ACKNOWLEDGEMENT

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Tropical Animal Science Journal
(Revised Edition 2025)

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1. Manuscripts must be original, have not been published previously in any scientific journal, that manuscripts are not being submitted for publication elsewhere, and will not be submitted to any media during the review process, unless the authors have officially withdrawn the manuscripts from Tropical Animal Science Journal. Tropical Animal Science Journal uses a similarity check program to prevent any suspected plagiarism in the manuscripts.
2. Each author with an initial (e.g. KGW for Komang Gede Wiryawan) should indicate his/her specific contribution to the manuscript. There are several categories, i.e concept and design of the study, acquisition of data, analysis of data, interpretation of data, drafting the manuscript, critical review/revision, and others. The statement must be declared in the author statement form (Form A).
3. Tropical Animal Science Journal accepts equal contribution for the first author. TASJ also allows multiple corresponding authorship for one article. Only one author should correspond with the editorial office for one article.
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5. Manuscripts submitted are research topics that have no conflict with bioethical research.
6. Manuscripts encompass a broad range of research topics in tropical animal sciences: breeding and genetics, reproduction and physiology, nutrition, feed sciences, agrostology, animal products, biotechnology, behaviour, welfare, health and veterinary, livestock farming system, integrated farming system, socio-economic, and policy.
7. Starting in 2025, TASJ will be published SIX TIMES a year: in January, March, May, July, September, and November.
8. **The manuscripts, Form A, and ethical approval letter** should be submitted electronically through an online system: https://journal.ipb.ac.id/index.php/tasj

MANUSCRIPT FILE

1. Manuscripts are written in English and use standard scientific usage. Authors whose first language is not English should consult the manuscript with an English editing service before submitting it to Tropical Animal Science Journal.
2. Manuscripts should be prepared in Microsoft Word format, except for Graphs using Microsoft Excel program and Figures using JPEG or PDF format.
3. Manuscripts should be typed using Times New Roman fonts at 12 points.
4. Manuscripts should be typed double spaced except for Title, Tables, Title of Graphs/Figures, and appendix typed single spaced. Manuscripts are prepared in A4 paper, margins on all four sides are 3 cm, and total number of pages is 12-20.
5. Tables, Graphs, and Figures should be placed after the References of the manuscript.
6. Use page numbers and line numbers.
7. Manuscripts content should be arranged as the following order: Title, Name of the author(s) and their institutions, Abstract, Introduction, Methods (for Socio-Economic), Materials and Methods (for non Socio-Economic), Results, Discussion, Conclusion, Conflict of Interest, Acknowledgment (if any), References.

CONTENT OF MANUSCRIPTS

1. **Title** must be brief, clear, specific, and informative which reflects the article content. The length of the title maximum 14 words. Each word of the title should be started with capitalized letter.
2. **Name of author(s)** are written as references.
3. **Name of institution(s)** where the research was conducted must be accompanied with the full address including institution/department, city, and country, and e-mail.
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5. **Keywords** should be written in no more than 5 (five) words or phrases.
6. **Introduction** describes a brief background of the research, state of the arts, novelty, and objective(s). It should be written efficiently and supported by references and no more than 2 pages. Extensive discussion of relevant literature should be included in the discussion, not in the introduction.
7. **Materials and Methods**
   a. It should be written clearly and completely containing a clear description of biological, analytical, and statistical procedures; so they can be repeated by other researchers. References of original methods/procedures must be stated and all modifications of procedures (if any) should be explained. Diets and animal conditions (breed, sex, age, body weight, and weighing conditions [i.e., with or without restriction of feed and (or) water]) also should be described clearly and fully.
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8. **Results**
   a. Data should be presented in Tables or Figures when feasible. There should be no duplication of data in Tables and Figures. Sufficient and comprehensive data followed with some index of variation (SEM pool) and significance level (e.g., $p<0.01$) should be presented to give a complete information and allow the reader to interpret the results of the experiment.
   b. The text should explain or elaborate the tabular data, but numbers should not be repeated extensively within the text.

