum mineral level in sheep. <i>Animals</i> . 9:781-794.	JCR-ISI Web of Knowledge Q1
55	Shazali, N., Foo, H. L., Loh, T. C., Samsudin, A. A. 2019. Gut microflora and intestinal morphology changes of broiler chickens fed with reducing dietary protein supplemented with lysine, methionine and threonine in tropical environment. <i>Revista Brasileira de Zootecnia</i> . 48:e20170265	JCR-ISI Web of Knowledge Q3
54	Izzuddin, W. I., Loh, T. C., Samsudin, A. A., Foo, H. L., Humam, A. M. and Shazali, N. 2019 . Effects of postbiotic supplementation on growth performance, ruminal fermentation and microbial profile, blood metabolite and GHR, IGF-1 and MCT-1 gene expression in post-weaning lambs. <i>BMC Veterinary Research</i> . 15(315):1-10	JCR-ISI Web of Knowledge Q1
53	Humam A. M., Loh T. C., Foo H. L., Samsudin A. A. , Mustapha N. M., Idrus Z., Izuddin W. I., 2019 . Effects of feeding different postbiotics on growth performance, carcass yield, intestinal morphology, gut microbiota, immune status, and GHR and IGF-1 gene expression in broilers under heat stress environment. <i>Animals</i> . 9:644-664.	JCR-ISI Web of Knowledge Q1
52	Saeed, O.A., Sazili, A.Q., Akit, H., Alimon, A.R., Mehdi, E. and Samsudin , A.A.*2019 . Effects of corn supplementation on meat quality and fatty acid composition of Dorper sheep fed PKC-urea treated rice straw. <i>BMC Veterinary Research</i> . 15(233):1-9.	JCR-ISI Web of Knowledge Q1
51	Izzuddin, W. I., Foo, H. L., Loh, T. C., Samsudin, A. A. , and Humam, A. M. 2019 . Postbiotic <i>L. plantarum</i> RG14 improves ruminal epithelium growth, immune status and up-regulates the intestinal barrier function in postweaning lambs. <i>Scientific Reports</i> . 9:9938	JCR-ISI Web of Knowledge Q1
50	Tan, C.K, Natrah, F.M.I., Suyub, I. S., Edward, M. J., Kaman, N. and Samsudin,	JCR-ISI Web of

	A.A.* 2019 . Comparative study of gut microbiota in wild and captive Malaysian Mahseer (<i>Tor tambroides</i>). <i>Microbiology Open</i> . 8(5):e00734	Knowledge Q2
49	Behan A. A., T. C. Loh, F. Sharida, Ubedullah Kaka, Asmatullah Kaka, A. A. Samsudin*2019. Effects of supplementation of rumen protected fats on rumen ecology and digestibility of nutrients in sheep. <i>Animals.</i> 9:400.	JCR-ISI Web of Knowledge Q1
48	Garba, S., Mahadzir, M. F., Candyrine, S. C. L., Jahromi, M. F., Ebrahimi, M., Goh, Y. M., Samsudin, A. A. , Ronimus, R., Meutzel, S., Liang, J. B. and Sazili, A. Q. 2019. Effects of naturally-produced lovastatin on carcass conformation, physicochemical characteristics, lipid oxidation and cholesterol in goats. <i>Meat Science</i> . 154:61-68.	JCR-ISI Web of Knowledge Q2
47	Saeed, O.A., T.K. Leo, Sazili, A.Q., Akit, H., Alimon, A.R., M.F. Jahromi and Samsudin, A.A.*2019 . Effect of Dietary Supplementation of Energy into PKC – Urea Treated Rice Straw Based Diet on The Antioxidant Enzyme Activity and Gene Expression in Dorper Sheep. <i>3 Biotech</i> . 9(146):1-10.	JCR-ISI Web of Knowledge Q3
46	P. Yuliana, E.B. Laconi, A. Jayanegara, S. S. Achmadi and A. A. Samsudin* 2019 . Effect of napier grass supplemented with <i>Gliricidia sepium, Sapindus</i> <i>rarak</i> or <i>Hibiscus rosa-sinensis</i> on <i>in vitro</i> rumen fermentation profiles and methanogenesis. <i>Journal of the Indonesian Tropical Animal Agriculture.</i> 44(2):167-176	Scopus
45	Pristian Yuliana, Erika B. Laconi, Anuraga Jayanegara, Suminar S. Achmadi and Anjas A. Samsudin* 2019. Extracted Saponin from <i>Sapindus rarak</i> and <i>Hibiscus</i> sp. as an additive in cassava leaf silage: effects on chemical composition, rumen fermentation and microbial population. <i>Advances in Animal and Veterinary Sciences</i> . 7(7):530-536	Scopus
14	Hidayat, M.Y., Saud, H.M. and Samsudin* , A.A. 2019. Reduction of hydrogen sulphide in chicken manure by immobilized sulphur oxidising bacteria isolated from hot spring. <i>Microbiology and Biotechnology Letters</i> . 47(1):116-124.	Scopus
43	Nazli, M.H., Halim, R.A., Abdullah, A.M., Ghazali, H. and Samsudin, A. A.* 2019. Potential of four corn varieties at different harvest stages for silage making in tropical Malaysia. <i>Asian-Australasian Journal of Animal Science</i> . 32(2):224-232. (IF=0.971)	JCR-ISI Web of Knowledge Q3
12	Farouk, Anjas , Lokman, Dahlan, Henny, 2018 . Effect of energy to protein ratio using alternative feed ingredients on growth performance and nutrient digestibility in broilers. <i>Indian Journal of Animal Research</i> . DOI: 10.18805/ijar.B-1007	JCR-ISI Web of Knowledge Q4
41	N. A. Ibrahim, A.R. Alimon, H. Yaakub, N. Abdullah, M. Ivan and A. A. Samsudin [*] 2018. Profiling of rumen fermentation, microbial population and digestibility in goats fed with dietary oils containing differing fatty acid component. <i>BMC Veterinary Research</i> . 14:344-353. (IF=1.999)	JCR-ISI Web of Knowledge Q1
40	Izzuddin, W. I., Foo, H. L., Loh, T. C., Samsudin, A. A. 2018 . <i>In-vitro</i> study of postbiotic <i>Lactobacillus plantarum</i> RG14 on rumen fermentation and microbial population. <i>Revista Brasileira de Zootecnia</i> . 47:e20170255.	JCR-ISI Web of Knowledge Q3
39	Dalia. A. M., T. C. Loh ¹ , Awis Q. Sazili ¹ , M.F. Jahromi and A. A. Samsudin *, 2018. Effects of vitamin E, inorganic selenium, bacterial organic selenium, and their different combinations on immunity response in broiler chickens. <i>BMC Veterinary Research.</i> 14:249-259.	JCR-ISI Web of Knowledge Q1

38	Candyrine, S.C.L., Mahadzir, M. F., Garba, S., Jahromi, M. F., Ebrahimi, M.,	JCR-ISI Web of
50	Goh, Y. M., Samsudin, A. A. Sazili, A. Q., Chen, W. L., Ganesh, S., Ronimus, R., Muetzel, S., Liang, J. B., 2018. Effects of naturally-produced lovastatin on feed digestibility, rumen fermentation, microbiota and methane emissions	Knowledge Q1
	in goats over a 12-week treatment period. <i>PLOS One</i> . DOI: 10.1371/journal.pone.0199840	
37	Saeed, O.A., Sazili, A.Q., Akit, H., Alimon, A.R., and Samsudin, A.A* 2018.	JCR-ISI Web of
	Effect of corn supplementation into pkc-urea treated rice straw basal diet	Knowledge
	on purine derivatives, and rumen fermentation in sheep. <i>Tropical Animal Health Production</i> . DOI: 10.1007/s11250-018-1636-1 (IF=0.912)	Q2
36	Yusuf, A.L., Adeyemi, K. D., Karim, R., Alimon, A.R., Goh, Y.M., Samsudin,	JCR-ISI Web of
	A.A. , and Sazili, A.Q. 2018. Dietary supplementation of different parts of <i>Andographis paniculata</i> affects the fatty acids, lipid oxidation, microbiota,	Knowledge Q1
	and quality attributes of longissimus muscle in goats. Food Research	QI
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	Diet in Small Ruminant? – A Review. <i>Tropical Animal Health Production</i> . https://doi.org/10.1007/s11250-018-1641-4	Q2
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32	Nazli, M.H., Halim, R.A., Abdullah, A.M., Ghazali, H. and Samsudin, A. A.*	JCR-ISI Web of
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31	T. M. Syahniar, M. Ridla, A. A. Samsudin* & A. Jayanegara 2018. Effects of	JCR-ISI Web of
	glycerol and chestnut tannin addition in cassava leaves (<i>Manihot esculenta</i>	Knowledge
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27	Yusuf, A.L., Adeyemi, K. D., Karim, R., Alimon, A.R., Goh, Y.M., Samsudin , A.A. , and Sazili, A.Q. 2017. Effects of dietary supplementation of leaves and whole plant of <i>Andrographis paniculata</i> on rumen fermentation, fatty acid composition and microbiota in goats. <i>BMC Veterinary Research</i> . 13:349 (IF=1.999)	JCR-ISI Web of Knowledge Q1
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22	Harun, N. A., Alimon, A. R. and Samsudin, A. A.[*] 2017. Effects of feeding goats with <i>L. leucocephala</i> and <i>M. esculenta</i> leaves supplemented diets on rumen fermentation profiles, urinary purine derivatives and rumen microbial population. <i>Journal of Applied Animal Research</i> . 45(1):409-416 (IF=0.426)	JCR-ISI Web of Knowledge Q3
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18	Adeyemi, K.D., Sabow, A.B Ebrahimi, M., Samsudin, A.A. , Sazili, A.Q., 2016 . Fatty acid composition, cholesterol and antioxidant status of infrasprinatus muscle, liver and kidney of goats fed blend of canola oil and palm oil. <i>Italian</i> <i>Journal of Animal Science</i> . 15:2, 181-190 (IF=0.718)	JCR-ISI Web of Knowledge Q3
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14	Khaing, K. T., Loh, T. C., Saleh, G., Halim, R. A. and Samsudin, A. A.* 2016. Profiling of rumen fermentation and microbial population changes in goats fed with Napier grass supplemented with whole corn plant silage. <i>Asian</i> <i>Journal of Animal Science</i> , 10 (1):1-14. (IF=N/A)	Scopus
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12	K.D. Adeyemi, A. Q. Sazili, M. Ebrahimi, A.A. Samsudin , and A. B. Sabow, 2015. Carcass traits, meat yield and fatty acid composition of adipose tissues and <i>Supraspinatus</i> muscle in goats fed blend of canola oil and palm oil. <i>Journal of Animal Science and Technology</i> , 57:42-56. (IF=N/A)	Scopus
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9	Karwan, Y. K., Foo, H. L., Loh, T. C., Ooi, M. Y., and Samsudin, A. A. 2014. Inhibitory activity of postbiotic produced by strains of <i>Lactobacillus</i> <i>plantarum</i> using reconstituted media supplemented with inulin. <i>Gut</i> <i>Pathogens</i> , 6(23):1-7. (IF=2.281)	JCR-ISI Web of Knowledge Q3
8	Samsudin, A. A.*, Wright, A-D. G., Al Jassim, R.A.M. 2014. The effect of fibre source on the numbers of some fibre degrading bacteria of Arabian camel's (<i>Camelus dromedaries</i>) foregut origin. <i>Tropical Animal Health and Production</i> , 46:1161-1166. (IF=0.817)	JCR-ISI Web of Knowledge Q2
7	Yusuf, A.L., Y.M. Goh, A.A. Samsudin , A.R. Alimon and A.Q. Sazili. 2014 . Growth performance, carcass characteristics and meat yield of boer goats fed diets containing leaves or whole parts of <i>Andrographis paniculata</i> . <i>Asian-Australasian Journal of Animal Sciences</i> , 27(4): 503-510. (IF=0.541)	JCR-ISI Web of Knowledge Q3
6	Samsudin, A. A.* , and Al-Hassani, D. H. 2014 . Effect of xylanase supplementation on the intestinal bacterial community of chickens. <i>Pertanika Journal of Tropical Agricultural Science</i> , 37 (1): 109 – 120. (IF=N/A)	Scopus

