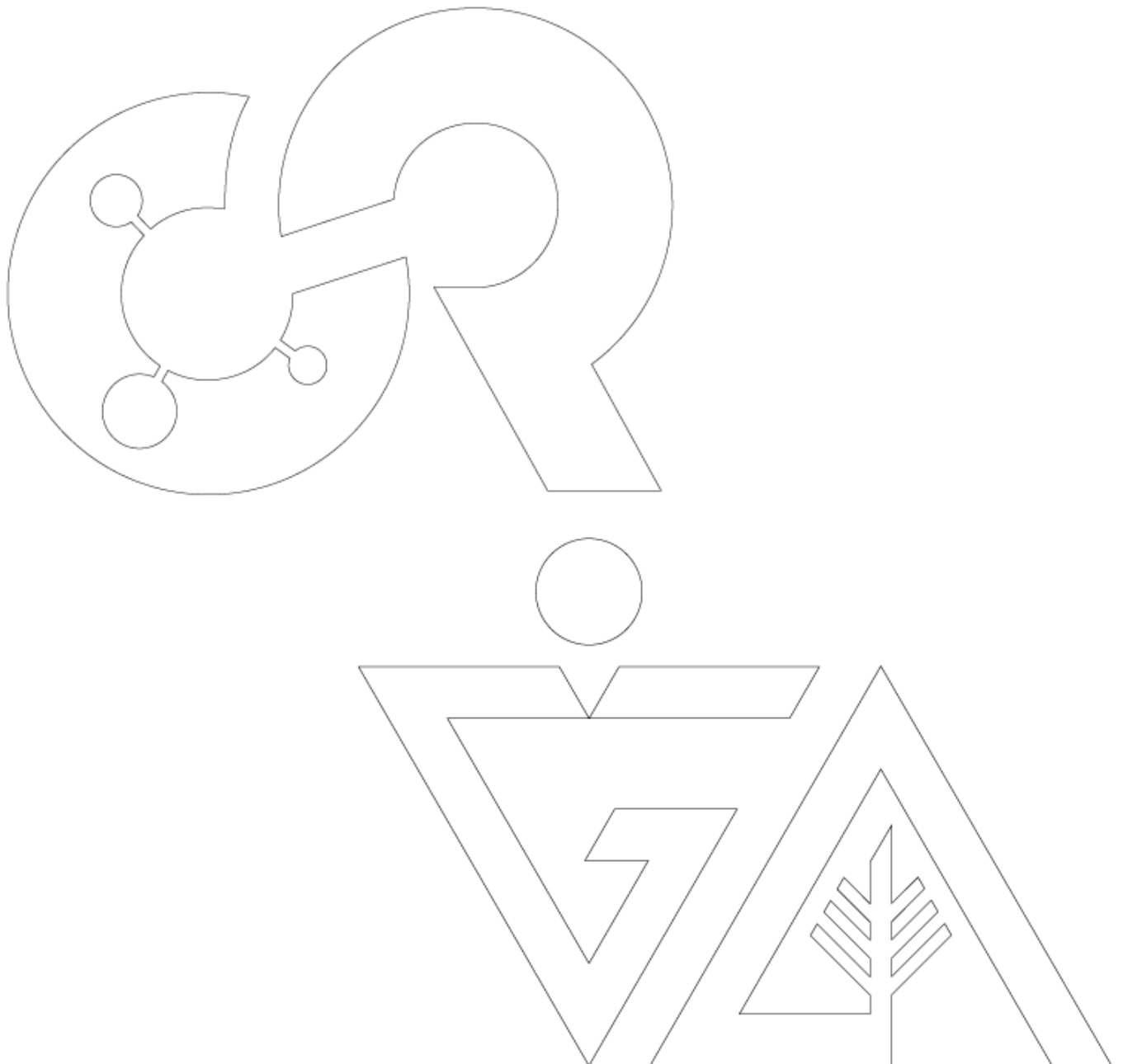

EVERGREEN

Volume.10

Issue.03 September 2023

Joint Journal of
Novel Carbon Resource Sciences & Green Asia Strategy



**Editorial Board for
Evergreen – Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy**

Editor-in-Chief

Jun Tanimoto

Executive Editor

Kyaw Thu

Subject Editors

Andrew Mark Spring, Osama Eljamal, Hiroshi Furuno, Michitaka Ohtaki, Jin Miyawaki
Kiichi Hamamoto, Naoji Yamamoto