9. **Discussion** should be consistent and should interpret the results clearly and concisely, address biological mechanism and their significance, supported with suitable literature. The discussion should show relevance between the results and the field of investigation and/ or hypotheses. Results that are already described in the RESULTS section should not be repeated in the DISCUSSION section.
10. **Conclusion** should be written briefly in a single paragraph but reflects the experimental results obtained. Conclusion should answer the objective of the research. Implication of results should be added stating what the findings of this research imply for animal production and (or) biology.
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    f. Citation within body text of article must follow the **Harvard style** (authors, year). However, references list must be written following the **American Psychological Association (APA)**.
    g. Reference citations in the body text: Takahashi (2014) or (Takahashi, 2014); O'neil *et al*. (2006) or (O'neil *et al*., 1974); Priyanto and Johnson (2011) or (Priyanto & Johnson, 2011).
    h. References should be listed alphabetically by the author(s) last name(s) and the year of publication. Authors should provide DOI number of each reference, especially for journal articles.
    i. Some guidelines and examples of references are presented below:

Journal

Surname, Initials, Surname, Initials, & Surname, Initials. (year of publication). Title of article. Journal Title, Volume(Issue), xxx–xxx. DOI

Samadi, S., Wajizah, S., & Munawar, A. **(**2018). Rapid and simultaneous determination of feed nutritive values by means of near infrared spectroscopy. Tropical Animal Science Journal, 41(2), 121-27. https://doi.org/10.5398/tasj.2018.41.2.121

Book

Surname, Initials. (year of publication). Title of book. Publisher. *DOI or URL (if any)*

Latimer, G. W. Jr. (2019). Official methods of analysis of AOAC international (21st ed.). AOAC International.

National Academies of Sciences, Engineering, and Medicine. **(**2016). Nutrient requirements of beef cattle (8th rev. ed.). The National Academies Press. https://doi.org/10.17226/19014

Book Chapters

Surname, Initials, & Surname, Initials. (year of publication). Title of chapter. In E. Editor & F. Editor (Eds.), Title of book (pp. xxx–xxx). Publisher. *DOI or URL (if any)*

Roux, S. J., & Clark, G. (2019). Extracellular ATP signaling in animals and plants: Comparison and contrast. In S. Sopory (Ed.), Sensory biology of plants (pp. 389–409). Springer. https://doi.org/10.1007/978-981-13-8922-1_15

Webpage

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Rappolt-Schlichtmann, G. (n.d.). Distance learning: 6 UDL best practices for online learning. Understood. https://www.understood.org/en/articles/video-distance-learning-udl-best-practices

Webpage with a Retrieval Date

Worldometer. (n.d.). Current world population. Retrieved June 27, 2024, from https://www.worldometers.info/world-population/

Aviagen. (2018). Ross broiler management handbook. Retrieved December 22, 2021, from http://eu.aviagen.com/assets/Tech_Center/Ross_Broiler/Ross-BroilerHandbook2018-EN.pdf

TABLES, FIGURES, AND GRAPHS

1. **Table:**
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	Column head	Column head	Column head
Row head			
Row head			
Row head			

    b. Tables should be clear and could stand alone (giving a complete information and could be understood without referring to the body of manuscript). All tables should be cited in the text and should not duplicate data already given in the text or in figures.
    c. The title should be brief and clear. Only the initial word is capitalized, typed above the table, and numbered using Arabic number. The title for socio-economic should be completed with research time and location.
    d. Separating lines should be made horizontal (three lines) to separate head of column (treatment) and data, and closing line.
    e. Data should be completed with standard error of the mean (SEM) to figure out its variation.
    f. Footnote for statistical analysis should be written: "Means in the same column/row with different superscript differ significantly ($p<0.05$) or highly significant ($p<0.01$)".
    g. Each abbreviation or symbols should be described in footnote.
2. **Figure and Graph**
    a. Title should be brief and clear, located under the Figure or Graph. Only the initial word is capitalized and numbered with Arabic number.
    b. Symbols and description of Figure and Graph should be defined in title that would give a complete information and could stand alone.
    c. Figures should be prepared and the types are readable at the final size of publication, one column (8 cm wide) or full-page width (17 cm wide). Use Palatino Linotype and Times New Roman font types only. A minimum type size of 8 points (after reduction) should be used.

