JURNAL KEJURUTERAAN

Jurnal Kejuruteraan 36(2) January 2024	e-ISSN : 2289-7526
Preliminary Evaluation of Traffic Resilience against Potential Earthquake in Penang Island Tey Li-Sian*, Nur Syazwani Roslan, Shahreena Melati Rhasbudin Shah & Yee Hooi Min	1
Tey Li-Stan , Ivai Syazwani Rostan, Sham'eena Metan Rhasonam Shan & Tee 11001 Min	
Mechanical Behaviour Slenderness Ratio of 13 Solid Wall Panels Under Uniformly Distributed Load	
Amir Khomeiny Ruslan*, Noorsuhada Md Nor, Muhammad Akram Ramle, Amril Hadri Jamaludin, Soffian Noor Mat Saliah, Mohd Azrizal Fauzi, Ahmad Syauqi Md Hassan, Muhammad Afiq Tambichik & Nor Azlina Kasim	9
Machine Learning Application for Concrete Surface Defects Automatic Damage Classification	21
Syahrul Fithry Senin*, Khairullah Yusuf, Amer Yusuf & Rohamezan Rohim	21
A Study on the Potential of Sand Liquefaction Hazard at Chukai Sentral, Terengganu Using Plaxis 2D	29
Siti Fatimah Sadikon*, Nurul Ashikin Eshri & Juliana Idrus	
Influence of Arrangement and Configuration of Extraction Wells to the Capture Zone in Pump and Treat System	37
Farzana Izzati Che Daud, Yusyalia Abdul Halim & Kuan Woei Keong*	
Harmonic Excitation Response of Standard Ultrasonic Horn Designs for Machining Nomex Honeycomb Core Composite	
Khurram Hameed Mughal*, Muhammad Asif Mahmood Qureshi, Nasir Hayat, Zia ul Rehman Tahir, Shahzad Ahmad, Adnan Maqbool, Syed Farhan Raza, Asif Ali Qaiser, Fazal Ahmad Khalid & Jianfu Zhang	49
Strength and Water Absorption Properties of Cement Bricks Containing Sago Fine Waste	62
A. Suraya Hani, A.W. Norhayati*, I. Ifaniza & M. Mazizah Ezdiani	

Eko-kejuruteraan dalam Penerapan Pertahanan Pantai berasaskan Alam Semula Jadi Eco-engineering in the Application of Nature-based Coastal Defense Noorashikin Md Noor*, Khairul Nizam Abdul Maulud, Ahmad Tarmizi Mohd Azmi &	71
Siti Norliyana Harun	
Power Loss Assessment in Polymer and Ceramic Insulators due to Aging: An Experimental Study	87
Basit Ali*, Kaniz Fatima, Arman Nadeem, Saud Ali & Usama Zakir	
An Updated Model Using a Reflection Coefficient for Predicting Performance of Pressure-Retarded Osmosis	0.5
Osamah A.H. AL-Musawi, Abdul Wahab Mohammad*, Wei Lun Ang, Hameed B. Mahood & Abdul Amir H. Kadhum	95
Multi Objective Optimization of FDM Parameters Using Taguchi Grey Relation Analysis for PLA Specimen	113
Khushbu Patel*, Shailee Acharya & G. D. Acharya	
Uncertainty Factors of a Finite Element Model using the Fuzzy Analysis Method	
Mohamad Syazwan Zafwan Mohamad Suffian*, Syahiir Kamil, Ahmad Kamal Ariffin, Abdul Hadi Azman & Israr M Ibrahim	123
Students' Perception of the Enforcement Model Approach towards Radicalism Movement in Malaysia Higher Learning Institutions (HLI's)	133
Alice Sabrina Ismail* & Muhammad Mujtaba Habib	
Deep Learning-Based Audio-Visual Speech Recognition for Bosnian Digits	147
Husein Fazlić, Ali Abd Almisre & Nooritawati Md Tahir	147
Slurry Infiltrated Fiber Concrete Properties: A Review	155
Esraa Kh. Abuzaid*, S.A. Osman, Azrul Bin Amutalib & Salah R. Al Zaidee	133
Modelling of Riverine Flooding Using HEC-RAS-A Case Study of Badri Khawar River in KPK, Pakistan	1/0
Saqib Ehsan, Qazi Muhammad Yasir, Rana Muhammad Awais, Talha Sattar, Ghulam Mustafa & Usama Fida	169
Green Retrofitting of Building using BIM-based Sustainability Optimization	
Shizra Mughal, Ali Raza Khoso, Haris Najeeb, Muhammad Sufyan Noor Khan, Tauha Hussain Ali & Shabir Hussain Khahro	179
Optimizing Coal Ash as a Sustainable Substitute of Cement and Aggregate in Structural Concrete	101
Fahad-ul-Rehman Abro, Abdul Salam Buller*, Tariq Ali, Imran Ali Channa,	191

