

POSTERS

Located in Exhibit Hall

MARINE SHRIMP POSTERS

- Board #**
- 100** **Rosmaria Abu Darim**, Mohd Afiq Razi, Abu Bakar Tumin, Saberi Mawi
EFFECT OF STOCKING DENSITY ON SURVIVAL RATE OF GIANT TIGER PRAWN
Penaeus monodon FROM MADAGASCAR IN PONDS
- 101** **Chorong Lee**, Se-Jin Lim, Kyu-Tae Lee, Kyeong-Jun Lee
SUPPLEMENTAL EFFECTS OF BIOFLOC POWDER ON GROWTH PERFORMANCE,
INNATE IMMUNITY AND DISEASE RESISTANCE OF PACIFIC WHITE SHRIMP
Litopenaeus vannamei
- 102** **Md Ali Amatul Samahah**, Mohd Afiq Md Razi, Kun Yong Yeong, Saberi Mawi,
Zainoddin Jamari
GROWTH AND SURVIVAL OF TWO DIFFERENT SOURCE OF DOMESTICATED BLACK
TIGER PRAWN *Penaeus monodon* REARED IN BRACKISH WATER POND IN JOHOR,
MALAYSIA
- 103** **Andi Parenrengi**, Alimuddin, Andi Tenriulo
CHARACTERISTIC OF A VIRAL PROTEIN (VP-15) OF WHITE SPOT SYNDROME VIRUS
ISOLATED FROM INFECTED TIGER SHRIMP *Penaeus monodon*
- 104** **Rosmiati**, Ike Trismawanti
EVALUATION OF CRYOPROTECTANT (METHANOL, GLYCEROL AND
DIMETHYLSULPHOXIDE) FOR SPERM CRYOPRESERVATION OF TIGER SHRIMP
Penaeus monodon
- 105** **Sahabuddin**, Hidayat Suryanto Suwoyo, Andi Sahrijanna
PRODUCTION OF TIGER SHRIMP BROODSTOCK *Penaeus monodon* CANDIDATE IN
POND WITH DIFFERENT DENSITY
- 106** **Hidayat Suryanto Suwoyo**, Sahabuddin
GROWTH PERFORMANCE OF TRANSGENIC TIGER SHRIMP BROODSTOCK *Penaeus
monodon* AT DIFFERENT GENERATION
- 107** **Rachman Syah**, Mat Fahrur, Makmur, Muhammad Undu
THE PERFORMANCE OF SUPER INTENSIVE *Litopenaeus vannamei* SHRIMP POND
TREATMENTS PLANT
- 108** **Andi Tenriulo**, Andi Parenrengi, Bunga Rante Tampangallo
IMMUNITY RESPONSE OF TRANSGENIC TIGER SHRIMP F1 AGAINST WHITE SPOT
SYNDROM VIRUS (WSSV)
- 109** **Ike Trismawanti**, Agus Nawang, Asda Laining
GONADOTROPIN RELEASING HORMONE ANALOGUE STIMULATED
SPERMATOPHORES MATURATION OF HATCHERY-DISCARDED MALE TIGER SHRIMP
Penaeus monodon WITHOUT EYE STALK ABLATION
- 110** **Weilong Wang**, Manabu Ishikawa, Shunsuke Koshio, Saichiro Yokoyama
OPTIMUM SUPPLEMENTATION OF ASTAXANTHIN FOR LARVAL AND POSTLARVAL
KURUMA SHRIMP *Marsupenaeus japonicus*

