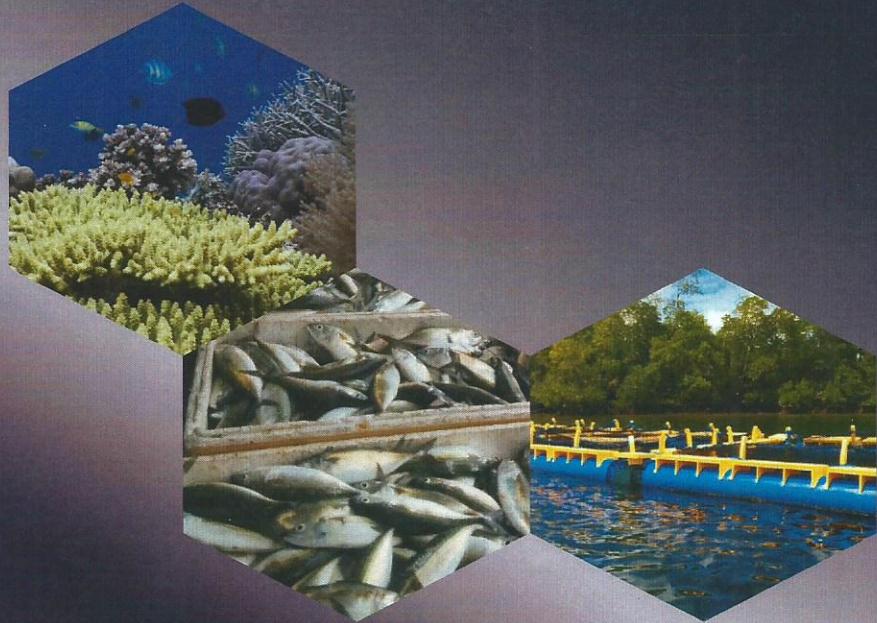




Abstract Book

The 1st INTERNATIONAL SEMINAR
on SUSTAINABILITY in the MARINE FISHERIES SECTOR 2017

Establishing Sustainable Marine and Fisheries Sector
to Support Food Security within ASEAN
Economic Community Framework



Topics

- Aquatic Resources Management
- Aquaculture
- Marine Science and Technology
- Capture Fisheries
- Socio-Economic of Fisheries
- Processing of Fisheries Products

16th September 2017
Mokodompit Auditorium UHO & Swiss Bel Hotel
Kendari, SE Sulawesi - Indonesia



The 1st International Seminar on Sustainability in the Marine Fisheries Sector (ISSMFS) 2017 with the theme "Establishing Sustainable Marine and Fisheries Sector to Support Food Security within ASEAN Economic Community Framework" is organised by the Faculty of Fisheries and Marine Science, University of Halu Oleo, as a part of the celebration of the 36th Anniversary of University of Halu Oleo and in conjunction with the Higher Education Leaders Forum for Fisheries and Marine Science (FP2TPKI)

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Committees

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: Mayor of Kendari City
: Rector of Halu Oleo University
: Danrem 143 Halu Oleo Southeast Sulawesi Province
: Regional Police of Southeast Sulawesi Province

