

PROCEEDINGS

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The 1st International Seminar on Sustainable Ruminant and Poultry Production in the Tropics

**“The Demand for Welfare and Sustainable
Ruminant and Poultry Production for Food
Sovereignty During Covid-19 Pandemic ”**



Semarang-Indonesia, Thursday, 21st of October 2021

Jointly organized by



Faculty of Animal and Agriculture Science



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PREFACE
VICE RECTOR OF DIPONEGORO UNIVERSITY
PROF. DR. IR. AMBARIYANTO, M.SC.

Assalamualaikum Wr. Wb.

Keynote speakers, Distinguished participants, Ladies and Gentlemen,

It gives me a great pleasure to extend to you all my warmest welcome on behalf of Diponegoro University and to say how honored we are to have your presence here at **International Seminar on Sustainable Ruminant and Poultry Production in The Tropics**. This conference has been organized by the Department of Animal Sciences.

There is broad scientific consensus that human activity including in the agriculture sector is now contributing significantly to this phenomenon of climate change. Both the rate of current change, and its impact, are reflective of human activity and the production of greenhouse gases. The United Nation's Intergovernmental Panel on Climate Change (IPCC) has reported that warming of the climate system is now 'unequivocal'. Climate change is predicted to impact food supply and the geographical distribution and spread of diseases and interfere the animal welfare.

Therefore, I on behalf of Diponegoro University, am deeply honored for the privilege to host this International Conference. I believe that this conference will be a good place to share your recent discoveries in your respective fields, to build partnership, so that we can move closer to answer the challenge related to livestock sector in environmental and animal welfare issue.

I would like to congratulate the committee for a job well done preparing this seminar. My special gratitude goes to keynote speakers, all participants, sponsors and all other parties who supported this event.

Finally, this is an opportune time for me to declare the official opening of the **International Seminar on Sustainable Ruminant and Poultry Production in The Tropics**.

Wassalamualaikum Wr. Wb.

PREFACE
DEAN OF FACULTY OF ANIMAL AND AGRICULTURAL
SCIENCES,
DIPONEGORO UNIVERSITY
Prof. Dr. Ir. BAMBANG WALUYO HADI EKO PRASETIYONO,
M.S., M.Agr., IPU.

Assalamualaikum Wr. Wb.

Keynote speakers, Distinguished participants, Ladies and Gentlemen,

The role of agriculture in the production of greenhouse gases is complex; livestock production contributes through the green house gases. An increasing global population is creating an increased demand for livestock production for sources of income, protein and other resources. Academicians, scientists and stakeholders related play an essential role in ensuring that this demand for food security does not negatively impact animal health and welfare. Climate change leads to more extreme weather events such as droughts and increased incidence of natural disasters such as bushfires and floods, which can all significantly impact animal welfare.

It is an opportunity for every stakeholder to share their ideas through knowledge exchange while also strengthening and broadening their networks. This seminar hopefully can help us working together in championing the best efforts that we can contribute to the sustainable development agenda.

Moreover, we would like to express our gratitude and appreciation to all partners, i.e. the committee, speakers, and presenters, and all participants who have been participated in the **International Seminar on Sustainable Ruminant and Poultry Production in The Tropics**. May the conference be beneficial to us all, and we hope for your enjoyable time during this time.

Wassalamualaikum Wr. Wb.

PREFACE
CHAIRPERSON
Dr. ARI PRIMA

Assalamualaikum Wr. Wb.

*Rector of Diponegoro University, on this moment represented by the vice-rector
Prof. Dr. Ir. Ambariyanto, M.Sc.*

*Dr. Ir. Bambang Waluyo Hadi Eko Prasetyono, Dean of Faculty of Animal and
Agricultural Sciences, Diponegoro University*

*Distinguished guests, speakers, and all participants of the **International Seminar on Sustainable Ruminant and Poultry Production in The Tropics (ISSRP)**, I am very happy to welcome you all at this conference today, 21th October 2021. The seminar has been honored by the attendance of 4 keynote speakers: Japan, Pakistan, Philipine, and Indonesia.*

Due to Pandemic Covid-19, the 1st seminar ISSRP will be arranged as an online seminar with the topic “The Demand of Welfare and Sustainable Ruminant and Poultry Production for Sovereignty During Covid-19 Pandemic”.

This topic is related to the current condition is the fast-growing global population is undoubtedly one of the biggest challenges that the human race is facing food security. Climate change and welfare issues have been a challenge for livestock production. On the other hand, the current global pandemic has indicated another challenge by limiting food distribution. Furthermore, we hope that this seminar can be a place for experts in sustainable ruminant and poultry production to share knowledge and work in the field about how to fulfill the demand of welfare and sustainable ruminant and poultry production for sovereignty during a covid-19 pandemic. Nonetheless will be held online, I hope this seminar will be an active interaction between participants with the presenter.

Last but not least, I thank all of the colleagues, organizing committee, student technical committee and all parties who have worked hard to make the **International Seminar on Sustainable Ruminant and Poultry Production in The Tropics** possible.