TILAPIA POSTERS

Board

- 115** **Kolawole Akinoshun**, Dannie Brink, Bekezela Dube
EFFECTS OF INTENSE INBREEDING ON GROWTH TRAITS IN TILAPIA *Oreochromis mossambicus*
- 116** **Sharihan Fathi**, Aizul Nahar Harun, Shuib Rambat
DEVELOPMENT OF INTEGRATED MOBILE KNOWLEDGE BASED AND REPORTING SYSTEMS FOR AQUACULTURE MANAGEMENT OF TILAPIA INDUSTRY PLAYERS
- 117** **Christian Lückstädt**, Nicolas Greiffenstein, Ying Kang Chang
EFFECTS OF DIETARY POTASSIUM DIFORMATE ON JUVENILE TILAPIA IN COLOMBIA – A CASE STUDY
- 118** **Christian Lückstädt**, Nicolas Greiffenstein
EFFECTS OF DIETARY POTASSIUM DIFORMATE ON JUVENILE TILAPIA IN LATIN AMERICA – A PERFORMANCE ANALYSIS
- 120** **Siti Norita Mohamad**, Abdul Hamid Mumtaziah, Nurazaidah Muhammad, Mohd Fariduddin Othman
EFFECT OF DIFFERENT MATING PERIOD TO BREEDING PERFORMANCE OF RED TILAPIA HYBRID BROODSTOCK
- 121** **Vean Mohammad**, Yuzine Esa, Mohd Salleh Kamarudin, Annie Christianus
EFFECTS OF MAGNETIC WATER ON THE GROWTH PERFORMANCE AND SURVIVAL OF HYBRID RED TILAPIA *Oreochromis niloticus*
- 122** **Abu B. Noor-Hidayati**, Shaharudin A. Razak, Zazali Alias, Norhidayah M. Taufek, Hasniyati Muin, Ameenat A. Raji, Firdaus Aspani
COMPARATIVE STUDY ON THE EFFECT OF BLACK SOLDIER FLY *Hermetia illucens* LARVAE OIL ON GROWTH PERFORMANCE, DIGESTIBILITY, FATTY ACID COMPOSITION AND HAEMATOLOGICAL FOR NILE TILAPIA *Oreochromis niloticus*
- 123** **Vander Bruno Santos**, Vinicius Vasconcelos Silva, Edson Assunção Mareco, Paulo Eduardo Pardo, Maeli Dal Pai Silva, Rondinelle Artur S. Salomão
PROBIOTICS STIMULATE MUSCLE GROWTH OF NILE TILAPIA *Oreochromis niloticus*
- 124** **Vander Bruno Santos**, Edson Assunção Mareco, Rondinelle Artur S. Salomão, Vinicius Vasconcelos Silva, Marcus V. Couto
GROWTH OF NILE TILAPIA *Oreochromis niloticus* STRAINS IN BRAZIL
- 125** **Josias Seabi**
A COMPARATIVE STUDY OF THE GROWTH PERFORMANCE OF *Oreochromis mossambicus* AND *Tilapia rendalli*

FRESHWATER FISH CULTURE POSTERS

Board

- 130** **Haslawati Baharuddin**, Jamaludin Ibrahim, Mohd Zudaidy Jaapar, Hanan Mohd Yusof
CURRENT SUCCESS IN THE BREEDING OF INDIGENOUS FRESHWATER FISH IN
PENINSULAR MALAYSIA FOR FUTURE AQUACULTURE AND STOCK ENHANCEMENT
- 131** **Rita Febrianti**, Sularto Sularto, Nunuk Listyowati
GONADAL DEVELOPMENT AND EARLY MATURITY OF GIANT GOURAMI IN INDONESIA
- 132** **Tae-Hyun Yoon**, Dong-Hoon Lee, Seunggun Won, Changsix Ra, Jeong-Dae Kim
MAGNESIUM HYDROGEN PHOSPHATE (MHP, MgHPO₄) RECOVERED FROM SWINE
MANURE AS A NEW PHOSPHORUS ADDITIVE FOR FRESHWATER FISH

MARINE FINFISH CULTURE POSTERS

Board

- 140** **Che Zulkifli Che Ismail**, Ivan Koh Chong Chu, Shahreza Md Sheriff, Sufian Mustafa,
Mhd Ikhwanuddin Abdullah
MORPHOLOGICAL CHANGES OF GIANT GROUPER *Epinephelus lanceolatus*
CRYOPRESERVED SPERMATOCYTES WHICH TRANSPORTED USING DRY ICE
- 142** **Sang-Hyun Han**, Yoo-Kyung Kim, Hong-Shik Oh, Chi-Hoon Lee, Young-Don Lee
HAPLOTYPE DISTRIBUTION OF MITOCHONDRIAL DNA CYTOCHROME OXIDASE I GENE
OF RED SPOTTED GROUPER *Epinephelus akaara* IN EAST ASIA
- 143** **Tiago Hori**, Melissa Allen, John Buchanan, America Fujimoto, Jason Stannard
DEVELOPMENT OF A SNP MARKER PANEL FOR PARENTAGE, DIVERSITY AND
RELATEDNESS ANALYSES IN BARRAMUNDI *Lates calcarifer*
- 144** **Jeong-Dae Kim**, Sung-Sam Kim, Seung-Jun Shin, Hyon-Sob Han, Kyeong-Jun Lee
GROWTH PERFORMANCE OF BLACK SEA BREAM *Acanthopagrus schlegelii* FED THE
FREE OR DIPEPTIDE FORM OF LEUCINE
- 145** **Yoo-Kyung Kim**, Sang-Hyun Han, Chi-Hoon Lee, Young-Don Lee
PHYLOGENETIC POSITION OF THE ENDANGERED RED-SPOTTED GROUPER
Epinephelus akaara BASED ON COMPLETE MITOCHONDRIAL DNA SEQUENCES
- 147** **R.A. Roki Mohamed**, Nik Nazli Effendy Ramly, Zaidnuddin Ilias, Idris Ahmad,
Zainoddin Jamari, Halim Zainal
PRELIMINARY STUDY ON GROWTH OF HYBRID GROUPER CULTURED IN CAGES AT
LANGKAWI
- 148** **Sufian Mustafa**, Nik Haiha Nik Yusoff
THE GROWTH PERFORMANCE OF HYBRID GROUPER *Epinephelus lanceolatus* ♀ ×
E. fuscogutattus ♂ AND TIGER GROUPER *E. fuscogutattus* FINGERLING NURSE IN
TANK SYSTEM
- 149** **Nik Daud Nik Sin**
SEA BASS *Lates calcarifer* BROODSTOCK NUTRITION AND EFFECTS ON THE QUALITY
OF EGG

