



Media
Kedokteran Hewan
(Veterinary Medicine Journal)

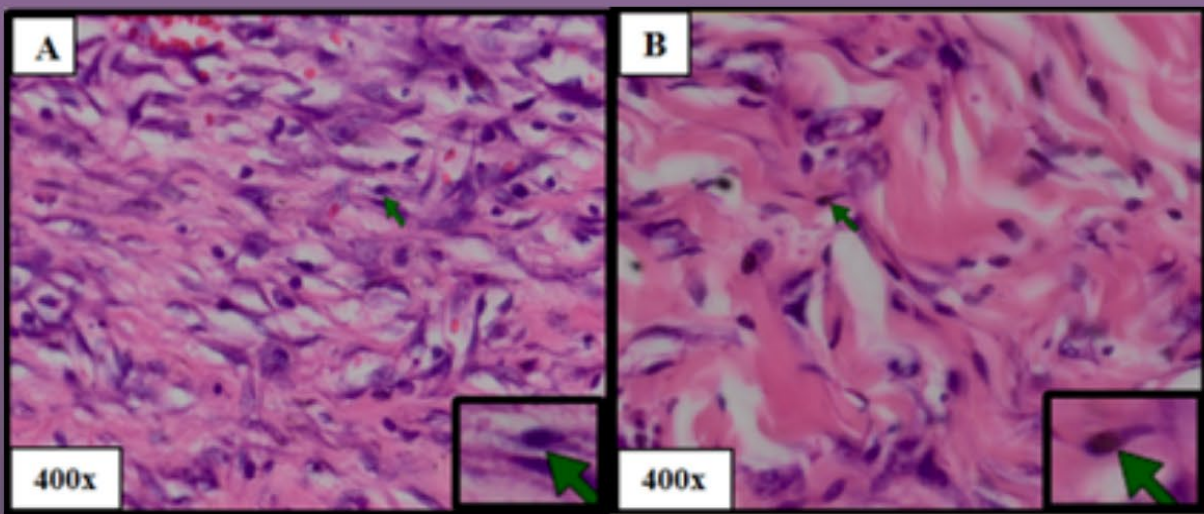


Figure source: Pratiwi et al. 2020. Media Kedokteran Hewan, 31 (2): 52-63

Media Kedokteran Hewan (Veterinary Medicine Journal)

Volume 33, No.1, January 2022

Media Kedokteran Hewan ([p-ISSN: 0215-8930](https://doi.org/10.20473/mkh.v33i2.2022)) ([e-ISSN: 2775-975X](https://doi.org/10.20473/mkh.v33i2.2022)) (established 1985) publishes all aspects of veterinary science and its related subjects. Media Kedokteran Hewan publishes periodically three times a year (January, May, and September). Media Kedokteran Hewan publishes original articles, review articles, and case studies in Indonesian or English, with an emphasis on novel information of excellent scientific and/or clinical quality, relevant to domestic animal species and biotechnology of veterinary medicine from researchers, lecturers, students, and other practitioners around Indonesia and worldwide.

Editor in Chief

Yulianna Puspitasari, drh., M.VSc., Ph.D. Universitas Airlangga, Indonesia

Associate Editor

Dian Ayu Permatasari, drh., M.Vet. Universitas Airlangga, Indonesia
Dhandy Koesoemo Wardhana, drh., M.Vet. Universitas Airlangga, Indonesia

