

JURNAL KEJURUTERAAN

Jilid/Volume 35(3), 2023

ISSN 0128-0198

- The Application of Theory of Planned Behaviour in Pedestrian Safety: A Literature Approach 539
Siti Khairunisa Zainal, Muhamad Nazri Borhan, Muhamad Razuhanafi Mat Yazid & Ahmad Nazrul Hakimi Ibrahim
- Review of 5G Wireless Cellular Network on Covid-19 Pandemic: Digital Healthcare & Challenges 551
Chia Chao Kang, Yee Heng Teh, Jian Ding Tan, Mohammad Mahdi Ariannejad & Siti Balqis Samdin
- RO Reject Water Characteristics, Environmental Impacts and Management 557
Jyoti Vaishnav, Prama Esther Soloman, Chhagan Lal & Pankaj Kumar Jain
- Dynamic Insulation Systems to Control Airborne Transmission of Viruses in Classrooms: A Review of 'Airhouse' Concept 567
Mohd Firrdhaus Mohd-Sahabuddin, Ammar Sadik Dahlan, Azli Mohamad Jamil & Firdaus Muhammad-Sukki
- A Review on Challenges in Telerehabilitation and Human Activity Recognition Approaches during Covid-19 Pandemic 577
Md. Mahmudur Rahman, Kok Beng Gan & Noor Azah Aziz
- The Role of IoT Technologies in Malaysia During the Covid-19 Pandemic: A Mini- Review 587
Nur Amalina Muhamad, Fazlinashatul Suhaidah Zahid, Norhalida Othman & Nor Diyana Md Sin
- Shear Strength Prediction of Treated Soft Clay with Sugarcane Bagasse Ash Using Artificial Intelligence Methods 597
Rufaizal Che Mamat, Azuin Ramli & Sri Atmaja P. Rosyidi
- An Investigation into the Behavior of Disposable Face Masks in Modified Bitumen for Sustainable Transportation Pathways 607
Syahirah Mansor, Nur Amirah Mohd Zamri, Zanariah Abd Rahman, Rozaini Ramli & Ahmad Kamil Arshad
- Influences of Lightweight Foam Concrete Roof Tile Hollow Sections and Thermal Reflective Coating in Cool Roof System 615
Ho Mun Ling, Yew Ming Chian, Yew Ming Kun, Saw Lip Huat & Yeo Wei Hong
- The Performance of Isolated Half-Scissor Like Elements Mechanism Under Compression Axial Load 625
Chai Teck Jung, Tan Cher Siang & Koh Heng Boon
- Hydrodynamic Modelling: Estuary Dynamic Implication to Morphological Changes 635
Shahirah Hayati Mohd Salleh, Wan Hanna Melini Wan Mohtar, Khairul Nizam Abdul Maulud & Ibrahiem Al-Ani
- Assessment of Indoor Thermal Condition on Traditional Vernacular Masjid: A Case Study on Masjid Kampung Laut, Malaysia 647
Nur Athirah binti Khalit, Zuraini binti Denan, Aliyah Nur Zafrah binti Sanusi & Norwina binti Mohd Nawawi
- Earthwork Volumetric Estimation Via Unmanned Aerial System Application: Perception From Penang Contractors 657
Norsyakilah Romeli, Aimee Atikah Zakaria, Faridah Muhamad Halil, Muhammad Aizat Afiq Abd Ghapar & Nurfadzillah Ishak

Effect of Blasting Waste as An Additive in Bitumen Mixtures <i>Saiful Hazman Bin Mokhtar, Ernie Binti Kulian @ Abd Karim & Nur Hanani Binti Daud</i>	671
Microstructural and Thermal Analysis of Warm-Modified Bitumen with Palm Oil Boiler Ash <i>Norliza Mohd Akhir, Shuhaida Harun, Naeem Aziz Memon, Abdalrhman Milad, Muhammad Imran Khan, Muhamad Nazri Borhan & Nur Izz Md Yusoff*</i>	675
Initial Design of Automated Latex Cup Robot Collector on Rough Terrain <i>Xi Bo Khor, Chin Jin Ong, Chong Hooi Lim & Yee Chyan Tan</i>	683
Green Architecture Approach Toward Sustainable Mosques in Malaysia <i>Muhammad Azzam Ismail & Fahanim Abdul Rashid</i>	693
The Acceptance Level of New Safety Helmet Design among Palm Oil Plantation Harvesters in Johor, Malaysia <i>Siti Najihah Abdul Salam, Dayana Hazwani Mohd Suadi Nata & Shamsul Bahri Md Tamrin</i>	699
Optimization of the California Bearing Ratio of Lateritic Soil Stabilized with Rice Husk Ash using Scheffé's Method <i>Ike Ubadinanwa Elvis & Ike Charles Chinwuba</i>	705
The Design of a New 3D Print-in-place Soft Four-Legged Robots with Artificial Intelligence <i>Yong Saan Cern & Yeoh Sheng Ze</i>	717
Improvement of Solar Cell Efficiency and Electrical Energy of a Photovoltaic-Thermal System by Using Nanofluid <i>Marhama Jelita & Habibis Saleh</i>	735
Using Cement as Filler to Enhance Asphalt Mixes Performance in Hot Climate Regions <i>Aioub Guha & Gabriel Assaf</i>	747
Production Enhancement through Integration of Lean, Life Cycle Assessment & Industry 4.0 <i>Tehrim Ijaz, Muhammad Ismail, Syed Mustafa Haider, Muhammad Zeeshan Rafique & Syeda Hadika Jamsheed</i>	755
Faktor Analisis Penilaian Polisi Kenderaan Akhir Hayat <i>Nur Nabila Natasyahani Hairul, Muhamad Razuhanaqi Mat Yazid, Rozmi Ismail, Rosniza Aznie Che Rose, Zurinah Tahir, Nur Atiqah Suparjo Noordin & Charli Sitingjak</i>	767
Implementation of A.I. Vehicle Detection for Traffic Analysis Using In-situ Surveillance Infrastructure <i>Saadullah Hyder, Marjan Gul, Sadiq Hussain, Syed Ilyas Ahmed, Aamir Nazeer & Faheem Ahmed</i>	779