



ANIMPRO

*Conferences of Applied Animal Science
Proceeding Series*

**The 5th National Conference of
Applied Animal Science**

Integration of Environmental Friendly Applied
Livestock Technology Towards SDG's 2030

September 28-29, 2024

Jember, East Java, Indonesia
Department of Animal Science
Politeknik Negeri Jember



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

**“Integration of Environmental Friendly Applied Livestock
Technology Towards SDGs 2030”**

Jember, September 28-29, 2024



**DEPARTMENT OF ANIMAL SCIENCE
POLITEKNIK NEGERI JEMBER
2024**

ANIMPRO: CONFERENCE OF APPLIED ANIMAL SCIENCE PROCEEDING SERIES

**“Integration of Environmental Friendly Applied Livestock Technology Towards
SDGs 2030”**

Jember, September 28-29, 2024

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OPENING SPEECH

Praise and gratitude be to God Almighty, for it is by His grace and blessings that the entire series of events for the 5th National Conference of Applied Animal Science (N-CAAS) 2024 has been successfully carried out. Peace and blessings be upon our Prophet, Muhammad SAW.

The N-CAAS is an annual event organized by the Department of Animal Husbandry at Politeknik Negeri Jember and is also part of the 36th anniversary celebration of Politeknik Negeri Jember. In its fifth year, the N-CAAS adopts the theme “Integration of Environmentally Friendly Applied Livestock Technology Towards SDGs 2030.” This theme highlights the importance of environmentally friendly livestock technology in supporting the achievement of the Sustainable Development Goals (SDGs) by 2030. The SDGs represent a global commitment to sustainable well-being for all of humanity, with the agro-food sector, particularly livestock, playing a crucial role in achieving several key targets.

The entire series of N-CAAS activities was held on Saturday, September 28, 2024, comprising two sessions: the plenary session and the parallel session. These activities were conducted in a hybrid format, with on-site events at the Vocational Auditorium of Politeknik Negeri Jember and online events via the Zoom Meeting platform.

The plenary session featured distinguished speakers from both domestic and international backgrounds. We extend our deepest gratitude to the following speakers:

1. Abigeil J. Carpenter, Ph.D. – Lecturer from Iowa State University, USA
2. Prof. Dr. Ir. Ujang Suryadi, MP., IPM. – Lecturer from the Poultry Agribusiness Study Program, Politeknik Negeri Jember
3. drh. Sugiyarto, M.Si. – Head of the Department of Environment, Jember Regency, East Java Province
4. Ir. Hieronymus Darmawan Rahardja – Senior Consultant in Livestock

We also express our appreciation to all authors who submitted and presented their articles during the parallel session of N-CAAS. A total of 34 articles were

accepted, originating from various universities and institutions in Indonesia, including:

- Politeknik Negeri Jember
- Universitas Jember
- Universitas Gadjah Mada
- Universitas Sebelas Maret
- Universitas Padjadjaran
- Institut Pertanian Bogor
- Universitas Hasanuddin
- Universitas Jambi
- Badan Riset dan Inovasi Nasional
- Dinas Pertanian dan Pangan Kabupaten Kulon Progo
- Loka Penelitian Sapi Potong Grati
- Politeknik Pertanian Negeri Pangkajene Kepulauan
- STIKES Surya Global
- Universitas Islam Kalimantan Muhammad Arsyad Al Banjari Banjarmasin
- Universitas Katolik Indonesia Santu Paulus Ruteng
- Universitas Muhammadiyah Karanganyar
- Universitas Nahdlatul Ulama Blitar
- Universitas Perjuangan Tasikmalaya
- Universitas Sains Islam Al Mawaddah Warrahmah

All articles underwent a thorough review process by the N-CAAS review team and were presented during the conference. These articles will be published in the N-CAAS proceedings titled ANIMPRO: Conference of Applied Science Proceeding Series.

We also extend our heartfelt thanks to the entire N-CAAS 2024 committee, particularly the proceedings and review teams, who have worked diligently to compile the ANIMPRO proceedings. Special thanks also go to the speakers, presenters, moderators, and all sponsors, including the Journal of Applied Animal Science, Livestock Production Laboratory, Feed Technology Laboratory, and the Department of Animal Husbandry's Canteen, as well as all parties who contributed to the success of this event, whose names we cannot mention individually.

Finally, we apologize for any shortcomings or inconveniences encountered during the organization of N-CAAS 2024. We sincerely hope that this event, along with the proceedings ANIMPRO: Conference of Applied Science Proceeding Series, will be well-received and provide broad benefits to all readers and stakeholders.

Jember, September 28, 2024
Chairman of the Organizing Committee,

Niati Ningsih, S.Pt., M.Sc.

