

# Ovozoa: Journal of Animal Reproduction

**Effect of  $\alpha$ -tocopherol supplementation in diluents on the motility, viability and plasma membrane integrity of Simmental bull spermatozoa after cooling**

*Sarah Azura, Hermin Ratnani, Suherni Susilowati, Mas'ud Hariadi, Abdul Samik, Koesnoto Soepranianondo* ..... 1 – 6

**Hubungan antara skor hasil bacaan heat detector dengan gambaran sitologi vagina sebagai parameter penentuan estrus pada kambing**

*Nanda Irsa Meydilasari, Tatik Hernawati, Tita Damayanti Lestari, Erma Safitri, Trilas Sardjito, Ismudiono Ismudiono, Sri Hidanah* ..... 7 - 11

**Kualitas spermatozoa post-thawing pejantan sapi Friesian Holstein pada umur yang berbeda**

*Widya Aulia Ristiani, Muhammad Yunus, Tri Wahyu Suprayogi, Pudji Srianto, Imam Mustofa, Rimayanti Rimayanti* ..... 12 - 16

**Profil bakteri non spesifik dalam lendir serviks sapi perah pada fase folikuler dan fase luteal**

*Maysarah Oktavia Nur, Sri Mulyati, Trilas Sardjito, Sri Chusniati, Wiwiek Tyasningsih, Maslichah Mafruchati* ..... 17 - 22

**Penggunaan kombinasi Gonadotropin untuk pengobatan hipofungsi ovarium pada sapi perah**

*Novia Alfi Masruo, Sri Mulyati, Sri Pantja Madyawati, Abdul Samik, Hermin Ratnani, Nenny Harijani* ..... 23 – 27



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**

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



## 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,

## AIMS AND SCOPE

### Aims

Ovozoa: Journal of Animal Reproduction publishes original scientific papers in the field of Basic Research, Biotechnology, Applied Research and Review Articles, with the goal of contributing to a better understanding of phenomena related to animal reproduction.

### Scope

The scope of the Ovozoa: Journal of Animal Reproduction applies to students, lecturer, researchers and practitioners in the fields of veterinary, biology and animal science 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@ovoza-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: [ovoza@journal.unair.ac.id](mailto:ovoza@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

- Effect of  $\alpha$ -tocopherol supplementation in diluents on the motility, viability and plasma membrane integrity of Simmental bull spermatozoa after cooling**  
*Sarah Azura, Hermin Ratnani, Suherni Susilowati, Mas'ud Hariadi, Abdul Samik, Koesnoto Soepranianondo* ..... 1 – 6
- Hubungan antara skor hasil bacaan heat detector dengan gambaran sitologi vagina sebagai parameter penentuan estrus pada kambing**  
*Nanda Irsa Meydilasari, Tatik Hernawati, Tita Damayanti Lestari, Erma Safitri, Trilas Sardjito, Ismudiono Ismudiono, Sri Hidanah* ..... 7 - 11
- Kualitas spermatozoa post-thawing pejantan sapi Friesian Holstein pada umur yang berbeda**  
*Widya Aulia Ristiani, Muhammad Yunus, Tri Wahyu Suprayogi, Pudji Srianto, Imam Mustofa, Rimayanti Rimayanti* ..... 12 - 16
- Profil bakteri non spesifik dalam lendir serviks sapi perah pada fase folikuler dan fase luteal**  
*Maysarah Oktavia Nur, Sri Mulyati, Trilas Sardjito, Sri Chusniati, Wiwiek Tyasningsih, Maslichah Mafruchati* ..... 17 - 22
- Penggunaan kombinasi Gonadotropin untuk pengobatan hipofungsi ovarium pada sapi perah**  
*Novia Alfi Masruro, Sri Mulyati, Sri Pantja Madyawati, Abdul Samik, Hermin Ratnani, Nenny Harijani* ..... 23 – 27



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**



ASOSIASI DEPARTEMEN REPRODUKSI VETERINER INDONESIA

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