

# JURNAL KEJURUTERAAN

Jilid/Volume 34(3), 2022

ISSN 0128-0198

- E-Procurement Adoption in the Malaysian Construction Sector: Integrating Diffusion of Innovations and Theory of Planned Behaviour Framework 347  
*Noorsaidi Mahat, Asmah Alia Mohamad Bohari, Mohd Azrai Azman, Natasha Khalil, Amira Shazlin Adnan & Mohd Iskandar Abd Malek*
- A Review of Chemical Demineralization and Desulphurization of High Ash & High Sulphur Lignite Coal 353  
*Mansoor Ahmed Lakhmir, Suhail Ahmed Soomro, Imran Nazir Unar & Faheem Akhter*
- Influence of Cutting Fluid on Machining Processes: A Review 365  
*Alaba Oladeji Araoyinbo, Mosunmola Bose Edun, Ayuba Ushe Samuel, Azmi Rahmat, Matthew Biola Biodun & Mohammed Mustafa Albakri*
- A Review Study on Theoretical Comparison Between Time-Dependent Analysis Models for Prestressed Concrete Bridges 375  
*Ali Fadhil Naser*
- Toughening Mechanisms in Particulate Dental Resin-Based Composites: A Short Review 387  
*Fathie Kundie<sup>a\*</sup> & Zainal Arifin Ahmad<sup>b</sup>*
- Determination of Thermal Expansion Coefficient for Ball Grid Array using Digital Image Correlation 395  
*Yat Sheng Kong & Liam Crosbie*
- Mathematical Model to Predict Split Tensile Strength of Concretes in Crude Oil Contaminated Environments 401  
*J. C. Ezihe, O. O. Ugwu, F. O. Okafor*
- Penghasilan Model 3D Tapak Parking Menggunakan Terrestrial Laser Scanner 411  
*Sharifah Lailaton Khadijah binti Syed Abdullah & Siti Kamisah binti Mohd Yusof*
- Evaluating the Performance of Traffic Flow using SIDRA for Roundabouts in Ipoh, Perak 421  
*Samikhah Muhammad & Sharinatol Akmanida Jamaludin*
- Experimental Analysis for Performance of Concrete with Addition of Steel Fibres, SBR and Polypropylene Fibres 429  
*Mohd. Gulfam Pathan, Rajan L. Wankhade, A.M. Shende, Ajay Swaroop & Nuha Mashaan<sup>e</sup>*
- Rainfall Analysis for Rainwater Harvesting in Politeknik Ungku Omar 447  
*Mazlina Alang Othman & Hasliza Zulkifli*
- The Weightage of Environmental Elements for Malaysia State Green Road Index of Rural Area 453  
*Nurul Ashikin Shuhaimi, Noraziah Hamid & Rozana Zakaria<sup>b</sup>*
- A Study of Left Ventricular (LV) Segmentation on Cardiac Cine-MR Images 463  
*Md Atiqur Rahman Ahad & Israt Jahan*

Predictive Analysis of Azure Machine Learning for the Rheological Behaviour of Unaged and Polymer Modified Bitumen <i>Abdalrhman Milad, Sia Zhen Xian, Sayf A. Majeed, Abobaker G. F. Ahmeda, Munder Bilema, Naeem Aziz Memon Ahmed Elmesh &amp; Nur Izzi Md Yusoff</i>	475
Image Watermarking Technique for Digital Al-Quran based on Fibonacci Transform via DWT <i>Nasharuddin Zainal, Seri Mastura Mustaza &amp; Wan Noormaheran Wan Hussin</i>	485
Techno Economic Analysis of Cotton Stalk Biomass Based Bio-Oil Production Using Slow Pyrolysis Process <i>Jinesh B. Shah &amp; Janak B. Valaki</i>	495
Influence of Pelletizing Conditions on Fabricated System Performance, Physical and Mechanical Properties of a Cassava Flour Based Fish Feed <i>Oduntan, Oluwafemi Babatunde, Bamgboye, Adeleke Isaac, O. J. Oladimeji &amp; Olumide Joshua</i>	505
Characterization of Chemical-Physical Properties on a Dried Waste of Sago Pith <i>Nur Tantiyani Ali Othman &amp; Norhafizah Mohd Asnari</i>	517
Numerical Investigation of the Effect of Uniform Cutout on Performance of Ultrasonic Horn for Machining Nomex Honeycomb Core Material <i>Khurram Hameed Mughal, Muhammad Asif Mahmood Qureshi, Asif Ali Qaiser, Fazal Ahmad Khalid, Syed Farhan Raza &amp; Adnan Maqbool</i>	523