

# Ovozoa: Journal of Animal Reproduction

**The addition of duck egg yolk to skim milk-fructose extender maintained the motility and viability of Muscovy duck (*Cairina moschata*) spermatozoa at 5°C storage**

Isti Annisa Ramahtia, Tatik Hernawati, Tri Wahyu Suprayogi, Tjuk Imam Restiadi, Djoko Legowo, Samuel Inioluwa Akeju ..... 1 – 8

**Comparison of reproductive performance of Ongole cross and Ongole-Limousin cross in Bekri district, Central Lampung regency, Lampung province, Indonesia**

Puspa Permata Sukma, Ismudiono Ismudiono, Sri Mulyati, Pudji Srianto, Sri Pantja Madyawati, Ira Sari Yudaniayanti, Abdullah Hasib..... 9 – 17

**Reproductive disorders of cows in several villages of Kedamean district, Gresik regency, East Java, Indonesia in 2023**

Budi Utomo, Rimayanti Rimayanti, Tjuk Imam Restiadi, Muhammad Fajar Amrullah ..... 18 – 29

**The effect of ciplukan leaf extract (*Physalis angulate Linn.*) on the testicle of heat-exposed rats (*Rattus norvegicus*)**

Annisa Nur Fitria Rahma, Sherina Lashita Candrakirana, Rimayanti Rimayanti, Tri Wahyu Suprayogi, Budi Utomo, Tatik Hernawati, Anwar Ma'ruf, Nove Hidajati, Kadek Rachmawati, Eka Pramyrtha Hestianah, Hani Plumeriastuti, ..... 30 – 38

**White guava (*Psidium guajava L.*) fruit juice ameliorated the number of spermatogenic cells in rats (*Rattus Novergicus*) exposed to lead acetate**

Muhammad Faizal Adiutomo, Suzanita Utama, Herry Agoes Hermadi, Wurlina Wurlina, Hardany Primarizky, Rochmah Kurnijasanti, ..... 39 – 46

**Porang tuber extract (*Amorphophallus oncophyllus*) improves the histopathological of diabetic rats (*Rattus norvegicus*) testicle**

Dwi Puspa Sukma Viranda, Rochmah Kurnijasanti, Kadek Rachmawati, Iwan Sahrial Hamid, Pudji Srianto, Hani Plumeriastuti, Lita Rakhma Yustinasari ..... 47 – 57

**Managing a retained placenta in a first-parity doe and administration of vitamin A, D, and E as supportive treatment**

Dhea Salsabila, Viski Fitri Hendrawan ..... 58 – 66



Ovozoa : Journal of Animal Reproduction by Unair is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.



Publisher: Faculty of Veterinary Medicine Universitas Airlangga in collaboration with the Indonesian Association of Department of Veterinary Reproduction and the Indonesian Animal Reproduction Association

Available at <https://e-journal.unair.ac.id/OVZ/index>

This journal is supported by



## *EDITOR IN CHIEF*

Prof. Dr. Imam Mustofa, drh., M.Kes,

## *EDITORS*

Prof. Dr. Erma Safitri, drh. M.Si,  
Prof. Dr. Tita Damayanti Lestari, drh.M.Sc,

## *FOCUS AND SCOPE*

Ovozoa: Journal of Animal Reproduction (Ovozoa J Anim Reprod) published original articles, review articles, and case reports in Indonesian or English, in the scope of veterinary reproduction and animal reproductive biotechnology from researchers, lecturers, students, and practitioners around Indonesia and worldwide.

The main objective of the Ovozoa J Anim Reprod is to disseminate the results of scientific researches in the field of animal reproduction.

### **Ovozoa: Journal of Animal Reproduction invites manuscripts in the areas:**

- ♣ Development of reproductive diagnostic techniques
- ♣ Development of reproductive technologies
- ♣ Infectious and non-infectious reproductive diseases
- ♣ Comparative pathology of reproductive diseases
- ♣ Reproductive endocrinology
- ♣ Infertility
- ♣ Environmental and stress effects on reproduction
- ♣ Better understanding of the in vivo fertilization process
- ♣ Better understanding of embryonic development
- ♣ Artificial insemination and embryo transfer
- ♣ In vitro fertilisation and embryo culture
- ♣ Sex selection of sperm and embryo
- ♣ Semen and embryo preservation
- ♣ Reproductive cloning
- ♣ Stem cell in reproduction
- ♣ Development of assisted reproductive technologies
- ♣ Molecular biology, genetics, proteomics, metabolomics application in reproductive biology

Authors have to prepare the manuscripts according to Ovozoa: Journal of Animal Reproduction guidelines. Manuscript and statement of originality and copyright release form should be submitted via online submission through journal website: <https://drive.google.com/file/d/1PvnboI6kQPm6NXNIV5Z04s0-ej4N5Iq4/view>.

## **JOURNAL HISTORY**

Ovozoa: Journal of Animal Reproduction is an Online Journal (e-journal), first published (Volume 1) in 2012 on the page <http://journal.unair.ac.id/OVOZOA@ovozoa-media-123.html>. This journal was issued based on the Decree of the Dean of the Faculty of Veterinary Medicine, Universitas Airlangga, as a scientific communication media that contained the scientific work of lecturers and students of the Faculty of Veterinary Medicine, Universitas Airlangga in the field of Animal Reproduction. Ovozoa was published under the e-Journal Universitas Airlangga: <http://journal.unair.ac.id/>.