Regional Editors

Nasruddin, Agung Tri Wijayanta, Muhammad Sultan

Secretary

Mieko Inoue

Honorary Advisor

Bidyut Baran Saha

Editorial Board

Akira Harata, Aya Hagishima, Kazuhide Ito

**Evergreen – Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy
Volume 10 Issue 3 (September 2023)**

Published by

Transdisciplinary Research and Education Center for Green Technologies, Kyushu University
6-1 Kasuga-koen, Kasuga, Fukuoka 816-8580 Japan
Tel: +81-92-583-7823
Fax: +81-92-583-8909

Journal Website: http://www.tj.kyushu-u.ac.jp/leading/en/c_publication/evergreen.php

E-mail: evergreen@ga.kyushu-u.ac.jp

Copyright: 2023 by

Transdisciplinary Research and Education Center for Green Technologies, Kyushu University
All rights reserved. ISSN: 2189-0420 (Print) ISSN: 2432-5953 (Online)

Evergreen

Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy

Volume 10, Issue 03, September 2023

CONTENTS

Gour Gobinda Goswami, Md. Rubaiyath Sarwar, Mostafizur Rahman, Dulal Chandra Panday, Ishrat Jahan Ishita, Tahmid Labib, Nartam Vivekanand Motiram Why did India Pull Out of Regional Comprehensive Economic Partnership (RCEP)? A Gravity Explanation of the Indian Puzzle	1140
Manoj Sharma, Narayan Lal Jain, Jayant Kishor Purohit Analysis of Circular Economy Enablers in Manufacturing Context for Indian Industries: A ELECTRE method Ranking Process	1156
Gunawan Prayitno, Achmad Efendi, Ainul Hayat, Fikriyah, Hagus Tarno, Aris Subagiyo, Femiana Gapsari, Enock Siankwilimba, Jacqueline Hiddlestone-Mumford Quality of Life and Food Security in Rural Areas of Indonesia: a case study of Sedayulawas Village, Lamongan Regency, Indonesia	1169
Alok Bihari Singh, Chandni Khandelwal, Prabir Sarkar, Govind Sharan Dangayach, Makkhan Lal Meena Achieving Sustainable Development in the Hospitality Industry: An Evidence-Based Empirical Study	1186
Zhanar Moldagazyeva, Mariya Suleimenova, Serik Abdreshov, Sarbinaz Kokanova Development of a Comprehensive Technology for Processing Consumer Waste	1199
Akbota Aitimbetova, Akmaral Batyrkhanova, Arailym Nurtayeva, Razia Isayeva, Gulzhan Bekturyeva Environmental Assessment of Solid Waste Pollution of Urban Areas (on the example of Shymkent, Republic of Kazakhstan)	1209
Nico Rahman Caesar, Uun Yanuhar, Muhammad Musa, Gatot Ciptadi, Heru Suryanto, Yusuf Arif Wahyudi, and Rachmat Noer Soelistyoadi Heavy Metals Contamination and Their Impacts on Fish Responses in Porong River, East Java, Indonesia	1218
Botakoz Yelkenova, Raikhan Beisenova, Rumiya Tazitdinova, Zhanar Rakhymzhan, Nurziya Kariybaeva Accumulation of Heavy Metals in the Needles of Scots Pine of the Semipalatinsk Pre-Irtysh Region and Burabay National Park	1231
Waldemar Izdebski, Sandra Serafin, Viktor Tarasevych The Application of the Life Cycle Assessment Method in Managing the Logistics of Municipal Waste Collection	1242