- 150** **Nik Haiha Nik Yusoff**, Ahmad Baihaqi Othman
EFFECT OF SIREHMAX™ ON GROWTH PERFORMANCE AND SURVIVAL OF HYBRID GROUPER *Epinephelus lanceolatus* × *Epinephelus fuscoguttatus*
- 151** **Ahmad Daud Om**, Kamarul Azlan Azizan, Syarul Nataqain Baharum
TUBER YAM *Dioscorea hispida* COULD INFLUENCE REPRODUCTIVE HORMONE OF TIGER GROUPER *Epinephelus fuscoguttatus*
- 152** **Igor Pirozzi**
NUTRITIONAL MODELLING OF PROTEIN, AMINO ACID AND ENERGY REQUIREMENTS OF TIGER GROUPER *Epinephelus fuscoguttatus*
- 153** **Azmi Rani**, Fadzilah Yusof, Saberi Mawi, Abu Bakar Arbak, Zainoddin Jamari, Mohd Farazi Jaafar
THE EFFECT OF SALINITY ON SURVIVAL AND GROWTH PERFORMANCE OF GOLDEN TREVALLY *Gnathanodon speciosus* JUVENILES

INVERTEBRATES POSTERS

Board

- 160** **Fatma Abdel Razeq**, M. Ismaiel, A. Khafagy, J. Sorour, A. Attia
HISTOLOGICAL STUDIES OF THE OOGENESIS AND MATURATION OF THE PORTUNID CRAB *Portunus pelagicus* L. IN EGYPTIAN WATERS
- 161** **Md Anisuzzaman**, Jong- Kuk Choi, Jin Feng, U-Cheol Jeong, Kabery Kamrunnahar, Hak Sun Yu, Seok-Joong Kang
EFFECTS OF DIFFERENT MICROALGAE IN PREPARED FEEDS ON ANTI-INFLAMMATORY CYTOKINE, IL-10 PRODUCTION OF THE SEA CUCUMBER *Apostichopus japonicus*
- 162** **Dzulfikkar Baitul Ma'mur**, Mohd Saupi Ismail
GROWTH AND SURVIVAL RATE OF SPS HARD CORAL *Psammocora contigua* IN AN EX SITU NURSERY
- 163** **Luc A. Comeau**, Rémi Sonier, Thomas Guyondet, Thomas Landry, Aaron Ramsay, Jeff Davidson
BEHAVIOURAL RESPONSE OF BIVALVE MOLLUSCS TO CALCIUM HYDROXIDE
- 164** **D. Stewart Fielder**, Michael C. Dove, Laura M. Parker, Wayne A. O'Connor, Mark A. Booth
OYSTERS IN THE OUTBACK: OYSTER SPAT CULTURE IN POTASSIUM DEFICIENT INLAND SALINE GROUNDWATER
- 165** **Haryanti Haryanti**, Zeni Widyastuti, Sari Budi Moria
THE EFFECT OF PROBIOTICS ON THE SURVIVAL, GROWTH AND IMMUNE RESPONSE OF SPINY LOBSTER *Panulirus homarus* CULTURE
- 166** **Zaidnuddin Ilias**, Nik Nazley Effendy Ramli, R.A. Roki Mohamed, Zainoddin Jamari
SEA CUCUMBER *Holothuria scabra* JUVENILE GROWTH PERFORMANCE IN SALTWATER PONDS