5	Khaing, K. T., Loh, T. C., Saleh, G., Halim, R. A. and Samsudin, A. A.* 2014. Effect of different particle length on the bacterial population, fermentation profiles and nutritive value of whole corn plant silage. <i>Livestock Research for</i> <i>Rural Development</i> , 26(11):article no. 197. (IF=N/A)	Scopus
4	A.L. Yusuf, M. Ebrahimi, Y. M. Goh, A.A. Samsudin, A.B. Idris, A.R. Alimon and A.Q. Sazili. 2012 . <i>In vitro</i> digestibility of diets containing different parts of <i>Andrographis paniculata</i> using rumen fluid from goats. <i>Journal of Animal</i> <i>and Veterinary Advances</i> , 11 (21): 3921-3927. (IF=N/A)	Scopus
3	Samsudin, A. A.*, Wright, A-D. G., Al Jassim, R.A.M. 2012. Cellulolytic bacteria in the foregut of the dromedary camel (<i>Camelus dromedaries</i>). <i>Applied and Environmental Microbiology</i> 78 (24): 8836-8839 (IF=3.668)	JCR-ISI Web of Knowledge Q1
2	Samsudin, A. A.*, Evans, P. N., Wright, A-D. G., Al Jassim, R.A.M. 2011. Molecular diversity of the bacterial community in the dromedary camel (<i>Camelus dromedaries</i>). <i>Environmental Microbiology</i> , 13 (11): 3024-3035. (IF=6.201)	JCR-ISI Web of Knowledge Q1
1	S. Anjas Asmara* , A.B.Z. Zuki, B. Mohd Hair, A.J. Awang-Hazmi. 2006 . Gross and histological evaluation of fresh chicken carcass: comparison between slaughtered and cervical dislocated methods. <i>Journal of Animal and Veterinary Advances</i> , 5 (11): 1039-1042. (IF=N/A)	Scopus

*First author or corresponding author

5.1.4 PUBLISHED ARTICLES (NON- CITATION INDEXED JOURNALS)

No	TITLE
19	Eric Lim Teik Chung, Faez Firdaus Abdullah Jesse, Mamat Hamidi Kamalludin, Mohd Farhan Hanif Reduan, Anjas Asmara Samsudin , Teck Chwen Loh 2019. A Case Study: Environmental stressor leading to reproduction problem in a cow. <i>Malaysian Journal of Animal Science</i> . 22(1):65-70.
18	Pristian Yuliana, Erika Budiarti Laconi, Anuraga Jayanegara*, Suminar Setiati Achmadi, Anjas Asmara Samsudin 2019 . Modulation of rumen fermentation and methane emission by lerak extract addition to Gliricidia silage. Jurnal Veteriner. 20(2):202-210.
17	Ghofar, H. S. A., Jahromi, M. J., Ikhsan, F. N. M., Samsudin, A. A.* 2019 . The effects of varying dilution levels of wastewater on the cultivation of Spirulina sp. <i>Malaysian Journal of Animal Science</i> . 22(1):25-33.
16	A. Ibrahim, A.R. Alimon, H. Yaakub, and A.A. Samsudin[*]2019. Effects of dietary oil supplementation on the rumen ciliate protozoa and fiber- degrading bacteria in goats. <i>Malaysian Journal of Animal Science</i> . 22(1):17-24.
15	Ahmad, M.H., Loh T.C., Maidin, M.S. and Samsudin, A. A.* 2018. Effect of different rumen protected fat from palm oil on testosterone level and testicular traits in Malin rams. <i>Malaysian Journal of Animal Science</i> . 21(2):27-28.
14	Atique Ahmed Behan, Anjas Asmara Samsudin* , Loh Teck Chwen, Sharida Fakurazi, Ubedullah Kaka, Asmatullah Kaka 2018 . Effects of different rumen protected fats on serum biochemistry and liver enzyme activity in Dorper sheep. <i>Science International</i> , 30(3):417-422.
13	Hassan Usman Zamani, Teck Chwen Loh, Hooi Ling Foo, Samsudin A. A. , Alshelmani M. I. 2017 . Effects of feeding palm kernel cake with crude enzyme supplementation on growth performance and meat quality of broiler chicken. <i>International Journal of Microbiology and Biotechnology</i> . 2(1): 22-28.

12	Samsudin, A. A.*, Sharmila, A., Jahromi, M. F., Shokryadzan, P., Noor-Amirah, M. N., and Hendry,
	N. 2017. Influence of dietary palm kernel cake on growth performance, carcass composition, meat
	quality, volatile fatty acids, intestinal bacteria population and villus histology of Cherry Valley
	Duck. Malaysian Journal of Animal Science, 20(2):105-120.
11	M. Nabila, A. A. Samsudin*, H. Yaakub, A. R. Alimon. 2017. Effects of baker's yeast as a growth
	promoter supplemented at different level on growth performance, gut morphology, and carcass
	characteristic in broiler. <i>Malaysian Journal of Animal Science</i> , 20(2):83-93.
10	Samsudin, A. A.*, Hendry, N., and Khaing, K.T. 2016. Effects of feeding dietary palm kernel cake
	on egg production and egg quality of Khaki Campbell duck. The Journal of World's Poultry
	Research, 6(1): 1-5.
9	Roslan, N. A., Alimon, A. R., Yaakub, H., Jahromi, M. F., Shokri, J., and Samsudin, A. A.* 2016.
	Effects of Andrographis paniculata and Orthosiphon stamineus supplementation on in-vivo rumen
	fermentation parameters and microbial population in goats fed urea-treated rice straw.
8	Malaysian Journal of Animal Science, 19 (2):71-82. Khaing, K. T., Loh, T. C., Saleh, G., Halim, R. A. and Samsudin, A. A.* 2015. Feed intake, growth
0	performance and digestibility in goats fed whole corn plant silage and Napier grass. Malaysian
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7	Sharmila, A., Kassim, A., Hezmee, M. N., Jahromi, M. F. and Samsudin, A. A.* 2015. Quantitative
,	real-time PCR analysis of the caecal bacteria population of broiler chickens fed with palm kernel
	meal-based diet with or without enzyme supplementation. <i>Journal of Animal and Poultry</i>
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6	Sharmila, A., Alimon, A.R., Kassim, A., Hezmee, M. N., and Samsudin, A. A.* 2014. Improving
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2	Agriculture and Veterinary Science, 7(4):44-47.
3	Rabiu, A., Yaakub, H., Liang, J. B., and Samsudin, A. A.* 2014 . Enhancing biogas production rate of
	cattle manure using rumen fluid of ruminants. <i>IOSR Journal of Agriculture and Veterinary Science</i> ,
_	7(3):25-28.
2	Sharmila, A., Kassim, A., Hezmee, M. N., and Samsudin, A. A.* 2014. <i>In vitro</i> fermentation profiles
	of palm kernel meal (PKM)-based diet supplemented with xylanase using caecal digesta of broiler
	chickens as inoculums. <i>IOSR Journal of Agriculture and Veterinary Science</i> , 7 (1): 30-36.
1	Samsudin, A. A.*, Masori, M.F., and Ibrahim, A. 2013. The effects of effective microorganisms
	(EM) on the nutritive values of fungal-treated rice straw. Malaysian Journal of Animal Science, 16
	(1): 97-105.

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5.2 THESES

- 1. Anjas Asmara Samsudin (2006). Gross and histological evaluation of fresh chicken carcass: comparison between slaughtered and cervical dislocated (un-slaughtered) methods. DVM Final Year Project Thesis. Universiti Putra Malaysia.
- 2. **Anjas Asmara Samsudin (2011).** The bacterial community in the foregut of the dromedary camel. PhD Theses. University of Queensland.

5.3 PROGRAM MODULE

- 1. Module for SHW3003-Farm Practices: Livestock Production under UPMET
- 2. Module for SHW3002 Livestock Agriculture under UPMET
- 3. Module for Inkubasi Usahawantani Ruminant Farming Module

5.4 CONFERENCES / SEMINAR / CONGRESS PROCEEDINGS

5.4.1 INTERNATIONAL

No	TITLE
13	Anjas Asmara Samsudin, Maisara Amin and Teck Chwen Loh 2016. Metagenomic analyses of
	rumen fibrolytic bacteria in swamp buffalo. Proceedings of the 17 th Asian-Australasian
	Society of Animal Production Animal Science Congress. Pp 241. 22 – 25 August 2016,
	Fukuoka, Japan.
12	Samsudin. A. A. 2015*. Recent advances in gut microbiology research in relation to animal
	nutrition. In Proceedings of the 3 rd International Seminar on Animal Industry. Pp 28-31. 17 th
	– 18 th September 2015, Bogor, Indonesia
11	Liyana A. H., Alimon, A. R., and Samsudin. A. A. 2014*. Effect of different levels of L.
	leucocephala and M. esculenta leaves on urinary purine derivatives in goats. In Proceedings
	of the 16 th Asian-Australasian Society of Animal Production Animal Science Congress. Pp 521.
	10 – 14 November 2014, Gadjah Mada University, Yogjakarta, Indonesia.
10	Tenesa, M., Loh, T. C., Foo, H. L., Samsudin, A. A., Zuhainis, S. W., Rosfarizan, and Raha, A. R.
	2014. Performance of layer hen affected by low crude protein diet supplemented with
	essential amino acids. In Proceedings of the 16 th Asian-Australasian Society of Animal
	Production Animal Science Congress. Pp 161. 10 – 14 November 2014, Gadjah Mada
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9	Roslan, N. A., Yaakub, H., Samsudin, A. A. and Alimon, A. R. 2014. In vitro digestibility and
	nutrient content of rice straw treated with urea and effective microorganisms (EM). In
	Proceedings of the 16 th Asian-Australasian Society of Animal Production Animal Science
	Congress. Pp 506. 10 – 14 November 2014, Gadjah Mada University, Yogjakarta, Indonesia.
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	Effects of dietary oils with different fatty acids profiles on rumen fermentation in goats. In
	Proceedings of the 16 th Asian-Australasian Society of Animal Production Animal Science
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7	Yusuf, A. L., Y. M. Goh, A. A. Samsudin, A. R. Alimon and A. Q. Sazili 2013. Growth
	performance, carcass composition of Boer goats fed diets containing leaves and whole plant

 of Andrographis paniculata. Proceedings of the 11th World conference on Animal Pro 15th to 20th October, 2013 at Beijing China. Al Jassim, R.A.M. and Samsudin, A. A. 2013*. Insights into the foregut microbiom Arabian camel (<i>Camelus 31romedaries</i>). In Books of Keynote Papers and Abstract 	duction,
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3 Samsudin, A. A., Wright, A-D. G., Al Jassim, R.A.M. 2010*. The effect of cellulose typ	e on the
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2 Samsudin, A. A., Wright, A-D. G., Al Jassim, R.A.M. 2009*. The protozoan community	y of the
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International Society of Camelid Research and Development. Djerba, Tunisia. 12-1	4 March
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Tunisia. 12-14 March, pp124-125	

