

Table of Contents

Preface

Application of Waste Elimination Theory in Production Processes at Balikpapan Shipyard T. Hidayat, R.J. Rodlian, Suardi and Sabran	1
Factors Analysis for Risk Perception in Fabrication Work M.R. Hardiyanti and R.S. Dewi	7
Evaluation of Recurrent Neural Network Based on Indonesian Speech Synthesis for Small Datasets B. Prihasto and N.F. Azhar	17
Application of System Dynamics Approach for Minapolitan Area Development M. Arif, B. Wirjodirjo and E. Angreni	27
The Accessibility Level of Balikpapan Botanical Garden According to Public Transportation Routes (Balikpapan Botanical Garden Development Concept) R.A. Nugroho, E.D. Syafitri and R. Yorika	35
Analyzing of 1D Resistivity Data to Determine Subsurface Condition on the Development Area of Institut Teknologi Kalimantan (ITK) Balikpapan F.D. Sastrawan, M. Arisalwadi and Rahmania	41
Study on Implementation of ITK Campus Drainage Master Plan (Case Study: Faculty of Mathematics and Natural Sciences) R.M. Kadar Yanti, O.L. Sari and R. Wahyu	47
ZIF-8/Cellulose Acetate Based Mixed Matrix Membranes (MMMs) Synthesis and Characterization P.D. Sutrisna, C. Wijaya, C. Robby and J. Liliani	57
Prediction of State of Charge (SOC) of Battery Electric Vehicle I. Rizianiza and D.M. Shoodiqin	65
Potential and Feasibility Analysis of Biomass Energy from Palm Oil Mills on North Penajam Paser Regency Region F. Nashrulloh, M. Sulaiman and R. Budiarto	73
Effect of Slotted Angle on Savonius Wind Turbine Performance R. Wahyudi, D.M. Kurniawati and A. Djafar	83
The Influence of Energy Released and Machine Performance on the Yield of Biochar from Jengkok Tobacco Processed Using Pyrolysis T. Iskandar, A.C.K. Fitri and S.A. Anggraini	89
An Analyze of Fatigue Life Construction of Lifting Poonton for Small Vessel Alamsyah, W. Setiawan, S.O. Nugroho, R.J. Rodlian, W. Amalia Ika and E.H.A.P. Mangapoi	95
Process Simulation and Economic Analysis of Rhamnolipid Production by <i>Pseudomonas aeruginosa</i> Using Oil Palm Empty Fruit Bunch as Substrate A.G. Fauzi, C.N. Sari, A.F.P. Harahap, M.Y.A. Ramadhan and M. Gozan	103