Please also remove unnecessary backgrounds and grid lines from graphs.

d. For bar charts, should be made in 2-dimension and should use stripes as fill patterns, not a solid or block shading. Each axis should have a description and a unit.
e. For line graphs, use a minimum stroke weight of 1 point for all lines. If multiple lines are to be distinguished, use solid, long-dash, short-dash, and dotted lines; avoid the use of gray or shaded lines. Please use the following symbols to identify curves and data points: □, ■, ○, ▲, Δ, ◊, ♦, +, and ×.
f. Figures must have good resolution. Preferred format for figures are Word, JPEG, and PDF. Minimum resolution is 300 dpi for color and grayscale figures and 600 dpi for line art. Please consider that color figures/images for print journal will be charged separately.

ADDITIONAL NOTES

1. Nomenclature for Latin words consisting of 2 or 3 words is typed in italic and used for plants, animals, insects, microorganisms, and diseases. Full name of chemicals is used for the first time. General name or generic can also be used.
2. Units of measurements use International System (IS).

Example of Table, Figure, and Graph

Table 1. Ingredients and nutrient composition of basal diet (g/kg)

Ingredients	Starter (Days 1-10)	Grower (Days 11-24)	Finisher (Days 25-42)
Maize (8 g CP/kg)	526.95	580.75	624.15
Soybean oil	23.6	22.6	32.2
Soybean meal (44 g CP/kg)	381.2	331.0	311.0
DL- Methionine 99%	2.5	2.5	1.8
L-Lysine, HCl	1.8	1.5	0.5
Limestone	14.0	12.0	11.3
Maize gluten	30.0	30.0	-
Sodium bicarbonate	1.0	1.0	1.0
Common salt	3.0	3.0	3.0
Vitamin premix[a]	2.5	2.5	2.5
Mineral premix[b]	2.5	2.5	2.5
Dicalcium phosphate	10.9	10.6	10.0
Phytase (10000 FTU/kg)	0.05	0.05	0.05
Nutrient composition[c]			
Metabolizable energy (MJ/kg)	12.5	12.8	13.0
Crude protein (g/kg)	231.0	214.0	189.0
Digestible lysine (g/kg)	12.7	11.3	9.8
Digestible methionine +cystine (g/kg)	9.50	9.05	7.6
Calcium (g/kg)	10.0	8.9	8.5
Available phosphorus (g/kg)	4.5	4.4	4.2
Sodium (g/kg)	1.6	1.6	1.6
Chloride (g/kg)	2.3	2.3	2.2

Note: [a]= Vitamin premix provided following amounts per kilogram of diet: vitamin A (retinyl acetate), 15,000 IU; vitamin D3, 5,000 IU; vitamin E (dl-α-tocopheryl acetate), 80 mg; vitamin K, 5 mg; thiamin, 3 mg; riboflavin, 10 mg; pyridoxine, 5 mg; vitamin B12, 0.02 mg; niacin, 70 mg; choline chloride, 350 mg; folic acid, 2 mg; biotin, 0.4 mg; and pantothenic acid, 20 mg.
[b]= Mineral premix provided following amounts per kilogram of diet: Mn (manganese sulphate), 100 mg; Zn (zinc sulphate), 65 mg; Cu (copper sulphate), 5 mg; Se (sodium selenite), 0.22 mg and I (calcium iodate), 0.5 mg.
[c]= Determined using individual feed analysis results.

Table 2. Growth and economic performances of Indonesian crossbred chickens given experimental diet up to 10 weeks of age

Variables	Treatments					SEM	p value
	LSD	HSD	HSD+mE	HSD+FPLS	HSD+FPLS+mE		
Final BW, g	863	857	868	863	889	5.45	0.43
Weight gain, g	621	622	633	628	653	5.51	0.37
Cumulative FI, g	2,503[a]	2,160[b]	2,103[b]	2,175[b]	2,131[b]	48.8	0.04
FCR	4.03a	3.47[b]	3.33[b]	3.47[b]	3.26[b]	0.08	0.01
Feed cost per weight gain (IDR)[1]	25,081[a]	21,558[b]	20,732[b]	20,033[b]	18,850[b]	565	<0.01
Income over feed cost (IDR)[2]	2,559[c]	4,552[b]	5,138[ab]	5,553[ab]	6,351[a]	343	<0.01