Assistant Editor

Rosa Kartika Al Jihadi, K5 Perawatan Hewan Kota Kediri

Editorial Board Members

Prof. Dr. Pudji Srianto, drh. M.Kes. Universitas Airlangga, Indonesia
Prof. Dr. Widya Paramita Lokapirnasari, drh., MP. Universitas Airlangga, Indonesia
Dr. Tariq Jamil, Friedrich Loeffler Institute, Jena, Germany
Dr. Attaur Rahman, College of Animal Husbandry & Veterinary Sciences, Abdul Wali Khan University Mardan, Pakistan
Dr. Shekhar Chhetri, DVM, M.Sc. Royal University of Bhutan, Bhutan
Dr. Ugbo Emmanuel Nnabuike, Ebonyi State University, Nigeria
Dr. Abzal Abdramanov, M.Sc. Kazakh National Agrarian Research University, Kazakhstan
Dr. Jagdish Gudewar, B.VSc., M.VSc. College of Veterinary & Animal Sciences, Parbhani, India
Abdul Rehman, DVM., M.Phil., Ph.D. University of Veterinary and Animal Sciences, Lahore, Pakistan
Dr. Freshinta Jellia Wibisono, drh., M.Vet. Universitas Wijaya Kusuma, Surabaya, Indonesia
Roza Azizah Primatika, S.Si, M.Si. Universitas Gadjah Mada, Indonesia
Fidi Nuraini, drh., M.Si. Universitas Brawijaya, Indonesia



Media Kedokteran Hewan

Veterinary Medicine Journal
Volume 33 No.2 2022



Media Kedokteran Hewan by [Unair](https://www.unair.ac.id) is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-sa/4.0/)

Dr. Nanik Hidayatik, drh., Universitas Airlangga, Indonesia
Mohammad Thohawi Elziyad P, drh., M.Si. Universitas Airlangga, Indonesia
Ragil Angga Prastiya, drh., M.Si. Universitas Airlangga, Indonesia
Mirza Atikah Madarina Hisyam, drh., M.Si. Universitas Airlangga, Indonesia

Peer Reviewer:

Prof. Dr. Imam Mustofa, drh, M.Kes. Universitas Airlangga, Indonesia
Prof. Dr. Fedik Abdul Rantam, drh. Universitas Airlangga, Indonesia
Prof. Dr. Ir. Sri Hidanah, MS. Universitas Airlangga, Indonesia
Prof. Ooi Hong-Kean, DVM.,Ph.D. Japan Science and Technology Agency, Japan
Sattar Mengal, DVM., M.Phil., Ph.D. Lasbela University of Agriculture, Water and Marine Sciences, Pakistan
Innocent Damudu Peter, DVM., M.VSc., Ph.D. University of Maiduguri, Nigeria
Mohd Farhan Hanif bin Reduan, DVM., Ph.D. Universiti Malaysia Kelantan, Malaysia
Nurrul Shaqinah Nasruddin, DVM, Ph.D. National University of Malaysia, Malaysia
Norfitriah Mohamed Sohaimi, DVM., Ph.D. Universiti Putra Malaysia, Malaysia
Dr. Mark Hiew Wen Han, Universiti Putra Malaysia, Malaysia
Taira Kensuke, DVM., Ph.D. Azabu University, Japan
Shin Yoon-Joo, Seoul National University, South Korea
Rey Oronan, University of the Philippines, Los Banos
I Ketut Mudite Adnyane, drh., M.Si., Ph.D., PAVet. Institut Pertanian Bogor University, Indonesia
Eddy Sukmawinata, DVM., M.Sc., Ph.D. Department of Infectious Diseases, Faculty of Medicine, University of Miyazaki, Japan
Dede Setiawan, DVM, Charles River Laboratories Montreal, Quebec, Canada
Dr. Sri Rahmatul Laila, Institut Pertanian Bogor University, Indonesia
Dr. Chaerul Basri, Institut Pertanian Bogor University, Indonesia
Wredha Sandhi Ardha Prakoso, drh., M.Sc. Karantina Hewan, Badan Karantina Pertanian
Dilasdita Kartika Pradana, drh., M.Si. Balai Besar Veteriner Kelas I Denpasar, Bali, Indonesia
Dr. Sarasati Windria, drh. Universitas Padjajaran, Bandung, Indonesia
Drh. Mudhita Zikrullah Ritonga, S.KH.,M.Vet, Universitas Syiah Kuala, Indonesia
Shelly Kusumarini R, drh., M.Si. Universitas Brawijaya, Indonesia
Syaiful Rizal, drh., M.Si. Badan Riset dan Inovasi Nasional, Indonesia
Suryo Kuncorojakti, drh., M.Vet., Ph.D. Universitas Airlangga, Indonesia
Adiana Mutamsari Witaningrum, drh., M.Vet. Universitas Airlangga, Indonesia
Oky Setyo Widodo, drh., M.Si. Universitas Airlangga, Indonesia
Martia Rani Tacharina, drh., M.Si. Universitas Airlangga, Indonesia

