

## Contents

*Journal of Sustainability Science and Management Special Issue No. 3 2017*

*Improving the Health of Setiu Wetlands Ecosystems and Productivity of*

*Crustacean Resources for Livelihood Enhancement*

- i - v            Crustacean Resources for Livelihood Enhancement  
MHD IKHWANUDDIN, WAHIZATUL AFZAN AZMI, MUHAMMAD HAFIZ BORKHANUDDIN,  
SHARIFAH RAHMAH AND IZWANDY IDRIS
- 1-6            [Cytotoxicity of TiO<sub>2</sub> Nanoparticles and effect of Incorporation of NanoTiO<sub>2</sub>-Pedot: PSS Composite in PVAc Coating on Anticorrosive Performance](#)  
NURUL AZIMAH MAHAMAD AZIZ, MOHD SABRI MOHD GHAZALI, WAN RAFIZAH WAN  
ABDULLAH, WAN MOHD NORSANI WAN NIK, NURUL HUDA ABD KADIR, NURUL AIN  
ABDUL RAHIM AND NUR AFIKAH OTHMAN
- 7-13           [Experimental Pollinator Exclusion of \*Sonneratia alba\* suggests Bats are More Important Pollinator Agents than Moths](#)  
NOR ZALIPAH MOHAMED AND AHMAD FADHLI ADZEMI
- 14-22          [Antioxidative Activities and Flavonoids Contents in Leaves of Selected Mangrove Species in Setiu Wetland Extracted using Different Solvents](#)  
NUR HAFIZAH MALIK, ZAMZAHAILA MOHD ZIN, SHAMSUL BAHRI ABD RAZAK,  
KASAWANI IBRAHIM AND MOHAMAD KHAIRI ZAINOL
- 23-28          [A Preliminary Genetic Baseline Data of Chacunda Gizzard Shad, \*Anodontostoma chacunda\* in Setiu Wetland, Terengganu, Malaysia](#)  
TAN MIN PAU, MUHAMMAD NABILSYAFIQ MOHD HAMZAH AND MAZLAN ABD. GHAFFAR
- 29-37          [Some Aspects of Population Biology of Edible Orange Mud Crab, \*Scylla olivacea\* \(Herbst, 1796\) During Pre and Post Monsoon in Setiu Wetland, Terengganu, Malaysia](#)  
NADIRAH MUSA, MOHAMMAD TAJUDDIN ABDUL MANAF, NUR AZNA SAARI,  
NORHAZWANI HAMZAH, WAN NORHAFIZAH WAN IBRAHIM, ALIA SYAFIQAH AZNAN,  
KHAIRULBARIYYAH ZAKARIA, SHAHRUL HAFIZ ABD GHANI, LAITH ABDUL RAZZAK,  
NAJIAH MUSA, SANDRA CATHERINE ZAINATHAN, MOHD EFFENDY ABDUL WAHID,  
FAIZAH SHAHAROM-HARRISON, MOHD AZMI AMBAK, MHD IKHWANUDDIN AND  
MAZLAN ABD. GHAFFAR
- 38-46          [Changes of Histamine Levels and Bacterial Growth in Longtail Tuna, \*Thunnus tonggol\* Stored at Different Temperature](#)  
NURUL AINA SYUHADA MAHUSAIN, FERNANDES BAYOI, NURUL ULFAH KARIM,  
MOHAMAD KHAIRI ZAINOL AND MUHD DANISH-DANIEL
- 47-61          [Effect of Phospholipid Supplements to Fishmeal Replacements on Growth Performance, Feed Utilization and Fatty Acid Composition of Mud Crab, \*Scylla paramamosain\* \(Estampador 1949\)](#)  
MD. ABDUL KADER, MAHBUBA BULBUL, MD. ASADUZZAMAN, AMBOK BOLONG ABOL-  
MUNAFI NOORDIYANA MAT NOORDIN, MHD IKHWANUDDIN, MOHD AZMI AMBAK,  
MAZLAN ABD GHAFFAR AND MD. EAQUB ALI