Note: Means in the same row with different superscripts differ significantly ($p<0.05$).
[1]= Calculations were conducted at the period of investigation as the cost of feed ingested to reach a kilogram of live body-weight gain; [2]= Calculations were conducted at the period of investigation as the entire income minus entire feed cost; LSD= chicks fed conventional feed at low stocking density; HSD= chicks fed conventional feed at high stocking density; HSD+mE= chicks fed conventional feed plus multienzyme at high stocking density; HSD+FPLS= chicks fed FPLS at high stocking density; HSD+FPLS+mE= chicks fed FPLS plus multienzyme at high stocking density; BW= body weight; FCR= feed conversion ratio; FI= feed intake, IDR= Indonesian Rupiah (Indonesian currency); SEM= standard error of means.

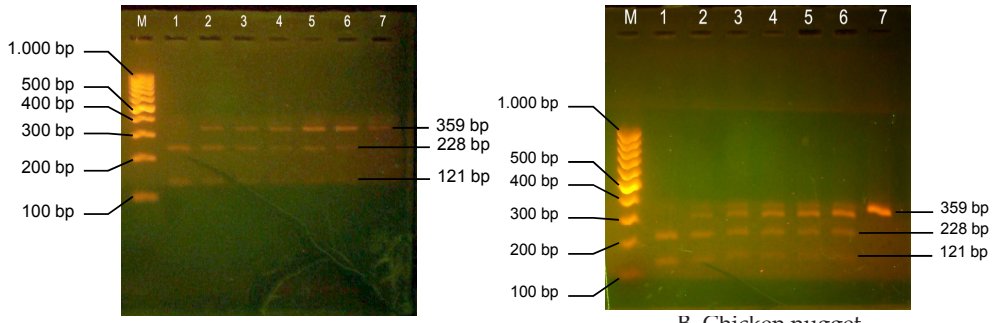


Figure 1. BseDI restriction profile of cytochrome b PCR product amplified from samples. (A) M= 100 bp ladder size standard; 1= pork (100%); 2= (beef 75% : pork 25%); 3= (beef 90% : pork 10%); 4= (beef 95% : pork 5%); 5= (beef 97% pork 3%); 6= (beef 99% : pork 1%); 7= beef 100%. (B) M= 100 bp ladder, 1= pork (100%); 2= (chicken 75% : pork 25%); 3= (chicken 90% : pork 10%); 4= (chicken 95% : pork 5%); 5= (chicken 97% : pork 3%); 6= (chicken 99% : pork 1%); 7= chicken (100%).

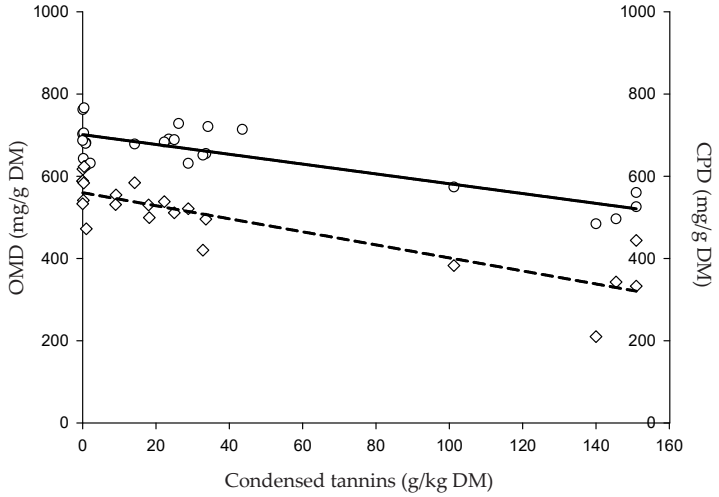


Figure 2. Relationships between dietary condensed tannin concentration and organic matter digestibility (OMD) (-o-, full regression line; OMD= 701.2 – 1.19 CT, $p<0.001$, $R^2= 0.701$) and crude protein digestibility (CPD) (-◊-, dashed regression line; CPD= 559.7 – 1.59 CT, $p<0.001$, $R^2= 0.730$) in the *in vivo* studies.