Arshad Iqbal Jarwar*, Khadija Qureshi, Imran Nazir Unar & Zulfiqar Ali Bhatti Design, Fabrication, and Analysis of a Precision Drilling Jig for Waste Reduction: A Low-cost Solution Syed Mustafa Haider*, Abbas Hussain, Shaheryar Atta Khan, Naeem Sarwar & Amir Nawaz Design of Fuzzy Logic based Adaptive Active Power Controller to Enhance Power sharing among DGs in an Autonomous Microgrid Z7 Kinnari Matharani* & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur E.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto-Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor	General Exact Analytical Expressions for Rotation and Displacement of a Timoshenko Beam Under Variable Loads with Validation	199
and Analysis Result Comparison between ETABS and RSAP Muhammad Vousa(**, Mohammad Sohail, Muhammad Tayyab, Muhammad Javedan & Muhammad Habib Reservoir Modelling to assess the Releases and Energy Generation for a Projected Scenario of Tarbela Reservoir in Pakistan Saqib Ehsan *, Muhammad Usman, Muhammad Ahmed Munir, Abdullah Akram & Muhammad Taqi CFD Investigation of Methane Combustion with Excess Air in Can-Type Gas Turbine Combustor Md Shamsuzzaman Zahir, Hasril Hasini *, Nur Irmawati Om, Byan Wahyu Riyandwita & Norfadilah Mansyur Green and Efficient Removal of Toxic Lead and Chromium from Synthetic Leather Tannery Wastewater using Electrocoagulation Arshad lqbal Jarwar *, Khadija Qureshi, Imran Nazir Unar & Zulfiqar Ali Bhatti Design, Fabrication, and Analysis of a Precision Drilling Jig for Waste Reduction: A Low-cost Solution Syed Mustafa Haider *, Abbas Hussain, Shaheryar Atta Khan, Naeem Sarwar & Amir Nawaz Design of Fuzzy Logic based Adaptive Active Power Controller to Enhance Power sharing among DGs in an Autonomous Microgrid Kinnari Matharani * & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur F.A. Azizan *, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim *, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto-Wall Connection of Precast Wall Panel Amril Hadri Jamaludin *, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30	Hafeezullah Channa, Muhammad Mujtaba Shaikh* & Kamran Malik	
Muhammad Joussel ⁸ , Mohammad Sohail, Muhammad Tayyab, Muhammad Javedan & Muhammad Habib Reservoir Modelling to assess the Releases and Energy Generation for a Projected Scenario of Tarbela Reservoir in Pakistan 22 Saqib Ehsan*, Muhammad Usman, Muhammad Ahmed Munir, Abdullah Akram & Muhammad Taqi CFD Investigation of Methane Combustion with Excess Air in Can-Type Gas Turbine Combustor Md Shamsuzzaman Zahir, Hasril Hasini*, Nur Irmawati Om, Byan Wahyu Riyandwita & Norfadilah Mansyur Green and Efficient Removal of Toxic Lead and Chromium from Synthetic Leather Tannery Wastewater using Electrocoagulation 24 Arshad Iqbal Jarwar*, Khadija Qureshi, Imran Nazir Unar & Zulfiqar Ali Bhatti Design, Fabrication, and Analysis of a Precision Drilling Jig for Waste Reduction: A Low-cost Solution Syed Mustafa Haider*, Abbas Hussain, Shaheryar Atta Khan, Naeem Sarwar & Amir Nawaz Design of Fuzzy Logic based Adaptive Active Power Controller to Enhance Power sharing among DGs in an Autonomous Microgrid The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur 28 F.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto-Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor		211
Scenario of Tarbela Reservoir in Pakistan Saqib Ehsan*, Muhammad Usman, Muhammad Ahmed Munir, Abdullah Akram & Muhammad Taqi CFD Investigation of Methane Combustion with Excess Air in Can-Type Gas Turbine Combustor Md Shamsuzzaman Zahir, Hasril Hasini*, Nur Irmawati Om, Byan Wahyu Riyandwita & Norfadilah Mansyur Green and Efficient Removal of Toxic Lead and Chromium from Synthetic Leather Tannery Wastewater using Electrocoagulation Arshad Iqbal Jarwar*, Khadija Qureshi, Imran Nazir Unar & Zulfiqar Ali Bhatti Design, Fabrication, and Analysis of a Precision Drilling Jig for Waste Reduction: A Low-cost Solution Syed Mustafa Haider*, Abbas Hussain, Shaheryar Atta Khan, Naeem Sarwar & Amir Nawaz Design of Fuzzy Logic based Adaptive Active Power Controller to Enhance Power sharing among DGs in an Autonomous Microgrid Kinnari Matharani* & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur F.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto-Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30	· · · · · · · · · · · · · · · · · · ·	211
