ABSTRACT COMPILATION
3rd KRIPIK SCIFIMAS 2019

"Sustainability of aquatic resources and environment for better life"

Purwokerto - Indonesia, November 12-13, 2019

Fisheries and Marine Science Faculty
Jenderal Soedirman University

Meeting Schedule of SciFimaS, Nov 12-13th, 2019
Java Heritage Hotel, Purwokerto, Indonesia

Time	Tuesday, Nov 12th 2019	Place
18:00 - 19:00	**Dinner & Registration**	**Krisna Ball Room**
19:00 - 19:30	Kentongan	
	Opening remark	
	National Anthem "Indonesia Raya"	
	1. Opening Remark by Chairman, Dr. Endang Hilmi, M.Si	
	2. Welcoming Remark by the Dean of Fisheries and Marine Science Faculty, Jenderal Soedirman University	
	3. Photo session	
	National Song "Bagimu Negeri"	
	Prayer	
19:30 - 19:50	**Guest Speaker**	
	Prof. Dr. Ocky Karna Radjasa, M.Sc Ministry of Research, Technology and Higher Education, Republic of Indonesia	
19:50 - 20:00	Discussion	
20:00 - 20:20	**Expert Speaker**	
	Dr. Ir. Luky Adrianto, M.Sc Dean of FPIK IPB University	
20:20 - 20:40	**PD. Dr. rer. nat. habil. Sonja Kleinertz** University of Rostock, Germany	
20:40 - 21:00	**Dr. Ir. Isdy Sulistyo, DEA** Dean of FPIK UNSOED	
21:00 - 21:15	Discussion	
Time	**Wednesday, Nov 13th 2019**	
07:30 -08:00	**Registration**	**Krisna Ball Room**
08:00 - 08:40	***Keynote Speaker*** **Dr. Tukul Rameyo Adi** Minister Expert Staff for Socio-Anthropology, Coordinating Ministry for Maritime Affairs, Republic of Indonesia	
08:40 - 08:55	**Discussion**	
08.55 - 09.10	**Coffee Break**	
	Guest Speakers	
09.10 - 09.30	**Teuku Afrizal, Ph.D.** Dborneo Research Institute for Indigenous Studies (BorIIS), University Malaysia, Sabah, Malaysia	
09.30 - 09.50	**Dr. Catur Sarwanto, S.Pt, M.Si** Ad Interim Director of business and investment of the Directorate of Strengthening	

	Competitiveness of Marine and Fisheries Products, Ministry of Maritime Affairs and Fisheries Republic of Indonesia	
09.50 - 10.10	**Dr. Dessy Berlianty, S.Si, M.Si** Ministry of Maritime Affairs and Fisheries Republic of Indonesia	
10.10 - 10.50	**Discussion**	
10.50 - 11.00	**Break (Keroncong)**	
	Expert Speakers	
11.00 - 11.20	**Hanan Hassan Alsheikh Mohmoud, M.Sc**	
	Natural Resources and Enviromental Studies, Department of Fisheries Science, Bahri University	
11:20 - 11:40	**Prof. Jun Wei**	
	Sut Yat-Sen University, Guangdong, China	
11.40 - 12.00	**Discussion**	
12.00 - 13.00	**Lunch Break**	**Krisna Ball Room**
13:00 - 16:00	**Parallel session I (See detail parallel section)**	**Arjuna Room (Room 1 - 6)**
16:00 – 16:30	**Coffee break**	
16:30 – 19:00	**Parallel session II (See detail parallel section)**	
19:00 - 19:30	**Dinner**	**Krisna Ball Room**
19:30 - 20:00	**Closing Remark:** Discuss publishing of Journal and Proceeding	

