

JURNAL KEJURUTERAAN

Jilid/Volume Special Issue 5(2), 2022

ISSN 0128-0198

Study on Energy Efficiency Using Building Information Modelling (BIM) at Shared Library Pagoh Higher Education Hub <i>Tin Eng Sing, Mohd Syafiq Syazwan Mustafa, Anies Faziehan Zakaria, Fatimah Mohamed Yusop Nurdalila Saji, Mohd Fahmi Abdul Rahman & Kamarul Aini Sari</i>	3
Modelling of Sea Water Level During High Tide Using Statistical Method and Neural Network <i>Firdaus Mohamad Hamzah, Wong Khai Seen, Izamarlina Asshaari, Mohd Saifullah Rusiman, Mohd Khairul Amri Kamarudin & Shamsul Rijal Muhammad Sabri</i>	9
Spatial and Temporal Assessment of Marine Water Quality using Statistical Approaches <i>Firdaus Mohamad Hamzah, Mohd Nabil Fikri, Izamarlina Asshaari, Mohd Saifullah Rusiman, Mohd Khairul Amri Kamarudin & Shamsul Rijal Muhammad Sabri</i>	9
A Forecast of Surface Ozone Using Analytical Models: <i>Firdaus Mohamad Hamzah, Ahmad Nazri Tajul Ariffin, Haliza Othman, Norshariani Abd Rahman, Mohd Khairul Amri Kamarudin, Mohd Saifullah Rusiman & Siti Hasliza Ahmad Rusmili</i>	23
The Exploration of the Changes In Surface Ozone by Region and Season <i>Firdaus Mohamad Hamzah, Alyaa Najihah Ishak, Nuryazmin Ahmat Zainuri, Norshariani Abd Rahman, Mohd Khairul Amri Kamarudin, Mohd Saifullah Rusiman & Siti Hasliza Ahmad Rusmili</i>	35
Kesedaran Pengurusan Sisa Botol Plastik di Kalangan Pelajar Kolej Vokasional di Malaysia <i>Norazlinda Mohamad, Haryanti Mohd Affandi & Mohd Effendi @ Ewan Mohd Matore</i>	47
The Evaluation of Ignation Pedagogical Paradigm Framework to Engineering Ethics Education <i>Gerald Victor, Shahrir Abdullah & Haryanti Mohd Affandi</i>	63
Solving SEI Model using Non-Standard Finite Difference and High Order Extrapolation with Variable Step Length <i>Muhamad Hasif Hakimi Md Isa, Noorhelyna Razali, Annie Gorgey & Gulshad Imran</i>	73
Development of Closed-Loop Permanent Magnet Synchronous Motor Drive System Prototype <i>Fardila Mohd Zaihidee, Marizan Mubin, Hang Seng Che & Tang Jing Rui</i>	79
Aliran Lapisan Sempadan Magnetohidrodinamik dalam Karbon Nanotub merentasi Plat Bergerak dengan Kesan Gelinciran dan Radiasi Terma <i>Izamarlina Asshaari, Alias Jedi & Firdaus Mohd Hamzah</i>	91
Integration of the Health Monitoring System with IoT Application in Sports Technology: A Review <i>Wan Nurlisa Wan Ahmad, Mohd Azrul Hisham Mohd Adib, Zulkifli bin Ahmad @ Manap, Fardila Mohd Zaihidee & Mon Redee Sut Txi</i>	101
Pencirian Sifat Mekanikal Bahan dengan Pendekatan Analisis Fraktal <i>Nor Syaheera Mohd Riza, Nuryazmin Ahmat Zainuri, Mohd Zaki Nuawi, Noorhelyna Razali & Haliza Othman</i>	111

Design Analysis of Open and Ducted Propellers in UAV Application <i>Anies Faziehan Zakaria, Mohamed Fariz Mohamed Nasir, Azfarizal bin Mukhtar & Muhd Nazhif Ridzuan</i>	119
The Development of the Future Learning Skills for Graduates in TVET by using Focus Group Discussion <i>Irdayanti Mat Nashir; Ramlee Mustapha, Mohamad Amiruddin Ismail, Siti Hafsyah Idris, Nurul Nazirah Mohd Imam Ma'arof & Rahayu Ahamad Bakhtiar</i>	127
Sustainable Public Awareness on Solid Waste Management and Environmental Care using Logistics Regression <i>Faridah Zulkipli, Zulkifli Mohd Nopiah, Nurul Husna Jamian, Noor Ezlin Ahmad Basri & Cheng Jack Kie</i>	139
Measuring Stability Period of Post-Closure Sanitary Landfill in Malaysia using Double Exponential Smoothing <i>Siti Khadijah Abdul Gani, Zulkifli Mohd Nopiah, Noor Ezlin Ahmad Basri, Wan Siti Adibah Wan Dahalan, Kohei Watanabe & Hassan Basri</i>	149
Aliran Mantap MHD dalam Nanobendalir Hibrid merentasi Plat Bergerak dengan Analisis Regresi <i>Izamarlina Asshaari, Alias Jedi & Firdaus Hamzah</i>	159
Effectiveness and Challenges of Problem-Based Learning Implemented in Engineering Mathematics Courses <i>Haliza Othman, Noorhelyna Razali, Nuryazmin Ahmat Zainuri, Nur Arzilah Ismail, Firdaus Mohd Hamzah & Z. A. Ghani</i>	169
Emotion Recognition and Analysis Of Netizens Based On Micro-Blog During Covid-19 Epidemic <i>Jiao BianBian, R. Leelavathi, N. Lohgheswary & Z. M. Nopiah</i>	177
Content Analysis of Problem-Based Learning on Engineering Students' Unemployment Awareness <i>Mohd Haniff Osman</i>	191
Stability Analysis on Tower Crane Foundation Using Finite Element Method <i>Faizatul Shima & Anuar Kasa</i>	199
Pembangunan Model Matematik Lanjutan untuk Meramal Parameter Pemadatan Tanah Berbutir Halus dari Segi Had Atterberg <i>Nur Hijrah Nasuha Suzaili & Anuar Kasa</i>	207
Analysing The Way Forward to Overcome Barriers in Managing Malaysian TVET-Institution and Industry Partnership <i>Nurul Eizzati Sohimi, Haryanti Mohamad Affandi & Norazlinda Mohamad</i>	217
Modeling and Implementation of Photovoltaic Modules for a DC-DC Boost Converter <i>Z.A. Ghani, S.Safwanah Rosli & H. Othman</i>	225
Job Readiness Elements for Hospitality Graduates: A Pilot Study <i>Noor Mala Othman, Azman Hasan, Anies Faziehan Zakaria & Noorzella Bokhari</i>	233
Statistical Analysis of Rainfall Data in Peninsular Malaysia using Strong Transformation of Cubic Spline Analysis <i>Nur Arzilah Ismail & Wan Zawiah Wan Zain</i>	237