5.4.2 NATIONAL

No	TITLE
39	Abdullah, N., Siddique, M.M., Aziz, A.R., Wan Zahari, M., Samsudin, A.A. & Ungku Chulan. 2018. Potential use of selected ethnoveterinary plants in east coast Malaysia as anthelmintic for controlling intestinal parasites in small ruminants. In Proceedings of the 18 th Asian-Australasian Society of Animal Production Animal Science Congress. Pp 27. 1 – 4 August 2018, Borneo Conference and Convention Centre, Sarawak, Malaysia.
38	Izuddin, W.I., Loh, T.C., Samsudin, A.A. & Foo, H.L. 2018 . Effects of postbiotics from <i>Lactobacillus plantarum</i> RG14 on immune status and gastrointestinal health in post-weaning lambs. In Proceedings of the 18 th Asian-Australasian Society of Animal Production Animal Science Congress. Pp 37. 1 – 4 August 2018, Borneo Conference and Convention Centre, Sarawak, Malaysia.
37	Humam, A.M., Loh, T.C., Foo, H.L., Samsudin, A.A ., Noordin, M.M. & Alshelmani, M.I. 2018. Growth performance, immune status and acute phase protein in broiler fed different postbiotics produced by <i>L. plantarum</i> under heat stress. In Proceedings of the 18 th Asian- Australasian Society of Animal Production Animal Science Congress. Pp 45. 1 – 4 August 2018, Borneo Conference and Convention Centre, Sarawak, Malaysia.
36	Ghofar, H.S.A., Jahromi, M.J., Ikhsan, F.N.M. & Samsudin, A.A.*2018. The effects of different

	level of wastewater dilution on Spirulina sp. cultivation. In Proceedings of the 18 th Asian- Australasian Society of Animal Production Animal Science Congress. Pp 70. 1 – 4 August 2018, Borneo Conference and Convention Centre, Sarawak, Malaysia.
35	Ahmad, M.H., Loh, T.C., Shikh Maidin, M., & Samsudin, A.A.* 2018. Effect of rumen protected fat on male reproduction system in Malin sheep. In Proceedings of the 18 th Asian-Australasian Society of Animal Production Animal Science Congress. Pp 305. 1 – 4 August 2018, Borneo Conference and Convention Centre, Sarawak, Malaysia.
34	Yuliana, P., E. B. Laconi, A. Jayanegara and A. A. Samsudin.* 2017 . <i>In vitro</i> evaluation of <i>Gliricedia sepium, Sapindus rarak</i> or <i>Hibiscus</i> sp. supplementation to Napier grass. In Proceedings of the 38 th Malaysian Society of Animal Production Annual Conference. Pp42-43. 27-30 August 2017, Johor.
33	Ghofar, H.S.A, Jahromi, M.F., Ikhsan, F.N.M. and Samsudin A.A.* 2017 . Biomass production of <i>Spirulina</i> sp. strains on different media as supplement for broiler. In Proceedings of the 38 th Malaysian Society of Animal Production Annual Conference. Pp60-61. 27-30 August 2017, Johor.
32	Liyana A. H., Alimon, A. R., Jahromi, M. F. and Samsudin. A. A.* 2017. The effect of <i>Leucaena leucocephala</i> supplemented diet on rumen microbial population of goats. In Proceedings of the 38 th Malaysian Society of Animal Production Annual Conference. Pp119-120. 27-30 August 2017, Johor.
31	Samsudin, A. A.* 2016 . Rise of 'omics' in gut microbiology research in relation to animal nutrition. In Proceedings of the 37 th Malaysian Society of Animal Production Annual Conference. Pp172-173. 1-3 June 2016, Melaka.
30	Saeed, O. A., Sazili, A. Q., Akit, H., and Samsudin, A. A.* 2016 . Effect of supplementing palm kernel cake with urea treated rice straw on rumen fermentation characteristics in Dorper sheep. In Proceedings of the 37 th Malaysian Society of Animal Production Annual Conference. Pp50-51. 1-3 June 2016, Melaka.
29	Nabila, M. A., Yaakub, H., Alimon, A. R. and Samsudin, A. A.* 2016 . Effect of <i>Saccharomyces cerevisiae</i> on <i>Lactobacillus</i> spp. Bacteria count in intestinal tract of broiler. In Proceedings of the 37 th Malaysian Society of Animal Production Annual Conference. Pp92-93. 1-3 June 2016, Melaka.
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25	Maisara, M. A., Alimon, A. R. and Samsudin, A. A. 2015*. <i>In vitro</i> determination of volatile fatty acid of swamp buffalo rumen fluid. In Proceedings of the 2 nd ASEAN Regional Conference on Animal Production and 36 th Malaysian Society of Animal Production Annual

	Conference. Pp143-144. 1-3 June 2015, Port Dickson, Negeri Sembilan.
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	Society of Animal Production Annual Conference. Pp119-120. 1-3 June 2015, Port Dickson,
	Negeri Sembilan.
23	Hidayat, M. Y., Dahlan, I., and Samsudin, A. A.* 2015. Isolation and characterization of sulfur
	oxidizing bacteria from hotspring in Malaysia. In Proceedings of the 2 nd ASEAN Regional
	Conference on Animal Production and 36 th Malaysian Society of Animal Production Annual
	Conference. Pp117-118. 1-3 June 2015, Port Dickson, Negeri Sembilan.
22	Kareem, K. Y., Loh, T. C., Foo, H. L., Samsudin, A. A., Akit, H., Abdulla, N. R. and Zamani, U. Z.
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	Negeri Sembilan.
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	36 th Malaysian Society of Animal Production Annual Conference. Pp101-102. 1-3 June 2015,
	Port Dickson, Negeri Sembilan.
20	Nazli, M. H., Halim, R. A., Samsudin A. A. and Ghazali, H. 2015. Effects of feeding different
	levels of whole corn silage on voluntary intake and body weight changes in cattle. In
	Proceedings of the 2 nd ASEAN Regional Conference on Animal Production and 36 th Malaysian
	Society of Animal Production Annual Conference. Pp87-88. 1-3 June 2015, Port Dickson,
	Negeri Sembilan.
19	Hassan, U. Z., Loh, T. C., Foo, H. L. and Samsudin A. A. 2015. Effect of feeding palm kernel
	cake with crude enzyme supplementation on growth performance of broiler chickens. In
	Proceedings of the 2 nd ASEAN Regional Conference on Animal Production and 36 th Malaysian
	Society of Animal Production Annual Conference. Pp51-52. 1-3 June 2015, Port Dickson,
	Negeri Sembilan.
18	Kareem, K. Y., Loh, T. C., Foo, H. L., Samsudin, A. A., Akit, H. and Abdulla, N. R. 2014.
	Inhibitory activity of postbiotic produced by LAB using reconstitute media supplemented
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	Conference on Animal Production and 35 th Malaysian Society of Animal Production Annual
	Conference. Pp67-68. 4-6 June 2014, Kuching, Sarawak.
15	Nurhazirah, S., Loh, T. C., Foo, H. L., Samsudin, A. A., Zuhainis, S. W., Rosfarizan, and Raha, A.
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	Production and 35 th Malaysian Society of Animal Production Annual Conference. Pp149-150. 4-6 June 2014, Kuching, Sarawak.
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	levels of Leucaena leucocephala and Manihot esculenta leaves on rumen microbial
	population of goats. In Proceedings of the 1 st ASEAN Regional Conference on Animal
	Production and 35 th Malaysian Society of Animal Production Annual Conference. Pp117-118.
	4-6 June 2014, Kuching, Sarawak.
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	vitro gas production of rice straw treated with urea and effective microbe (EM). In
	Proceedings of the 1 st ASEAN Regional Conference on Animal Production and 35 th Malaysian
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	Sarawak.
11	Khaing, K. T., Loh, T. C., Saleh, G., Halim, R. A. and Samsudin, A. A.* 2014. Evaluation of
	nutritive value of corn silage at different particle cutting length. In Proceedings of the 1 st
	ASEAN Regional Conference on Animal Production and 35 th Malaysian Society of Animal
10	Production Annual Conference. Pp93-94. 4-6 June 2014, Kuching, Sarawak.
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	onzumo production via solid state formentation using DKC as a substrate. In Proceedings of
	enzyme production via solid state fermentation using PKC as a substrate. In Proceedings of
	the 1 st ASEAN Regional Conference on Animal Production and 35 th Malaysian Society of
9	the 1 st ASEAN Regional Conference on Animal Production and 35 th Malaysian Society of Animal Production Annual Conference. Pp61-62. 4-6 June 2014, Kuching, Sarawak.
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	 the 1st ASEAN Regional Conference on Animal Production and 35th Malaysian Society of Animal Production Annual Conference. Pp61-62. 4-6 June 2014, Kuching, Sarawak. Sharmila, A., Samsudin, A. A. *, Hezmee, M. N., and Kassim, A. 2013. Effect of non-starch polysaccharidases supplementation on the cecal bacterial population of broiler chickens fed with palm kernel meal diet. In Proceedings of the 34th Malaysian Society of Animal Production Annual Conference. Pp33-34. 3-5 June 2013, Kuantan, Pahang.
	 the 1st ASEAN Regional Conference on Animal Production and 35th Malaysian Society of Animal Production Annual Conference. Pp61-62. 4-6 June 2014, Kuching, Sarawak. Sharmila, A., Samsudin, A. A. *, Hezmee, M. N., and Kassim, A. 2013. Effect of non-starch polysaccharidases supplementation on the cecal bacterial population of broiler chickens fed with palm kernel meal diet. In Proceedings of the 34th Malaysian Society of Animal Production Annual Conference. Pp33-34. 3-5 June 2013, Kuantan, Pahang. Atikah, N. I., Alimon, A. R., Samsudin, A. A., Yaakub, H., Abdullah, N., and Ivan, M. 2013.
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8	 the 1st ASEAN Regional Conference on Animal Production and 35th Malaysian Society of Animal Production Annual Conference. Pp61-62. 4-6 June 2014, Kuching, Sarawak. Sharmila, A., Samsudin, A. A. *, Hezmee, M. N., and Kassim, A. 2013. Effect of non-starch polysaccharidases supplementation on the cecal bacterial population of broiler chickens fed with palm kernel meal diet. In Proceedings of the 34th Malaysian Society of Animal Production Annual Conference. Pp33-34. 3-5 June 2013, Kuantan, Pahang. Atikah, N. I., Alimon, A. R., Samsudin, A. A., Yaakub, H., Abdullah, N., and Ivan, M. 2013. Effect of dietary oils on rumen protozoa. In Proceedings of the 34th Malaysian Society of Animal Production Annual Conference. Pp41-42. 3-5 June 2013, Kuantan, Pahang. Khaing, K. T., Samsudin, A. A. *, Loh, T. C., and Saleh, G. 2013. Effect of particle length of corn silage on bacterial densities of total viable bacterial and lactic acid bacteria population.
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8	 the 1st ASEAN Regional Conference on Animal Production and 35th Malaysian Society of Animal Production Annual Conference. Pp61-62. 4-6 June 2014, Kuching, Sarawak. Sharmila, A., Samsudin, A. A. *, Hezmee, M. N., and Kassim, A. 2013. Effect of non-starch polysaccharidases supplementation on the cecal bacterial population of broiler chickens fed with palm kernel meal diet. In Proceedings of the 34th Malaysian Society of Animal Production Annual Conference. Pp33-34. 3-5 June 2013, Kuantan, Pahang. Atikah, N. I., Alimon, A. R., Samsudin, A. A., Yaakub, H., Abdullah, N., and Ivan, M. 2013. Effect of dietary oils on rumen protozoa. In Proceedings of the 34th Malaysian Society of Animal Production Annual Conference. Pp41-42. 3-5 June 2013, Kuantan, Pahang. Khaing, K. T., Samsudin, A. A. *, Loh, T. C., and Saleh, G. 2013. Effect of particle length of corn silage on bacterial densities of total viable bacterial and lactic acid bacteria population. In Proceedings of the 34th Malaysian Society of Animal Production Annual Conference. Pp111-112. 3-5 June 2013, Kuantan, Pahang. Nurhazirah, S., Loh, T. C., Foo, H. L., Samsudin, A. A., Zuhainis, S. W., Rosfarizan, and Raha, A.
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8	 the 1st ASEAN Regional Conference on Animal Production and 35th Malaysian Society of Animal Production Annual Conference. Pp61-62. 4-6 June 2014, Kuching, Sarawak. Sharmila, A., Samsudin, A. A. *, Hezmee, M. N., and Kassim, A. 2013. Effect of non-starch polysaccharidases supplementation on the cecal bacterial population of broiler chickens fed with palm kernel meal diet. In Proceedings of the 34th Malaysian Society of Animal Production Annual Conference. Pp33-34. 3-5 June 2013, Kuantan, Pahang. Atikah, N. I., Alimon, A. R., Samsudin, A. A., Yaakub, H., Abdullah, N., and Ivan, M. 2013. Effect of dietary oils on rumen protozoa. In Proceedings of the 34th Malaysian Society of Animal Production Annual Conference. Pp41-42. 3-5 June 2013, Kuantan, Pahang. Khaing, K. T., Samsudin, A. A. *, Loh, T. C., and Saleh, G. 2013. Effect of particle length of corn silage on bacterial densities of total viable bacterial and lactic acid bacteria population. In Proceedings of the 34th Malaysian Society of Animal Production Annual Conference. Pp111-112. 3-5 June 2013, Kuantan, Pahang. Nurhazirah, S., Loh, T. C., Foo, H. L., Samsudin, A. A., Zuhainis, S. W., Rosfarizan, and Raha, A. R. 2013. Determining the biological effects of functional amino acid supplementation in low crude protein diet on growth performance of broiler chicken. In Proceedings of the 34th Malaysian Society of Animal Production Annual Conference.