Bory B. Alikhanov, Sergei V. Samoilov, Vadim I. Sokolov, Leyli P. Seitova Theory of Climate Change Intensity Determination	1253
Hemant Singh, Vinod Kumar, Radha Naruka Criminalization of Spousal Rape in India: An Interference into the Marital Sphere of Spouse, Culture and Social Structure of the Indian Society	1261
Ni Made Wiratini, Wega Trisunaryanti, Triyono, Agus Kuncaka Electrochemical Removal of Remazol Black 5 (RB-5) Using SiO₂/NiO/Ni Nanocomposite Electrocatalyst Deposited on the Surface of Graphite Electrodes	1274
Kumaraswamy J, Anil K C, T R Veena, G. Purushotham, Sunil Kumar K Investigating the Mechanical Properties of Al 7075 Alloy for Automotive Applications: Synthesis and Analysis	1286
Sarsenbek Montayev, Nurgul Montayeva, Ainur Taudaeva, Muratbai Ryskaliyev, Sabit Zharylgapov Investigation of the Compositional Raw Mixtures for Preparation of the Sintered Microporous Material and Mineral Feed Additives	1296
Salprima Yudha S, Charles Banon, Reza Pertiwi, Deni Agus Triawan, Jeong In Han Cost-effective Synthesis of CeO₂-SiO₂ Based on Oil Palm Leaves for the Removal of Toxic Compounds	1307
Ratih Lestari, Tutik Dwi Wahyuningsih, Indriana Kartini High Quantum Yield Nitrogen-Carbon Dots (N-CDs) from Plastic Waste	1313
Anil Kumar, Sonu Singh Fabrication and optimization of wear behaviour of Citrus Limetta Peel particulate composite using Hybrid Taguchi-GRA-PCA	1323
Shashi Prakash Dwivedi, Tarun Kumar Gupta, Ambuj Saxena An Investigation On The Mechanical Properties Of FSP Processed Silicon Nitride Reinforced Aluminum Composite	1330
Bindu. S, M. Prasanna Kumar, Vinay K M Development and Mechanical Properties Evaluation of Basalt-Glass Hybrid Composites	1341
Baldev Singh Rana, Gian Bhushan, Pankaj Chandna The Impact of Nano Fly Ash Particulates on Tribological Performance of Jute /Cotton fiber Reinforced Hybrid Bio-composite	1349
Ashish Kumar Srivastava, Bipin Kumar Singh, Supriya Gupta Prediction of Tool Wear Using Machine Learning Approaches for Machining on Lathe Machine	1357

Sachin Mittal, Vinod Kumar Mittal The Effect of Hardness of Base Material on Tribological Properties of VG-46 Lubricant in Mixed Lubrication Regime	1366
Karna Wijaya, Remi Ayu Pratika, Asma Nadia, Fitria Rahmawati, and Rahadian Zainul, Won Chun Oh, Wahyu Dita Saputri Recent Trends and Application of Nanomaterial Based on Carbon Paste Electrodes: A Short Review	1374
Shradha Sarraf, Surinder Deswal Life Cycle Assessment of a Water Treatment Plant based on Non-Conventional Moving Bed Biofilm Reactor Process	1388
Suyanto, Lina Agustina, Andri Subandriya, Ifanda, Nuraida Tarigan Geothermal Direct Use for Silkworm Cultivation as a CSR Program in Wayang Windu Geothermal Field: Thermal Energy Calculation Approach	1398
Arif Budianto, Rahadi Wirawan, Ramadian Ridho Illahi, Dian Wijaya Kurniawidi, Susi Rahayu, A.A. Ngurah Nara Kusuma, Alfina Taurida Alaydrus A Gravimetry-Based Fine Particle Concentration Measurement System for Humid Environment Using Graphene Oxide Layer	1414
Surmadhur Pant, Gaurav Bhandari Multi Objective Scheduling of CHP based Microgrid Using Manta Ray Optimization Technique	1422
Abhimannu Sharma, Deepak Kumar Raj, Dheeraj Kumar, Amit Kumar, Anup Kumar, Mithilesh Kumar Sahu Design and Development of Novel Solar Concentrating Spittoon to Control the Spread of COVID-19 Virus at Public Places	1430
Louay A. Rasheed, Jamal A.-K. Mohammed, Raed A. Jessam Performance Enhancement of Solar Air Heater by Integrating Innovative Absorber Design and Automatic Control Flow Rate	1439
Niraj Kumar, Manoj Kumar Singh, Vinod Singh Yadav, Vineet Singh, Anurag Maheswari A Comparative Analysis of Ribs and Cans Type Solar AirHeater	1449
Bharat Sharma, Gulshan Sachdeva Performance and Dimensions Determination of an Ejector Utilized in Ejector Cooling Cycle with Eco-Friendly Working Fluids	1460
Surbhi Gupta, Shubhra Dixit, Ajay Sharma Implementing the algebra of Logic approach to analyse the stochastic Behaviour of an Industrial Ice Cream Plant	1479
Muhammad Zainuddin Lubis, Song Hu, Husnul Kausarian, Herika Muhamad Taki, Henry M Manik Sediment Transport and Suspension Analysis to Support Development Planning for Port Pota, East Nusa Tenggara, Indonesia	1487