Saqib Ehsan*, Muhammad Usman, Muhammad Ahmed Munir, Abdullah Akram & Muhammad Taqi CFD Investigation of Methane Combustion with Excess Air in Can-Type Gas Turbine Combustor Md Shamsuzzaman Zahir, Hasril Hasini*, Nur Irmawati Om, Byan Wahyu Riyandwita & Norfadilah Mansyur Green and Efficient Removal of Toxic Lead and Chromium from Synthetic Leather Tannery Wastewater using Electrocoagulation Arshad Iqbal Jarwar*, Khadija Qureshi, Imran Nazir Unar & Zulfiqar Ali Bhatti Design, Fabrication, and Analysis of a Precision Drilling Jig for Waste Reduction: A Low-cost Solution Syed Mustafa Haider*, Abbas Hussain, Shaheryar Atta Khan, Naeem Sarwar & Amir Nawaz Design of Fuzzy Logic based Adaptive Active Power Controller to Enhance Power sharing among DGs in an Autonomous Microgrid Kinnari Matharani* & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur 28 F.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto- Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor		222
Combustor Md Shamsuzzaman Zahir, Hasril Hasini*, Nur Irmawati Om, Byan Wahyu Riyandwita & Norfadilah Mansyur Green and Efficient Removal of Toxic Lead and Chromium from Synthetic Leather Tannery Wastewater using Electrocoagulation Arshad Iqbal Jarwar*, Khadija Qureshi, Imran Nazir Unar & Zulfiqar Ali Bhatti Design, Fabrication, and Analysis of a Precision Drilling Jig for Waste Reduction: A Low-cost Solution Syed Mustafa Haider*, Abbas Hussain, Shaheryar Atta Khan, Naeem Sarwar & Amir Nawaz Design of Fuzzy Logic based Adaptive Active Power Controller to Enhance Power sharing among DGs in an Autonomous Microgrid Kinnari Matharani* & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur F.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto-Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30	•	223
Mad Shamsuzzaman Zahir, Hasril Hasini*, Nur Irmawati Om, Byan Wahyu Riyandwita & Norfadilah Mansyur Green and Efficient Removal of Toxic Lead and Chromium from Synthetic Leather Tannery Wastewater using Electrocoagulation 24 Arshad Iqbal Jarwar*, Khadija Qureshi, Imran Nazir Unar & Zulfiqar Ali Bhatti Design, Fabrication, and Analysis of a Precision Drilling Jig for Waste Reduction: A Low-cost Solution 25 Syed Mustafa Haider*, Abbas Hussain, Shaheryar Atta Khan, Naeem Sarwar & Amir Nawaz Design of Fuzzy Logic based Adaptive Active Power Controller to Enhance Power sharing among DGs in an Autonomous Microgrid 27 Kinnari Matharani* & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur 28 F.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto-Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30		
Tannery Wastewater using Electrocoagulation Arshad Iqbal Jarwar*, Khadija Qureshi, Imran Nazir Unar & Zulfiqar Ali Bhatti Design, Fabrication, and Analysis of a Precision Drilling Jig for Waste Reduction: A Low-cost Solution Syed Mustafa Haider*, Abbas Hussain, Shaheryar Atta Khan, Naeem Sarwar & Amir Nawaz Design of Fuzzy Logic based Adaptive Active Power Controller to Enhance Power sharing among DGs in an Autonomous Microgrid Z7 Kinnari Matharani* & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur E.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto- Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30		233
Design, Fabrication, and Analysis of a Precision Drilling Jig for Waste Reduction: A Low-cost Solution Syed Mustafa Haider*, Abbas Hussain, Shaheryar Atta Khan, Naeem Sarwar & Amir Nawaz Design of Fuzzy Logic based Adaptive Active Power Controller to Enhance Power sharing among DGs in an Autonomous Microgrid 27 Kinnari Matharani* & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur F.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto-Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30	·	249