Editorial Office : Faculty of Veterinary Medicine, Universitas Airlangga



Media Kedokteran Hewan

Veterinary Medicine Journal
Volume 33 No.2 2022



Media Kedokteran Hewan by [Unair](https://unair.ac.id) is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-sa/4.0/)

Kampus C Universitas Airlangga Mulyorejo, Surabaya 60115
Telp. (031)5992785, 5993016 Fax. (031) 5993015
e-mail : medvetj@journal.unair.ac.id



Author Guidelines

Veterinary Medicine Journal is a journal that contains scientific articles on veterinary medicine and animal husbandry biotechnology published by Faculty of Veterinary Medicine Airlangga University 3 times per year on January, May and September. Veterinary Medicine Journal received manuscripts in the form of original research articles, review articles and case reports in Indonesian and English. Manuscripts received must be original, current and have never been published or are being planned to be published in other scientific journals.

Manuscripts must be submitted online through the Open Journal System (OJS) in Word format. The entire text is typed in Book Antiqua 11pt double spaced. The title is written with a Title case (bold, 14pt, align center). The full length of the manuscripts is a maximum of 12 pages of HVS paper. Italicize only for species names or terms that have not been standardized as Indonesian. Define abbreviations upon first appearance in the text. Do not use non-standard abbreviations unless they appear at least three times in the text. Keep abbreviations to a minimum. Avoid unnecessary duplication of text.

The first page contains titles in Indonesian and English, followed by full names of all authors without titles and initials (bold, center), followed by the name and complete address of the respective institution (marked with numeric superscripts) and e-mail of corresponding authors (marked with *superscript).

The second page forward contain:

ABSTRACT in English and Indonesian, **INTRODUCTION, MATERIALS AND METHODS, RESULTS, DISCUSSION, CONCLUSIONS, APPROVAL OF ETHICAL COMMISSION, ACKNOWLEDGEMENTS** and **REFERENCES**.

Title should be concise but informative, as far as possible in no more than 12 words.

Abstract written in Indonesian and English, do not exceed 200 words, containing elements of background, material and methods, results and conclusions.

Keywords maximum of 5 (five) words or phrases, written after the abstract in each languages, alphabetically ordered. As far as possible avoid using keywords from the title.

Introduction should be brief, containing elements of background, problems, objectives and reference sources that support.

Research materials (materials and equipment) do not need to be mentioned separately, but rather integrated in the method used, complete with the brand and catalog number if applicable. Do not include common supplies, such as test tubes, pipette tips, beakers, etc. or standard laboratory equipment.

Method must be concise but sufficiently detailed (with reference or modification) so research can be repeated by other researchers.

Results are displayed in a concise but clear narrative with/without tables or figures.



Tables are made without vertical lines (use only lines at the top and bottom of the table as well as for separating heading from the main table), with table title placed before the table, numbered in Arabic numerals (**Table X**), and have to be referred in the text. The description of the table is placed after the table; it must be concise but clear enough so that the table separately can be understood without referring to the text. The table along with the title and description are placed after the References.

Figures presented are only those that support the findings of the study, and not restatement of data from tables in the form of figures. When resulted data in the form of figure is more informative, interesting or significant, presentation of data in table form is not required. Figure title is placed after the figure, numbered in Arabic numerals (**Figure Y**), and have to be referred in the text. The description of the figure is placed under the title of the figure; it must be concise but clear enough so that the figure separately can be understood without referring to the text. Image (in JPEG format) is sent in separate file. The title and description of the figure are placed after the References.

Discussion contains explanation of what are found related to **the importance of your study** and how it may be able to answer the research question, comparison of findings (internally, between research data, and externally, compared with findings from other studies) and cause-effect analysis.

Conclusion does not only repeat the results of the study, but summarize the findings into a narrative that impacts on the development of science and/or practitioners in the field of veterinary reproduction.