- 62-74 [\*In vitro\* Evaluation of Probiotic Properties of \*Bacillus licheniformis\* Strain UMTK003 From Gut of Wild Orange Mud Crab, \*Scylla olivacea\* from Setiu Wetlands, Terengganu, Malaysia](#)  
NUR AZNA SAARI, NOR HAZWANI HAMZAH, MOHAMED TAJUDDIN ABDUL MANAF, LEE KOK LEONG, ALIA SYAFIQAH AZNAN, WAN NURHAFIZAH WAN IBRAHIM, NURUL AQILAH IBERAHIM1, KHAIRULBARIYYAH ZAKARIA, NADIRAH MUSA, LAITH ABDUL RAZZAK, MUHD DANISH DANIEL ABDULLAH, SHUMPEI IEAHATA, SANDRA CATHERINE ZAINATHAN, SHARIFAH NOOR EMILIA SYED JAMIL FADAAK, SHARIFAH RAHMAH SYED MUHAMMAD, YEONG YIK SUNG, MAZLAN ABD GHAFFAR, AND NAJIAH MUSA
- 75-84 [Biomaterials Derived from Tamban, \*Sardinella fimbriata\* Tamban Bones as Promising Anodyne Sunscreen](#)  
MOHD ZUL HELMI ROZAINI, HABIBAH HAMZAH, NOR FAZLIYANA MOHTAR, MUHAMMAD HANIF SAINORUDDIN, FAKHRUL RIDHWAN MOHD SOFIAN, MOHD SABRI MOHD GHAZALI, MOHD EFFENDY ABD WAHID, MOHD HASMIZAM RAZALI, SAIDATUL RADHIAH BINTI GHAZALI, NOR HAYATI IBRAHIM AND LOW CHEN FEI
- 85-90 [Infestation of \*Probopyrus sp.\* on \*Macrobrachium lanchesteri\* from Sungai Chalok and Sungai Nyatoh, Terengganu, Malaysia](#)  
MARINA HASSAN, FAIZAH MOHD SHAROUM, MOHD EFFENDY ABD WAHID, MAZLAN ABD GHAFFAR, MOHD AZMI AMBAK, NAJIAH MUSA, SANDRA CATHERINE A/P ZAINATHAN, NUR AMANINA HAMDAN, MOHD BADRUL MOHD KHAIRUL SAHIMI, MOHD IHWAN ZAKARIAH AND SYAFIQAH MD NADZIR
- 91-103 [Gender Differences on the Effects of Honey and Black Seed Mixture Supplementation](#)  
HAYATI MOHD YUSOF, MOHAMAD AZLAN MANAN, NORIZAH MHD SARBON AND ASMA' ALI
- 104-110 [Preliminary Study on Chemical and Physical Properties of Ball Clay and its Sintered Ceramic Pieces from Kampung Dengir, Besut, Terengganu](#)  
SITI NADHIRAH AHMAD ZAID, NUR ATIQA AZWA JOULME MORAD, MOHD AIDIL ADHHA ABDULLAH AND MOHD AL AMIN MUHAMAD NOR
- 111-118 [Quality Analysis Of Anchovies, \*Stelophorus commersonii\* Dried In Drying Racks](#)  
NURUL ULFAH KARIM, NUR FARHAH AHMAD SUFI, MARINA HASAN AND SAYED MOHAMED ZAIN SAYED HASAN
- 119-129 [A Case Study of Coastal Community on Application of Fuzzy Analytic Network Process for Determining Weights of Quality of Life](#)  
SEE XIOU QING AND LAZIM ABDULLAH
- 130-140 [A Sustainable E-Business Model for Rural Women: A Case Study](#)  
SURIYANI MUHAMAD, NORIDA ALI, MASITA @ MASILA ABDUL JALIL, MUSTAFA MAN AND SUHAIRI KAMARUDIN