

# Anuraga Jayanegara

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86  
papers

1,252  
citations

18  
h-index

33  
g-index

107  
ext. papers

1,642  
ext. citations

1.9  
avg, IF

4.9  
L-index

#	Paper	IF	Citations
86	Nutrient digestibility, fecal output of fractionated proteins, and ruminal fermentation parameters of goats fed a diet supplemented with spent green tea and black tea leaf silage.. <i>Animal Science Journal</i> , <b>2022</b> , 93, e13681	1.8	1
85	Meta-analysis of dietary chitosan effects on performance, nutrient utilization, and product characteristics of ruminants.. <i>Animal Science Journal</i> , <b>2022</b> , 93, e13676	1.8	0
84	Antimicrobial Activity of Propolis Extract and Their Application as a Natural Preservative in Livestock Products: A Meta-Analysis.. <i>Food Science of Animal Resources</i> , <b>2022</b> , 42, 280-294	3.2	3
83	Effects of urea supplementation on ruminal fermentation characteristics, nutrient intake, digestibility, and performance in sheep: A meta-analysis.. <i>Veterinary World</i> , <b>2022</b> , 15, 331-340	1.7	0
82	Effect of vitamin E supplementation on chicken sperm quality: A meta-analysis.. <i>Veterinary World</i> , <b>2022</b> , 15, 419-426	1.7	0
81	Effects of various organic substrates on growth performance and nutrient composition of black soldier fly larvae: A meta-analysis. <i>Bioresource Technology Reports</i> , <b>2022</b> , 101061	4.1	0
80	The effects of dietary medium-chain fatty acids on ruminal methanogenesis and fermentation in vitro and in vivo: A meta-analysis. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2021</b> , 105, 874-889	2.6	7
79	The Utilisation of Tannin Extract as a Dietary Additive in Ruminant Nutrition: A Meta-Analysis. <i>Animals</i> , <b>2021</b> , 11,	3.1	3
78	Effects of dietary flavonoids on performance, blood constituents, carcass composition and small intestinal morphology of broilers: a meta-analysis. <i>Animal Bioscience</i> , <b>2021</b> , 34, 434-442	0	6
77	The effects of lactic acid bacteria and yeasts as probiotics on the growth performance, relative organ weight, blood parameters, and immune responses of broiler: A meta-analysis. <i>F1000Research</i> , <b>2021</b> , 10, 183	3.6	3
76	The effects of probiotics on the performance, egg quality and blood parameters of laying hens: A meta-analysis. <i>Journal of Animal and Feed Sciences</i> , <b>2021</b> , 30, 11-18	1.5	9
75	The effect of different types of selenium injection on the immunity, villi surface area, and growth performance of local chickens. <i>Veterinary World</i> , <b>2021</b> , 14, 1109-1115	1.7	1
74	Antimicrobial peptides as an additive in broiler chicken nutrition: a meta-analysis of bird performance, nutrient digestibility and serum metabolites. <i>Journal of Animal and Feed Sciences</i> , <b>2021</b> ,	1.5	1
73	In sacco nutrient degradability of silage containing intact and defatted black soldier fly ( <i>Hermetia illucens</i> ) larvae. <i>Journal of the Indonesian Tropical Animal Agriculture</i> , <b>2021</b> , 46, 227-235	0.5	
72	Effect of dietary tannins on the performance, lymphoid organ weight, and amino acid ileal digestibility of broiler chickens: A meta-analysis. <i>Veterinary World</i> , <b>2021</b> , 14, 1405-1411	1.7	1
71	Effects of different lactic acid bacteria groups and fibrolytic enzymes as additives on silage quality: A meta-analysis. <i>Bioresource Technology Reports</i> , <b>2021</b> , 14, 100654	4.1	6
70	The effect of anti-microbial peptide on the performance, survival rate, and diarrhea ratio the pig: A meta-analysis. <i>Journal of the Indonesian Tropical Animal Agriculture</i> , <b>2021</b> , 46, 270-281	0.5	