	crude protein diet on growth performance of layer chicken. In Proceedings of the 34^{th}			
	Malaysian Society of Animal Production Annual Conference. Pp188-189. 3-5 June 2013,			
	Kuantan, Pahang.			
4	Samsudin, A. A. *, Wright, A-D. G., Al Jassim, R.A.M. 2012. Diversity of the dromedary camel			
	(Camelus dromedaries) foregut's bacteria. In Proceedings of the 33rd Malaysian Society of			
	Animal Production Annual Conference. Pp42-44. 4-7 June 2012, Langkawi, Kedah.			
3	Yusuf, A. L., Goh, Y. M., Samsudin, A. A., Idris, A. B., Alimon, A. R., and Sazili, Q. 2012. Effects			
	of Andrographis paniculata on the extent and rate of in vitro gas and methane production. In			
	Proceedings of the 33 rd Malaysian Society of Animal Production Annual Conference. Pp76-			
	77. 4-7 June 2012, Langkawi, Kedah.			
2	Yusuf, A. L., Goh, Y. M., Samsudin, A. A., Idris, A. B., Alimon, A. R., and Sazili, Q. 2012. Effects			
	of Andrographis paniculata on in vitro digestibility using rumen fluid from goats. In			
	Proceedings of the 33 rd Malaysian Society of Animal Production Annual Conference. Pp72-			
	73. 4-7 June 2012, Langkawi, Kedah.			
1	S. Anjas Asmara*, A.B.Z. Zuki, B. Mohd Hair and A.J. Awang Hazmi. 2007. Effects of Slaughter			
	and Cervical Dislocation Methods on Fresh Chicken Carcass. In Proceedings of the 28^{th}			
	Malaysian Society of Animal Production Annual Conference. Pp83-84. 29-31 May 2007,			
	Kuching Sarawak.			

5.5 COPYRIGHT, PATENT & LICENSING

No	ITEM	APPLICATION ID	ТҮРЕ
1	Well silo for green materials storage	PI 2015704769	Patent
2	Poultry Management Module	UPM-100-45/2 I	Copyright

6.0 CONSULTANCY

6.1 CONSULTANCY PROJECT

No	CONSULTANCY PROJECT	INSTITUTION	YEAR
1	Knowledge Transfer Program (KTP): Knowledge and economics	APEEC, UPM	2011-2013
	enhancement program for goat farmers and their families at		
	Mukim Batu Talam, Raub Pahang.		
2	Proposed Infrastructure Development Project for Social	Perak State	2014
	Integration and Agrotourism Farm (PLISA) in Region Kg.	Government	
	Makmur, Mukim Sg. Galah , Tanjung Tualang District , Perak	(SADC)	
3	Improving milk production of dairy goats through improved	Dept. of Animal	2014-2016
	feed resources and supplementation with local herbs.	Sci., UPM	
4	Knowledge Transfer Program (KTP)-Flagship: Development of	UCTC, UPM	2016-2018
	Batu Talam District as the production hub of herbs, chicken and		
	local fruits		
5.	The master plan for agricultural development in Selangor state	Unit Perancangan	2016
		Ekonomi Negeri	
		Selangor	
6.	The master plan for agricultural development in Lembah	MK Land	2018
	Beriah, Perak		

7.0 CONFERENCES / SEMINARS / COURSES / TRAININGS AND WORKSHOPS ATTENDED

7.1 CONFERENCES AND SEMINARS (PRESENTED PAPERS / POSTERS)

7.1.1 INTERNATIONAL

The 3 rd International Conference of Animal Science and Technology" (ICAST 3 2020) in the city of				
Makassar, South Sulawesi Indonesia, 3 RD November 202				
KEYNOTE	KEYNOTE Samsudin, A. A., Dalia, A. M. and Aliyu, I. M. 2020. Fostering potential beneficial			
SPEAKER	microorganisms for livestock production.			
The 17 th Asian-	Australasian Society of Animal Production Animal Science Congress, 22 – 25 August			
2016, Fukuoka	, Japan.			
ORAL	Anjas Asmara Samsudin, Maisara Amin and Teck Chwen Loh 2016. Metagenomic			
	analyses of rumen fibrolytic bacteria in swamp buffalo. Proceedings of. Pp 186.			
International S	eminar on Livestock Production and Veterinary Technology, Bali Indonesia 10 ^h			
August 2016.				
INVITED	Samsudin, A. A., Atikah, N. I., Alimon, A. R., Yaakub, H., Abdullah, N., and Ivan, M.			
SPEAKER	2016 . Effects of dietary oils with different fatty acids profiles on fibre-degrading			
rumen bacteria population in goats.				
Symposium on Sustainability of Animal Production in ASEAN Countries with specific Case in				
Indonesia and	Malaysia, 24 th February 2016.			
INVITED	Samsudin, A. A., 2016*. Manipulation of rumen microbial population and			
SPEAKER	fermentation through fatty acid supplementation			
The 3 rd Interna	itional Seminar on Animal Industry 2015, 17 th – 18 th September 2015, Bogor,			
Indonesia				
INVITED	Samsudin, A. A., 2015*. Recent advances in gut microbiology research in relation			
SPEAKER	to animal nutrition.			
The Internatio	nal Camel Conference. 19-21 December 2013, Bahawalpur, Pakistan.			
INVITED	Samsudin, A. A., 2013*. Insight into the foregut bacterial community of the			
SPEAKER	dromedary camel.			
The 7 th Joint Sy	mposium on Gut Microbiology. Aberdeen, Scotland. 23-25 June 2010.			
POSTER	Samsudin, A. A.*, Wright, A-D. G., Al Jassim, R.A.M. 2010. The effect of cellulose			
	type on the bacterial community of the dromedary camel's foregut.			

7.1.2 NATIONAL

1. The International Agriculture Congress 2014. 25-27 November 2014, Putrajaya, Malaysia				
POSTER	DSTER Maisara, M. A. and Samsudin, A. A. 2014*. Rumen gas production of swamp			
	buffalo using <i>in vitro</i> gas production technique.			
2. The 33 rd Ma	2. The 33 rd Malaysian Society of Animal Production Annual Conference. 4-7 June 2012, Langkawi,			
Kedah.	Kedah.			
ORAL	ORAL Samsudin, A. A.*, Wright, A-D. G., Al Jassim, R.A.M. 2012. Diversity of the			
	dromedary camel (Camelus dromedaries) foregut's bacteria.			
3. The 28 th Malaysian Society of Animal Production Annual Conference. 29-31 May 2007, Kuching				
Sarawak.				

POSTER	S. Anjas Asmara*, A.B.Z. Zuki, B. Mohd Hair and A.J. Awang Hazmi. 2007. Effects of	
	Slaughter and Cervical Dislocation Methods on Fresh Chicken Carcass.	

7.2 EXHIBITION

No	EXHIBITION	ORGANIZER	LEVEL
1	Invention, Research and Innovation Exhibition	UPM	NATIONAL
	(PRPI)		

7.3 COURSES / WORKSHOPS / TRAININGS

7.3.1 FACULTY LEVEL

No	COURSE / SEMINAR / WORKSHOP	PLACE	DATE
1	LOKI Assessment Workshop	Dewan Pertanian, UPM	12 April 2012
2	Dynamic Teamwork Program 2012	Eagle Ranch Resort, P.D	28-30 Sept
			2012
3	Laboratory Staff Requirement Planning	Puncak Inn Fraser's Hill,	2-4 Nov 2012
	Workshop	Pahang	
4	Pre-workshop on Faculty of Agriculture Direction	Dewan Pertanian, UPM	18-19 Dec
			2012
5	Workshop on Faculty of Agriculture Direction	Royal Bintang,	18-20 Jan
		Seremban	2013
6	Faculty of Agriculture Website Centralization	Makmal Komp Blok C,	20 Mac 2013
	Enhancement workshop-1	Fak. Pertanian	
7	Faculty of Agriculture Website Centralization	Makmal Komp Blok C,	28 Mac 2013
	Enhancement workshop-2	Fak. Pertanian	

7.3.2 COURSES / SEMINARS / WORKSHOPS ATTENDED IN ORDER TO IMPROVE THE QUALITY OF TEACHING

No	COURSE / SEMINAR / WORKSHOP	ORGANIZER	DATE
1	Make Learning Fun: LMS Alive	CADe	19 June 12
2	Basic Course Teaching	CADe	9-17 July 12
3	Workshop on Development of Student-Centered	TNC (Akademik) &	21-22 Jan 13
	Learning (SCL) Implementation Standard	CADe	
4	Workshop on Putra Blended Learning	Fac. of Agriculture	7 Aug 15
5	High Impact Educational Practices (HIEPS)	CADe	12 Mei 17

7.3.3 COURSES / SEMINARS / WORKSHOPS ATTENDED IN ORDER TO IMPROVE ACADEMIC CAREER DEVELOPMENT

No	COURSE / SEMINAR / WORKSHOP	ORGANIZER	DATE
1	High Performance Transformation Course	Seksyen Latihan (Akad)	30-2 Dec 12
		Pendaftar	

2	Intellectual discourse with Prof Dr. Zaini Ujang	CADe	21 Nov 2012
	(VC UTM)		
3	ACCELT Leadership Development Training	AKEPT, Ministry of	25-27 June
	Program in Curriculum Design, Management and	Education Malaysia	2013
	Development Level 1		
4	Leadership in University – Community	AKEPT, Ministry of	24-25 Nov
	Engagement	Education Malaysia	2015

7.3.4 COURSES / SEMINARS / WORKSHOPS ATTENDED FOR STUDENT DEVELOPMENT

No	COURSE / SEMINAR / WORKSHOP	ORGANIZER	DATE
1	Training of Trainers (TOT) Workshop on Starting	Pusat Kokurikulum dan	28 Aug 2012
	School	Pembangunan Pelajar	
2	Workshop on Student Appearance and	Pusat Kokurikulum dan	5 Sept 2012
	Communication Skills Course (Finishing School)	Pembangunan Pelajar	
3	Workshop on Student Appearance and	Pusat Kokurikulum dan	11 June 2013
	Communication Skills Course (Finishing School)	Pembangunan Pelajar	
4	Workshop on Student Appearance and	Pusat Kokurikulum dan	6-7 July 2013
	Communication Skills Course (Finishing School)	Pembangunan Pelajar	

7.3.5 COURSES / SEMINARS / WORKSHOPS ATTENDED IN ORDER TO IMPROVE QUALITY OF RESEARCH

No	COURSE / SEMINAR / WORKSHOP	ORGANIZER	DATE
1	Next-Generation Sequencing analysis and	Malaysian Genome	30-31 May
	applications	Institute	2012
2	Genome bioinformatics for biologist	Malaysian Genomic	2-3 Oct 2012
		Resource Centre	
3	Bacterial Genomics-From sequencing strategies to	Malaysian Genomic	11-12 Dec
	bioinformatics analysis	Resource Centre	2012
4	Workshop on high throughput and deep	IBS, UPM	7-9 Jan 2014
	sequencing-application in genomics and		
	transcriptomics		
5	Microbial quantification workshop-from bench to	ITA and ABI, UPM	21-22 Jan
	data analysis		2014
6	Bioinformatics for Metagenomics	Science Vision Sdn.	9-10 Dec
		Bhd.	2015

