



THE 8th INTERNATIONAL AND NATIONAL SEMINAR
ON FISHERIES AND MARINE SCIENCE
UNIVERSITAS RIAU

Abstracts

**"Inland and Marine Fisheries Exploration
for Better Future Welfare"**



**12 September 2019
The Zuri Hotel
Pekanbaru - Indonesia**

Terubuk Room's Schedule

Section I

Moderator: Dr. Ir. Joko Samiadji, M.Sc

September 12, 2019

Jam: 13.00-14.50 WIB

No	Presenter	Title	Time
1	Kurmasih	Rapid Diagnostic Test of Red Sea Bream Iridoviral Disease (RSIVD), Viral Neuro Necrosis (VNN) in Grouper <i>Epinephelus</i> sp. based on serological co-agglutination and molecular study	13.00-13.10
2	F Feliatra	The Resistance of Bacteria of <i>Vibrio</i> sp. Isolated from The Dumai Sea Waters of Riau Province Against Antibiotics	13.10-13.20
3	H Syandri	Water Quality Index and Pollution Waste Load from Floating Net Cages at Lake Maninjau	13.20-13.30
4	I Suharman	Substituting Soybean Meal with Fermented Water Hyacinth Leaf Meal in Practical Diets for Juvenile Nile Tilapia, <i>Oreochromis niloticus</i>	13.30-13.40
5	Mulyadi	Optimalization of Water for Nursery and Rearing of Catfish (<i>Mystus nemurus</i> C.V)	13.40-13.50
6	N. Aryani	Utilization of Vitamin E for Gonad Maturation of Asian Catfish (<i>Hemibagrus wyckii</i> , Bagridae)	13.50-14.00
7	Sukendi	Cultivation Technology of Bronze Featherback (<i>Notopterus notopterus</i> , pallas 1769) with Stocking Density and Different Types of Feed	14.00-14.10
8	S. Nuswantoro	Effectiveness of Cold Shock (4°C) With Different Period for Tetraploid Formed in Mutiara Catfish (<i>Clarias</i> sp.) Juvenile	14.10-14.20
9	Windarti	Feeding Habit of Fish Living in the Floating Net Cage Area in the Koto Panjang Dam, Province	14.20-14.30
10	B Hasan	Potential Use of Salted Marine By catches and fish viscera meal mixture as a replacement for conventional fishmeal in the diet of Indonesian river catfish (<i>Hemibagrus nemurus</i>)	14.30-14.40
11	S Juanah	Inhibitory Test of Sialang Honey (<i>Apis dorsata</i>) on Bacterial Growth <i>Staphylococcus epidermidis</i>	14.40-14.50

Substituting soybean meal with fermented water hyacinth leaf meal in practical diets for juvenile Nile Tilapia (*Oreochromis niloticus*)

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ABSTRACT

This study was conducted to determine the feasibility of using fermented water hyacinth leaf meal (FWHM) to replace soybean meal (SBM) in practical diets for juvenile Nile tilapia. Five isonitrogenous experimental diets (approximately 30% crude protein) were formulated to contain varying levels of FWHM. FWHM substituted SBM at 0% (control diet), 10%, 20%, 30%, and 40%. Juvenile Nile tilapia (average weight of 10.35 ± 0.04 g) were randomly distributed into 15 net cages installed in earthen pond at 25 fish/net cage in triplicate treatments and fed thrice a day at the rate of 10% body weight for 56 days. There was no significant difference in weight gain, specific growth rate and feed efficiency of fish fed diets with varying level of FWHM as compared to the control diet. The study indicated that dietary FWHM could be included in the diet of juvenile Nile tilapia at 40% without a negative effect on the growth and feed utilization.

Keywords: -



Certificate

is awarded to :

Dr. Indra Suharman, S.Pi, M.Sc

Presenter

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