ANIMPRO: CONFERENCE OF APPLIED ANIMAL SCIENCE PROCEEDING SERIES

CONTENTS

OPENING SPEECH	i
CONTENTS	iv
The effect of using different storage methods on the quality of corn silage at PT. Agrijaya Prima Sukses. M. Daniel Zainuris, Rizki Amalia Nurfitriani, Theo Mahiseta Syahniar, Niswatin Hasanah	1
Post-mortem and evaluation of qurban livestock in Progo Watershed, D.I. Yogyakarta. Joko Purwoko, Yudhi Ratna Nugraheni, Joko Prastowo, Sarwo Edy Wibowo, Bariana Widitia Astuti, Nur Muhamad, Aan Awaludin	7
Validation test of room temperature resistant nano-flavonoid spermatozoa diluent formula. Yeni Widyaningrum, Shobihatul Fitriya, Dicky M Dikman.....	18
In vitro digestibility of dry and organic matter of chicory waste fermentation. Syamsul Maarif, Ummul Masir, Jumatriatikah Hadrawi, Rahma Fitriastuti.....	28
Accuration ratio of Simmental and Limousin cattle body weight estimation based on formula to actual body weight. Satria Budi Kusuma, Win Ariani Novianingsih, Dyah Laksito Rukmi, Nurkholis, Adib Norma Respati, Herlina Irawati Permadi.....	36
Potential of eggshell waste as a calcium source for feed additives in layer chickens. Gayuh Syaikhullah, Aryanti Candra Dewi, Himmatul Khasanah, Listya Purnamasari, Nurul Pratiwi.....	42
The effect of lighting on the productivity of rice grain green fodder at different seed desities. Annisa Hakim, Tera Fit Rayani, Yasinta Septiari, Gilang Ayuningtyas, Ratih Kemala Dewi.....	49
Effect of using banana stem liquid protected soybean meal on the performance of etawa crossbreed goats. Basri, Fitriana Akhsan	57
The influence of housing type on broiler chicken production in Biting village of Jember Regency. Mohammad Hamdani Gojali, Himmatul Khasanah, Desy Cahya Widianingrum, Roni Yulianto	61
The correlation between lactation period and milk production of Friesian Holstein crossbred cows at UPT PT and HMT Batu. Agung Putro Pamungkas, Muhammad Adhyatma.....	67

- Evaluation of good farming practice for beef cattle farming in Lamongan cattle - East Java.** Niswatin Hasanah, Alditya Putri Yulinarsari, Agung Izzulhaq, Nining Haryuni 72
- A study on the adulteration of animal feed ingredients at various contamination levels.** Aan Andri Yano, Pradisya Halimatu Sa'diah, Miftakhul Mubin, Zahra Mauliya Farah Dinah. 83
- Number of leukocytes and deferential leukocytes of Mojosari ducks with the addition of oil from mujair fish waste and phytobiotics of noni fruit extract through feed media.** Fadillah Marsudi, Hellen Aprilia Mayasinta, Choirdinia Firdausi Nuzula, Wanda Hanum Meylani, Muhammad Ilham El-Azka, Dharwin Siswantoro, Niati Ningsih 92
- Effect of different levels of local microorganisms and fermentation duration on the physical quality of corn cob.** Wati, Fitriana Akhsan, Ummul Masir, Jumatriatika Hadrawi, Basri 97
- The implications of N, P manure and its effect to the Odot Grass production (*Pennisetum purpurium Cv. Mott*).** Roni Yulianto, Rahmat Ubaidilah 107
- Reproductive performance of laying quail at sexual maturity fed okra waste flour as a source of natural antioxidants kept in the different cage temperature.** Mohammad Imam Hoiri, Aradia Arfandi, Aprileo Indra Kurniawan, Mohamad Ghazi Virgiawan, Ahmad Adi Firmansyah, Rosa Tri Hertamawati 116
- The effect of nano zinc dietary supplementation on feed efficiency of KUB chickens.** Nova Hidayati Diyah Larasati, Nanung Danar Dono, Bambang Ariyadi 123
- Semen quality of young Friesian Holstein dairy cattle (case study of young dairy cattle).** St. Zaqiya Darajat, Muhammad Yusuf, Hasbi..... 130
- Correlation of temperature and humidity with milk production levels on different cage height.** Niswatin Hasanah, Alditya Putri Yulinarsari. Moch. Ardiyan Sakbana Ramadhan 139
- A measurement of the particle size of calcium lactate extracted from chicken eggshells using the precipitation technique with the Scherrer equation approach.** Agus Hadi Prayitno, Edi Suryanto, Rusman 147
- Feeding management strategies in the sugarcane-cattle integration system: a case study of the Mardikismo farmers group in Lumajang Regency.** Alif Shabira Putri, Noor Hudhia Krishna, Yenny Nur Anggraeny, Mochammad Chanafi, Mariyono..... 152
- The effect of cashew apple substitution on the organoleptic quality of native chicken floss.** Ramadhana Santoso, Aryanti Candra Dewi, Agus Hadi Prayaitno, Hariadi Subagja, Merry Muspita Dyah Utami, Gayuh Syaikhullah 159
- Production performance of Etawa crossbred goats fed silage.** Muhammad Aji Maulana, Satria Budi Kusuma, Niati Ningsih, Alditya Putri Yulinarsari, Nur Muhamad, Amal Bahariawan, dan Suci Wulandari 168
- Estimation of ripitability and MPPA of calving interval in Friesian Holstein cattle.** Awin Pinasthika, Sumadi, Tety Hartatik, Adib Norma Respati, Niati Ningsih..... 175

Evaluation and analysis of layer chicken farm production seen from differences in feed composition in people's farms in Banyuurip Village, Tulungagung Regency, East Java. Muhammad Daffa Arbiantara, Desy Cahya Widianingrum	179
Empowerment model of livestock farmer groups by way of biogas utilization program in Boyolali Regency. Ina Nurtanti, Ardian Ozzy Wianto, Havid Iskandar.....	186
Effect of feeding filtrate of fermented snail (<i>Achatina fulica</i>) on super native chicken performance. Faris Hasan, Ujang Suryadi	197
Analysis of business development strategy for native chicken farming (case study of Kapas Farm in Jember Regency). Dafoar Angella Wahyu Arti, Anang Febri Prasetyo, Hariadi Subagja, Dharwin Siswanto	204