7.3.6 COURSES / SEMINARS / WORKSHOPS ATTENDED IN ORDER TO IMPROVE QUALITY OF LEADERSHIP AND GOOD GOVERNANCE

No	COURSE / SEMINAR / WORKSHOP	ORGANIZER	DATE
1	AL301 Academic Governance and Leadership	AKEPT	21-22 Nov
			2016
2	Ideas and Roles of Higher Education in Malaysia	AKEPT	20-21 Feb

	for 21 st Century		2017
3	Editor's Day with Elsevier	Malaysian Citation	21 Mac 2017
		Center, MoHE	
4	Pemantapan Pemahaman Akta 605 (Kumpulan	Registrar UPM	1 Aug 2017
	Himpunan Bakat)		
5	International Deans' Course Malaysian Chapter	AKEPT	30 June – 10
	(My Idc) – PHASE I - EDC Hotels & Resorts, UUM		July 2019
	Sintok, Kedah		
6	International Deans' Course Malaysian Chapter	АКЕРТ	18 – 22
	(My Idc) – PHASE II – The Imperial Heritage Hotel,		November
	Melaka		2019
7	International Deans' Course Malaysian Chapter	AKEPT	9–13
	(My Idc) – PHASE III – Tan'Yaa Hotel, Cyberjaya		February
			2020

8.0 PROFESSIONAL SERVICES

8.1 REVIEWER / EDITOR

No	JOURNAL	TITLE	YEAR	Quartile
1	Pertanika – Journal of Tropical Agricultural Science.	Carcass and meat characteristics of traditionally managed Nigerian Yankasa and West African dwarf breeds of sheep.	2012	Scopus
2	Sains Malaysiana	Effect of supplementing soya waste on intake and growth performance of goats fed on Napier grass (<i>Pennisetum purpureum</i>).	2013	Q3
3	Livestock Science	Phylogenetic and gene-centric approach of camel gut metagenome under different systems of management.	2014	Q1
4	Malaysian Journal of Animal Science (MJAS)	The effects of utilization of Balanites aegyptiaca kernel meal as substitute for super-concentrate in broiler chicken rations on feed intake, live weight and carcass characteristics sheep.	2014	Non-Cl
5	Biochemistry and Biotechnology Research	Assessment of zinc and copper in camels (<i>Camelus dromedaries</i>) using certain biochemical indicators.	2014	Non-Cl
6	Pertanika – Journal of Tropical Agricultural Science.	Performance, haematological parameters and faecal egg count of semi-intensively managed West African dwarf sheep to varying levels of cassava leaves and peels supplementation.	2014	Scopus
7	Applied and Environmental Microbiology	Exploring structure and composition of bacterial community resident in camel rumen.	2014	Q1
8	Sains Malaysiana	Effects of DHA and EPA on the fermentation of anaerobic fungus <i>Piromyces</i> sp. F1.	2015	Q3
9	Malaysian Journal of Animal Science (MJAS)	Haematology and serum biochemistry of cattle fed coconut oil with concentrate as supplementary feed.	2015	Non-Cl
10	Ciencia e Investigación Agraria	Kinetic parameters of ruminal degradation of Marandu grass silage with brewer's grain added.	2015	Q4
11	Revista Brasileira de Zootecnia	Cottonseed oil in diets for growing broilers	2015	Q3
12	Media Peternakan	Improvement nutritive quality of fermented forage through inoculation of <i>Lactobacillus plantarum</i> and formic acid	2015	Scopus
13	Revista Brasileira de Zootecnia	Effects of feed restriction and forage:concentrate ration on digestibility, methane emission and energy utilization by goats	2015	Q3

14	Ciencia e Investigacion Agraria	Analysis of empirical attributes and limitations of methodologies for predicting the ruminal protein and degradability	2016	Q4
15	Malaysian Journal of Animal Science (MJAS)	Effect of tree leaves on rumen fermentation, microbial count and blood urea nitrogen of West African dwarf goats.	2016	Non-Cl
16	Media Peternakan	Screening phytochemical and <i>in vitro</i> ovicidal, larvacidal, nematicidal of (<i>Murraya paniculata</i> (I.) jack (extract) of gastrointestinal parasites of goats.	2016	Scopus
17	British Biotechnology Journal	Influence of varying energy and protein levels on the carcass characteristics and gut morphology of broiler chickens.	2016	Non-Cl
18	Journal in Advances in Biology and Biotechnology	Aspergillus flavus degraded brewer dried grains for broiler chicken diet: Performance and nutrient digestibility parameters.	2016	Non-Cl
19	British Microbiology Research Journal	Microbial analysis of poultry feeds produced in Songhai Farms, Rivers State, Nigeria.	2016	Non-Cl
20	Khon Khaen University Research Journal	Effects of Pond Snails (<i>Filopaludina martensi</i>) Meal on Growth Performance and Carcass Quality of Thai Native Chickens.	2016	Non-Cl
21	Archives of Microbiology	Characterization of the methanogenic archaeal community in the C1 compartment of the camel (<i>Camelus dromedarius</i>).	2016	Q4
22	Media Peternakan	Fermentative end products of in vitro rumen fluid cultures performed by different incubation media on cellulolytic substrate.	2017	Scopus
23	Journal of Tropical Agriculture and Food Science (JTAFS)	Anticoccidial effect of Ginger and its effects on the antioxidative capacity in broiler chicken	2017	Non-Cl
24	Pertanika – Journal of Tropical Agricultural Science	Correlation and regression equation between body weight and zoometric measurements in New Zealand white and Chinchilla rabbits.	2017	Scopus
25	Pertanika – Journal of Tropical Agricultural Science	Effect of treatment methods on the nutritive quality of Elephant-ear seeds (<i>Enterolobium cyclocarpum</i> Jacq Griseb) as feed for ruminant production.	2017	Scopus
26	Pertanika – Journal of Tropical Agricultural Science	Potential of Albizia lebbeck-cassava peel silage as dry season feed for West African dwarf sheep.	2017	Scopus
27	Media Peternakan	Effects of bioconversion of cocoa pod husk with <i>Phanerochaete chrysosporium</i> and <i>Pleurotus ostreatus</i> and or <i>Moringa oleifera</i> and urea on its nutritional qualities for ruminants.	2017	Scopus
28	Malaysian Journal of	Response of broiler chickens to oral	2017	Non-Cl

	Animal Science (MJAS)	administration of Lagenaria breviflora R.		
		managed under two housing systems.		
29	Malaysian Journal of Animal Science (MJAS)	Histopathology of challenged catfish <i>Clarias</i> gariepinus (Burchell, 1822) with <i>Pseudomonas aeruginosa</i> and <i>Aeromonas</i> sobria and sensitivity to some plant extracts.	2017	Non-Cl
30	Journal of Animal Physiology and Animal Nutrition	Identification of differentially expressed genes in broiler offspring under maternal folate deficiency.	2018	Q2
31	Jurnal Ilmu-Ilmu Peternakan	Effect of wheat with xylanase supplementation as corn substitution on nutritional digestibility.	2018	Non-Cl
32	PLOS One	The effect of the fat type on the intestinal digestibility of fatty acids, the fatty acid profiles of breast meat and abdominal fat, and the mRNA expression of lipid-related genes in broiler chickens	2018	Q1
33	Reproduction, Fertility and Development	Nutritional effects on ovulation rate, progesterone receptor gene and progesterone concentration of Boer goats', for reproduction, fertility and development.	2019	Scopus
34	Annals of Animal Science	Effects of microalgae species on <i>in vitro</i> rumen fermentation pattern and methane production.	2019	Q2
35	Livestock Science	Comparative effects of dietary organic, inorganic, and Nano-selenium complexes and rosemary essential oil on performance, meat quality and selenium deposition in muscles of broiler chickens.	2019	Q1
36	Journal of Applied Animal Research	Effect of alfalfa hay replacing with different levels of <i>Leucaena leucocephala</i> (<i>L. leucocephala</i>) leaves on <i>in vitro</i> gas production parameter, digestibility and in situ degradability in buffalo.	2019	Q3
37	Brazilian Journal of Poultry Science	Cholesterol-lowering activity of lactic acid bacteria and yeast when used as probiotics for quail (<i>Coturnix coturnix japonica</i>).	2019	Q4
38	Animal Production Science	Nano-selenium improves humoral immunity, growth performance and breast muscle selenium content of broiler chickens.	2020	Q1
39	Animal Feed Science and Technology	Screening of cyanide-utilizing bacteria from rumen and in vitro evaluation of fresh cassava root utilization with pellet containing high sulfur diet	2020	Q1

NO	CONFERENCES/SEMINARS/SYMPOSIUM	TITLE OF THE ABSTRACT		
1	Extended abstract reviewer for the	Behnaz Mahdavi ¹ , Hamidreza Khodaei ¹ (2014) Effects of Conjugated Linoleic Acid (CLA) on the		
	International Agriculture Congress 2014.	reproductive axis (pituitary, thyroid, testes) of ram		
	25-27 November 2014, Putrajaya, Malaysia.	in non-reproductive season.		
		Shehu, d. M. ^{1*} , oni, o. O. ² , adeyinka, i. A. ³ , and		
		omage, j. J (2014). Genetic and environmental		
		factors that affect gestation length and calving		
		interval in Friesian x Bunaji cows		
		F. Mirzaei Aghjeh Qeshlagh ¹ , b. Navidshad ¹ and M.		
		Fooladi ¹ (2014). Effect of n-3 fatty acid on semen		
		characteristics in Moghani rams		
		Karamati Jabehdar, s. ¹ , Mirzaei Aghjeh Qeshlagh, f. ¹ , Ghorbani, A. ² , Fathi Achachloei, B. ¹ (2014). The		
		effect of height and season on composition and		
		macro mineral concentration of grazing sheep milk		
		in south-eastern of Sabalan rangelands		
		Uneze, C.U. ¹ , Yahaya, M.A. ² and Aboki, P. ³ (2014).		
		Modeling internal quality indices of shell eggs		
		under ambient and refrigeration storage		
2	Extended abstract reviewer for The 3 rd	Thongsuk Jetana ¹ , Sungworn Uswang ¹ , Sunpeth		
	International Seminar on Animal	Sophon ² , Mongkol Techakamphu ³ (2015). Rain		
	Industry 2015. 17-18 September 2015,	Tree Pod (Samamea saman) In Livestock Feeds:		
	Bogor Indonesia	Opportunity, Challenges and Possibility.		
3.	The 2 nd International Conference in	Improving antibacterial activity and viability		
	Natural Product and Bio-resource	of Lactobacillus plantarum AKK30 as feed additive		
	Sciences. 1-2 November 2018,	by addition of different oligosaccharides Endo-xylanase enzyme from marine actinomycetes		
	Tangerang, Indonesia	and its potential for xylooligosaccharide		
		production		
		Effect of chitosan oligoshaccarida (COS) and I-		
		arginine supplementation on broiler performance		
		in the tropical environment		
		Synergistic effect between lactic acid bacteria and		
		yeast and the probiotic properties of		
		microencapsulated cultures		
		Analysis of organic acids produced by lactic acid		
		bacteria		

8.2 REVIEWER OF CONFERENCE PROCEEDINGS / EXTENDED ABSRACT

8.3 REVIEWER OF RESEARCH GRANT APPLICATION

NO	TITLE OF RESEARCH GRANT	FUNDER/YEAR	LEVEL
1	Enhancing protein content in Napier grass-based diet by	FRGS 2017-1	RMC, UPM
	supplementing with a microalgae for growth performance		

	and meat quality of goats.		
2	Enhancing enzyme activity by implementing synergism and gene editing on filamentous fungi to improve ruminal degradability of oil palm fronds.	FRGS 2017-1	RMC, UPM
3	Determination the effects of indigenous silage bacteria and its associated bacterial communities using conventional and next generation sequencing approaches towards improved silage quality.	FRGS 2018-1	MOSTI
4	Forage production and nutritive value of red and green Napier grass and <i>Gliricidia sepium</i> cultivated in alley cropping for lamb production.	FRGS 2018-1	RMC, UPM
5	Determination the effects of indigenous silage bacteria and its associated bacterial communities using conventional and next generation sequencing approaches towards improved silage quality	FRGS 2018-1	RMC, UPM
6	Growth and lipogenic genes polymorphism and expression in divergent breeds of chicken	FRGS 2018-1	RMC, UPM
7	Understanding the effect of organic selenium on tropical heat stress and parasite infection in chickens	FRGS 2018-1	RMC, UPM
8	Probiotic characterization of lactic acid bacteria from soil as growth promoter for goats	FRGS 2018-1	RMC, UPM
9	Determination of pathophysiology in goat's reproductive system (male and female) due to <i>Mannheimia haemolytica</i> A2 infection and its endotoxin Lipopolysaccharides (LPS): establishing fundamental knowledge.	FRGS 2018-1	RMC, UPM
10	Effect of fruit waste in enhancing establishment of probiotic growth in livestock growth	FRGS 2019-1	RMC, UPM
11	Protease-treated Black Soldier Fly Larvae (Pt-BSFL) as Sustainable Alternative Protein Source for Poultry Feed	FRGS 2019-1	UMK
12	Food security, safety and socio-economic status enhancement on dairy goat smallholders in east coast Malaysia through precision livestock farming	TRGS 2019-1 concept paper	UMK
13	Profiling of vomeronasal receptor genes and evolutionary lineage of monogamous Malayan porcupine (<i>Hystrix</i> <i>brachyura</i>)	FRGS 2020-1	UPM
14	Pre-slaughter stress intensities and their effects on animal welfare, physiological responses, muscle biochemistry, and carcass and meat quality traits in goats.	FRGS 2020-1	UPM
15	Enhancing the production performance and immunopathology responses through novel feeding of Brachiaria decumbens saponins as a phytobiotic supplement in commercial broilers and village chickens	FRGS 2020-1	UPM
16	Ascertaining Inorganic, Organic Selenium-yeast and Vitamin E to Reduce Parasitic Infection in Free-Range Chicken.	FRGS 2020-1	UPM