Vivek Kumar Pathak, Dixit Garg, Ashish Agarwal Analysis of Last Mile Delivery Performance Barriers by the DEMATEL Approach	1495
Lalit N. Patil, Atul A. Patil, Kishor B. Waghulde, Sarika A. Patil, Yashraj M. Patil, Subhash L. Gadhave, Vijaykumar K. Javanjal, Swapnil S. Jadhav Finite Element Analysis for Improved All-Terrain Vehicle Component Design	1508
Najib Aminu Ismail, Mazlan Abdul Wahid, Aminuddin Sa'at, Abubakar Shitu A Review on the Combustion Characteristics of an Asymmetric Swirling Combustor in Flameless Mode	1522
Atikah Surriani, Oyas Wahyunggoro, Adha Imam Cahyadi A Trajectory Control for Bipedal Walking Robot Using Stochastic-Based Continuous Deep Reinforcement Learning	1538
Sanjeev Kumar, Prateek Kumar Singhal, Vineet Kumar, Laxmi Kant Sagar Optimization of Power Flow using GA Fuzzy Approach	1549
Sai Pranav Krishna, Pushpa Singh Security Challenges in Building Blockchains Bridges and Countermeasures	1558
Heni Sumarti, Sheilla Rully Anggita, Hartono, Fachrizal Rian Pratama, and Alvania Nabila Tasyakuranti Texture-Based Classification of Benign and Malignant Mammography Images using Weka Machine Learning: An Optimal Approach	1570
Yogesh Mishra, Ashish Kumar Singh, Makkhan Lal Meena, and Govind Sharan Dangayach Assessment of Respiratory Health Issues Among Stone Carvers of Rajasthan, India	1581
Nikhil Yadav, M. L. Meena, G. S. Dangayach Investigation of Musculoskeletal Disorders among Pregnant Women Working in Education and Information Technology Sector during Homestay in COVID-19 Pandemic	1588
Avinash Sahu, Rajat Kamble, Bangaru Sai Prakash, and Sangeeta Pandit Postural risk analysis of female artisans engaged in traditional Bell metal castings handicraft in India	1596
Muhammad Luqman Hakim, Dian Purnamasari, Muryadin Muryadin, Fariz Maulana Noor, Putri Virliani, Endah Suwarni, Rina Rina, Nurcholis Nurcholis, Rio Dwi Sakti Wijaya Using trim Control to Improve energy Efficiency on High-Speed Marine Vehicles (HSMV): A Review★	1603
Febrian Isharyadi, Ellia Kristiningrum, Nur Tjahyo Eka Darmayanti, Ihsan Supono, Nur Muhamad Fuad, Muhammad Ghozali, Khairu Rezqi, Sari Andarwati Kunharyanto, Isnaini Rahmadi, Sri Peni Wijayanti Modified Atmosphere Packaging Technology for Indonesian Food Products: The Latest Developments and Potentials★	1616