ARJUNA ROOM 2

Aquatic Biodiversity and Ecosystem

No.	Theme	Author
Session I : 13.00 - 14.30		
19310	The Correlation between The Abundance and Diversity of Phytoplankton and Zooplankton with Mangrove Density of Estuary and Lagoon Ecosystem in Meranti Island	Endang Hilmi *et al.*
19316	The Length-Weight Relationship and Reproduction of Cherax Quadricarinatus in Java Island	Yonvitner *et al.*
19326	Density, Biomass, Biological Aspects, Habitat Characteristics and Distribution of Stingrays in The Arafura Sea	Karsono Wagiyo *et al.*
19333	Distribution and Abundance of Swamp Fish in Rawa Biru, Merauke, Papua	Harris Hermawan *et al.*
Session II : 14.30 - 16.00		
19336	The Impact of Tsunami on Seagrass Ecosystem in Tanjung Lesung, Banten, Indonesia	Muta Ali Khalifa *et al.*
19337	The Correlation Between Water Quality With Plankton Distribution in Eastern of Segara Anakan Lagoon, Cilacap	Nuraina Andriani *et al.*
19338	The Size and Shape Sagitta Otolith of Redtail Scad, *Decapterus kurroides* Blekeer 1855 from Kema Bay	Fransine B Manginsela *et al.*
19339	Impact of Marine Protect Areas on Economical Important Coral Reef Fishes Communities: An Evaluation of The Biological Monitoring Coral Reef Fishes in Anambas Islands	Rikoh Manogar Siringoringo *et al.*
Session III : 16.30 - 19.00		
19357	Growth and Survival Rate Analysis of Avicennia Lanata (Ridley) Seedling in Mempawah Mangrove Areas, West Kalimantan, Indonesia	Rafdinal *et al.*
19365	The Composition and Abundance of Planktonic Diatom in The Bengkalis Coastal Waters	Sofyan Siregar and Mubarak Halim
19367	Macroalgae Community Structure at Semak Daun Island, Kepulauan Seribu D.K.I Jakarta, Indonesia	Sekar Ajeng Wulandari *et al.*
19370	Distribution and Composition of Fish in The Mangrove Area of Kaledupa Island Wakatobi National Park	Hasan Eldin Adimu *et al.*
19384	Morphometric Characters of The Nike Fish Assemblages in Gorontalo Bay, Indonesia	Femy M Sahami *et al.*
19389	The Effect of Organic Feed Enrichment with Different Protein Content on The Growth Performance and Egg Production of Oithona Similis at Optimum Culture Media Salinity	Diana Chilmawati *et al.*
19390	*Tigriopuss sp.* Biomolecular Identification and Optimization of Its Growth and Eggs Production in Different Salinity Culture Media	Suminto *et al.*

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MORPHOMETRIC CHARACTERS OF THE NIKE FISH ASSEMBLAGES IN GORONTALO BAY, INDONESIA

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ABSTRACT

Nike or "Duwo" fish (a local name in Gorontalo) is an amphidromous species belong to the goby group. The fish appears seasonally and fished at estuary waters around the Gorontalo Bay. The present study stated the Nike fish schooling is composed of several species. This research aims to identify the morphometric characters of the Nike fish assemblages. The catch of fisherman from 29th January-5th February 2019 was collected. The fish samples were grouped based on melanophore patterns, namely D1-D14. The morphometric character data of 10 units such as total length (TL), standard length (SL), preorbital length (PL), eye diameter (ED), eye lens diameter (EL), head length (HL), body depth (BD), peduncle depth (PD), eye area (EA), and yolk sac (YS) were measured in each sample. The results of the principal component and discriminant function analysis grouped the 14 Nike fish groups based on melanophore patterns into two major groups. Dendogram of the kinship relationship also showed the same result. The total length, standard length, head length, and preorbital length are the main distinguishing characters among the Nike fish.

Keyword: Nike fish, Gorontalo, melanophore patterns, morphometric

CERTIFICATE

This certificate is presented to

FEMY MAHMUD SAHAMI

in recognition of the outstanding contribution as

ORAL PRESENTER

On International Conference

Komunikasi Riset Ilmiah Perikanan dan Ilmu Kelautan

Scientific Communication on Fisheries and Marine Science

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Dean of Fisheries and Marine Science Faculty
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Dr. Endang Hilmi, S.Hut., M.Si
Chairman