Journal of Engineering and Technological Sciences Vol. 56, No. 2, April 2024

CONTENTS

Green Energy Technologies: A Key Driver in Carbon Emission Reduction I Gede Wenten, Khoiruddin Khoiruddin & Utjok Welo Risma Siagian	143
American Sign Language Translation from Deaf-Mute People Based on Novel System Batool A. Sahm, Hassanin Al-Fahaam & Abbas A. Jasim	193
Investigation of the Effect of Silica and Phosphorus Content on the Performance of Active Matrix as Component of Cracking Catalyst Melia Laniwati Gunawan, Carolus Borromeus Rasrendra, Candra Lutfi Widikrama, Rizky Gilang Kurniawan, Lita Marina Nisa, Farhansyah Yusuf Putra Hudaya, I G. B. N. Makertihartha & Subagjo Subagjo	205
Experimental Analysis of Pre-Forming Parameters on Abnormalities, Thickness, and Void Content of Glass/Epoxy Composite In VBO-Oven Cure Manufacturing Nur Hafzareen Md Hanafiah & Abdul Rahim Othman	219
Study on the Stability of Large Retrogressive Landslide and Treatment Technology Guan Jiang, Zhongju Feng, Ruixin Zhao, Yuanmeng Chen & Xiaofei Liu	231
Dynamics Responses of a Block Machine Foundation and a Pile Group Foundation Systems on Stratified Residual Soils in Indonesia by Lumped Mass and Finite Element Methods Endra Susila, Wim Ramartsa Ary, Andhika Sahadewa, Karina Meilawati Eka Putri, Ediansjah Zulkifli & Kresno Wikan Sadono	244
TTailoring BiOBr Photocatalyst: In-situ Bi Doping for Enhanced Photocatalytic Removal of Sulfamethoxazole (SMX) Antibiotic Rana Yousif, Sady Tayh & Abbas F. Jasim	266
Effect of Impact Speed and Position of Pedestrian on Lower Extremity Injuries Caused by a Pickup Truck in Traffic Accidents Ly Hung Anh & Vuong Minh Toan	27 5
Prediction of Rainfall Trends using Mahalanobis-Taguchi System Muhammad Arieffuddin Mohd Jamil, Mohd Yazid Abu, Sri Nur Areena Mohd Zaini, Nurul Haziyani Aris, Nur Syafikah Pinueh, Nur Najmiyah Jaafar, Wan Zuki Azman Wan Muhammad, Faizir Ramlie, Nolia Harudin, Emelia Sari & Nadiatul Adilah Ahmad Abdul Ghani	287
Analysis of Individual Aspects in Riverbank Slums on Sustainable Sanitation Development (Case Study: Bima City, NTB, Indonesia) Gusmiati Gusmiati, Prayatni Soewondo, Dion Awfa, Nico Halomoan, Prasanti Widyasih Sarli & Ahmad Soleh Setiyawan	304

2337-5779



Other Journals published by Institute for Research and Community Service, Institut Teknologi Bandung: Journal of Mathematical and Fundamental Sciences, Journal of ICT Research and Applications, Journal of Visual Art and Design, Journal of Regional and City Planning

Indexed by







Institute for Research and Community Services Institut Teknologi Bandung





stitute for Resea