



“Innovative Seaweed Industry Based on Partnerships and a Healthy Environment to Compete in the Global Marketplace”

Jakarta Convention Center, Jakarta, 11th – 14th December 2019

TIME SCHEDULE

Thursday, 12 December 2019

Time	Description
08:00-09:00	Registration
09:00-12:00	OPENING CEREMONY at Jakarta Convention Center (JCC)
12:00-13:00	Lunch
13:00-13:20	INTRODUCTION
KEYNOTE SPEECHES	
<i>Moderator: Dr.rer.nat. Muhammad Lukman, ST., M.Mar.Sc.</i>	
13:20-13:40	Prof. Dr. Jana T. Anggadiredja: <i>Indonesia seaweed industry overview</i>
13:00-14:00	Balil Lahadia – Chief of BKPM: <i>Nasional policy for promoting invesment in seaweed</i>
14:00-14:20	Andi Taufan Garuda – Presidential Advisory Board: <i>The role of Fintech as an alternative financing for coastal communities.</i>
14:20-14:50	Discussion
INVITED SPEAKERS	
<i>Moderator: Dr.rer.nat. Muhammad Lukman, ST., M.MarSc</i>	
15:00-15:15	Jeroen Langelaan – CFO and part owner of Seatech Energy: <i>If we drive down the cost, the future is seaweed</i>
15:15-15:30	Cyr Couturier – Memorial University of Newfoundland, Centre for Aquaculture and Seafood Development (CASD), Canada: <i>Addressing climate change impacts in seaweed farming in Sulawesi Selatan – Reducing plastics in the ocean with alternative floats, and experiments to produce better seaweed crops in four regencies</i>
15:30-15:45	Simon Davis – Seadling Company, Malaysia:
15:45-16:05	Discussion
16:05-16:15	Coffee Break
16:15-16:20	Get ready for Parallel Session
16:20-17:20	PARALLEL SESSION I
17:20-17:30	Discussion



4th INDONESIA SEAWEED FORUM



Friday, 13 December 2019

Time	Description
KEYNOTE SPEECHES	
<i>Moderator: Prof. Dr. Eko Nurcahya Dewi</i>	
08:30-08:50	Prof. Dr. Dwia Ariestina Pulubuhu, MA. – Rector of Universitas Hasanuddin: <i>Model of Colaborative Development of seaweed Research in Indonesia</i>
08:50-09:10	Dr. Nilanto Prabowo – Sekertaris Jenderal Kementerian Kelautan dan Perikanan: <i>Strategi policies for seaweed industry</i>
09:10-09:30	Yuddy Renaldi – Direktur Utama BJB: <i>The role of banks in financing coastal communities</i>
09:30-10:00	Discussion
10:00-10:15	Coffee Break
INVITED SPEAKER	
<i>Moderator: Prof. Dr. Eko Nurcahya Dewi</i>	
10:15-10:30	Iain C. Neish – Director of PT. SeaSix Energy, Indonesia: <i>Five joint seaweed industry initiatives that can strengthen Indonesia's comparative advantage</i>
10:30-10:45	CRK Reddy – Institute of Chemical Technology, Mumbai: <i>Innovations for sustainable seaweed industry</i>
10:45-11:00	David Christian – Founder of EVOWARE Indonesia:
11:00-11:30	Discussions
11:30-13:00	Jum'ah Prayer and Lunch
13:00-14:00	PARALLEL SESSION II
14:00-14:15	Discussion
14:15-16:15	PARALLEL SESSION III
16:15-16:30	Discussion
16:30-16:40	Coffee Break
16:40-17:00	Best Presentation Awards
17:00-17:30	Closing Remarks and Closing Ceremony

12 – 14 December 2019 – Gerakan Manfaat Rumput Laut Indonesia Sehat Berserat (GEMARI SEHAT) is a movement to promote the various uses of seaweed as a foodstuff and socialize seaweed as a healthy and fibrous food material. The activities held include Pameran/Gemari Sehat (exhibition) and a series of events which include a fun walk as well as a marathon. There are a diverse amount of seaweed based products circulating in society, such as atg/atc, src/rc, agar, pharmaceutical, health and cosmetic products, paper, and others. The movement to utilize seaweed based as an alternative to plastic is a movement to reduce plastic use, which has become a danger to the future of humanity.



PARALLEL SESSIONS

SESSION I

Thursday, 12 December 2019

Time 16:20 – 17:20 WIB

Room 01. Aquaculture and the environment

Time	Code	Presenter	Paper Title
16:20-17:20	A01	Abigail Moore	Parallel invited speaker – Eucheumatoid seaweed farming under global change: Tomini Bay seaweed trial indicates <i>Eucheuma spinosum</i> could contribute to climate adaptation
	A02	Nurjannah Nurdin	Spatial monitoring of seaweed culture extent and plastic buoy waste volume in South Sulawesi
	A03	Nadiarti Nurdin	Seaweed density correlated with seagrass density but not with sea urchin density in natural and restored seagrass beds
	A04	Sri Mulyani	Effect of seaweed <i>Kappaphycus alvarezii</i> aquaculture over coral reefs on the recruitment of scleractinian corals