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Parallel Sessions

TOPIC A : AQUATIC RESOURCES MANAGEMENT		
ROOM : CELEBES		
MODERATOR : Dr. Ir. Andi Irwan Nur, M.Sc		
Time	Code	Abstract Title And Authors
14.30-14.40	A-01	Species and Genetic Diversity Of Medaka Fishes (The Family Adrianichthyidae) in Southeast Sulawesi Kazunori Yamahira*, Daniel F. Mokodongan, Sjamsu A. Lawelle, and Kawilarang W.A. Masengi
14.40-14.50	A-02	Sustainability of Blue Swimming Crab <i>Portunus pelagicus</i> Fisheries Management using Fish Capture Control Approach in Southeast Sulawesi Waters, Indonesia La Sara*, Oce Astuti, Safilu
14.50-15.00	A-03	Study of Phytoplankton Abundance for the Development of Pearl Oyster Culture Area in the North Gorontalo Waters Femy M. Sahami*, Alfi S.R. Baruadi, Sri Nuryatin Hamzah
15.00-15.10	A-04	Institutional Analysis of Mangrove Resource Management as Conservation Effort of Coastal Area Endang Bidayani ^{1,*}
15.10-15.20	A-05	Macroepiphyte Succession on Thallus of <i>Kappahycus alvarezii</i> Ma'ruf Kasim*, Marlia, Abdullah
15.20-15.30	A-06	The Role of Artificial Reefs from Plastic Debris for Marine Conservation in Indonesia Andi Irwan Nur, Ma'ruf Kasim*, Emiyarti, Risfandi, Farito LM., Muh.Rizal, Anastion
15.30-15.40	A-07	The Growth Parameter of Snakehead Fish (<i>Channa striata</i>) in Aopa Watumohai Swamp Waters Pewutaa Village Angata Sub-District South Konawe Regency Taufikir*, Asriyana, Nur Irawati
15.40-15.50	A-08	Length at First Maturity and Fecundity of Greenback Mullet (<i>Chelon subviridis</i>) in Lalowaru Coastal Waters Emilia Riwana*, Asriyana, Muh. Ramli
15.50-16.20	Break	
16.20-16.30	A-09	Study of Some Biological Aspects of Shortfin Scad Fish (<i>Decapterus macrosoma</i>) in Makassar Waters, South Sulawesi Andi Asni*
16.30-16.40	A-10	Study on By-Catch Fish of Gillnets in the Lalowaru Coastal Waters of South Konawe Eva Muhamidah*, La Sara, Asriyana
16.40-16.50	A-11	Water Quality Performances around Integrated Aquaculture System of Seaweed and Finfish in the Floating Netcage at Libukang Island, Jeneponto District, South Sulawesi. Najamuddin*, Rustam, M. Abdur Ibnu Hajar, Mahfud Palo
16.50-17.00	A-12	Mortality and Exploitation Rate of Blue Swimming Crab (<i>Portunus pelagicus</i>, Linnaeus 1758) in Toronipa Waters, Southeast Sulawesi, Indonesia Ari Sandy Muchtar*, La Sara, Asriyana
17.10-17.20	A-13	The Kalandue Density (<i>Polymesoda</i> sp.) in the Various Mangrove Habitats at Kendari Bay Southeast Sulawesi Bahtiar*
17.20-17.30	A-14	Abundance and Distribution of Plankton to Support a Sustainable Fishing Ground in Staring Bay Salwiyah, S. La Ode A.R. Nadia, Idul Male*
17.30-17.40	A-15	Mounds Characteristics of Mud Lobster <i>Thalassina anomala</i> (Herbst, 1804) in Tanjung Tiram District South Konawe Regency Southeast Sulawesi Muhammad Fajar Purnama*, La Ode Alirman Afu
17.40-17.50	A-16	Spatial Changes and Management of Estuarine Water Quality at the Rawa Aopa Watumohai National Park (RAWNP), Southeast Sulawesi, Indonesia Saban Rahim*, Usman Rianse, Kangkuso Analuddin & L.M. Idrat Salihin
17.50-18.00	A-22	Potency and Development Strategy of Coastal Area in Wakatobi

Study of Phytoplankton Abundance for the Development of Pearl Oyster Culture in the North Gorontalo Waters

Femy M. Sahami^{1*}, Alfi S.R. Baruadi¹, dan Sri Nuryatin Hamzah¹

¹Department of Aquatic Resources Management, Fisheries and Marine Science Faculty, State

University of Gorontalo, Gorontalo

*Corresponding author: femsahami@yahoo.co.id

Abstract

Kwandang coastal water in Northern Gorontalo is considered as a very potential area for marine aquaculture especially the pearl oyster cultivation. However, a study to confirm that potential has not been conducted. The establishment of the pearl oyster farming is affected by several factors include the selection of proper location, which has suitable water quality for marine biota and sufficient water productivity in term of the abundance of phytoplankton. This study aim was to determine the abundance of phytoplankton as one of the biological parameters for the development of pearl oyster culture in the North Gorontalo area. The research method used was explorative by survey. The measurement of physical and chemical parameters was conducted in situ, whereas the biological parameter of phytoplankton analysis was carried out in the laboratory. The results showed that the North Gorontalo water qualifies as a good site for pearl oyster culture based on the abundance of phytoplankton.

Keywords: Abundance, Phytoplankton, Pearl oyster, North Gorontalo

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CERTIFICATE OF PRESENTATION

awarded to

FEMY M. SAHAM

State University Of Gorontalo

Alfi S.R. Baruadi, Sri Nuryatin Hamzah

The 1st International Seminar on Sustainability in Marine and
Fisheries Sectors, held at Swiss-Belhotel, Kendari
Southeast Sulawesi - INDONESIA

16th September 2017

Prof. Ir. H. La Sara., MS., Ph.D

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Dr.

Organized by Faculty of Fisheries and Marine Science
University of Halu Oleo

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Chairman of Organizing Committee

