

PROGRAM AND ABSTRACT BOOK

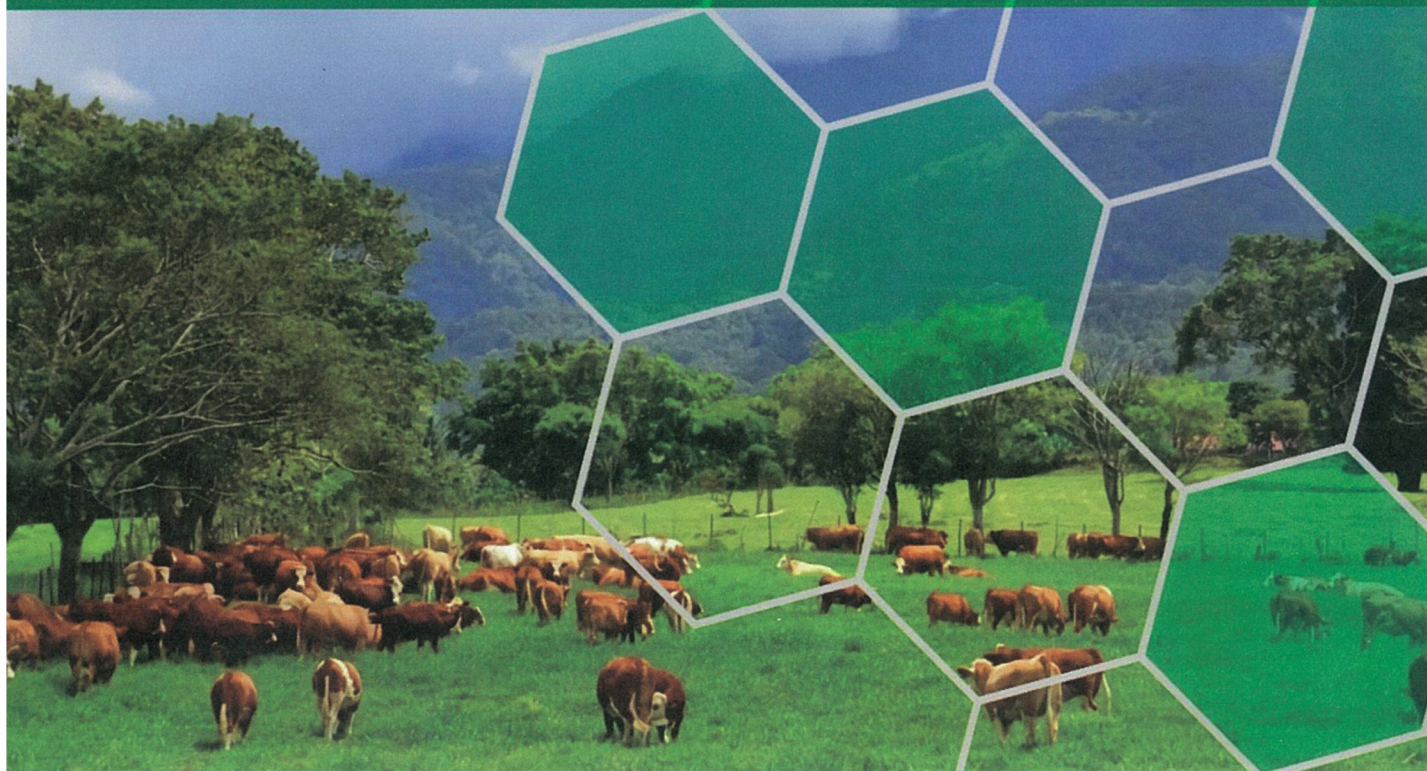


INTERNATIONAL CONFERENCE

6th SAADC 2017

Conference on Sustainable Animal Agriculture for Developing Countries

**"WISDOM OF USING LOCAL RESOURCES FOR DEVELOPMENT OF
SUSTAINABLE ANIMAL PRODUCTION IN DEVELOPING COUNTRIES"**



The Singhasari Resort, Batu City, Indonesia, October 16-19, 2017

Jointly organized by



Faculty of Animal Husbandry
Brawijaya University Indonesia



Institute of Tropical Agriculture
and Food Security



ANIMAL
PRODUCTION
SCIENCE



PROGRAM AND ABSTRACT BOOK
of
The 6th International Conference on
Sustainable Animal Agriculture for Developing Countries
(SAADC 2017)

October 16-19, 2017
The Singhasari Resort, Batu City, Indonesia

Organized by:



Faculty of Animal Husbandry, Brawijaya University, Indonesia

In Collaboration with:



Institute of Tropical Agriculture and Food Security, Universiti Putra Malaysia, Malaysia



Australia's Aid Program, Department of Foreign Affairs and Trade, Australian Government



Animal Production Science Journal, The Commonwealth Scientific and Industrial Research Organization (CSIRO)

Message from the Chairman of the 6th SAADC Conference

Dear all,

It is my privilege to welcome you all to this event. My sincere gratitude also goes to all of you for your enthusiasm in participating at this 6th International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC).