- 168 **Seongdo Lee**, Thanthrige Thiunuwan Priyathilaka, Hyunsik Yun, Jehee Lee
IDENTIFICATION, CHARACTERIZATION AND EXPRESSION PROFILE OF SERUM AMYLOID P-COMPONENT FROM THE BIG-BELLY SEAHORSE *Hippocampus abdominalis*
- 169 **Hilmi Mat Ghani**, Azmi Ambak, Muhammad Ikhwanuddin
AGE AND LIPOFUSCIN COMPOSITION RELATIONSHIP OF BLUE SWIMMING CRAB *Portunus pelagius* IN CAPTIVITY
- 170 **Rozihan Mohamed**, N.W. Nabilah, B.A. John, H. Joni, E. Yuzine
THE MORPHOMETRIC VARIATIONS OF HORSESHOE CRAB *Carcinoscorpius rotundicauda* COLLECTED FROM TWO DIFFERENT ECOLOGICAL HABITATS OF PENINSULAR MALAYSIA
- 171 **Mohd. Saleh Mohd. Taha**, Hadzley Harith, Kua Beng Chu, Ku Kassim Ku Yaakob, Abdul Rahim Masazurah, Roziawati Razali, Md. Fauzan K. Mohd. Yapandi
INDUCED SPAWNING OF THE BLOOD COCKLE *Anadara granosa* IN HATCHERY
- 173 **Thiunuwan Priyathilaka Thanthrige**, S.D.N.K. Bathige, Yucheol Kim, Seongdo Lee, Jehee Lee
TWO VARIANTS OF DISK ABALONE *Haliotis discus discus* MYD88 INVOLVED IN INFLAMMATORY RESPONSES VIA NF-KB ACTIVATION
- 174 **Guizhong Wang**, Xiaojun Xu, Chaoshu Zeng, Haihui Ye
GENETIC DIVERSITY ANALYSIS OF FARMING GROUPS OF *Scylla paramamosain* IN CHINA ESTIMATED BY MICROSATELLITE MARKERS
- 176 **Ibnu Rusdi**, Fitriyah H. Khotimah, Bejo Slamet, Herlinah, I.N. Adiasmara Giri
SURVIVAL AND GROWTH OF SPINY LOBSTER *Panulirus homarus* JUVENILES AND BABY LOBSTER REARED AT VARIOUS SALINITY

NUTRITION AND AQUAFEDS POSTERS

- Board #**
- 180 **Mohammed Suhaimie Abd Manaf**, Rosnani Yaakub, Nazariah Nazri, Nur Awatif Othman
EFFECT OF FEEDING PRIMEZEAT® ON HEALTH STATUS AND PERFORMANCE OF *Penaeus monodon* AND *Macrobrachium rosenbergii* BROODSTOCK
- 181 **Mark Booth**, Marc Campet, Jorge Alarcon, Lukas Manomaitis
INCLUSION OF SOYBEAN MEAL AND SOY PROTEIN CONCENTRATE IN FEEDS FOR ASIAN SEABASS *Lates calcarifer*
- 182 **Rehana Iqbal**, Muhammad Ali, Naeem Tariq narejo, Kashif Umer
EFFECT OF VARYING LEVELS OF PROTEIN FROM DIFFERENT ANIMAL SOURCES ON GROWTH AND SURVIVAL OF CARP *Cirrhinus mrigala* REARED IN CEMENTED CISTERNS

- 183 Farahiyah Ilyana Jamaludin**, Abdul Rahman Zainal Abidin, Ahmad Aman, Wong Hee Kum
GROWTH PERFORMANCE OF JELAWAT *Leptobarbus hoevenii* FED ON VARIOUS LEVELS OF PROTEIN
- 184 Jeong-Dae Kim**, Dong-Hoon Lee, Seong-Ryul Lim
REPLACEMENT OF FISH MEAL BY DEHULLED SOYBEAN MEAL WITH METHIONINE AND LYSINE SUPPLEMENTATION TO DIET FOR JUVENILE STERLET STURGEON *Acipenser ruthenus*
- 185 Yuanyou Li**, Shuqi Wang, Xuebing Liu, Cuihong You, Óscar Monroig, Douglas R. Tocher
TOTAL REPLACEMENT OF DIETARY FISH OIL WITH A BLEND OF VEGETABLE OILS IN THE MARINE HERBIVOROUS TELEOST *Siganus canaliculatus*
- 186 Norhidayah Mohd Taufek**, Syuaib Supani, Noorhidayati A. Bakar, Hasniyati Muin, Shahrudin A. Razak
DIETARY CRICKET MEAL: EFFECT ON THE GROWTH AND REPRODUCTIVE PERFORMANCE OF AFRICAN CATFISH
- 187 Hanan Mohd Yusof**, Muhamad Zudaidy Jaapar, Tazri Amil Shafie, Mohd. Fariduddin Othman
EFFECT OF BEEF LIVER MEAL IN MATURATION DIET TO ENHANCE REPRODUCTIVE RESPONSE OF DOMESTICATED KELAH *Tor tambroides*
- 188 Nor Maisarah Rameli**, Md. Abdul Kader, Chee Hong Ong
EFFECT OF DIETARY SUPPLEMENTATION OF *Cosmos caudatus* IN BAGRID CATFISH *Mystus nemurus* FINGERLINGS
- 189 Seung-Jun Shin**, Sung-Sam Kim, Hyon-Sob Han, Kyeong-Jun Lee, Jeong-Dae Kim
GROWTH AND FEED UTILIZATION OF STARRY FLOUNDER *Platichthys stellatus* FED DIETS WITH GRADED LEVELS OF PROTEIN
- 190 Shu Wei Tan**, Jiun Yan Loh
NUTRITIONAL COMPOSITIONS AND GROWTH PERFORMANCE OF MEALWORMS *Tenebrio molitor* CULTIVATED WITH DIFFERENT AGRICULTURAL WASTES
- 191 Emilie Willems**, Sjo Zwart
INORGANIC FEED PHOSPHATE IN AQUACULTURE: WINDMILL® AQUAPHOS, THE PHOSPHORUS SOURCE DESIGNED FOR FISHES
- 192 Il-Chang Yang**, Tae-Kyu Lee, Jung-Woo Choi, Tae-Hyun Yoon, Jeong-Dae Kim
PARTIAL REPLACEMENT OF FISH MEAL BY A COMBINATION OF VARIOUS PROTEIN SOURCES IN PRACTICAL EXTRUDED PELLETS FOR STARRY FLOUNDER *Platichthys stellatus*

