

CONTENTS

Development of Thermoelectric Generator for Energy Saving Device Using Exhaust Waste Heat in Patrol Boat <i>Yudha Sukma Perdana, Cahya Kusuma</i>	391
The Effect of a Mixture of Bioethanol with Octane 92 Fuel on Gasoline Engine Vibration <i>Yuniarto Agus Winoko, Hersanda Aditya Pangestu</i>	399
Planning of a Hybrid Propulsion System for Purse Seine Fishing Vessels in Mayangan, Probolinggo, East Java <i>Hadi Prasutiyon, Arif Winarno, Semin, Toto Soeharmono, Erik Sugianto</i>	404
Analysis of The Utilization of Sentinel-2 Imagery for Satellite-Derived Bathymetry Using Lyzenga Algorithm (Case Study: Bali Province) <i>Ni Nyoman Pujianiki, Komang Gede Putra Airlangga, I Gusti Bagus Sila Dharma</i>	413
Effect of Rudder Bulb Installation on Ship Propulsion Performance of Anchor Handling Design VS 491 CD during Towing Barge Operation <i>Harifuddin, I Made Ariana, Beny Cahyono</i>	422
Design of Motorcycle-Passenger Ship (Klotok) Catamaran Type for Kampung Baru Balikpapan - Penajam Paser Utara <i>Suardi, Rizky Risaldo, Andi Mursid Nugraha Arifuddin, Amalia Ika Wulandari, Wira Setiawan, Muhammad Uswah Pawara, Alamsyah</i>	430
Analysis Of the Effect Of Impermeability Test On Laminated Board Systems Bamboo Petung On Ship Shell Material Joints <i>Parlindungan Manik, Sarjito Jokosisworo, Tuhfan Jawahiru Basyari</i>	436
Optimization of the Mechanical Properties of Bio-degradable Plastics from Chitosan with Acetic Acid Solvent <i>Ani Purwanti, Eka Sulistyanyingsih, Wisnu Prayogo, Muhammad Yusuf</i>	445
Risk Analysis of Delay in Ship Repair KM Binaiya with Bayesian Network Method <i>Intan Baroroh, Galuh Valent Setiawan, Ali Azhar, Didik Hardianto, Ahmad Basuki Widodo</i>	449
Equivalent Single Layer Approach for Buckling Analysis of Stiffened Panel Under Bi-Axial Compression and Lateral Pressure <i>Teguh Putranto, Ardi Nugroho Yulianto, Dedi Budi Purwanto</i>	460
Lifespan Estimation of Galvanized Steel and Stainless Steel Pipe <i>Mohammad Danil Arifin, Moch Ricky Dariansyah</i>	468



INTERNATIONAL JOURNAL OF MARINE ENGINEERING INNOVATION AND RESEARCH

VOL. 8, NO. 3

SEPTEMBER 2023

Corrosion Rate Estimation of Passenger Ships Ballast System Pipes <i>Moch Ricky Dariansyah, Mohammad Danil Arifin.....</i>	477
Analysis Of The Application Of Safety Culture On Motor Sailing Vessels In Supporting Shipping Safety <i>Rosnani.....</i>	489
Optimizing Injection Molding Parameters to Cycle Time of Bioring Cone Cup Products with Taguchi Method <i>Farizi Rachman, Bayu Wiro Karuniawan, Ika Pramestiani, Noorman Rinanto</i>	494
Marine Ecotourism Development Strategy Based on Creative Local Potential in Binasi Beach <i>Shofian Nanda Adiprayoga, Husnul Yaqin, Tirta Anugerah</i>	501
Diversity of Purse Seine Vessels at Pekalongan Archipelago Fisheries Port (PPN) Above 100 Gross Tonnage <i>Moch Ricky Dariansyah, Yopi Novita, Budhi Hascaryo Iskandar, Indra Jaya, Vita Rumanti...</i>	509
Design of Catamaran Electric-Powered Glass Bottom Boat as a Tourism Facility for Gili Noko Island <i>M. Zulfikar Rahmat, Tri Tiyasmihadi, Kharis Abdullah.....</i>	517
Characteristics of Lateral Acceleration and Vertical Acceleration of the Position of the Vehicle on the Ferry Ro-Ro Car Deck <i>Alamsyah, Wira Setiawan, Daeng Paroka, Nurbaya, Handika Sanjaya Sitanggang, Muh. Reza Fachrul Jaya.....</i>	530
Survival Stability of RoPax Reviewed In Terms of The Water on Deck (WoD) <i>Hasanudin, Ardi Nugroho Yulianto, Achmad Zubaydi, Wasis Dwi Aryawan.....</i>	535
Simulation of Signalless Intersection Handling Using the VISSIM Model at the Punge Intersection, Banda Aceh City, Indonesia <i>M. Isya, Yusria Darma, Rachmat Taufiqy, Juliana Fisaini, M. Faisi Ikhwal, Wisnu Prayogo, I Wayan Koko Suryawan.....</i>	546
A Review: Green Life And Behavior Change for Net Zero by Non Governmental Organizations <i>Wisnu Prayogo, Rachmat Mulyana, Janter Pangaduan Simanjuntak, I Wayan Koko Suryawan, Laili Fitria, Edo Barlian, Putri Lynna A. Luthan, Dion Awfa, Ahmad Daudsyah Imami, Rifka Noor Azizah, Ani Purwanti, Sitepu Amrina Rosyada, Vemi Ridantam, Zhilli Izzadati Khairuni.....</i>	556
Grain Size Analysis of Beach Sand in the Southern Lombok Coastal Zone <i>Fawzan Bhakti Soffa</i>	565



**INTERNATIONAL JOURNAL OF MARINE ENGINEERING
INNOVATION AND RESEARCH**

VOL. 8, NO. 3

SEPTEMBER 2023

**Dynamic Information System for Failure Analysis with It's Application on Ship Main
Engine**

Wolfgang Busse, Nurhadi Siswanto, Muhammad Naufal Bintang 570

