Journal of Engineering and Technological Sciences Vol. 52, No. 1, February 2020

CONTENTS

Comparison of Surface Characteristics of Medical-grade 316L Stainless Steel Processed by Sand-blasting, Slag Ball-blasting and Shot-blasting Treatments Budi Arifvianto, Muslim Mahardika, Urip Agus Salim & Suyitno	1
Solvent Extraction Optimization of Chlorophyll Dye from Conocarpus Lancifolius Leaves Nawras Jameel Jassim	14
Preparation and Characterization of Biopolymer Electrolyte Membranes Based on LiClO4-complexed Methyl Cellulose as Lithium-ion Battery Separator Sun Theo Constan Lotebulo Ndruru, Deana Wahyuningrum, Bunbun Bundjali & I Made Arcana	28
Reconnaissance on Liquefaction-induced Flow Failure Caused by the 2018 Mw 7.5 Sulawesi Earthquake, Palu, Indonesia Risqi Faris Hidayat, Takashi Kiyota, Naoto Tada, Jun Hayakawa & Hasbullah Nawir	51
Phytoremediation of Mercury Contaminated Soil with the Addition of Compost Rhenny Ratnawati & Faizah	66
Development of Electrode Deposition Methods for Scale-up of Dye Sensitized Solar Cells Anies Mutiari, Wisnu Ananda, Pramujo Widiatmoko, Hary Devianto, Isdiriayani Nurdin, Adriaan, Mhd Ridho Utomo & Hilham Zamriko Koto	81
Identification of Micro-plastics (MPs) in Conventional Tap Water Sourced from Thailand Dinuka Kankanige & Sandhya Babel	95
Developing a Plastic Waste Management Program: From River Basins to Urban Beaches (Case Study) Micaella R.F. Moura, Symone M.P. Falcão, Alisson Caetano da Silva, Alfredo Ribeiro Neto, Suzana M.G.L. Montenegro & Simone Rosa da Silva	108
Adsorption of Gold from Aqueous Systems Using Microbial Thermophilic Proteins	121

Engineering and Technological Sciences







Laksmi Dewi Kasmiarno & Jo Shu Chang