17	Embryo transfer; new frontier for large population of superior	FRGS 2020-1	UMK
	dairy goat		
18	Efficacy evaluation of selected indigenous lactic acid bacteria	FRGS 2020-1	MESTECC
	isolates as a probiotic candidate and antibiotic substitute in		
	feed composition for broiler chickens		
19	Exploring nutrient composition, anti-nutrient factors and	FRGS 2020-1	UPM
	price competitiveness of alternative feed proteins for poultry		
	production in Malaysia		

8.4 MENTOR FOR KURSUS ASAS PENGAJARAN (KAP)

NO	NAME OF ACADEMICIAN	FACULTY	YEAR
1	Dr. Nur Aida Bte Tamrin	Department of Animal Science,	2019
		Faculty of Agriculture	
2	Dr. Mohd Nazri Bin Nayan	Department of Animal Science,	2020
		Faculty of Agriculture	

8.5 REVIEWER OF ACADEMIC PROGRAM UNDER MALAYSIAN QUALIFICATIONS AGENCY (MQA)

NO	INSTITUTION/PROGRAM PROVIDER	PROGRAM	YEAR
1	UNIVERSITI MALAYSIA KELANTAN	Sains Gunaan Sains Ternakan (MQA/FA	2014
		4888)	
2	KOLEJ VOKASIONAL DATO LELA	Diploma Agroindustri Ternakan	2016
	MAHARAJA, REMBAU NEGERI	Ruminan (MQA/FA 5426)	
	SEMBILAN		
3	GOON INTERNATIONAL COLLEGE	Dipoma in Veterinary Science	2017
		(MQA/PA 8971)	
4	DEPARTMENT OF VETERINARY	Veterinary Laboratory Technology	2017
	SERVICES, MALAYSIA	(MQA/NT0206)	
5	UNIVERSITI MALAYSIA KELANTAN	Postgraduate Program	2018
6	UNIVERSITI MALAYSIA SARAWAK	BSc. (Hons) Animal Resource Science	2018
		and Management (MQA/FA 9711)	
7	KOLEJ VOKASIONAL LAHAD DATU,	Diploma Agroindustri Ternakan	2018
	SABAH	Ruminan (MQA/FA 10264)	
8	KOLEJ VOKASIONAL LAHAD DATU,	Diploma Agroindustri Ternakan Poltri	2018
	SABAH	(MQA/FA 10265)	
9	KOLEJ VOKASIONAL CHENOR,	Diploma Agroindustri Ternakan	2018
	PAHANG	Ruminan (MQA/FA 10445)	
10	KOLEJ VOKASIONAL CHENOR,	Diploma Agroindustri Ternakan Poltri	2018
	PAHANG	(MQA/FA 10446)	
11	KOLEJ VOKASIONAL TELUK INTAN,	Diploma Agroindustri Ternakan	2018
	PERAK	Ruminan (MQA/FA 10375)	
12	KOLEJ VOKASIONAL TELUK INTAN,	Diploma Agroindustri Ternakan Poltri	2018
	PERAK	(MQA/FA 10376)	
13	KOLEJ UNIVERSITI AGROSAINS	Diploma Pengeluaran Ternakan	2019

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	MALAYSIA (UCAM), MELAKA	(MQA/FA 3548)	
14	UNIVERSITI MALAYSIA SABAH	Sarjana Muda Sains Pertanian dengan	2019
		Kepujian (Pengeluaran Ternakan)	
		(MQA/FA 10920)	
15	UNIVERSITI SULTAN AZLAN SHAH	Sarjana Muda Industri Pertanian	2019
	(USAS), PERAK	(KEPUJIAN) (MQA/PA 12252)	
16	KOLEJ ANTARABANGSA CYBERLYNX	Diploma Teknologi Veterinar (MQA01)	2019
17	UNIVERSITI MALAYSIA SABAH	Sarjana Muda Sains Pertanian dengan	2020
		Kepujian (Pengeluaran Ternakan)	
		(MQA/FA 10920)	

8.6 PANEL JUDGE FOR SCIENTIFIC POSTER SESSION

NO	CONFERENCES/SEMINARS/SYMPOSIUM	DATE	PLACE
1	Judge for Poster Session in The 1 st ASEAN Regional Conference	4-6 June	Kuching
	on Animal Production and 35 th Malaysian Society of Animal	2014	
	Production Annual Conference.		
2	Judge for Poster Session in the International Agriculture	25-27 Nov	Putrajaya
	Congress 2014	2014	
3	Judge for Poster Session in the 37 th Malaysian Society of Animal	1-3 June	Melaka
	Production Annual Conference.	2016	

8.7 EXPERT MEMBER IN RESEARCH SPECIALIZATION / AREA

NO	POSITION	TENURESHIP
1	Malaysian Qualifications Agency – Program Assessor	2013-2016
2	Members alternate committee of Animal Feed Specifications and Standards under SIRIM	1 st Nov 2014- 1 st Nov 2016
3	Malaysian Journal of Animal Science – Associate Editor	2014-present
4	Malaysian Qualifications Agency – Program Assessor	2016-2019
5	Board of Director for PKPS Livestock Farm Sdn. Bhd., a subsidiary company of Selangor Agricultural Development Corporation	2017-2019
6	International Farm Comparison Network (IFCN) Dairy Country Profile Partner	2019-2020

8.8 MEMBERSHIP IN PROFESSIONAL, COMMUNITY OR UNIVERSITY OUTSIDE OF OFFICIAL DUTIES

NO	ORGANIZATION	ROLE		
1	Malaysian Society of Animal Production (MSAP) Member			
2	Veterinary Association of Malaysia (VAM) Member			
3	International Society of Camelid Research and Development (ISOCARD)	Member		

8.9 EXAMINER OF THESES - MASTER OF SCIENCE (UPM)

No	Name	Matric No.	Title of Project	
1	Norafizah Binti Abdul Rahman	GS29530	EffectsofLactobacillusplantarumandPropionibacteriumfreudenreichiissp.Shermaniiasadditives for corn silage fermentation.	
2.	Mohd Azlan Bin Pauzi	GS27421	Effect of fungal treatment on methane mitigation and nutritive value of rice straw.	
3.	Thayalini A/P Kathiraser	GS32614	Effect of dietary supplementation of black cumin seed meal on rumen fermentation in goats.	
4.	Rosyidah Bt. Mohd Radzi	GS27654	Effect of feeding postbiotic metabolites produced by <i>Lactobacillus plantarum</i> and acidifiers on broiler chickens	
5.	Alif Aiman Bin Zakaria	GS40492	Effect of polyphenols in oil palm (<i>Elaeis guineensis Jacs</i> .) leaf on <i>in vitro</i> rumen fermentation, biohydrogenation and microbial populations.	
6.	Aliyu Ahmed Yusuf	GS38285	Source and utilization of calcium and dehydrated food waste in village chicken layers for egg production and quality.	
7.	Cheah Ying See	GS35674	Effects of water and emulsifier on feed process, feed quality, growth performance, relative organ weight and fat digestibility in broiler chicken.	
8.	Siti Mardhiyah Binti Razali	GS33688	Molecular characterization of mycotoxigenic fungi from palm kernel cake (PKC) and the effects of storage temperatures on aflatoxins production in PKC spiked with <i>Aspergillus flavus</i> .	
9.	Wee Wen Chen	GS37290	Effects of symbiotic dietary supplementation with quorum quenching properties on <i>Macrobracharium rosenbergii</i> juveniles	
10	Norhazirah Bte Abdul Halim	GS 35370	Assessment of selected local plants on feed intake and reproductive performance in female goats.	
11	Sulaiman Muhammad Aliyu	GS 45127	Dietary carbohydrate requirement of lemon fin barb hybrid	
12	Dayang Marshitah Binti Abang Bajury	GS 43140	 Prebiotic properties of red water seaweed (<i>Kappaphycus</i> alvarezii) using in vitro colon model 	
13	Norashikin Bte Jamal	GS 35837	Gastrointestinal nematode infestation in goats and immune response related gene expression to mixed haemonchus and trichostrongylus sp. challenge.	
14	Nur Hafizah Binti Mohammed	GS 45867	The effect of short-term protein supplementation on expression of progesterone receptors in brain and ovarian tissue of goats.	
15	Goh Chong Hau	GS 45089	Effects of feeding palm fat organic acid (OAPF) in the diet of broiler chickens.	

16	Jason Choy Min Sheng	GS 43764	Efficacy of steviol glycoside supplementation in the diet of red tilapia hybrid (<i>Oreochromis</i> sp.)
17	Madihah Binti Abdul Talib	GS 44059	Effects of anti-skid rubber mat on behaviour, stress level and milk yield in local dairy cows
18	Fadzlin Afiqah Binti A. Samad	GS 43764	Effect of <i>Azolla</i> sp. as a feed ingredient on growth performance of the broiler chicken

8.10 EXAMINER OF THESES – MASTER OF SCIENCE (Non-UPM)

No	Name	Univ.	Title of Project
1	Nurul Afiqah Binti Mahadi (2016)	UMK	Nutrient composition and porcine based fat detection in super premium cat foods in Malaysian market.
2.	Habiba Lami Mohammed (2017)	UMK	Assessment of the nutritive value and anthelmintic activity of kenaf (<i>Hibiscus cannabinus</i>) and moringa (<i>Moringa olifera</i>) leaves extracts against <i>Haemonchus contortus</i> in goats
3.	Mira Binti Panadi (2018)	UMK	Effect of medicated and non-medicated urea molases multi-nutrient block supplementation on intake, growth performance, and digestibility of Saanen lactating does raised under conventional diets.
4.	Siti Noor Zalikha binti Razali (2018)	UMK	Effect of varying energy to protein ratio in creep feed & TMR on growth performance of Boer goat
5	Nurulhuda Binti Md. Ozman (2019)	UMK	Evaluation of local feed resources based on total mixed ration (TMR) on nutrient digestibility, milk yield and lambs growth of lactating Dorper sheep.

8.11 EXAMINER OF THESES – PhD (Local Universities)

No	Name	Matric No.	Title of Project	
1	Azad Behnan Sabow	GS34296	Welfare, physiological stress response and carcass or meat quality characteristics in goats subjected to different slaughter methods.	
2	Nazim Rasul Abdulla	GS34297	Growth performance and meat quality of broiler chickens fed diet supplemented with different oil sources.	
3	Mahkameh Lashkarizadeh Bami	GS31431	The performance of crude oil extracted from selected riverine fruits in comparison with palm oil in the diet of Malaysian Mahseer, <i>Tor tambroides</i> .	
4	Jannatara Khatun	GS 38524	Effects of dietary sources of essential fatty acid, amin acid and vitamin E on performance, fat deposition, mea quality and gene expression in broiler chicken.	

