

## Table of Contents

Preface (The 1st International Symposium on Aquatic Product Processing 2013)

Dr. Wini Trilaksani

Committee

(The 1st International Symposium on Aquatic Product Processing 2013)

The Effect Of Seaweed Powder (*Eucheuma Cottonii*) Addition In Catfish Sausage

Lisa Amanda Yakhin, Kristalia Mulya Wijaya, Joko Santoso

Pages 1-5

Physic and chemical characteristics of nata de seaweed from *eucheuma cottonii* and *gracilaria* sp.

Max R Wennon, Martha L Wattimena, Zulfikar A Rumakey, Johanna L Thenu

Pages 6-11

Utilization Of *Eucheuma Cottonii* And *Eucheuma Spinosum* Flour In Narrow-Barred Spanish Mackerel Meatballs

Jeremia Manuel, Melanie Cornelia, William Wijaya

Pages 12-18

Seaweed As Micronutrients Ingredient For Food Supplement  
Fifi Retiaty, Ade Nugraheni, Astuti Lamid

Pages 19-25

Design Of Micro-Capsul Gelatin-Acacia Coacervation Dispersed In Seawater

K Komari

Pages 26-31

Effect Of Preparing Conditions On Properties Of Gelatin Film From Horse Mackerel Scale

Le Thi Minh Thuy, Emiko Okazaki, Kazufumi Osako

Pages 32-34

Roles Of Apoptosis And Autophagy On The Texture Of Red Sea Bream Muscle

Atsuko Harigaya, Reiko Nagasaka, Toshiaki Ohshima

Pages 35-38

The Effect Of Ovalbumin On The Protease Activity

Toshihiko TAKENAWA, Kigen TAKAHASHI, Le-Chang SUN, Emiko OKAZAKI, Kazufumi OSAKO

Pages 39-41

Effect Of Endogenous Proteases On Gelation Of Red Tile Fish Surimi

Kigen TAKAHASHI, Emiko OKAZAKI, Kazufumi OSAKO

Pages 42-44

The Use Of Vacuum Impregnation Technology To Improve Smoking Process

Rodiah Nurbaya Sari, Diah Liah L. Ayudiarti, G Gunawan

Pages 45-52

Utilizing of Dark Meat Tuna Fish (thunnus sp. ) and Trash Fish Surimi in the Processing of Fish Burger

Fredy Pattipeilohy, Angcivioletta Moniharapon

Pages 53-62

Carrageenan As Binder In The Fruit Leather Production

Dina Fransiska, Siti Nurbaity Kartika Apriani, M Murdinah, Susiana Melanie

Pages 63-69

Aplication Of Atung (*Parinariium Glaberimum*, Hassk) In Handling Of Fresh Pelagic Fish

Trijunianto Moniharapon, Angcivioletta Moniharapon

Pages 70-76

Study Of Colloidal Chitin Hydrolysis To Produce The N Acetyl Glucosamine From Shrimp Shell Waste Using Hydrochloric Acid And Nitric Acid

Sri Wahyuni

Pages 77-84

Opportunities And Challenges For Developing *Caulerpa Racemosa* As Functional Foods

Diini Fithriani

Pages 85-96

Antiobesity Of Fucoxanthin From *Sargassumechinocarpum* By Increasing B-Oxidation In Adipocyte

Muhamad Firdaus, Fadhilah Purna Agustin, Alif J Kholifatul, Nugroho Wiratama, Yusuf Adi Sudj atmiko

Pages 97-102

Potential Of *Nostoc Muscorum* Cultured In Bg-li Medium As Biodiesel Feedstock Source: Evaluation Of Nutrient Requirement For Culture And Its Daily Lipid Content

Rachmawati Rusydi, Rachmawati Rusydi, Amaratatne Yakupitiyage, Wenresti G Gallardo, Lionel Dabbadie, Anil K Anal

Pages 103-113

Isolation And Characterization Of A Novel Hyaluronidase Inhibitor From A Marine Actinomycetes Strain

Enjuro Harunari, Chiaki Imada, Yasuhiro Igarashi, Takao Fukuda, Takeshi Terahara, Takeshi Kobayashi

Pages 114-119

Anticancer And Antiaggregation Of Seaweed Extract

Astuti Lamid, K Komari

Pages 120-124

Determination Of Extraction Temperature And Period Of Fish Oil From Tilapia (*Oreochromis Niloticus*) By Product Using Wet Rendering Method

Sugeng Heri Suseno, N Nurjanah, Y Yoshiara, S Saraswati

Pages 125-135

Use Of Fish Oil As Supplement To Rice Flour For Children

Ade Nugraheni, Fifi Retiaty, K Komari

Pages 136-140

Hepatoprotective Effects Ethanol Extract Of Mangrove Propagule (*Rhizophora Mucronata*) In White Rat Strain Sprague Dawley Induced Carbon Tetrachloride ( $\text{Ccl}_4$ )

Sri Purwaningsih, Ekowati Handharyani, Aditya Yudha Prawira Sukarno

Pages 141-155

Benzo (A) Pyrene Potential Analysis On Smoked Fish (Case Study: Traditional Method And Smoking Kiln)

Fronthea Swastawati, Titi Surti, Tri Winarni Agustini, Putut Har Riyadi

Pages 156-161

Histological Changes On Milkfish Skin (Chanos Chanos) During Postmortem

Medal Lintas Perceka, Tati Nurhayati, Sri Nuryati

Pages 162-167

Performa (Paper Test Kit Formalin) As The Alternative Selection To Improve The Quality Of Food Ingredients

Citra Dewi Anggraini, S Susiana, Putri Yurida Sari, Randi Dwi Anggriawan, Muhamad Firdaus

Pages 168-174

Quality Assessing Of Commercial Roe Products From Alaska Pollock Roe

Chaoping Chen, Bai Lu, Emiko OKAZAKI, Kazufumi OSAKO

Pages 175-177

Evaluation And Implementation Haccp Of Frozen Tuna Saku

Welma Esulima, Ovie Ningsih

Pages 178-190

Growth Performance And Histological Appearance Of The Humpback Grouper Juvenile (*Cromileptesaltivelis*) After Treated With Recombinant Growth Hormone

Suci Antoro, M Zairin Junior, A Alimuddin, Agus Suprayudi, Irvan Faizal

Pages 191-200

Isolation Of B-Actin Promoter Derived From Walking Catfish (*Clarias Batrachus*)

Ibnu Dwi Buwono, Nono Carsono, Yuniar Mulyani, Mochamad Untung Kurnia Agung

Pages 201-211

Development Of Label-Free Biosensor For Detecting Steroid Hormone Concentration In Fish  
Wu Haiyun, Tadayoshi Muramatsu, Mutsuko Hirai, Kyoko Hibi, Huifeng Ren, Hideaki Endo  
Pages 212-223

Impact Of Fish Aggregating Device On Sustainable Capture Fisheries  
Roza Yusfiandayani, Mulyono S Baskoro, Daniel Monintja  
Pages 224-237

Development Of Portable System For Muscle Twitch Experiment Measurement Of Muscle  
Contraction Time  
Mochammad Riyanto, Mochammad Riyanto, Takafumi Arimoto  
Pages 238-246

Squid Eggs Attachment And Fish Association On The Squid Attractor Aggregating Device  
Mulyono S Baskoro, Indra Ambalika Syari, Mujizat Kawaroe, Ronny Irawan Wahyu, Roza  
Yusfiandayani  
Pages 247-254