Low-cost Solution Syed Mustafa Haider*, Abbas Hussain, Shaheryar Atta Khan, Naeem Sarwar & Amir Nawaz Design of Fuzzy Logic based Adaptive Active Power Controller to Enhance Power sharing among DGs in an Autonomous Microgrid Z7 Kinnari Matharani* & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur F.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto- Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30	Arshad Iqbal Jarwar*, Khadija Qureshi, Imran Nazir Unar & Zulfiqar Ali Bhatti	
Design of Fuzzy Logic based Adaptive Active Power Controller to Enhance Power sharing among DGs in an Autonomous Microgrid 27 Kinnari Matharani* & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur F.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto-Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30		250
sharing among DGs in an Autonomous Microgrid Kinnari Matharani* & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur F.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto- Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30		239
Kinnari Matharani* & Hitesh Jariwala The Influence of Pedestrian Characteristic on Pedestrian Speed in Urban Area: A Case Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur E.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto-Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor		273
Study at Jalan Tuanku Abdul Rahman, Kuala Lumpur F.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto-Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30		213
Current 3R Practices on Construction Waste Minimization in Construction Site Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto- Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30	1	287
Mohamad Zain Hashim*, Idris Osman, Siti Hafizan Hassan & Muriatul Khusmah Musa Structural Performance Evaluation of Cross Dapped Connection for Vertical Wallto- Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30	F.A. Azizan*, N.F.S Thalji, Z.A. Rahman, S. Mansor & M.I. Joohari	
Wall Connection of Precast Wall Panel Amril Hadri Jamaludin*, Noorsuhada Md Nor, Amir Khomeiny Ruslan, Soffian Noor 30		297
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Mat Saliah, Nurul Ashikin Ahmad, Ahmad Syauqi Md Hassan, Mohd Azrizal Fauzi & Nor Azian Aziz	Mat Saliah, Nurul Ashikin Ahmad, Ahmad Syauqi Md Hassan, Mohd Azrizal Fauzi &	307
Mental Workload and Road Environment Complexity: Subjective Assessments Nurainaa Kabilmiharbi & Nor Kamaliana Khamis		317

ELV Policy and Management System in Malaysia: Exploratory Study of Dynamics, Rationale and Opportunity through Digitalised Public Services	
	325
Ahmad Nizam Che Kasim, Mohd Shahidan Shaari, Noorazeela Zainol Abidin, Juraini Zainol Abidin, Noor Azuan Hashim, Altaf Hossain Molla & Zambri Harun	
Modelling of SOLO's Car Suspension System	337
Nurzaki Ikhsan*, Ramlan Kasiran & M. Hanif Mat	337
Towards Energy Efficiency in Integrated Inventory Supply Chain Models: A Review	
Muhammad Idham Sabtu, Hawa Hishamuddin*, Nizaroyani Saibani & Mohd Nizam Ab Rahman	345
Structural Design and Mechanism Analysis of Palm Oil Harvester	357
M.A. Yusuff, K.S.M. Wong, K.A. Zakaria, M.N. Sudin & N.M. Daud	337
Particle Swarm Optimized Back Propagation Neural Network for State of Health	
Estimation of Lithium-ion Battery	365
Afida Ayob*, Shaheer Ansari, Aini Hussain, Mohamad Hanif Md Saad & M. S. Hossain Lipu	303
An Overview of the Engine Remanufacturing Process Based on Independent	
Remanufacturers in Malaysia	375
Muhammad Syafiq Sulaiman, Dzuraidah Abd Wahab, Siti Maisarah Mohd Pisal, Mohd Radzi Abu Mansor	
Administering AEC Professionals' Project Delivery Cross-Culture Productivity:	202
Malaysia vs United Kingdom Maszura Abdul Ghafar*	383
Maszura Addul Gilalar	