Editor-in-Chief: Edy Kurnianto
Vice Editor-in-Chief: Agung Purnomoadi
National Editorial Board:
- Ahmad Sodiq [Jenderal Soedirman University]
- Anang M. Legowo [Diponegoro University]
- Budi Indarsih [Mataram University]
- Cece Sumantri [Bogor Agricultural University]
- Diding Latipudin [Padjadjaran University]
- Edi Suryanto [Gadjah Mada University]
- Edjeng Suprijatna [Diponegoro University]
- Edy Rianto [Diponegoro University]
- Erika B. Laconi [Bogor Agricultural University]
- Jerry F. Salamena [Pattimura University]
- Joelal Achmadi [Diponegoro University]
- Karna [Diponegoro University]
- Khalil [Andalas University]
- Krisna Agung Santosa [Gadjah Mada University]
- Lily Warly [Andalas University]
- Mulyadi [Papua State University]
- Ni Wayan Kurniani Karja [Bogor Agricultural University]
- R. Djoko Sutrisno [Gadjah Mada University]
- Subandriyo [Research Institute for Animal Production]
- Suci Paramitasari Syahiani [Gadjah Mada University]
- Sumiati [Bogor Agricultural University]
- Susanto Prawirodirdjo [Assessment Institute for Agricultural Technology]
- Syaiful Anwar [Diponegoro University]
- Urip Santoso [Bengkulu University]
- V. Priyo Bintoro [Diponegoro University]
- Yon Soepri Ondho [Diponegoro University]
International Editorial Board:
- Abdulmojeed Yakubu [Nasarawa State University, Nigeria]
- Arda Yildirim [Gaziosmanpasa University, Turkey]
- Chalong Wachirapakorn [Khon Kaen University, Thailand]
- Takuro Oikawa [University of the Ryukyus, Japan]
- Sumeet Sharma [University of Alberta, Canada]
- Vincenzo Tufarelli [University of Bari ‘Aldo Moro’, Italy]
- Wan Zahari Muhamed [Universiti Malaysia Kelantan, Malaysia]
Managing Editor: Titik Ekowati
Retno Adiwinarti

Journal of the Indonesian Tropical Animal Agriculture
ISSN 2087-8273

The front cover illustrates the sketch of leaves and seeds of legume and grass forming a buffalo’s horn (designed by Agung Purnomoadi)
History

MEDIA was the first academic bulletin at Faculty of Animal Science and Fisheries, Diponegoro University in 1975. Along with the development of livestock and fisheries field in the faculty, the faculty was splitted into the Faculty of Animal Science and Faculty of Fisheries. Consequently, there was a change of the journal name from MEDIA to Jurnal Pengembangan Peternakan Tropis (JPPT) in 1998.

JPPT awarded acceditation at the first time in 1999 by Directorate General of Higher Education, Republic of Indonesia. The accreditation was obtained every three years until 2011. JPPT is published on March, June, September and December.

JPPT was awarded the internationalization grant from 2009 to 2011. Consequently, JPPT no longer publish’s articles in Indonesian, but all articles have been published in English since September 2009. The name of JPPT, therefore, was changed officially to Journal of the Indonesian Tropical Animal Agriculture (JITAA) in 2009.

JITAA was accredited again in 2011 for a period of five years since November 15, 2011 with No 81/DIKTI/Kep/2011. JITAA as the open access journal has been indexed by Directory of Open Access Journal (DOAJ), CAB International and EBSCO.

Aims and Scopes

Journal of the Indonesian Tropical Agriculture (JITAA) is a peer-reviewed publication devoted to disseminate all information contributing to the understanding and development of animal agriculture in the tropics by publication of original research papers. The journal covers all aspect relating to animal Agriculture, including animal breeding and genetics, animal feeding and nutrition, animal reproduction, animal biotechnology, animal physiology, animal production and technology, animal products technology, animal management and economics, animal products processing and animal by-products, animal microbiology, livestock farming systems, and other related topics in relation to animal science.

Publication Ethics and Malpractice Statement

SECTION I: Publication
1. All submitted manuscript are reviewed by at least two reviewers who expertise in their subject.
2. The originality, soundness, novelty and language are factors that are taken into account in review by reviewers.
3. The results of review are categorized into eligible to publish in Journal of the Indonesian Tropical Animal Agriculture (JITAA) without revision, eligible to publish in JITAA with minor revision, eligible to publish in JITAA with major revision, and rejection.
4. If authors are encouraged to revise and resubmit a manuscript, then there is no guarantee that the revised submission will be accepted.
5. Rejected manuscript not be re-reviewed.

SECTION II: Editor
1. Editors have full responsibility and authority to reject/accept an manuscript.
2. Editors should guarantee the quality of the papers published in JITAA.
3. Editors should provide all information needed by aouthors to improve the publication.
4. Editors should preserve the identity or anonymity of reviewers.
5. Editors should publish errata page when needed.
6. Editors should not allow any conflicts of interest among authors, reviewers and board members.
SECTION III: Authors
1. Authors have to certify that the manuscript has not previously been published or is not being considered for publication elsewhere.
2. Authors have to certify that manuscript submitted is free from plagiarism.
3. Authors state that experiment conducted is according to national, international or applicable regulations for conducting scientific research.
4. Authors have to follow the rule of guideline of JITAA.
5. Authors state that all data analyzed are real.

SECTION IV: Reviewers
1. Reviewers should evaluate a manuscript solely on academic merits, in which if a conflict of interest is detected it should be immediately notified to the editor.
2. Reviewers have to keep all information relating to the manuscript reviewed.
3. Reviewers should review a manuscript objectively.
4. Reviewers should notify clearly on unclear statement written by authors.
5. Reviewers should not review manuscripts in which they have conflicts of interest resulting from competitive or relationships with any of the authors.
6. If plagiarism is detected, reviewers should notify the editors immediately.
## CONTENTS

Inheritance of Coat Color of Kejobong Goat in Purbalingga Regency, Central Java, Indonesia - T. Permatasari, Sutopo and E. Kurnianto  
137 - 143

Supplementation Effects of Tannin and Saponin Extracts to Diets with Different Forage to Concentrate Ratio on In vitro Rumen Fermentation and Methanogenesis - Yogianto, A. Sudarman, E. Wina and A. Jayanegara  
144 -151

Ruminal Fermentation and Blood Glucose at Low and High Level Intake of Growing and Mature Kacang Goat - N. Luthfi, C. M. S. Lestari and A. Purnomoadi  
152 - 158

Influence of Age on the Susceptibility of Piglets to Escherichia coli O138:F18 - S. Sugiharto and C. Lauridsen  
159 -166

Effect of Fermented Cacao Pod Supplementation on Sheep Rumen Microbial Fermentation - S. Wulandari, A. Agus, M. N. Cahyanto and R. Utomo  
167 -174

The Profile of Vaginal Temperature and Cytology of Vaginal Smear in Bali Cattle during Estrus Cycle Phase - Indira P.N., Kustono and Ismaya  
175 - 179

The Effect of Silkworm Pupae (Bombyx mori) Meal to Substitute Fish Meal on Production and Physical Quality of Quail (Cortunix cortunix japonica) Eggs - R. Rahmasari, Sumiati and D. A. Astuti  
180 - 187

The Chrome-Tanned Goat Leather for High Quality of Batik - W. Pancapalaga, V. P. Bintoro, Y. B. Pramono and S. Triatmojo  
188 -193

Author Index  
195

Acknowledgment  
195