Based on the decision of Asosiasi Departemen Reproduksi Veteriner Indonesia (ADERVI) or the Indonesian Association of Department of Veterinary Reproduction (IADVR) meeting on December 11<sup>th</sup>, 2019 in Surabaya, the publication of the Ovozoa e-journal starting in 2020 in collaboration with ADERVI. The Memorandum of Agreement between the Dean of the Faculty of Veterinary Medicine, Universitas Airlangga and the Chairperson of ADERVI, Number (FKH unair): 1445/UN3.1.6/KS/2020 and Number (ADERVI): 04/ADERVI/V/2020 signed on May 4<sup>th</sup>, 2020. Since March 27<sup>th</sup>, 2021 Ovozoa: Journal of Animal Reproduction has also collaborated with the Indonesian Animal Reproduction Association (Asosiasi Reproduksi Hewan Indonesia, ARHI). Starting from Volume 9 – 2020, Ovozoa completes its name as the Ovozoa: Journal of Animal Reproduction. It contains the publication of scientific work of lecturers, researchers, and practitioners of ADERVI members in the field of Veterinary Reproduction and Animal Reproduction Biotechnology. Ovozoa: Journal of Animal Reproduction is published at <https://e-journal.unair.ac.id/OVZ/index> periodically three times a year: April, August, and December.

## **SECRETARIAT OF Ovozoa: Journal of Animal Reproduction**

Faculty of Veterinary Medicine Universitas Airlangga, Kampus C, Mulyorejo, Surabaya 60115

Phone: +62-31-5992785, 5993016, Email: [ovozoa@journal.unair.ac.id](mailto:ovozoa@journal.unair.ac.id), Website: <https://e-journal.unair.ac.id/OVZ/index>

## **ARTICLE PROCESSING CHARGES**

### **Author Contributions**

Article Submission: 0.00 (IDR)

There is no article submission charge.

Article Publication: 0.00 (IDR)

There is no article publication charge. However, this policy will be reviewed annually and will be announced in advance if there are changes.

# Ovozoa: Journal of Animal Reproduction

## LIST OF CONTENT

<b>The addition of duck egg yolk to skim milk-fructose extender maintained the motility and viability of Muscovy duck (<i>Cairina moschata</i>) spermatozoa at 5°C storage</b> <i>Isti Annisa Ramahtia, Tatik Hernawati, Tri Wahyu Suprayogi, Tjuk Imam Restiadi, Djoko Legowo, Samuel Inioluwa Akeju .....</i>	1 – 8
<b>Comparison of reproductive performance of Ongole cross and Ongole-Limousin cross in Bekri district, Central Lampung regency, Lampung province, Indonesia</b> <i>Puspa Permata Sukma, Ismudiono Ismudiono, Sri Mulyati, Pudji Srianto, Sri Pantja Madyawati, Ira Sari Yudaniayanti, Abdullah Hasib.....</i>	9 – 17
<b>Reproductive disorders of cows in several villages of Kedamean district, Gresik regency, East Java, Indonesia in 2023</b> <i>Budi Utomo, Rimayanti Rimayanti, Tjuk Imam Restiadi, Muhammad Fajar Amrullah .....</i>	18 – 29
<b>The effect of ciplukan leaf extract (<i>Physalis angulate</i> Linn.) on the testicle of heat-exposed rats (<i>Rattus norvegicus</i>)</b> <i>Annisa Nur Fitria Rahma, Sherina Lashita Candrakirana, Rimayanti Rimayanti, Tri Wahyu Suprayogi, Budi Utomo, Tatik Hernawati, Anwar Ma'ruf, Nove Hidajati, Kadek Rachmawati, Eka Pramyrtha Hestianah, Hani Plumeriastuti, .....</i>	30 – 38
<b>White guava (<i>Psidium guajava</i> L.) fruit juice ameliorated the number of spermatogenic cells in rats (<i>Rattus Novergicus</i>) exposed to lead acetate</b> <i>Muhammad Faizal Adiutomo, Suzanita Utama, Herry Agoes Hermadi, Wurlina Wurlina, Hardany Primarizky, Rochmah Kurnijasanti, .....</i>	39 – 46
<b>Porang tuber extract (<i>Amorphophallus oncophyllus</i>) improves the histopathological of diabetic rats (<i>Rattus norvegicus</i>) testicle</b> <i>Dwi Puspa Sukma Viranda, Rochmah Kurnijasanti, Kadek Rachmawati, Iwan Sahrial Hamid, Pudji Srianto, Hani Plumeriastuti, Lita Rakhma Yustinasari .....</i>	47 – 57
<b>Managing a retained placenta in a first-parity doe and administration of vitamin A, D, and E as supportive treatment</b> <i>Dhea Salsabila, Viski Fitri Hendrawan .....</i>	58 – 66

Available at <https://e-journal.unair.ac.id/OVZ/index>

Publisher: Faculty of Veterinary Medicine Universitas Airlangga

in collaboration with the Indonesian Association of Department of Veterinary Reproduction and the Indonesian Animal Reproduction Association

Ovozoa: Journal of Animal Reproduction by Unair is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.



Publisher: Department of Veterinary Reproduction Faculty of Veterinary Medicine Universitas Airlangga in collaboration with the Indonesian Association of Department of Veterinary Reproduction and the Indonesian Animal Reproduction Association

Available at <https://e-journal.unair.ac.id/OVZ/index>

This journal is supported by

