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The 6th National Conference of Applied Animal Science

“Sustainable AgriTech Meets Animal Science for National Food Resilience”

ANIMPRO

Conferences of Applied Animal Science Proceeding Series

September 25 - 26, 2025
Jember, East Java, Indonesia
Department of Animal Science
Politeknik Negeri Jember



**ANIMPRO: CONFERENCE OF APPLIED
ANIMAL SCIENCE PROCEEDING SERIES**

**“Sustainable AgriTech Meets Animal Science for National Food
Resilience”**

Jember, September 25-26, 2025



**DEPARTMENT OF ANIMAL SCIENCE
POLITEKNIK NEGERI JEMBER
2025**

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CONFERENCE OF APPLIED ANIMAL SCIENCE
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OPENING SPEECH

Praise be to God Almighty, for it is by His grace and blessings that the entire series of events for the 6th National Conference of Applied Animal Science (N-CAAS) 2025 has been successfully carried out. Peace and blessings be upon the Prophet Muhammad (SAW).

The N-CAAS is an annual scientific event organized by the Department of Animal Science at Politeknik Negeri Jember, and it also forms part of the 37th anniversary celebration of Politeknik Negeri Jember. In its sixth year, N-CAAS adopts the theme: “Sustainable AgriTech Meets Animal Science for National Food Resilience.” This theme emphasizes the importance of integrating sustainable agricultural technology with animal science to support national food resilience. Amid global dynamics and climate change, applied technological innovation serves as one of the key strategies to develop livestock systems that are adaptive, productive, and environmentally friendly.

The 2025 conference consisted of two main activities: the plenary session and the parallel session. All activities were conducted in a hybrid format, with sessions held onsite at the Auditorium Building of Politeknik Negeri Jember and simultaneously online via the Zoom platform.

In the plenary session, we were honored to present distinguished speakers from both domestic and international institutions. We extend our deepest appreciation to the following speakers:

1. Derico Setyabrata, Ph.D. – Department of Animal Science, University of Arkansas, United States
2. Dr. drh. Nuryani Zainuddin, M.Si. – Secretary of the Directorate General of Livestock and Animal Health
3. Moh. Nur Ali Muslim, S.Pt. – Plant Manager, CV. Cita Nasional
4. Dr. Ir. Hariadi Subagja, S.Pt., MP., IPM. – Department of Animal Science, Politeknik Negeri Jember

We also extend our appreciation to all authors who submitted and presented their articles in the parallel session. This year, a total of 34 scientific articles were

accepted and presented. These articles originated from 24 institutions across four countries: Indonesia, Malaysia, Thailand, and the United States. The contributing institutions include:

- Akademi Komunitas Negeri Rejang Lebong
- Badan Riset dan Inovasi Nasional
- IPB University
- MAN 2 Kota Makassar
- Politeknik Negeri Jember
- Politeknik Pembangunan Pertanian Malang
- Politeknik Pembangunan Pertanian Yogyakarta Magelang
- Universitas Andalas
- Universitas Bengkulu
- Universitas Brawijaya
- Universitas Diponegoro
- Universitas Gadjah Mada
- Universitas Islam Batik Surakarta
- Universitas Jambi
- Universitas Jenderal Soedirman
- Universitas Lampung
- Universitas Mataram
- Universitas Musamus
- Universitas Nahdatul Ulama Yogyakarta
- Universitas Negeri Jember
- Universiti Malaysia Kelantan (Malaysia)
- Universiti Sains Malaysia (Malaysia)
- University of Arkansas (United States)
- Rajamangala University of Technology Srivijaya (Thailand)

All articles underwent a review process by the N-CAAS reviewer team and were presented during the conference. These articles will be published in the official proceedings, ANIMPRO: Conference of Applied Animal Science Proceedings Series.

We express our highest gratitude to the N-CAAS 2025 committee, especially the proceedings and review teams, for their dedication and hard work in compiling the

ANIMPRO Proceedings Series. We also extend our appreciation to the speakers, authors, moderators, participants, and sponsors, including the Jurnal Ilmu Peternakan Terapan (JIPT), the Livestock Production Laboratory, the Feed Technology Laboratory, and the Entrepreneurship Unit of the Department of Animal Science, Politeknik Negeri Jember.

Finally, we sincerely apologize for any shortcomings encountered during the organization of N-CAAS 2025. We hope that the ANIMPRO: Conference of Applied Animal Science Proceedings Series will be well received and provide valuable benefits to readers, researchers, academics, and practitioners in the fields of livestock and applied sciences.

Jember, September 25, 2025
Chairman of the Organizing Committee

Ir. Agus Hadi Prayitno, S.Pt., M.Sc., IPM.

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