69	Glycerine as a feed supplement for beef and dairy cattle: A meta-analysis on performance, rumen fermentation, blood metabolites and product characteristics. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2021</b> , 105, 419-430	2.6	
68	Evaluation of Various Starchy Foods: A Systematic Review and Meta-Analysis on Chemical Properties Affecting the Glycemic Index Values Based on In Vitro and In Vivo Experiments. <i>Foods</i> , <b>2021</b> , 10,	4.9	11
67	Essential oils as growth-promoting additives on performance, nutrient digestibility, cecal microbes, and serum metabolites of broiler chickens: a meta-analysis. <i>Animal Bioscience</i> , <b>2021</b> , 34, 1499-1513	0	10
66	Validation of a phenol-sulfuric acid method in a microplate format for the quantification of soluble sugars in ruminant feeds. <i>Animal Science Journal</i> , <b>2021</b> , 92, e13530	1.8	3
65	Opportunities Offered by Plant Bioactive Compounds to Improve Silage Quality, Animal Health and Product Quality for Sustainable Ruminant Production: A Review. <i>Agronomy</i> , <b>2021</b> , 11, 86	3.6	6
64	In vitro ruminal biohydrogenation of C18 fatty acids in mixtures of <i>Indigofera zollingeriana</i> and <i>Brachiaria decumbens</i> . <i>Journal of the Indonesian Tropical Animal Agriculture</i> , <b>2020</b> , 45, 124-135	0.5	1
63	Ensiling of total mixed ration containing persimmon peel: Evaluation of chemical composition and in vitro rumen fermentation profiles. <i>Animal Science Journal</i> , <b>2020</b> , 91, e13403	1.8	5
62	Derivatization of Chitin and Chitosan from Black Soldier Fly ( <i>Hermetia illucens</i> ) and Their Use as Feed Additives: An In vitro Study. <i>Advances in Animal and Veterinary Sciences</i> , <b>2020</b> , 8,	2.8	7
61	Evaluation of ensiled soy sauce by-product combined with several additives as an animal feed. <i>Veterinary World</i> , <b>2020</b> , 13, 940-946	1.7	1
60	In vitro biological control of <i>Ceratobasidium ramicola</i> by using tannin extracts from <i>Acacia villosa</i> , <i>Myristica fragrans</i> , <i>Acacia mangium</i> , and <i>Calliandra calothyrsus</i> leaves. <i>Brazilian Journal of Biology</i> , <b>2020</b> , 80, 235-239	1.5	3
59	Fatty acid profiles of some insect oils and their effects on in vitro bovine rumen fermentation and methanogenesis. <i>Italian Journal of Animal Science</i> , <b>2020</b> , 19, 1310-1317	2.2	8
58	Combination Effects of Plant Extracts Rich in Tannins and Saponins as Feed Additives for Mitigating in Vitro Ruminal Methane and Ammonia Formation. <i>Animals</i> , <b>2020</b> , 10,	3.1	12
57	Antibacterial Activity and Phytochemical Content of Silage Juice from Tropical Herbal Leaves. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 546, 042032	0.4	0
56	Evaluation of chitin and chitosan from insect as feed additives to mitigate ruminal methane emission <b>2019</b> ,		4
55	Chemical composition, chitin and cell wall nitrogen content of Black Soldier Fly ( <i>Hermetia illucens</i> ) larvae after physical and biological treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 546, 042028	0.4	7
54	Optimization of the <i>Hermetia illucens</i> Larvae Extraction Process with Response Surface Modelling and Its Amino Acid Profile and Antibacterial Activity. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 546, 062030	0.4	3
53	Estimation and validation of total digestible nutrient values of forage and concentrate feedstuffs. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 546, 042016	0.4	4
52	Fourier Transform Mid-Infrared (FTIR) Spectroscopy to Identify Tannin Compounds in The Panicle of Sorghum Mutant Lines. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 546, 042045	0.4	19