5	Muhamad Akhmal Hakim Bin Roslan	GS 34569	Enhancing the nutritive value of palm kernel cake by physical treatments for poultry feed.
6	Ibitoyee E. Busayo	GS 45154	Comparative effect of house cricket (<i>Brachytrupes portentosus</i>) chitin and chitosan on performance and immune response of broiler chickens
7	Mohammadfazel Harighi	GS 32072	Determination of the role of some single nucleotide polymorphisms of SPAG11 gene in semen quality and testicular traits of Boer goats.
8	Wan Nor Fitri Bin Wan Jaafar	GS 44067	Reproduction physiology and seminal plasma proteomics of male <i>Rusa timorensis</i> in Malaysia: Establishing fundamental knowledge.
9	Razlina Binti Raghazli	GS 43963	Physiological stress responses and meat quality of goats subjected to different transportation and lairage duration.

8.12 EXAMINER OF THESES – PhD (International Universities)

No	Name	Title of Project	University
1	Faheem Ahmed Khan	Replacement of protein source in the existing poultry feed with single cell microbial protein	University of Peshawar, Pakistan 2016
2	Rafiullah	Replacement of soybean meal with silkworm meal (<i>Bombyx mori</i>) in poultry ration	The University of Agriculture, Peshawar-Pakistan 2017
3	Muhammad Haroon Baloch	Socio-economic importance and characteristics of camel milk in Sindh	Sindh Agriculture University, Tandojam, Pakistan 2017
4	Muhammad Mushtaq	Study on the effects of indigenous medicinal plants on serum biochemistry, hepato-nephro protection and production performance in layers.	The University of Agriculture, Peshawar-Pakistan 2019
5	Sajid Ur Rehman	Effect of onion (<i>Allium</i> <i>cepa</i> l.,) supplementation on growth performance, enteric health, immunity, hematology, serum biochemistry and meat quality of broilers	The University of Agriculture, Peshawar-Pakistan 2020

8.13 CHAIRMAN OF THESES EXAMINER

No	Name	Matric No.	Title of Project
1	Hazlinda Bte Hasim	GS 37119 (MSc)	Effect of different backfat thickness and oestradiol benzoate doses on reproductive performance of Dorper ewes in Malaysia.

	Nona Nabilah Bte Ahmad	GS 42131	The population genetic structure of Tenualosa macrua
2	Tarmizi	(MSc)	(Longtail shad) and phylogenetic relationship among
			fishes of the family Clupeidae.
3	Candyrine Su Chui Len	GS 37373	Rumen fermentation, fatty acid profiles, meat quality
		(PhD)	and adipogenesis related gene expression of goat and
			sheep fed with high concentrated diet.
4	Leo Teik Kee	GS 41686	Effects of caponisation on growth performance, carcass
		(PhD)	characteristics, meat quality traits and lipid metabolism
			in commercial broiler chicken.
5	Nur Fadzmira Huda Bt	GS 45044	Effect of fat type and emulsifier on performance,
	Mohd Faudzi	(MSc)	nutrient digestibility, egg and meat quality in broiler and
			aged layer hen.
6	Leo Teik Gee	GS 41686	Inhibition of Androgen via caponisation on commercial
		(PhD)	broiler chicken.
7	Umar Mohammed Sani	GS 45016	Analysis of single nucleotide polymorphisms in
		(MSc)	candidate genes for bovine mastitis in association with
		(1130)	milk somatic cell score and composition traits.
8	Tanbir Ahmad	GS 43079	Improving gelatin extraction from hide using plant
Ŭ		(PhD)	enzyme assisted process.
-	Iulia Maralinda Dta		
9	Julie Marzlinda Bte	GS 41783	Effect of different protein level and selenium
	Mohd Razaki	(MSc)	supplementation on reproductive performance and
10		C C 2004 C	semen quality of Dorper ram.
10	Zalikha Bte Mohad	GS 39616	Performance and istihalah period of juvenile red tilapia
	Hoszaini	(MSc)	fed lard and porcine blood meal.
11	Muhammad Nizam Bin	GS 38927	Effects of different temperature and duration during
	Hayat	(MSc)	storage and transportation of physico-chemical
			properties, microbiological quality, sensory
			characteristics and consumer acceptance of broiler
			chicken breast.
12	Jurhamid Columbres	GS 40718	Meat quality attributes and physiological, metabolic, and
	Imlan	(PhD)	electroencephalographic responses to slaughter position
			and knife sharpness in cattle.
13	Amer Ibrahim Ali	GS 43042	Milk production, milk composition and reproductive
		(MSc)	performance of cows in two dairy farms in Malaysia
14	Muhammad Salman bin		Response surface methodology approach for
	Abdul Aziz	GS 44364	optimization of growth and nutrient composition of
		(MSc)	organic kenaf (<i>Hibiscus cannabinus.</i>) Cultivar as fodder
15	Depute A/D Columnia		by liquid bio-fertilizer application
15	Renuh A/P Selvaraju	GS51211	Enhancing bypass-starch in local cassava tuber chip to
		(MSc)	sustain growth in goats.
16	Nor Dini bte Rusli	GS41499	The potential of pretreated oil palm frond in enhancing
		(PhD)	the ruminal degradability, growth performance and
		. ,	meat quality of goats.

8.14 EXAMINER OF THESES – BACHELOR LEVEL

No	Name	Matric No.	Title of Project
1	Mohd Khairul Azwan bin		Effect of different level of inorganic phosphorus on
	Salleh	155353	growth performance and nutritive value of Stylosanthes
			guianensis cv CIAT 184.
2	Nik Muhammad Bin	153413	Comparative study of heat stress between goats and
	Karim	155415	sheep.
			Effect of stunning on the immunoreactivity of 30 kDa
5		troponin-T protein in semitendinosus muscle of beef	
			cattle.
4	Nur Sabrina Binti Mohd	153770	Feeding of medium chain triglyceride (MCT) from palm
	Shariff	133770	oil on growth performance in broiler.
5	Nur Syuhadah Binti	160617	Effects of Averrhoa bilimbi juice marination on oxidative
	Abdul Rahman		stability and microbiological quality of chicken breast
			meat in different display conditions

8.15 EXAMINER OF PROFESSIONAL DEGREE

No	Degree Program	Date
1	External Examiner at the Faculty of Veterinary Medicine, Universiti Malaysia Kelantan for Doctor of Veterinary Medicine degree.	21-27 July 2018

8.16 EXTERNAL ADVISOR FOR CURRICULUM REVIEW - OTHER UNIVERSITY

No	Degree Program	Date
1	Bachelor of Applied Science (Husbandry Science) With Honours, Faculty of Agro-Based Industry (FIAT), Universiti Malaysia Kelantan.	15 June 2020 – 14 June 2022
2	Bachelor Degree of Animal Production and Health, Faculty of Bioresources and Food Industry	22 Nov 2020 – 21 Nov 2022

8.17 INVITED SPEAKER

8.17.1 IN UPM

No	ACTIVITY	ORGANIZER		
1	Invited speaker for Starting School 2011	Co-curriculum and Student		
		Development Centre, UPM		
2	Invited speaker for Starting School 2012	Co-curriculum and Student		
		Development Centre, UPM		
3	Invited speaker for Starting School 2013	Co-curriculum and Student		

		Development Centre, UPM
4	Invited speaker for Graduand Appearance and Communication	Co-curriculum and Student
	Skills Course (Finishing School) 2012	Development Centre, UPM
5	Invited speaker for Graduand Appearance and Communication	Co-curriculum and Student
	Skills Course (Finishing School) 2013	Development Centre, UPM
6	Invited speaker for Graduand Appearance and Communication	Co-curriculum and Student
	Skills Course (Finishing School) 2014	Development Centre, UPM
7	Speaker for Problem Based Learning workshop 2017	Faculty of Agriculture, UPM
8	Scholarly Journal Writing Workshop 2019	Universitas Muhammadiyah,
		Indonesia.

8.17.2 OUTSIDE UPM

NO	ACTIVITY	ROLE
1	Goat Management Basic Course Series II in Mukim Batu Talam, Raub, Pahang	Speaker
	organized by UCTC, UPM on 20 th Dec 2012	
2	Lifelong Learning Carnival at My3L Northern Zone on 14 th to 15 th Sept 2013 at	Speaker
	Seberang Prai Polytechnic, Pulau Pinang	
3	AGROBANK Basic Agricultural Commodities Program organized by UCTC, UPM	Speaker
	and AGROBANK on 7 th Nov 2014	
4	Rabbit and Turkey Nutrition and Management Course at MJ Fatonah, Kuala	Speaker
	Selangor organized by Dept. of Veterinary Services, Pulau Pinang 2014	
5	Basic Animal Nutrition & Feed Formulation at MJ Fatonah, Kuala Selangor	Speaker
	organized by Dept. of Veterinary Services, Pulau Pinang 2014	
6	Putra Technology Transfer Program @ My Kampung My Future at Kuala	Speaker
	Nerang, Kedah 8-9 May 2014 organized by PKPP, UPM	
7	Artificial Insemination Technology in Ruminant Course on 27 th April 2015	Speaker
	organized by Department of Veterinary Services, MOA, Negeri Sembilan	
8	Reproductive Management in Ruminant Livestock Course on 21 st May 2015	Speaker
	organized by Department of Veterinary Services, MOA, Selangor	
9	AGROBANK Agriculture Exposure on Crops, Livestock and Fisheries (APEX 1)	Speaker
	Series 1 organized by UCTC, UPM and AGROBANK on 22 nd June 2015	
10	Artificial Insemination in Cattle Course on 18 th August 2015 organized by	Speaker
	National Institute of Veterinary Biodiversity, Department of Veterinary	
	Services, MOA,	
11	Artificial Insemination in Goats Course on 20 th October 2015 organized by	Speaker
	National Institute of Veterinary Biodiversity, Department of Veterinary	
	Services, MOA,	
12	AGROBANK Agriculture Exposure on Crops, Livestock and Fisheries	Speaker
	Organized by Faculty of Agriculture, UPM and AGROBANK on 18-20th Aug	
	2017	

8.17.3 IN CONFERENCES / SEMINARS / WORKSHOPS

NO	ACTIVITY	ROLE
1	The International Camel Conference. 19 th – 21 st December 2013, Bahawalpur,	INVITED
	Pakistan	SPEAKER
2	The 3 rd International Seminar on Animal Industry 2015. 17 th – 18 th September	INVITED
	2015, Bogor, Indonesia	SPEAKER
3	Symposium on Sustainability of Animal Production in ASEAN Countries with	INVITED
	specific Case in Indonesia and Malaysia, 24 th February 2016.	SPEAKER

8.18 ACADEMIC ADVISOR

No.	Student No.	Name	Level
1	167765	NURUL ASYIKIN BINTI YAZED	SENIOR
2	167814	NOR AINZAH BINTI FESHAL	SENIOR
3	169223	MUHAMMAD SYUKUR BIN NORAZMAN	SENIOR
4	169450	NORMALIHAH BINTI MOHD NASSRULLAH	SENIOR
5	169808	AHSANUDDIN SHAH BIN SUHAIMI	SENIOR
6	169949	AHMAT SHAREZZA BIN AHMAT JA'AFFAR	SENIOR
7	170184	AIN SHAFINAZ BINTI SOLEH	SENIOR
8	170227	NURHAMIZAH BINTI ISMAIL	SENIOR
9	170455	NORAFIQAH BINTI RASSID	SENIOR
10	170461	NURUL FAZLIANA BINTI ABDUL GHANI	SENIOR
11	170554	ATHIRA AMANINA BINTI OTHMAN	SENIOR
12	176447	DYGKU NAZIHAH BINTI AWANGKU ZA'BA	SOPHOMORE
13	180203	HANIFAIQAH AINAA BINTI HASSIM	SOPHOMORE
14	180222	PHEN SYOM A/P A HING	SOPHOMORE
15	180592	TEE WEI WEI	SOPHOMORE
16	180581	MUHAMMAD TAUFIQ HAFIZAN BIN ZAMRI	FRESHMAN
17	181832	ANIS FAHANA NURMAISARAH BINTI BASRI	FRESHMAN
18	181890	AHMAD SUHAIL BIN RODZUAN	FRESHMAN
19	181999	ALYAA SYAFIQAH BINTI MOHAMAD	FRESHMAN
20	182276	AIN KHADIJAH BINTI YOB SA'ED	FRESHMAN
21	182302	FARIS HAKIM BIN MOHD A'SERI	FRESHMAN

9.0 INTERNATIONAL STANDING

9.1 TEACHING EXPERIENCES

No.	Course code	Course Title	Credit Hours	Program/University	Year
1	-	Basic Animal Nutrition	1 month (80	International Bachelor's Certificate,	Nov,
			hours of	Ecole d'Ingénieurs de PURPAN,	2017
			face-to-face)	Toulouse, France.	

