INTERNATIONAL FISHERIES SYMPOSIUM
-IFS 2017-
BOOK OF ABSTRACTS

Projecting ASEAN FEN-Plus for Sustainable Aquaculture, Fisheries and Aquatic Ecosystem
Batu City, Indonesia, November 07-09, 2017

On behalf of the Local Organizing Committee, we are delighted and honoured to host ASEAN-FEN, International Fisheries Symposium 2017 to be held from 7 – 9th November 2017 in Malang, Indonesia. The theme echoes the urgent call for “Projecting ASEAN FEN-Plus for Sustainable Aquaculture, Fisheries and Aquatic Ecosystem.”

We are honored to have outstanding speakers from around the world: Belgium, Japan, China, and Indonesia. More than four hundred participants from eleven countries participate in this symposium. They are an expert in their scientific area to support the success for the symposium goal.

I hope all participants will find the conference, including the keynote speakers, the technical sessions and other program events educational, interesting and inspiring to develop better world through the contribution of fisheries and marine.

My thanks to go out to the board of ASEAN FEN, keynote speakers, International scientific reviewers, International and local committee of IFS 2017 and all participants who have helped to make this symposium success.

I am sure you will have fruitful and rewarding scientific knowledge exchanges in the next few days. I wish you every success with this important symposium and I look forward to learning about the outcome.

Warm Regards,

Dr.Sc. Asep Awaludin Prihanto, S.Pi., MP.
Chief of ASEAN FEN, IFS 2017 Local Committee
Faculty of Fisheries and Marine Science,
Brawijaya University, Malang, Indonesia
WELCOMING REMARKS

BY THE RECTOR BRAWIJAYA OF UNIVERSITY

Your Excellency Board members of ASEAN-FEN, Excellency Core member of ASEAN-FEN, Excellency Associate member of ASEAN-FEN, Invited keynote speaker of IFS 2017, Ladies and gentlemen,

I would like to thank the International and local committee of IFS 2017, and to thank the eminent representatives of ASEAN FEN members to join us in this opportunity.

There is no doubt that this is an important symposium meeting in ASEAN FEN annual agenda for the development of fisheries and marine science. This is perhaps the biggest, the most complete and comprehensive event for discussing the fisheries and marine issues in the region of ASEAN. The IFS agenda was so universal, ambitious and potentially transformative in regards of fisheries and marine research. It was born out of a multi-discipline researches that will build on the legacy of the MDGs and taking the next step forward to sustainable development. I through that this is the background for the theme of this symposium, Projecting ASEAN FEN-Plus for Sustainable Aquaculture, Fisheries and Aquatic Ecosystem.

Innovative and creative ideas are worth most when they are rooted in evidence, science and data. This year’s symposium included a multy session of discussion of scientists, academics, and technical experts in fisheries and marine science together with several policy makers for strengthening the research and development in sustainable Aquaculture, Fisheries and Aquatic Ecosystem. This is something that we in the academic institution must support.

We hope that this symposium will be the beginning of a mutually beneficial collaboration between researchers, institutions and stakeholders in fisheries and marine development. I am honoured to be here at this important meeting, and I look forward to the productive discussion to come.

I wish you all the best

Prof. Dr. Ir. Mohammad Bisri, MS
Rector of University of Brawijaya
SYMPOSIUM OVERVIEW

The ASEAN-FEN is a team of university-based consortia representing the fisheries and aquaculture oriented institutions within Southeast Asia. The ASEAN-FEN is established by agreement of its nine core members for the purpose of supporting and enhancing fisheries and aquaculture through education, research, and public outreach. The main objective of ASEAN-FEN is to support and facilitate the activities of educators, scientists, and responding to local, regional, national, and international issues on fisheries and aquaculture.

ASEAN FEN annually held an International Fisheries symposium called ASEAN-FEN, IFS. This year, the seventh international fisheries symposium (IFS-2017) will be held in Batu City, Indonesia, from November 7 – 9th, 2017 hosted by University of Brawijaya (UB). The theme of this symposium is “Projecting ASEAN FEN Plus for Supporting Sustainable Aquaculture, Fisheries and Aquatic Ecosystems”, this symposium will focus on the advanced innovation as well as to address the newly emerged issues in aquaculture, fisheries and aquatic ecosystems for the synergies between socioeconomic development and protecting natural resources and the environment.

Many scientific issue will be presented, discussed and disseminate in this symposium. They are categorized in fourteen sub-thema:
- Aquaculture industry and best practices
- Aquaculture engineering
- Aquatic animal nutrition and physiology
- Aquatic animal health management
- Sustainable fisheries and management
- Genetic for aquaculture and fisheries
- Aquatic resources, biodiversity and environment
- Seafood processing technology, and marketing
- Seafood safety and security
- Fisheries community management
- Fisheries Economic
- Climate change on aquaculture and fisheries
- Fisheries and aquatic ecosystems related biotechnology
- Other fisheries and aquatic ecosystem related themes
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POVERTY ELIMINATION CONCEPT AT THE COASTAL AREA OF SURABAYA USING SUSTAINABLE LIVELIHOOD APPROACH

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Multidimensional poverty has become trade mark in the community life of coastal area society, including people living around Surabaya beaches. Surabaya Fishermen are people with low level of prosperity in terms of economic, social, and environmental aspects; therefore, this research aims to formulate certain concept which is based on sustainable livelihood approach to eliminate the poverty at the coastal area of Surabaya city. This approach views poverty through five living capitals: human capital, natural capital, social capital, physical capital, and financial capital.

This research uses rationalistic approach with explorative, descriptive, and prescriptive qualitative inquiry. The method for primary data collection is Participatory Poverty Assessments (PPA) method, and secondary data collection are through institution survey and literature survey. The samples are collected using purposive sampling technique. The data are then analyzed using content analysis, statistics descriptive analysis, and delphi analysis.

This research is expected to be able to create sustainable livelihood at the coastal area of Surabaya, successfully measure the level and typology of poverty there based on sustainable livelihood approach, and identify the factors that cause the poverty based on the approach. From the three findings above, a concept to overcome poverty at the coastal area of Surabaya shall then be formulated based on sustainable livelihood approach.

Keywords: Poverty, Coastal Area, Sustainable Livelihood Approach