Approval of Ethical Commission have to be stated (number and institution) if the manuscript is constructed based on a research using live animals.

Acknowledgements are delivered to the research funders (state the name, number and recipient name of the grant, if applicable), and to those who have helped carry out the research.

References are sorted alphabetically based on the author's last name. The *titles of journals* should be *abbreviated* according to the style *used* by each journal. Sixty (60%) scientific journal/article and (40%) text book.

Roitt, I., J. Brostoff, and D. Male. 2005. Immunology. 6th Ed. Black Well Scientific Pub. Oxford.

Staropoli, I., J.M. Clement, M.P. Frenkiel, M. Hofiung and V. Deuble. 2006. Dengue-1 virus envelope glycoprotein gene expressed in recombinant baculovirus elicits virus neutralization antibody in mice and protects them from virus challenge. Am.J. Trop. Med. Hygi; 45: 159-167.

Review article

Veterinary Medicine Journal received review articles on topics included in the scope of the journal which are of current interest. Reviews are invited by the editor. The review must be a comprehensive analysis and perspective on the state of the field and where it



is heading. Reviews will be subject to the same peer review process as is applied for original papers. The manuscript is arranged in the same way as the original article with an unstructured abstract (maximum of 200 words). The number of references is limited to 50-70, with 75% of them have to be from publications in the past 10 years. The total length should not exceed 12 pages (HVS paper, double spaced 11pt Book Antiqua).

Case reports:

Veterinary Medicine Journal receives quality and interesting case reports with topics included in the scope of this journal. All reports are peer reviewed as is applied for original articles. All instructions are the same as for the original articles.



**Media Kedokteran Hewan
(Veterinary Medicine Journal)**

Vol. 33 No. 2 May 2022

LIST OF CONTENT

	Page
1. Correlation Between Testicular Biometrics and Serum Level of Reproductive Hormones of Arewa Stallions Crossbred in Ilorin, Nigeria	53-62
Afisu Basiru, Ishola Olaide Abdullahi, Adah Sylvanus Adakole, Akorede Ganiu Jimoh, Aremu Abdulfatai, Azeez Oyebisi Mistura	
2. Resistance of <i>Escherichia coli</i> to Various Antibiotics of Cat Patients in Educational Veterinary Hospital, Mandalika University of Education	63-71
Alfiana Laili Dwi Agustin, Novarina Sulsia Ista'in Ningtyas	
3. Comparative Pathologic, Immunohistochemical, Ultrastructural and Molecular study of Bovine Papilloma Virus type 1 E5 Oncogene infection in Exotic and Indigenous cattle breeds	72-86
Olatunde B. Akanbi, Jens Peter Teifke, Adeyinka Jeremy Adedeji, Kati Franzke, Clement Adebajo Meseko, Oluwafemi B. Daodu, Henry O. Jegede	
4. Resistance of <i>Escherichia coli</i> Isolated from Layer Chicken in Sesaot Village, West Lombok District	87-95
Alfiana Laili Dwi Agustin, Novarina Sulsia Ista'in Ningtyas, Kunti Tirtasari, Tenri Mega	
5. Potential of Probiotics for Weight Gain, Consumption, and Conversion of Pre-Layer Chicken Feed	96-104
Sukmawati Lailatul Jannah, Moh. Anam Al Arif, Sri Chusniati, Mirni Lamid, Moh. Sukmanadi, Iwan Sahrial Hamid, Rondius Solfaine	



LIST OF CONTENT

Page

6. *Lawsonia inermis* Linn; Review of Plant with Both Industrial and Medicinal Properties 105-130

Aremu Abdulfatai and Oridupa Olayinka Ayotunde

7. A Review of Poultry Product as a Source of Spreading Multidrug Resistant Salmonella: Public Health Importance 131-162

Farah Fanissa



Media Kedokteran Hewan

Veterinary Medicine Journal
Volume 33 No.2 2022



Media Kedokteran Hewan by [Unair](https://www.unair.ac.id) is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-sa/4.0/)