

Contents

Original Articles

- 1-9 **IMPROVEMENT OF AQUACULTURE WASTEWATER CO-DIGESTION PERFORMANCE BY CATTLE DUNG USING A THERMOPHILIC PILOT REACTOR AND FERTILISER RECOVERY**
Md. Nurul Islam Siddique, Zaied Khalid, Nora'aini Ali, Shahrul Ismail and Mohd Zamri Ibrahim
- 10-27 **SULPHATE REDUCTION IN WASTE CONCRETE AGGREGATE USING *Bacillus Subtilis***
Nurhanim Abdul Aziz, Putri Anis Syahira Mohamed Jamil, Mohd Zarir Yusoff and Norli Ismail
- 28-35 **PHYSICAL MODELLING OF NATURAL COASTAL PROTECTION SYSTEM: CONTRIBUTION OF GREEN MUSSELS TO THE EFFECTIVENESS OF NATURAL COASTAL PROTECTION SYSTEMS**
Nita Yuanita, Alamsyah Kurniawan, Zaki Fauzan Azzaino, Velicia Nurman, Muhammad Apri Muharom and Burhanuddin Faiz Muzaki
- 36-45 **HYDROGEN SORPTION IMPROVEMENT OF NaAlH₄ CATALYSED BY K₂SiF₆ FOR SOLID STATE HYDROGEN STORAGE**
Zarina Omar, Anis Nabilah Zuridi, Nurul Shafikah Mohd Mustafa, Muhammad Syarifuddin Yahya and Mohammad Ismail
- 46-56 **DEVELOPMENT OF PAYANG WATER TAXI DRIVING CYCLE USING K-MEANS CLUSTERING METHOD FOR EVALUATION OF ENERGY CONSUMPTION AND EMISSIONS OF PLUG-IN HYBRID ELECTRIC BOAT**
Nurru Anida Ibrahim, Wan Muhammad Aiman Wan Anuar, Ahmad Luqmanul Hakim Ahmad Tarmizi, Siti Norbakyah Jabar and Salisa Abdul Rahman
- 57-72 **MATHEMATICAL PROGRAMMING FOR AN OPTIMISED FISH FEED FORMULATION: TOWARDS SUSTAINABLE RED HYBRID TILAPIA FARMING**
Din Nurul Sakinah, Mubarak Aidilla, Zaulir Zahidah, Liew Hon Jung and Aizam Nur Aidya Hanum
- 73-86 **ASSESSING PREFERENCES AND WILLINGNESS TO PAY FOR RENEWABLE ENERGY INVESTMENT AMONG MANUFACTURING SECTORS IN MALAYSIA: A CHOICE EXPERIMENT METHOD**
Siti Noradiah Amar, Mahirah Kamaludin, Azlina Abd Aziz, Muhamad Rias K V Zainuddin and Khairul Izzuddin Sulaiman

- 87-109 [MAPPING OF SENTIMENT ANALYSIS ON FOOD SECURITY AMONG MALAYSIANS](#)
Noradila Rusli, Lee Yoke Lai, Muhamad Solehin Fitry Rosley, Lee Cher Enn, Maheran Hamzah, Nurul Ezaila Alias, Noraini Bahari, Mohd Razif Mamat
- 110-121 [WATER QUALITY OF BATANG MERAU WATERSHED AND IMPLEMENTATION OF LANDSAT 8 OLI FOR THE TRANSPARENCY OF LAKE KERINCI WATERS](#)
Indang Dewata, Hamdi, Aprizon Putra, Mira Hasti Hasmira, Dwi Marsiska Driptufany, Fajrin, Henny Yulius, Muhammad Hidayat, Rahmadani Yusran and Arman A
- 122-134 [MODEL OF ENVIRONMENTAL ARRANGEMENT FOR PREGNANT WOMEN IN EARLY PREVENTION OF STUNTING USING STRUCTURAL EQUATION MODELING \(SEM\) APPROACH](#)
Erpita Yanti, Yessy Aprihatin, Aprizon Putra and Abdul Razak
- 135-150 [CULTURAL HERITAGE AND SUSTAINABLE RIVER MANAGEMENT: INCORPORATING LOCAL WISDOM IN SUBAYANG RIVER, INDONESIA](#)
Tika Permatasari, Prima Wahyu Titisari, Elfis and Irina Safitri Zen
- 151-169 [A SYSTEMATIC LITERATURE REVIEW OF SOLID WASTE MANAGEMENT POLICY IMPLEMENTATION IN SOUTHEAST ASIA](#)
Mohd Fazli Abdul Aziz and Raja Noriza Raja Ariffin
- Review Articles*
- 170-181 [SYNCHRONISING SOLAR PHOTOVOLTAIC AND GRID SYSTEMS IN RESIDENTIAL ELECTRICAL ENERGY SUPPLY USING THE DIODE BLOCK METHOD](#)
Ojak Abdul Rozak, Mohd Zamri Ibrahim, Muhamad Zalani Daud, Syaiful Bakhri, Seflahir Dinata and Harih Dwisusanto
- 182-202 [A REVIEW OF PREDICTIVE MAINTENANCE APPROACHES FOR CORROSION DETECTION AND MAINTENANCE OF MARINE STRUCTURES](#)
Ahmad Ali Imran Mohd Ali, Md Mahadi Hasan Imran, Shahrizan Jamaludin, Ahmad Faisal Mohamad Ayob, Mohammed Ismail Russtam Suhrab, Syamimi Mohd Norzeli, Saiful Bahri Hasan Basri and Saiful Bahri Mohamed
- 203-237 [EMPLOYEE EXPERIENCE MANAGEMENT AND ITS CRITICAL IMPACT ON THE SUSTAINABLE DEVELOPMENT OF AN ENTERPRISE-A SYSTEMATIC LITERATURE SURVEY WITH META-ANALYSIS](#)
S. Porkodi, Anees Ahmad and Bassam Khalil Hamdan Tabash