9.2 INTERNATIONAL CONFERENCES

NO	CONFERENCE	DATE	POST
1	The International Camel Conference. Bahawalpur, Pakistan.	19-21 Dec	Invited speaker
	Organized by The Islamia University of Bahawalpur,	2013	
	Pakistan.		
2	The 3 rd International Seminar on Animal Industry 2015,	17– 18 Sept	Invited speaker
	Bogor, Indonesia. Organized by Bogor Agricultural	2015	
	University, Indonesia.		
3	International Seminar on Livestock Production and	10 ^h August	Invited speaker
	Veterinary Technology, Bali Indonesia. Organized by	2016	
	Indonesian Center for Animal Research Development.		

9.3 EXAMINER OF THESES – PhD (International Universities)

No	Name	Title of Project	University	Year Evaluated
1	Faheem Ahmed Khan	Replacement of protein source in the existing poultry feed with single cell microbial protein	University of Peshawar, Pakistan	2017
2	Rafiullah	Replacement of soybean meal with silkworm meal (<i>Bombyx mori</i>) in poultry ration	The University of Agriculture, Peshawar-Pakistan	2017
3	Muhammad Haroon Baloch	Socio-economic importance and characteristics of camel milk in Sindh	Sindh Agriculture University, Tandojam, Pakistan	2018

9.4 EXPERT MEMBER IN RESEARCH SPECIALIZATION / AREA

NO	POSITION	TENURESHIP
1	International Farm Comparison Network (IFCN) Dairy Country Profile	2019-2020
	Partner based in Kiel, Germany – Country report representative	

9.5 EDITORAL BOARD MEMBER OF INTERNATIONAL JOURNAL

NO	POSITION	TENURESHIP
1	International Journal of Zoology and Animal Biology	2018-2020
2	Tropical Animal Science Journal	2018-2021
3	BMC Veterinary Research	2020-2022

4	Frontiers in Animal Science	2020-2022
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9.6 REVIEWER OF INTERNATIONAL JOURNAL

No	JOURNAL	PUBLISHER	YEAR
1	Livestock Science	Elsevier	2014,2019
2	Biochemistry and Biotechnology Research	Netjournal	2014
3	Applied and Environmental Microbiology	American Society for Microbiology	2014
4	Ciencia e Investigación Agraria	School of Agriculture and Forest	2015, 2016
		Engineering of the Pontifical	
		Catholic University of Chile,	
		Santiago, Chile.	
5	Revista Brasileira de Zootecnia	The Sociedade Brasileira de	2015
		Zootecnia	
6	Media Peternakan	Bogor Agriculture University,	2015,
		Indonesia	2016, 2017
7	British Biotechnology Journal	SCIENCEDOMAIN International	2016
8	Journal in Advances in Biology and	SCIENCEDOMAIN International	2016
	Biotechnology		
9	British Microbiology Research Journal	SCIENCEDOMAIN International	2016
10	Khon Khaen University Research Journal	Khon Khaen University	2016
11	Archives of Microbiology	Springer	2016
12	Journal of Animal Physiology and Animal	Wiley	2018
	Nutrition		
13	Jurnal Ilmu-Ilmu Peternakan	Universitas Brawijaya, Indonesia	2018
14	PLOS One	The Public Library of Science, USA	2018

9.7 CO-SUPERVISING PhD STUDENTS – INTERNATIONAL UNIVERSITY

No	Name	Matric No.	Year/Status	Title of Project	University
1	Pristian	D261150021	2016-	Saponins extraction from plant	Bogor Agriculture
	Yuliana		Present	and use as additive in the	University,
				materials of high protein silage.	Indonesia.
2	Nurhazwani	17H8208	2018-	Utilization of selected locally	
	Abdullah		Present	available medicinal plants as feed	University Brunei
				supplements to enhance	Darussalam,
				metabolic activity of small	Brunei.
				ruminants through reduction of	
				intestinal parasites.	

9.8 CO-SUPERVISING MASTER STUDENTS- INTERNATIONAL UNIVERSITY

No	Name	Matric No.	Year Started	Title of Project	University
1	Theo	D251130211	2014-2015	The evaluation of condensed and	Bogor Agriculture
	Mahiseta		(Graduated)	hydrolysable tannin proportion to	University,
	Syahniar			reduce ruminant methane emission	Indonesia
				by <i>in vitro</i> .	
2	Amalia	GS50731NG	2016-2018	Glucose and starch content in	Bogor Agriculture
	Ikhwanti		(Graduated)	tropical legume and its relationship	University,
				with nutrient utilization in vitro	Indonesia
3	Neviyani	D251160111	2016-2018	Glucose and starch content in	Bogor Agriculture
	Asikin		(Graduated)	tropical pasture and its relationship with nutrient utilization <i>in vitro</i>	University, Indonesia

9.9 INTERNATIONAL RESEARCH GRANT FROM INDUSTRY/ AGENCY

No	Name of the company	Year Started	Title of Project	Cost (RM)
1	KEMIN INDUSTRIES (ASIA) PTE LTD (based in Singapore and Australia)	2019	In vitro assay of ten forages pretreated with forazyme	8162.00
2	KEMIN INDUSTRIES (ASIA) PTE LTD (based in Singapore and Australia)	2019	Effect of fibre digesting enzyme on the digestibility of poor quality forage and lactation performance of multiparous Holstein- Friesian dairy cows	56,900.80

10.0 COMMUNITY AND INDUSTRY LINKAGES PROJECTS

10.1 PROJECTS INVOLVEMENT AS PROJECT LEADER

NO	Program	CATEGORY PROJECT	DATE
1	Development of Mukim Batu Talam as herbal, village	KTP Project Grant	31/03/2016 -
	chicken and local fruits production hub.		31/03/2018
2	Program Cabaran Integrasi Keusahawanan Ekonomi	Community Project	18/07/2016 -
	Wanita (Ikekwa)		19/10/2016
3	Market Uctc Hewm 2016	Community Program	01/08/2016 -
			01/09/2016
4	Program Jelajah Forum & Ekspo Mampan	Community Project	20/02/2016 -
			31/12/2016
5	Trading Challenge 2015 (Tradec '15)	Community Project	07/11/2015 -
			29/01/2016
6	Community transformation of ruminant farmers	NBOS Project Grant	16/03/2016 -
			16/08/2016
7	Urban Agriculture Community Program at U3A Bandar	Community Project	18/04/2016 -
	Utama		31/12/2016
8	Putra Extension Bus Program at MOSTI Social Innovation:	Community Project	10/05/2016 -
	Science Carnival, Jerlun, Kedah.		10/05/2016
9	Urban Agriculture Communities Sustainable	Community Project	14/05/2016 -
	Transformation Program at Pasir Gudang, Johor		31/12/2016
10	Empowering Branding Strategies - Do & Dont's	Community Project	13/05/2016 -
			09/06/2016
11	SME Entrepreneur Advice Services at Mini RTC, Pajam	Community Project	30/05/2016 -
10			30/12/2016
12	Putra Extension Bus Exhibition at Taman Pinggiran Putra,	Community Project	21/05/2016 -
40	Selangor		21/05/2016
13	Putra Extension Bus Exhibition at SMK Jenjarom, Kuala	Community Project	28/04/2016 -
1.4	Langat, Selangor Putra Extension Bus Exhibition at Politeknik Sultan Idris	Community Droject	28/04/2016
14	Shah	Community Project	27/07/2016 - 27/07/2016
15	Putra Extension Bus Exhibition at KRT Serdang	Community Project	24/07/2016 -
13	Futia Extension bus Exhibition at KKT Seruang	Community Project	24/07/2016
16	Putra Extension Bus Exhibition in Conjunction with the	Community Project	16/08/2016 -
10	Halal Awareness Program at Kolej Vokasional Shah Alam	community rioject	16/08/2016
17	Putra Extension Bus Exhibition at Kampung Pasir Gajah,	Community Project	23/09/2016 -
17	Cukai, Kemamam	community rioject	25/09/2016
18	Trading Challenge 2016 (Tradec'16)	Community Project	18/07/2016 -
			19/09/2016
19	Putra Extension Bus Exhibition in Conjunction with the	Community Project	16/11/2016 -
-	Children's Day at Sekolah Kebangsaan Serdang 2016		16/11/2016
20	Entrepreneur and Education Carnival at Kampung Kuala	Community Project	15/10/2016 -
	Pajam, Beranang	, , ,	15/10/2016
21	Program Go Green PDRM	Community Project	12/02/2018 -
	-		28/02/2020
22	Knowledge Sharing Program with National Professor	Community Project	28/03/2018 -
	Council at Segamat, Johor.		30/03/2018

23	Urban Agriculture Courses for LA21 Partnership	Community Project	07/04/2018 -
	members.		21/04/2018
24	Knowledge Sharing Program with National Professor	Community Project	16/04/2018 -
	Council at Kelantan		17/04/2018
25	Aquaculture and Agriculture project at Cocos Island,	Community Project	3/12/2018
	Australia		

11.0 AWARDS AND RECOGNITIONS

11.1 RECIPIENTS OF AWARDS / RECOGNITIONS

NO	AWARD / RECOGNITION	YEAR	ORGANIZATION
1	School of Animal Studies Research Travel Grant Award,	2010	University of Queensland,
	2010.		School of Animal Studies
2	Silver medal for Invention at Invention, Research and	2012	UPM
	Innovation Exhibition (PRPI)		
3	Young Scientist Award, 2012 in 33 rd Malaysian Society of	2012	Malaysian Society of
	Animal Production Annual Conference, Langkawi, Kedah.		Animal Production
4	Outstanding Teaching Award 2013, Faculty of Agriculture	2013	CADe, UPM
5	Outstanding Service Award	2013	UPM
6	Outstanding Service Award	2014	UPM
7	Outstanding Service Award	2015	UPM
8	Outstanding Service Award	2016	UPM
9	Outstanding Service Award	2017	UPM
10	Outstanding Service Award	2018	UPM
11	Outstanding Service Award	2019	UPM

12.0 CO-CURRICULAR ACTIVITIES

12.1 MEMBERSHIP IN OUTSIDE AGENCY

NO	SOCIETY/ORGANIZATION	POSITION	YEAR
1	Malaysian Society of Animal Production	President	2020-2022
2	PKPS Livestock Farm Sdn. Bhd., a subsidiary company of	Board of	2017-2019
	Selangor Agricultural Development Corporation	Director	
3	Malaysian Society of Animal Production (MSAP)	Secretary	2016-2018
	Committee		
4	Malaysian Society of Animal Production (MSAP)	-	Life member
5	Malaysian Journal of Animal Science	Assoc. Editor	2014-June 2020
6	National Committee of Animal Feed Specifications and	Alternate	2014-2016
	Standards, Dept. of Veterinary Services.	members	
7	Association of Academics Staff UPM	Member	2013-present
8	Malaysian Society of Animal Production (MSAP)	Auditor	2012-2014
	Committee		
9	Veterinary Association of Malaysia (VAM)	Member	2006-present
10	University of Veterinary Alumni, Fac. of Veterinary	Member	2006-present
	Medicine, UPM		

13.0 ACADEMIC REFEREES

- ASSOC. PROF. DR. NUR AZURA ADAM Dean Faculty of Agriculture, Universiti Putra Malaysia 43400 UPM Serdang, Selangor Darul Ehsan
- PROFESSOR DATUK DR. MOHD NASIR SHAMSUDIN (Ex-DVC Academic UPM) Faculty of Agriculture, Universiti Putra Malaysia 43400 UPM Serdang, Selangor Darul Ehsan
- PROFESSOR DATO' DR. ABDUL SHUKOR JURAIMI (Ex-Dean)
 Faculty of Agriculture, Universiti Putra Malaysia
 43400 UPM Serdang, Selangor Darul Ehsan
- PROFESSOR DR. LOH TECK CHWEN Department of Animal Science, Faculty of Agriculture, Universiti Putra Malaysia 43400 UPM Serdang, Selangor Darul Ehsan