Room 02. Bioprospecting

Time	Code	Presenter	Paper Title
16:20-17:20	B01	Delini Oktaviana Lubis	Potential of bioactive compounds of the seaweeds <i>Halimeda micronesica</i> and <i>Halimeda macroloba</i> as antioxidants and phytochemical screening of active seaweed extracts from Maspari Island
	B02	Amir Husni	Antidiabetic activity of <i>Sargassum hystrix</i> extract and its ethyl acetate fractions
	B03	Oslan Jumadi	Biochemical content and antioxidant activities of enzymatic extracts from <i>Sargassum polycystum</i>
	B04	Elmi Nurhaidah Zainuddin	Bio-potential of <i>Caulerpa racemosa</i> extracts as candidates for natural antibiotics in shrimp aquaculture

SESSION II

Friday 13 December 2019

Time 13:00-14:00 WIB

Room 01. Socio-economic aspect of seaweed farming

Time	Code	Presenter	Paper Title
13:00-14:00	C01	Agus Heri Purnomo	Parallel invited speaker – Readiness indexes of locations designated for the development of seaweed warehouse system in Java
	C02	Nur Azmi Ratna Setyawidati	Wild seaweed harvesting at Southern Coast of West Java: Preliminary study
	C03	Ophirtus Sumule	The development of Indonesian seaweed based on innovation cluster model: A new approach model for Indonesian seaweed development in order to improve added value, competitiveness and sustainability
	C04	Husain Syam	Post-harvest handling methods by seaweed farmers in the coastal area: a case study in Takalar Regency, Indonesia



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Room 02. Miscellaneous

Time	Code	Presenter	Paper Title
13:00-14:00	D01	Sudari Pawiro	Parallel invited speaker – INSPIRED: data driven tool for continuous improvement in the seaweed industry
	D02	Jamaluddin	Characteristics of tarpaulin on the ground, bamboo table, and hanging methods for drying the seaweed <i>Eucheuma cottonii</i>
	D03	La Ode M. Aslan	Seasonal variation in growth and carrageenan yield of <i>Kappaphycus alvarezii</i> Doty using different strains of seedlings cultivated in Kulisusu Bay, North Buton District, Southeast (SE) Sulawesi, Indonesia
	A04	Sinurat E.	Chemical properties of the seaweed <i>Ulva</i> sp. from Gunung Kidul, Yogyakarta

SESSION III

Friday, 13 December 2019

14:15-16:15 WIB

Room 01. Aquaculture technology

Time	Code	Presenter	Paper Title
14:15-16:15	E01	Ma'ruf Kasim	Parallel invited speaker – New floating cage variants for seaweed cultivation
	E02	Muhammad Hendri	<i>Eucheuma spinosum</i> cultivation in open waters using a net bag method in Pahawang Island waters, South Lampung
	E03	S.R. Darajat	Best aquaculture practices for seaweed culture in a changing climate in South Sulawesi, Indonesia
	E04	Abdul Rasyid Djalil	Comparison of physico-chemical conditions for seaweed cultivation in the Spermonde Archipelago, South Sulawesi Province, Indonesia
	E05	La Ode M. Aslan	A field observation of the resistance of tissue-cultured seedlings during heavy rain in Kolono Bay, Southeast Sulawesi, Indonesia
	E06	Marlina Achmad	Utilization of liquid carrageenan waste for improving the quality performance of the seaweed <i>Kappaphycus alvarezii</i>
	E07	La Ode M. Aslan	Growth and carrageenan yield of different seedling sources of seaweed <i>Kappaphycus alvarezii</i> using grafting method at Sasara Coastal Waters, Buton Utara, Southeast Sulawesi, Indonesia
	E08	Alfred G. O. Kase	Growth analysis of difference varieties of <i>Kappaphycus alvarezii</i> at Kenebibi Village, Kakuluk Mesak District, Belu, East Nusa Tenggara.



Room 02. Biotechnology

Time	Code	Presenter	Paper Title
14:15-16:15	F01	Marianti Manggau	Parallel invited speaker – Antiplatelet activity of brown seaweed <i>Sargassum ilicifolium</i> lyophilized fraction
	F02	Eko Nurcahya Dewi	Characteristics and protective effect of bioactive chlorophyll microcapsules in alginate-based edible film on the quality of fish bubbles snacks
	F03	Abdul Rahim	Physical, physicochemical, chemical, mechanical and sensory properties of bioplastics from phosphate acetate arenga starches
	F04	Mohammad Dharma Utama	Compressive strength of acrylic resin after immersion in <i>Sargassum polycystum</i> denture cleanser
	F05	Gunarto Latama	The survival rate on solid and liquid culture media of <i>Kappaphycus alvarezii</i> embryos with introduced Lysozyme Gene
	F06	Nurita Pusparini	Effect of extraction time with Microwave Assisted Extraction (MAE) method on quality parameters of carrageenan derived from <i>Eucheuma spinosum</i>
	F07	Aqil Azizi	A comparative performance of mesophilic and thermophilic anaerobic digestion of seaweed during successive transfer
	F08	Primaharinastiti P.	Chromatographic fingerprint profiles for quality control of <i>Sargassum</i> sp. extract by using UV-Spectrometry, TLC, HPLC and GC-MS