ALGAE AND MACROPHYTES POSTERS

Board

- 200** **Muhamad Ridzuan Abdul Rahim**, Fatimah Yusoff, Yam Sim Khaw, Natrah Ikhsan
EFFECT OF MICROALGAE-ASSOCIATED BACTERIA ON THE GROWTH OF *Botryococcus braunii* (KÜTZING, 1849)
- 201** **Christaline George**, Caroline Chénard, Chee Yew Leong, Sek-Man Wong, Scott Rice, Diane McDougald, Patrick Martin, Guillaume Drillet, Aurore Trottet, Simone M. Low, Federico Lauro
USING PORTABLE DNA SEQUENCERS FOR RAPID AND PRECISE CHARACTERIZATION OF PHYTOPLANKTON BLOOMS
- 202** **Ince Ayu Kadriah**, Sahabuddin, Nurbaya
POTENTIAL OF MICROALGAE AS AN ALTERNATIVE FOR PREVENTION OF VIBRIOSIS
- 203** **Nik Nazli Effendy Ramli**, Zaidnuddin Ilias, R.A. Roki Mohamed, Zainoddin Jamari
GROWTH RATE OF FIELD FARMING SEAWEED *Kappaphycus* spp. IN LANGKAWI
- 204** **Emma Suryati**, Emi Rosmiati
ACCLIMATIZATION AND PRESERVATION OF SEAWEED *Kappaphycus alvarezii* AS PRODUCT OF PaCS *Cytrat cirtase* TRANSFORMATION FOR ENHANCED RESISTANCE TO ENVIRONMENTAL STRESS IN FLOATING NET CAGE IN PANGKEP WATER
- 205** **Pik Neng Teoh**, Zainoddin Jamari, Nur Awatif Othman
LIGHT EMITTING DIODES AS POSSIBLE LIGHT SOURCE FOR MICROALGAE *Nannochloropsis* sp.
- 206** **Abu Bakar Tumin**, Mohd. Lazim Mohd. Saif, Rosmaria Abu Darim, Amatul Samahah Md Ali, Saberi Mawi
A STUDY ON *Gracilaria* sp. GROWTH RATE CULTURED IN BRACKISHWATER ENVIRONMENT
- 207** **Wahidatul Husna Zuldin**, Rossita Shapawi
A PRELIMINARY STUDY ON THE PERFORMANCE OF “SEA VEGETABLE” *Caulerpa macrodisca* (DECAISNE) WEBER-VAN BOSSE IN CAPTIVITY

LARVICULTURE AND LIVE FEEDS POSTERS

Board

- 217** **Nur Laishatulaini Latib**, Fatimah Md. Yusoff, Norio Nagao, Nizar Hamadon
CULTURE OF TROPICAL ZOOPLANKTON SPECIES *Moina micrura* WITH DIFFERENT TYPES OF DIETS
- 218** **Tony Setia Dharma**, Gigih Setia Wibawa, Ketut Alit
THE HATCHERY TECHNOLOGY OF GOLDEN TREVALLY FISH *Gnathanodon speciosus* (FORSSKAL) FOR THE SUSTAINABLE DEVELOPMENT OF THE AQUACULTURE INDUSTRY IN INDONESIA