3. Abbreviations are written using standard Tropical Animal Science Journal, as follows:

°C	degree Celsius
ANOVA	analysis of variance
ATP	adenosine triphosphate
cal	calorie
cfu	colony-forming unit
CoA	coenzyme A
CP	crude protein (N × 6.25)
CV	coefficient of variation
d	day(s)
DM	dry matter
DNA	deoxyribonucleic acid
EDTA	ethylenediaminetetraacetic acid
F	F-distribution (variance ratio)
g	gram
GC	gas chromatography
GE	gross energy
GH	growth hormone
h	hour(s)
ha	hectare
hCG	human chorionic gonadotropin
HPLC	high-performance liquid chromatography
Hz	hertz
IU	international unit
J	joule
L	liter
LD_{50}	lethal dose 50%
LSD	least significant difference
m	meter
ME	metabolizable energy
min	minute(s)
mo	month(s)
n	sample size (used parenthetically or in footnotes)
NDF	neutral detergent fiber
No.	number (use only in tables, not in the text)
NRC	National Research Council
P	probability
PCR	polymerase chain reaction
RNA	ribonucleic acid
rpm	revolutions/minute (not to be used to indicate centrifugal force)
s	second(s)
SAS	Statistical Analysis System
SD	standard deviation (sample)
SE	standard error
sp.	species
ssp.	subspecies
t	t- (or Student) distribution

TDN	total digestible nutrients
UV	ultraviolet
V	volt
VFA	volatile fatty acid(s)
vol	volume
vol/vol	volume/volume (used only in parentheses)
vs.	versus
W	watt
wk	week(s)
wt	weight (use only in tables, not in the text)
yr	year(s)

4. Decimal to separate value in tables or texts should be written using dot (.).
5. Writing Heading
   a. Headings should be written in capital letters, bold, centered, and include:
      ABSTRACT
      INTRODUCTION
      MATERIALS AND METHODS
      RESULTS
      DISCUSSION
      CONCLUSION
      CONFLICT OF INTEREST
      ACKNOWLEDGEMENT
      REFERENCES
   b. Sub-heading, the first letter for each word should be capitalized, centered, and bold.
   c. Sub-sub-heading, only the first word should be capitalized, written at the beginning of the paragraph, bold, and followed by full stop. The following text should be typed double hit from the sub-sub-heading.

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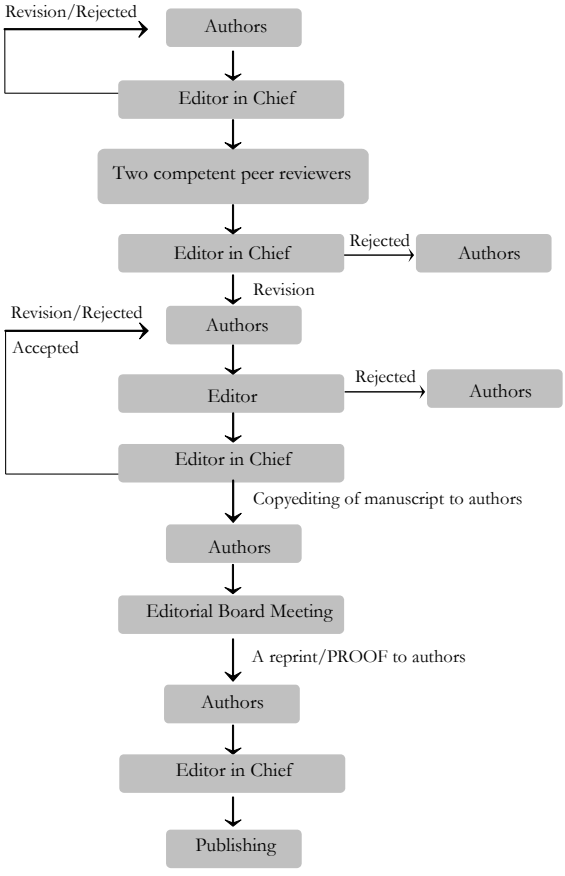
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Tropical Animal Science Journal

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