51	Evaluation of Ration Based on Soy Sauce By-Product on Addition of Acacia and Chestnut Tannin: An In Vitro Study. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 546, 022020	0.4	1
50	Comparison of nutritive value between intact and defatted black soldier fly larvae for animal feed. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 546, 042024	0.4	
49	Chemical compositions, contaminants, and residues of organic and conventional goat milk in Bogor District, Indonesia. <i>Veterinary World</i> , <b>2019</b> , 12, 1218-1224	1.7	2
48	Reduction of proteolysis of high protein silage from Moringa and Indigofera leaves by addition of tannin extract. <i>Veterinary World</i> , <b>2019</b> , 12, 211-217	1.7	3
47	Performance, Physiological Status, and Rumen Fermentation Profiles of Pre- and Post-Weaning Goat Kids Fed Cricket Meal as a Protein Source. <i>Tropical Animal Science Journal</i> , <b>2019</b> , 42, 145-151	1.5	4
46	Effect of zinc addition on the immune response and production performance of broilers: a meta-analysis. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2019</b> , 465-479	2.4	13
45	Silage quality as influenced by concentration and type of tannins present in the material ensiled: A meta-analysis. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2019</b> , 103, 456-465	2.6	23
44	Effects of lipid extraction on nutritive composition of winged bean (), rubber seed (), and tropical almond (). <i>Veterinary World</i> , <b>2018</b> , 11, 446-451	1.7	3
43	Use of 3-nitrooxypropanol as feed additive for mitigating enteric methane emissions from ruminants: a meta-analysis. <i>Italian Journal of Animal Science</i> , <b>2018</b> , 17, 650-656	2.2	66
42	Increasing the Quality of Agricultural and Plantation Residues using Combination of Fiber Cracking Technology and Urea for Ruminant Feeds. <i>Tropical Animal Science Journal</i> , <b>2018</b> , 41, 137-146	1.5	2
41	Use of Fiber Cracking Technology to Improve the Nutritive Quality of Corn and Sugarcane By-products for Ruminant Feeds. <i>Pakistan Journal of Nutrition</i> , <b>2018</b> , 17, 568-577	0.3	
40	Chemical composition and methane emission of some tropical forage legumes from Indonesia <b>2018</b>		1
39	Evaluation of oil palm fronds using fiber cracking technology combined with Indigofera sp. in ruminant ration by Rusitec <b>2018</b> ,		3
38	Nutritive evaluation of spent green and black tea leaf silages by in vitro gas production characteristics, ruminal degradability and post-ruminal digestibility assessed with inhibitory activity of their tannins. <i>Animal Science Journal</i> , <b>2018</b> , 89, 1656-1662	1.8	8
37	Effects of glycerol and chestnut tannin addition in cassava leaves ( <i>Manihot esculenta</i> Crantz) on silage quality and in vitro rumen fermentation profiles. <i>Journal of Applied Animal Research</i> , <b>2018</b> , 46, 1207-1213	1.7	4
36	In vitro gas production kinetics and digestibility of king grass ( <i>Pennisetum hybrid</i> ) added by organic mineral and natural crude tannin. <i>Journal of Applied Animal Research</i> , <b>2017</b> , 45, 122-125	1.7	5
35	Excretion of faecal, urinary urea and urinary non-urea nitrogen by four ruminant species as influenced by dietary nitrogen intake: A meta-analysis. <i>Livestock Science</i> , <b>2017</b> , 198, 82-88	1.7	11
34	Evaluation of some insects as potential feed ingredients for ruminants: chemical composition, in vitro rumen fermentation and methane emissions. <i>Journal of the Indonesian Tropical Animal Agriculture</i> , <b>2017</b> , 42, 247	0.5	18

33	Use of black soldier fly larvae () to substitute soybean meal in ruminant diet: An rumen fermentation study. <i>Veterinary World</i> , <b>2017</b> , 10, 1439-1446	1.7	16
32	IMPROVING PHYSICO-CHEMICAL CHARACTERISTIC AND PALATABILITY OF KING GRASS (Pennisetum hybrid) SILAGE BY INOCULATION OF <i>Lactobacillus plantarum</i> - <i>Saccharomyces cerevisiae</i> CONSORTIA AND ADDITION OF RICE BRAN. <i>Buletin Peternakan</i> , <b>2017</b> , 41, 61	0.8	2
31	Lowering Chitin Content of Cricket ( <i>Gryllus assimilis</i> ) Through Exoskeleton Removal and Chemical Extraction and its Utilization as a Ruminant Feed in vitro. <i>Pakistan Journal of Biological Sciences</i> , <b>2017</b> , 20, 523-529	0.8	5
30	Determination of Energy and Protein Requirements of Sheep in Indonesia using a Meta-analytical Approach. <i>Media Peternakan</i> , <b>2017</b> , 40, 118-127		5
29	Changes in nutrient composition and in vitro ruminal fermentation of total mixed ration silage stored at different temperatures and periods. <i>Journal of the Science of Food and Agriculture</i> , <b>2016</b> , 96, 1175-80	4.3	16
28	Effect of Garlic Extract and Organic Mineral Supplementation on Feed Intake, Digestibility and Milk Yield of Lactating Dairy Cows. <i>Asian Journal of Animal Sciences</i> , <b>2016</b> , 10, 213-218	0.2	3
27	Nutritional Evaluation of Dairy Goat Rations Containing <i>Indigofera zollingeriana</i> by Using in vitro Rumen Fermentation Technique (RUSITEC). <i>International Journal of Dairy Science</i> , <b>2016</b> , 11, 100-105	0.7	10
26	Determination of Cell Wall Protein from Selected Feedstuffs and its Relationship with Ruminal Protein Digestibility in Vitro. <i>Media Peternakan</i> , <b>2016</b> , 39, 134-140		15
25	Glycerol as an Energy Source for Ruminants: A Meta-Analysis of in Vitro Experiments. <i>Media Peternakan</i> , <b>2016</b> , 39, 189-194		5
24	Nutrient Content, Protein Fractionation, and Utilization of Some Beans as Potential Alternatives to Soybean for Ruminant Feeding. <i>Media Peternakan</i> , <b>2016</b> , 39, 195-202		7
23	Effects of Different Feeding Methods on Feeding Behavior, Feed Intake and Digestibility of Lactating Dairy Cows. <i>International Journal of Dairy Science</i> , <b>2016</b> , 12, 73-80	0.7	
22	The use of cassava leaf silage as a substitute for concentrate feed in sheep. <i>Tropical Animal Health and Production</i> , <b>2016</b> , 48, 1509-12	1.7	6
21	Addition of Purified Tannin Sources and Polyethylene Glycol Treatment on Methane Emission and Rumen Fermentation in Vitro. <i>Media Peternakan</i> , <b>2015</b> , 38, 57-63		6
20	Divergence between purified hydrolysable and condensed tannin effects on methane emission, rumen fermentation and microbial population in vitro. <i>Animal Feed Science and Technology</i> , <b>2015</b> , 209, 60-68	3	96
19	Improving Nutritional Quality of Cocoa Pod ( <i>Theobroma cacao</i> ) through Chemical and Biological Treatments for Ruminant Feeding: In vitro and In vivo Evaluation. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2015</b> , 28, 343-50	2.4	30
18	Variation of Tannin Contents in Selected Agro-Industrial By-products and their Biological Activity in Precipitating Protein. <i>Advances in Animal and Veterinary Sciences</i> , <b>2015</b> , 4, 66-70	2.8	5
17	Voluntary feed intake and digestibility of four domestic ruminant species as influenced by dietary constituents: A meta-analysis. <i>Livestock Science</i> , <b>2014</b> , 162, 76-85	1.7	57
16	Meta-analysis on Methane Mitigating Properties of Saponin-rich Sources in the Rumen: Influence of Addition Levels and Plant Sources. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2014</b> , 27, 1426-35	2.4	57