AQUATIC ANIMAL HEALTH POSTERS

Board

- 226** **Padilah B. Bakar**, Rimatulhana R. Ramly, Wan Rozana Wan Abdul Rashid, Siti Hawa M.A. Mohamad Ali, Shahidan H. Hashim, Fahmi S. Sudirwan, Siti Zahrah A. Abdullah, Nik Haiha N.Y. Nik Yusoff, Zamri Saad M. Mohamad
EFFICACY OF SIREH EXTRACT *Piper betel* PREVENTION TREATMENT IN PELLETTED FEED AGAINST MOTILE AEROMONADS SEPTICAEMIA (MAS) IN PATIN *Pangasius hypophthalmus* CAGE CULTURE AT PAHANG RIVER, MALAYSIA
- 227** **Iftikhar Ahmad bin Abdul Rafi**, B.C. Kua, A. Kamisa, Nur Ashikin, Nuruljannah H.
PREVALENCE OF *Vibrio* sp. IN CULTURED WHITELEG SHRIMP *Litopenaeus vannamei* ASSOCIATED WITH CLINICAL SIGN OF ACUTE HEPATOPANCREATIC NECROSIS DISEASE (AHPND)
- 228** **Christopher Marlowe Caipang**, Joel Tan, Clara Lay-yag, Sakinah Mulyana
DEVELOPMENT OF AN AUTOGENOUS BACTERIAL VACCINE AGAINST PATHOGENIC *Vibrio alginolyticus* AND AN ASSESSMENT OF ITS PROTECTIVE EFFICIENCY IN RED TILAPIA HYBRIDS *Oreochromis* sp.
- 229** **Tzong-Yueh Chen**, Yuan-Ning Wang, Young-Mao Chen
CHARACTERIZATION OF Mx GENES RESPONSES FOR NODAVIRUS INFECTION IN ORANGE-SPOTTED GROUPER *Epinephelus coioides*
- 230** **Miyoung Cho**, Hyun-Ja Han, Seong Don Hwang, Jee youn Hwang, Jaehun Cheong, Sung-Hee Jung
PNA-PROBE BASED RT-PCR KIT FOR DETECTING THE NV GENE VARIATION OF VIRAL HEMORRHAGIC SEPTICAEMIA VIRUS ISOLATED IN SOUTH KOREA
- 231** **Zhengfeng Ding**
FIRST CASE OF HEPATOPANCREATIC NECROSIS DISEASE (HPND) IN POND-REARED CHINESE MITTEN CRAB *Eriocheir sinensis* ASSOCIATED WITH MICROSPORIDIAN
- 232** **G.I. Godahewa**, N.C.N. Perera, Jehee Lee
FUNCTIONAL CHARACTERIZATION OF BIG-BELLY SEAHORSE *Hippocampus abdominalis* NATURAL KILLER ENHANCING FACTOR-A (NKEF-A/Prx1)
- 233** **G. I. Godahewa**, N.C.N. Perera, Jehee Lee
MOLECULAR ASPECTS AND TRANSCRIPTIONAL ANALYSIS OF SH2-DOMAIN CONTAINING LEUKOCYTE PROTEIN FROM BLACK ROCKFISH *Sebastes schlegelii*
- 234** **Hyun Ja Han**, Jung Soo Seo, Jeong Su Park, Haeng Lim Lee, Han Gill Seo, Sung Hee Jung, Se Ryun Kwon
FIRST REPORT OF *Clavinema mariae* (LAYMAN, 1930) (NAMATODA: PHILOMETRIDAE) IN CULTURED ROCKFISH *Sebastes schlegelii* IN CHEONSU BAY, REPUBLIC OF KOREA
- 235** **Abdallah Mansour**, Liang Miao, Cristobal Espinosa, Jose-Maria Beltran, Diana Ceballos, Maria Esteban
THE INTESTINAL IMMUNE RESPONSE (INFLAMMATION, TIGHT JUNCTION PROTEIN AND HUMORAL IMMUNE GENES EXPRESSION) OF GILTHEAD SEABREAM *Sparus aurata* FED MORINGA LEAVES SUPPLEMENTED DIETS

- 236** **Minyoung Oh**, Sukkyoung Lee, Jeongeun Kim, Jehee Lee
MOLECULAR DELINEATION OF THREE CHEMOKINES FROM BIG BELLY SEAHORSE *Hippocampus abdominalis* AND THEIR PUTATIVE ROLE IN THE REGULATION OF INFLAMMATORY RESPONSES
- 237** **Eng Khuan Seng**, De Xun Tan
ISOLATION, CHARACTERIZATION AND AUTOGENOUS BACTERIAL VACCINE DEVELOPMENT FOR A CHRONIC DISEASE AFFECTING BROWN-SPOTTED GROUPER *Epinephelus chlorostigma*
- 238** **Sang Phil Shin**, Chang Nam Jin, Je Hee Lee, Sho Shirakashi
INFECTION KINETICS OF *Kudoa yasunagai* AND EFFECTIVE ULTRAVIOLET IRRADIATION DOSE FOR PREVENTION
- 240** **Jae-Hyun Sim**, Hyun-Boem Choi, Myung-Hwa Jung, Sung-Ju Jung
ORAL VACCINE AGAINST VIRAL HAEMORRHAGIC SEPTICAEMIA (VHS) IN OLIVE FLOUNDER *Paralichthys olivaceus*
- 241** **Sudewi Sudewi**, Zeny Widiastuti, Haryanti Haryanti, Bedjo Selamat, Ketut Mahardika
MILKY HEMOLYMPH DISEASE OF SPINY LOBSTER (MHD-SL) AND ITS EXPERIMENTAL INFECTION IN *Panulirus homarus*
- 242** **Fadzilah Yusof**, Azmi Rani, Saberi Mawi, Zainoddin Jamari
SITROPRO AS AN ALTERNATIVE TREATMENT FOR SEABASS *Lates calcarifer* INFESTED WITH MARINE LEECH *Zeylanicobdella arugamensis*
- 243** **Xuan Minh Tran**, Thanh Dung Tu
INVESTIGATION ON THE DISEASE SITUATION OF KOI CARP *Cyprinus carpio* IN SEVERAL KOI FARMS IN THE MEKONG DELTA
- 244** **Nik Haiha Nik Yusoff**, Mohd Firdaus Nawi, Shuhada Aziz, Mohd Zamri Saad, Siti Zahrah Abdullah, Shaharah Mohd Idris
ANTIBODY RESPONSE AND PROTECTIVE CAPACITY BY VIBRIO-VACCINE DELIVERED THROUGH LIVE FEED IN TIGER GROUPER LARVAE