Wassalamualaikum Wr. Wb.

TABLE OF CONTENTS

Preface Vice Rector of Diponegoro University.....	ii
Preface Dean of Faculty of Animal and Agricultural Sciences, Diponegoro University.....	iii
Preface Chairperson.....	iv

POULTRY PRODUCTION, NUTRITION AND FEED TECHNOLOGY

Organochlorine pesticides and cadmium residues in commercial feeds and edible tissues with implication to food safety and productivity <i>R S A Vega, C B Adiova, D Samsudewa, A Gargarino, D D Manalo and D Anggraeni.....</i>	1
Omics applications in animal nutrition-infection study: a short overview <i>S Sugiharto and S Ranjitkar.....</i>	14
Feeding of combination inulin and <i>Lactobacillus acidophilus</i> in feed containing microparticle protein on jejunal condition of broiler chicken <i>L Krismiyanto, N Suthama, B Sukanto, V D Yunianto, I Mangisah, F Wahyono, Mulyono and D. Solekhah.....</i>	20
Feeding of inulin, papain enzyme, and combination in ration containing of protein and calcium microparticles source on passage of rate and crude fiber intake <i>M H Hudiono, V D Yunianto and L Krismiyanto.....</i>	30
Feeding microparticle protein source-composed diet supplemented with prebiotic on body resistance and growth performance of broiler <i>N Suthama, B Sukanto, I Mangisah and L Krismiyanto.....</i>	36
The effect of adding palm kernel extract in feed containing microparticle protein on fat absorption and meat quality in chicken broiler <i>A Amanusa, V D Yunianto and L Krismiyanto.....</i>	53
Effect of <i>Indigofera</i> sp. leaf extract supplementation on sodium chloride diluter to the semen quality of native rooster <i>D Samsudewa, S A Setiautama, D A P Astutik, V N Salma, P Lestari, L A Wibowo and A W A Alvarez.....</i>	60
The relationship of altitude closed house location between weight and mortality on broiler <i>Nurfaizin and A Setiaji.....</i>	67
Consumer preferences of purchasing “ayam geprek” products using online transportation services during the Covid-19 pandemic <i>A P Adiningsih, R Widiati, S Andarwati and T A Kusumastuti.....</i>	72
Profitability of sentul terseleksi (Sensi-1 agrinak) superior local chicken business <i>F R Prasetyo H, D Sunarti, T Yudiarti and S Sumarsih.....</i>	79

Physicochemical characteristics of rotted rice fermented with <i>Saccharomyces</i> sp and <i>Lactobacillus</i> sp based starters <i>B Sulistiyanto, C S Utama and S Sumarsih</i>	89
The organoleptic and chemical characteristic of black potato tubers mixed <i>Lactobacillus plantarum</i> as a synbiotics for duck <i>S Sumarsih, C S Utama and E Fuskhah</i>	95
RUMINANT PRODUCTION, NUTRITION AND FEED TECHNOLOGY, REPRODUCTION AND LIVESTOCK ENVIRONMENT ISSUE	
Correlation of udder volume and teat size with milk production of Holstein Friesian cows at lactation periods 1 - 6 (Case study at Capita Farm, Semarang, Central Java) <i>R Hartanto, A A Pamungkas, E Prayitno, A Prima and D W Harjanti</i>	100
Total digestible nutrients intake recommendation for controlling carcass fat on Kejobong goats <i>F Nabila, V Restitrisnani, R Adiwinarti and A Purnomoadi</i>	106
In vitro: the increase of the quality of sakura block as a dietary supplement to increase the concentration branched volatile fatty acids (BCVFA) and total bacteria <i>J Jarmuji, L Warly, M Zain and Khasrad</i>	109
Butyric acid and ammonia content of Napier grass silage at different cutting age and level of additive <i>Surono, M. Sejono and S P S Budhi</i>	119
Evaluation of organoleptic characteristics and pH of silage <i>Indigofera</i> sp. combined with green <i>Zea mays</i> and <i>Pennisetum purpureum</i> cv. mott grass with additional lactic acid bacteria for ruminant feed <i>V K Berliyanti, R I Pujangingsih and B I M Tampoebolon</i>	125
The biological quality of multivitamins blocks with the addition of green betel leaf juice in terms of feed intake and digestibility in Jawarandu goats <i>S Mukodiningsih, E Pangestu, D M Rivaldy and R I Pujaningsih</i>	131
Comparative gut microbiota analysis of industrially polluted and cleaner regions <i>N S Pandupuspitasari, F A Khan, B W H E Prasetyono, A Muktiani and Widiyanto</i>	142
Evaluation of breeder preferences on reproduction aspects of Ongole crossbreed in the breeding area of Rembang regency <i>A Indahwati, E K Kurnianto, E T Setiatin and D Samsudewa</i>	152
Analysis Indonesia government policy on mitigation and adaptation of climate change in the livestock sector <i>A Prima, E Prayitno, D W Harjanti, R Hartanto, D Koubodana and M Mumtaz</i>	159