15	Fermentation Characteristics, Tannin Contents and In vitro Ruminal Degradation of Green Tea and Black Tea By-products Ensiled at Different Temperatures. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2014</b> , 27, 937-45	2.4	17
14	Assessment of Anti-nutritive Activity of Tannins in Tea By-products Based on In vitro Rumen Fermentation. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2014</b> , 27, 1571-6	2.4	23
13	Digestibility and Methane Emission of Ration Based on Oil Palm By Products Supplemented with Probiotics and Banana Stem: An In vitro Study. <i>Pakistan Journal of Nutrition</i> , <b>2014</b> , 14, 37-43	0.3	1
12	In vitro indications for favourable non-additive effects on ruminal methane mitigation between high-phenolic and high-quality forages. <i>British Journal of Nutrition</i> , <b>2013</b> , 109, 615-22	3.6	23
11	Ruminal disappearance of polyunsaturated fatty acids and appearance of biohydrogenation products when incubating linseed oil with alpine forage plant species in vitro. <i>Livestock Science</i> , <b>2012</b> , 147, 104-112	1.7	35
10	Meta-analysis of the relationship between dietary tannin level and methane formation in ruminants from in vivo and in vitro experiments. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2012</b> , 96, 365-75	2.6	165
9	Comparison of nutritional quality between conventional and organic dairy products: a meta-analysis. <i>Journal of the Science of Food and Agriculture</i> , <b>2012</b> , 92, 2774-81	4.3	88
8	Dependence of forage quality and methanogenic potential of tropical plants on their phenolic fractions as determined by principal component analysis. <i>Animal Feed Science and Technology</i> , <b>2011</b> , 163, 231-243	3	79
7	Nutrient and energy content, in vitro ruminal fermentation characteristics and methanogenic potential of alpine forage plant species during early summer. <i>Journal of the Science of Food and Agriculture</i> , <b>2011</b> , 91, 1863-70	4.3	28
6	Significance of phenolic compounds in tropical forages for the ruminal bypass of polyunsaturated fatty acids and the appearance of biohydrogenation intermediates as examined in vitro. <i>Animal Production Science</i> , <b>2011</b> , 51, 1127	1.4	40
5	Condensed Tannin Effects on Nitrogen Digestion in Ruminants: A Meta-analysis from in Vitro and in Vivo Studies. <i>Media Peternakan</i> , <b>2010</b> , 33, 176-181		18
4	Tannins determined by various methods as predictors of methane production reduction potential of plants by an in vitro rumen fermentation system. <i>Animal Feed Science and Technology</i> , <b>2009</b> , 150, 230-237	3.2	66
3	The effects of lactic acid bacteria and yeasts as probiotics on the growth performance, relative organ weight, blood parameters, and immune responses of broiler: A meta-analysis. <i>F1000Research</i> , <b>2010</b> , 10, 183	3.6	2
2	The effect of annealing on resistant starch content of different crop types: a systematic review and meta-analysis study. <i>International Journal of Food Science and Technology</i> , <b>2010</b> , 45, 100-105	3.8	3
1	Effect of heat moisture treatment on resistant starch content among carbohydrate sources: a meta-analysis. <i>International Journal of Food Science and Technology</i> , <b>2010</b> , 45, 100-105	3.8	4