GENETICS AND BREEDING POSTERS

- Board #**
250 **Zarith Sofia Hamzah**, Yuzine Esa, Annie Christianus, Muhammad Fadhil Syukri Ismail, Siti Fairus Mohamad Yusoff
BREEDING AND EMBRYONIC DEVELOPMENT OF F1 HYBRIDS, *Clarias gariepinus* ♀ (BUCHELL, 1822) AND *Pangasionodon hypophthalmus* ♂ (SAUVAGE, 1878)
- 251** **Mohd Lazim Mohd Saif**, Masazurah A. Rahim, Abu Bakar Tumin, Amatul Samahah M. Ali, Azlina Apandi
GENETIC VARIABILITY OF *Tachypleus gigas* (MULLER), HORSESHOE CRAB FROM JOHOR, INFERRED BY CYTOCHROME OXIDASE SUBUNIT 1 GENE

PRODUCTION SYSTEMS POSTERS

Board

- 260** **Abentin Estim**, Mhd Jefri Lacing, Azizul Julirin, Saleem Mustafa
GROWTH PERFORMANCE OF GIANT FRESHWATER PRAWN AND VEGETABLES
(CHINESE CABBAGE AND LONG BEAN) IN AQUAPONICS WITH AND WITHOUT GRAVEL
AS MEDIA FILTER
- 262** **Eng Wah Khoo**, Jia Zin Khoo, Kar Fook Yu
GREEN HOUSE HDPE LINER POND MESOCOSM FOR CONSISTENT HATCHERY
PRODUCTION OF MARINE FINFISH IN MALAYSIA
- 263** **Shaharah Mohd Idris**, Aluwi Sulaiman, Nik Haiha Nik Yusoff, Zainuddin
Jambari, Siti Zahrah Ahmad
THE USE OF RECIRCULATION SYSTEM ON PRODUCTION OF ROTIFER
Brachionus plicatilis IN FISHERIES RESEARCH INSTITUTE TG. DEMONG

POSTERS

BIOLOGY AND PHYSIOLOGY POSTERS

Board

- 270** **Young Min Choi**, Boin Lee, Yunkyung Lee, Bong Joo Lee, Kang Woong Kim,
Kyung Duck Kim, Hyon Sob Han
HYPERPLASTIC AND HYPERTROPHIC GROWTH OF MUSCLE FIBER AS RELATED TO
MUSCLE GROWTH IN OLIVE FLOUNDER *Paralichthys olivaceus*
- 271** **Syuhaida Isa**, Rozihan Mohamed, Akbar John, Mohd Akmal Sobari, Joni Haryadi,
Yuzine Esa
ALLOMETRY OF MANGROVE HORSESHOE CRAB *Carcinoscorpius rotundicauda* FROM
THE EAST OF PENINSULAR MALAYSIA
- 272** **Michele Muccio**, Rui Alexandre Gonçalves
AQUACULTURE SPECIES ARE EXTREMELY SENSITIVE TO MYCOTOXINS
- 273** **Imelda Rantty**, Karin Pittman
MUCOSAL MAPPING OF SALMON'S SKIN, GILLS AND ESOPHAGUS REACTION TO
HYDROGEN PEROXIDE TREATMENT

ENVIRONMENT AND BIODIVERSITY POSTERS

Board

- 280** **Umi Wahidah Ahmad Dini**, Fatimah Yusoff, Ahmad Zaharin Aris, Zati Sharip
ZOOPLANKTON BIOINDICATORS FOR TROPICAL LAKES OF DIFFERENT TROPHIC STATUS
- 281** **Sandra Atindana**, Olajire Fagbola, Emmanuel Ajani, Elliot Alhassan, Akwasi Ampofo-Yeboah
EXPLORATION OF OYSTER *Crassostrea tulipa* UTILIZATION AND ADAPTATIONS TO CLIMATE CHANGE IN THE FISHERY IN A SOUTH WESTERN WETLAND IN GHANA
- 282** **Akhmad Mustafa**, Kamariah Kamariah, Muhammad Undu
STUDY ON DETERMINATION OF CONCENTRATION CATEGORIES OF SOIL QUALITY VARIABLES IN DIFFERENT DEPTHS IN BRACKISHWATER PONDS OF JAVA ISLAND, INDONESIA
- 283** **Havini Vira**, Jesmond Sammut
FACTORS INFLUENCING THE GROWTH OF INLAND AQUACULTURE IN PAPUA NEW GUINEA

