

## **Contents**

### **About OMase**

### **Scope of JOMase**

### **Manufacturing and Production Engineering**

<b>Title and Authors</b>	<b>Pages</b>
Compressive Strength and Wear Behavior of Palm Slag Composites Using Various Percentage Weight of Materials Content <i>Muftil Badri, Dodi Sofyan Arief, Adhy Prayitno</i>	1 - 4
Computational Simulation in Compactor Components for Plate Product of Palm Slag Composites <i>Dodi Sofyan Arief, Muftil Badri, Adhy Prayitno</i>	5 - 8
Testing Noisy of Machine DLE Gas Engine-30 by Using Numerical Analysis and Digital Signal Processing Method for The Application of Active Noise Control on Case Studies Drone <i>Alfisyahrin, Ikhwansyah Isranuri, Nazwir Fahmi Damanik</i>	9 - 19
Lean Manufacturing Approach for Improvement of SMEs in Indonesian Industry <i>Anita Susilawati, John Tan</i>	20 - 26
Computational Study of Flow Structure after a Bluff Body with the Effect of Underneath Wavy Surface Using RNG-k- $\epsilon$ Model <i>Asral, Jamaluddin, Md Sheriff, Kahar Osman</i>	27 - 33
Effect of Voltage and Deposition Time on the Electrophoretic Deposition of Hydroxyapatite Coatings <i>Ahmad Fadli, Mayang Sari, Amun Amri</i>	34 - 37

### **ISOMase**

**International Society of Ocean, Mechanical and Aerospace  
-Scientists and Engineers-**



Study Accuracy “Roundness on Tester Machine” Production Laboratory Measurement on Mechanical Engineering Department Universitas Riau <i>Dodi Sofyan Arief, Indro Parma, Adhy Prayitno, Herisiswanto, Yohanes</i>	38 - 42
Parametric Study on Bouguet’s Camera Calibration Method Applied for Edge-Based Structural Deflection In-plane Measurement <i>Trihono Sewoyo, Andi Isra Mahyuddin, Tatacipta Dirgantara, Indra Nurhadi</i>	43 - 46
Finite Element Simulation of Bar-Plate Friction Welded Joints Steel Product Subjected to Impact Loading <i>Yohanes, Muftil Badri, Panji Adino, Dodi Sofyan Arief, Musthafa Akbar</i>	47 - 51
Optimization of Biodiesel Production Process from Oil-Palm off Grade using CaO from Chicken Eggshell <i>Z. Helwani, Hari Rionaldo, Drastinawati, Syaiful Bahri, M.R. Othman</i>	52 - 56
Effect of hydroxyapatite loading on protein foaming-consolidation porous alumina <i>Ahmad Fadli, Apriadi Lubis, FajrilAkbara, Komalasari</i>	57 - 59
Flow Characteristic and Natural Convection Heat Transfer Inside Refrigeration Cabin <i>Annisa Wulan Sari, Ary Bachtiar K.P</i>	60 - 64
Comparative Study of Residential Split Air Conditioner as Water Heater (RSACWH) Using R-22 andHCR-22 Refrigerant <i>Azridjal Aziz, Thalal, Rahmat Iman Mainil, Adfhal Kurniawan Mainil</i>	65 - 71
Motorized Transfer Switch with Variable Reluctance Stepping Motor Actuator <i>Budhi Anto, Suwitno, Ambrosius Wahono</i>	72 - 77
Estimation of Wind Energy Over Roof of C Buildings Faculty of Engineering University of Riau <i>Iwan Kurniawan</i>	78 - 83
Effect of Bending to the Strength of Reinforcement Steel Bar in the Peat Water <i>M. Dalil, Kana Sabatul Ikhwan</i>	84 - 89



Motion Responses of Ship Shape Floating Structure using Diffraction Potential	90 - 94
<i>C.L.Siow, J. Koto, H.Yasukawa, A.Matsuda, D.Terada, Hassan Abyn</i>	
Analysis of Hyperthermiain Aneurysm	95 - 99
<i>Tunku Amrul Ilham Tunku Adaham, Mohamad Ikhwan Kori, Kahar Osman, Ahmad Zahran Md. Khudzari, Ishkrizat Taib</i>	
Realibility of Subsea Pipeline API X70 in Different Water Depth	100 -104
<i>Adhy Prayitno, Jaswar Koto, M. Dalil, Abdul Khair</i>	
Fatigue Life Estimation of Ship Structure of Tanker on The Operational at Peat Water and Marine Behavior	105 -110
<i>Adhy Prayitno, M. Dalil, Efi Afrizal</i>	

