



# ICMACES



## International Conference on Marine and Coastal Engineering and Sciences 2019

August 23 - 24, 2019  
Emersia Hotel Lampung, Indonesia

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## Conference Agenda of ICMACES, August 23<sup>nd</sup> 2019

Time	Acitivity
08.00 08.30	Registration
08.30 09.15	Opening Session welcome remarks Warsono, Ph.D (LPPM University of Lampung)) Prof. Dr. Ir. Hasriadi Mat Akin, M.P. (Rector University of Lampung) MC: Haifa FawwazAtmaya
09.15 09.45	<b>Prof. RyoheiKada, Ph.D. (SijonawateGakuen University, Japan)</b> <i>Social Empowering for Natural Disaster Ris</i>
09.45 10.15	<b>Prof. Warsito, S.Si., DEA, Ph.D. (Education Attache at Embassy of RI in Paris)</b> <i>Early Warning System for Natural Disaster</i>
10.15 10.45	<b>Prof. Dr. Normawaty Mohammad Noor, M.Sc</b> <b>(International Islamic University of Malaysia)</b> <i>Harmful Algal Blooms: A Malaysian Scenario</i>
10.45 11.15	<b>Prof. Dr. RokhminDahuri, M.Sc. (Indonesian Aquaculture Society)</b> <i>Sustainable Mariculture</i>
11.15 13.30	<b>LUNCH BREAK (Jumat Prayer)</b>
13.30 14.00	<b>Prof. Dr. Takahiro Sayama (Kyoto University, Japan)</b> <i>Less on to Learn to Hydrology Flood Mapping of Batang Hari of Riverbasin</i>
14.00 14.30	<b>Prof. Dr. Mustofa Usman, M.A.</b> <b>(Dean of Graduate School University of Lampung)</b> <i>Applied Statistical Analysis for Marine and oastal Studies</i>

### Plenary Session

Time	Title	Presenter
14.30 15.10  <b>Moderator</b> <b>Dr.</b> <b>MelyaRiniarti</b>	Artificial Light Colours Could Increase Growth and Valuable Fatty Acid of <i>Nitzschia</i> sp. (Bacillariophyceae)	<b>DiahNoerdjito</b> and <b>DiahNoerdjito</b>
	Utilization of By catch From Fishing and Fish ProcessingWaste as Formulated Feed Raw Materials in Silver Pompano ( <i>Trachinotusblochii lacepede</i> 1801)Gow Out	<b>Yuwana Puja</b> , <b>Tugiyono</b> , <b>Suci Antoro</b> , dan <b>IndraGumayFebryano</b>
	Protein Test on Powder <i>Nannochloropsis</i> sp. Lampung Mangrove Centre (LMC) Isolate Based on Differences of Dry Temperature	<b>Tugiyono</b> , <b>Agus Setiawan</b> , <b>Emy Rusyani</b> , <b>Destria Nuansa</b>
	Isolation and Characterization of Cellulase Producing <i>Bacillus</i> sp. From Hanura Mangrove Forests	<b>SumardiSumardi</b> , <b>Christina NugrohoEkowati</b> , <b>Salman Farisi</b> and <b>CahyaIntanListiyorini</b>
	Selection and Characterization of Mannanolytic <i>Bacillus</i> sp. From Hanura Mangrove Forests	<b>DwiEkaRahmawati</b> , <b>Christina NugrohoEkowati</b> , <b>Salman Farisi</b> and <b>SumardiSumardi</b>
	Population Of Beton Shell ( <i>DonaxFaba</i> ) At Coastal Area Of Citereup Banten, Indonesia	<b>Tati SuryatiSyamsudin</b> and <b>Indira Utami</b>
	Tidal Current Pattern in The Surrounding	<b>Ahmad Bayhaqi</b> ,



## UTILIZATION OF BYCATCH FROM FISHING AND FISH PROCESSING WASTE AS FORMULATED FEEDRAW MATERIALS IN SILVER POMPANO (*TRACHINOTUS BLOCHII* LACEPEDE 1801) GOW OUT

Yuwana Puja, Tugiyono, Suci Antoro, dan Indra Gumay Febryano

### ABSTRACT

The existence of the fisheries industry has a positive impact on regional economic development and coastal fishermen, but on the other hand it causes environmental problems, due to the resulting waste and decreasing environmental quality. In fisheries production residual waste there are still many useful nutrients that can be used, such as carbohydrates, proteins, fats, mineral salts, and can be used as raw material for grow out fish feed. This utilization can also reduce the need to import fish meal, and reduce waste. This study aims to determine the effect of feed from the bycatches of fish catching and processing on the growth of silver pompano weight. After testing for 60 days, the average weight of silver silver pompano, in Control (K), obtained the highest results of  $212.25 \pm 2.05$  g, followed by  $198.58 \pm 2.79$  g (treatment A) and  $188.83 \pm 0.38$  g (treatment B). Based on the results of the Anova analysis and Tukey's advanced test, it showed the significant difference between Control and both treatments as well as between treatment A and treatment B.

*Keywords : Waste, Formulated feed, Growth, Silver Silver pompano*



# ICMANCES

International Conference on Marine and Coastal Engineering and Sciences



THE CERTIFICATE IS PRESENTED TO

**Yuwana Puja, S.Pi.**

AS

**Presenter**

*on International Conference on Marine and Coastal Engineering and Sciences 2019*

*"Balancing Marine and Coastal Ecosystem to Support Blue Carbon and Sustainable Economic Development"*

EMERSIA HOTEL BANDAR LAMPUNG. INDONESIA

August 23 - 27, 2019



Prof. Dr. Ir. Hasriadi Mat Akin, M.P.

Rector

University of Lampung

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Warsono, Ph.D

Chairman Institute of Research Center and Co.munity  
Development University of Lampung

*Edy Ang Linirin Widiastuti*  
Edy Ang Linirin Widiastuti, Ph.D  
Chairman of the Committee