BIOTECHNOLOGY POSTERS

Board

- 290** **Amirthalingam Pavithiran**, S.D.N.K. Bathige, Roopasingam Kugapreethan, Jehanathan Nilojan, Jehee Lee
DECIPHERING OF MOLECULAR CHARACTERS AND IMMUNE RELATED FUNCTIONS OF TWO AKIRIN2 HOMOLOGS FROM BIG BELLY SEAHORSE *Hippocampus abdominalis*
- 291** **Tzong-Yueh Chen**, Chaiw-Yee Teoh, Hao-Hsuan Hsu
A GENETIC DIVERSITY STUDY OF MARBLE GOBY *Oxyeleotris marmorata* IN MALAYSIA AND TAIWAN USING MITOCHONDRIAL D-LOOP AS MARKER
- 292** **G. I. Godahewa**, N.C.N. Perera, Jehee Lee
SUPPRESSOR OF CYTOKINE SIGNALING 3 (SOCS3) MODULATES THE JAK/STAT GENES IN KOREAN BLACK ROCKFISH *Sebastes schlegelii*
- 293** **Nilojan Jehanathan**, Jehee Lee
MOLECULAR, TRANSCRIPTIONAL AND FUNCTIONAL ANALYSIS OF COMPLEMENT COMPONENTS C1-r, C1-s AND C1 INHIBITOR FROM *Sebastes schlegelii*
- 295** **Jianjian Lv**, Baoquan Gao, Ping Liu, Jian Li
HIGH-RESOLUTION LINKAGE MAPPING AIDED BY GENOME SURVEY AND TRANSCRIPTOME SEQUENCING IN *Portunus trituberculatus*: APPLICATIONS IN GROWTH-RELATED QTL AND GENE IDENTIFICATION
- 297** **M.D. Neranjan Tharuka**, S.D.N.K. Bathige, Gabin Kim, Jehee Lee
MOLECULAR CLONING AND CHARACTERIZATION OF TWO GLUTATHIONE S-TRANSFERASE FAMILY PROTEINS FROM BIG BELLY SEAHORSE *Hippocampus abdominalis*
- 298** **Nurul Atikah Wahid**, Yuzine Esa, Rozihan Mohamed, Mohammad Fadhil Syukri Ismail
PRELIMINARY STUDY OF POPULATION GENETIC STRUCTURE AND DEMOGRAPHIC ANALYSIS OF *Eleutheronema tetradactylum* (SHAW, 1804) ALONG STRAIT OF MALACCA BASED ON MITOCHONDRIAL CO1 GENE SEQUENCES

GENERAL AQUACULTURE POSTERS

Board

- 305** **Nursyafiqah Zahidah Azahar**, Che Siti Nur Hanisah Che Nur Rifin, Md. Abdul Kader, Mahbuba Bulbul
EFFECT OF SUBSTRATE AND BLACK WATER ON GROWTH PERFORMANCE AND BODY COMPOSITION OF MALAYSIAN PRAWN *Macrobrachium rosenbergii*
- 306** **Badrulnizam Basri**, Balton Martin, Azhar Hamzah
PRELIMINARY STUDY ON PRODUCTION OF NEOFEMALE BROOD STOCK OF GIANT FRESHWATER PRAWN *Macrobrachium rosenbergii* IN HATCHERY
- 307** **Erna Ernaratnawati**, Ruzkiah Asaf
SOCIO-ECONOMIC CHARACTERISTICS OF COASTAL FISHERMEN SOCIETY IN PULAU MOROTAI
- 308** **Olawumi Fapohunda**, Ibiyemi Esan
IMPROVING NUTRITIONAL SECURITY THROUGH THE METHOD OF DRYING *Heteroclaris* AND *Oreochromis niloticus* FOR PRESERVATION
- 309** **Saadiah Ibrahim**, Abd. Manaf Mohammed Suhaimee, Wing Keong Ng
EFFECTS OF DIFFERENT FORMS OF FEEDS ON FECUNDITY OF FRESHWATER PRAWN *Macrobrachium rosenbergii*
- 310** **Wan Norhana Md Noordin**, Mohd Nor Azman Ayub, A. Rahim Masazurah
CONSUMER ACCEPTANCE TESTING OF GENETICALLY IMPROVED FARMED TILAPIA (GIFT)
- 311** **Norhanizan Sahidin**, Aziz Ahmad
SHOOTS MULTIPLICATION IN ENDEMIC AQUATIC PLANTS *Cryptocoryne elliptica* USING THIDIAZURON (TDZ)
- 312** **Endang Susianingsih**, Nurhidayah Nurhidayah, Ratna Sari
INHIBITORY TEST OF *Saccharomyces cerevisiae* YEAST TOWARDS *Vibrio parahaemolyticus* BACTERIA