More than 200 papers from 16 countries have been received by the organizing committee and are going to be presented and discussed in this event. These will certainly enrich the body of our knowledge and understanding about various aspects related to animal agriculture. In addition, the papers are also reflecting responsiveness of animal scientist from various countries in promoting sustainability of animal agriculture for the prosperity of the never ending generations.

Apart from academic activities in the form of sharing research findings, this event is also prepared to include informal programmes showcasing the beauty of Malang area as well as facilitating the establishment of stronger interactions among participants that may lead to future fruitful networking.

Our special thanks are goes to the SAADC President for his confidence to our Universitas Brawijaya to organize this prestigious conference. Also, congratulation that SAADC is now listed in the International Congress and Conference Association (ICCA) based on its quality and consistent activities.

I also wish to thank all partners and sponsors for their support. To colleague members of the organizing committee, please accept my deep appreciation for your hard working in ensuring the success of this event.

Yours Sincerely,



Prof. Ifar Subagiyo
Chairman
6th International Conference SAADC
Malang, 16 October 2017

Message from President SAADC International Advisory Committee

Ladies and Gentlemen,

First and foremost, I would like to thank the organizing committee of the 6th International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC2017) for inviting me to pen a few words in this souvenir programme.

I am pleased to inform you that Sustainable Animal Agriculture for Developing Countries (SAADC) has been listed in the International Congress and Conference Association (ICCA). The recognition by the ICCA reflects the quality and consistency of this series of conference since the inaugural SAADC2007 hosted by the Yunnan Agricultural University in Kunming, China. I want to take this opportunity to once again congratulate and thank the organizers of all the previous and the present SAADC for their excellent efforts in making SAADC an internationally renowned event.

The primary objective of SAADC is to provide a platform for animal scientists and producers especially from the developing countries to share experiences and establishing networking to promote sustainable animal agriculture in our respective countries. This week, we are here again to share our research findings and ideas for promotion of sustainable animal agriculture. I congratulate the organizing committee for their hard work throughout the last two years to make it possible for us to meet in this beautiful resort-venue in Indonesia. I would like to thank members of the SAADC2017 International Advisory Committee and the SAADC2017 in-house editors for their input and hard work to support the local organizing committee of this conference. Special thanks go to Professor Wayne Bryden (editor-in-chief) and his team for their help to create the SAADC2017-APS special issue in the journal of *Animal Production Science* for publication of selected papers presented by the participants of this conference. We are grateful to the grant provided by ACIAR, Australia to support young researchers from the developing countries to attend this conference.

Most of all, I thank each and every one of you for your participation in making this conference a great success. I would like to encourage all participants, particularly the younger ones to take this opportunity to make new friends and to create new opportunities to foster cooperation towards promotion and enhancement of sustainable animal agriculture in our respective countries.

Yours sincerely,



Dr Juan Boo Liang
President
SAADC International Advisory Committee
16 October 2017

Message from the Dean of Faculty of Animal Husbandry, Brawijaya University

Ladies and Gentlemen

It is my great honor to welcome all of participants to attend the 6th Sustainable Animal Agriculture for Developing Countries (SAADC) conference which held at Faculty of Animal Husbandry, Brawijaya University Indonesia during 16-19 October 2017. On behalf of Faculty of Animal Husbandry, Brawijaya University, I would like to welcome about 250 participants from 16 countries to participate at the conference. The principal objective of the SAADC 2017 is to provide a scientific forum for junior and senior animal scientists and producers, and administrators of livestock related agencies, particularly from the developing countries, to share their experiences, discuss issues and suggest recommendations to develop further a more sustainable livestock production in their respective countries.

The 6th SAADC 2017 is organized by Faculty of Animal Husbandry, Brawijaya University, Indonesia in collaboration with

1. Institute of Tropical Agriculture and Food Security, Universiti Putra Malaysia, Malaysia
2. Australia's Aid Program, Department of Foreign Affairs and Trade, Australian Government
3. Animal Production Science Journal, The Commonwealth Scientific and Industrial Research Organization (CSIRO), Australia

Deeply thanks also for the international committees who have given trust to the Faculty of Animal Husbandry Brawijaya University to be host of SAADC 2017. I hope this conference would improve our international cooperation network in the field of animal husbandry.

All sponsors are highly appreciated to make the conference more successful. Last but not least, all partners who contributed to this conference are deeply thanks without your fully supports this conference would never be accomplished.

With best wishes



Prof. Dr.Sc.Agr. Ir. Suyadi, MS
Dean Faculty of Animal Husbandry, Brawijaya University
Malang, 16 October 2017

About the Conference

Conference Name

The 6th International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC 2017)

Themes

Wisdom of Using Local Resources for Development of Sustainable Animal Production in Developing Countries

Chairman

Prof. Dr. Ir. Ifar Subagiyo, M.Agr.St.
(Faculty of Animal Husbandry, Brawijaya University, Indonesia)

Date

October 16-19, 2017

Venue

The Singhasari Resort, Batu City, Indonesia
<http://www.thesinghasari.com/>

Official Website

<http://saadc2017.ub.ac.id>

Organized by:

Faculty of Animal Husbandry, Brawijaya University, Indonesia

In collaboration with:

- Institute of Tropical Agriculture and Food Security, Universiti Putra Malaysia, Malaysia
- Australian Government, Department of Foreign Affairs and Trade, Australia's Aid Program
- Animal Production Science Journal, The Commonwealth Scientific and Industrial Research Organization (CSIRO)

Secretariat Contact

Faculty of Animal Husbandry, Brawijaya University, Malang, Indonesia
Telephone +62 341 553513
Mobile/Line/WA: +62 857 076 327 91
E-mail: saadc2017@ub.ac.id

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Dita Anggraini Djumari, S.Kom

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The socio-economic creativity effect of livestock operations on dual production geographically under small-scale peasant in Weda, Halmahera, Indonesia.

J. C. Loing, A. Aiba, B. Rorimpandey and L. Kalangi
Department of Social Economic of Animal Husbandary Faculty,
Sam Ratulangi University, Manado, Indonesia
Corresponding author: jeanecattyloing@yahoo.com

Abstract

The objective study were to characterize low-income livestock production system, powered by the farmer creativity to have the value added income by forming another income beside cattle as the livestock production System. Purposive random sampling were used to select two geographically place namely highland and near coastal land. From 520 sample 52 respondents were selected as cow farmers. Interview schedulels were used from them. A descriptive analysis of the data showed that the socio economic creativity of farmers resulted the adding value of the income on the productive age of them. They got income from the livestock production, the creativity of farmers contributed additional household income to increase socio economic benefits.

Keywords: *geographically, creativity, value added, socio-economic*

Session 1 Paralell 3 - Socio Economic 1		Room: Ranggawuni
Chairman: Dr. Kiran Dande (India)		
Co-chairman: Femi Elly (Indonesia)		
13.30-14.00	Invited Speaker	Dr. Kiran Dande (India) Symbiotic relationship and sustainable agriculture
14.00-14.12	SE-711	Business status of small-scale pig farming in rural areas of Cambodia under a decrease of the pig sales price
14.12-14.24	SE-706	Forage introduction to support development of cattle in Sangkub District
14.24-14.36	SE-710	The socio-economic creativity effect of livestock operations on dual production geographically under small-scale peasant in Weda, Halmahera, Indonesia
14.36-14.48	SE-721	The analysis on income of beef cattle breeders in various crop patterns in Umbulsari District, Jember Regency
14.48-15.00	SE-718	Accessibility of farmers toward resources of broiler livestock farming with use partnership system in Malang Regency

Session 1 Parallel 4 - Non Ruminant Nutrition 1		Room: Tohjaya
Chairman: Dr. Osfar Sjöfjan (Indonesia)		
Co-chairman: Rikimaru (Japan)		
13.30-13.42	ANF-274	Effect of prebiotic and Immunowall® as feed additive in enzyme activity, intestinal characteristic, and broiler performance
13.42-13.54	ANF-226	Effects of dietary β -1,4-Mannobiose on the growth performance and productivity of Hinai-jidori chicken (slow-growing Japanese meat-type chicken)
13.54-14.06	ANF-272	Organoleptic characteristics of egg laid by local hens fed fish oil as source long chain fatty acids in diets
14.06-14.18	ANF-234	Effects of aflatoxins levels in the diet on aflatoxins residues in the liver, meat, and egg of laying duck
14.18-14.30	ANF-201	Feeding microparticle protein-composed diet on protease activity and protein utilization in chickens
14.30-13.42	ANF-205	Dietary inclusion of carrot (<i>Daucus carota</i> L) waste meal on performance and egg quality of laying hens after peak egg production

15.00-15.15	Coffee breaks
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