Ihwan Haryono, Muchammad Taufiq Suryantoro, Budi Rochmanto, Ade Kurniawan, Ahmad Taufiqur Rohman, Muhammad Ma'ruf, Hari Setiapraja, Taufik Yuwono, Nur Muhamad Fuad, Eris Riswandi An Effective Three Level Filtration System for Improved Contaminant Removal in High Ratio Biodiesel Blends★	..... 1633
Muhammad Alfian Santoso, Yureana Wijayanti, Ridwan Budi Prasetyo, Oki Setyandito, Nizam, Aprijanto, Andri Subandriya, Aries Taufiq Kurniawan, Agus Sudaryanto, and Bayu Sutejo A Mini Review: Wave Energy Converters Technology, Potential Applications and Current Research in Indonesia★	..... 1642
Bayu Utomo, Himma Firdaus, Qudsiyyatul Lailiyah, Nanang Kusnandar, Ihsan Supono, Intan Paramudita, Wahyudin P. Syam Investigation The Effect of Various Temperature-Measuring Configurations on The Thermal Efficiency of Liquid Petroleum Gas Stoves★	..... 1651
Joko Santosa, Arief Heru Kuncoro, Afri Dwijatmiko, Nurry Widya Hesty, Arif Darmawan The Role of Nuclear Power Plants in Indonesia towards Net Zero Emissions (NZE) in 2060 with a Multi Regions Approach★	..... 1660
Ristiyanto Adiputra, Muhammad Iqbal Habib, Daif Rahuna, Teguh Muttaqie, Erwandi, Aditya Rio Prabowo, Cahyadi Sugeng Jati Mintarso On the Dynamic Stability of OTEC Cold Water Pipe (CWP) under Variations of Force Balance Descriptions at the Free Inlet★	..... 1674
Arief Heru Kuncoro, Pramudya, La Ode M. A. Wahid, Joko Santosa, Agus Nurrohim, Aminuddin, Nurry Widya Hesty, Silvy Rahmah Fitri Fuel Demand Analysis on the Optimization of Sustainable Electricity System Expansion Planning 2021-2050 in West Kalimantan★	..... 1683
Nurman Firdaus, Baharuddin Ali, Affan Hidayat, Zainul Khaqiqi Nantabah, E.B. Djatmiko, Rudi Walujo P. Preliminary Modeling of Coupled Motion Response for Floating Crane and Suspended Module by Using Boundary Element Approach and Empirical Model ★	..... 1695
Tatik Maftukhah, Sensus Wijonarko, Purwowibowo, Dadang Rustandi, Mahmudi, Siddiq Wahyu Hidayat, Jalu A. Prakosa, Emir Kartarajasa, Ivan Mangaratua Siburian A Method to Present the Uniqueness for Uniform Program Applied in Irrigation Telecontrol★	..... 1708
Dwika Budianto, Budi Ismoyo, Cahyadi, Euis Djubaedah, Arnas Lubis, M. Idrus Alhamid Small-Scale Organic Rankine Cycle Performance Using an Additional Heat Exchanger★	..... 1717
Mohamad Luthfi Ramadiansyah, Edwar Yazid, Midriem Mirdanies, Rahmat, Budi Azhari, Muhammad Fathul Hikmawan Motor Sizing of a Ship-Mounted Two-DoF Manipulator System Considering Variations of Ocean Wave Direction★	..... 1726

<p>Qudsiyyatul Lailiyah, Bayu Utomo, Himma Firdaus, Intan Paramudita, Nanang Kusnandar, Ihsan Supono, Iput Kasiyanto, Hidayat Wiradinata</p> <p>The Effect of Upper and Lower Limit Pressure on the Thermal Performance of Liquefied Petroleum Gas Stove★</p>	1736
<p>Euis Djubaedah, Riza, Asih Kurniasari, Nur Endah Eny S, Agus Nurrohim</p> <p>Projection of the Demand for Charging Stations for Electric Passenger Cars in Indonesia★</p>	1744
<p>Hafsah Halidah, Nurry Hesty, Prasetyo Aji, Ifanda, Dhea Amelia, and Kholid Akhmad</p> <p>Short-Term Wind Forecasting with Weather Data using Deep Learning - Case Study in Baron Techno Park★</p>	1753
<p>Amiruddin Aziz1, Muizuddin Azka, Nur Cholis Majid, Mahfudz Al Huda, Agus Susanto, Khairul Jauhari, Achmad Zaki Rahman, Ratna Nurmayni</p> <p>Influence of Lubrication on Vibration Response and Surface Roughness in Milling of Aluminum 6061★</p>	1762
<p>Kurnia Fajar Adhi Sukra, Anis Sukmono, Lukman Shalahuddin, Achmad Maswan, Siti Yubaidah, Didi Tri Wibowo, Muhammad Yusuf, Muhammad Penta Helios</p> <p>Effects of Battery State of Charge on Fuel Economy of Hybrid Electric Vehicles: An Analysis Using the UN ECE R101 Method★</p>	1770
<p>Luna Ngeljaratan, Mohamed A. Moustafa, Agung Sumarno, Agus Mudo Prasetyo, Dany Perwita Sari, and Maidina</p> <p>Exploratory Study of Drone Data Stabilization with Implications in Vibration-based Structural Health Monitoring★</p>	1776
<p>Bono Pranoto, Ikrar Adilla, Hari Soekarno, Nina Konitat Supriatna, Adrian, Lisna Efiyanti, Dian Anggraini Indrawan, Nurry Widya Hesty, and Silvy Rahmah Fithri</p> <p>Using Satellite Data of Palm Oil Area for Potential Utilization in Calculating Palm Oil Trunk Waste as Cofiring Fuel Biomass★</p>	1784
<p>Dian Purnama Sari, Tuswan Tuswan, Teguh Muttaqie, Meitha Soetardjo, Totok Tri Putrastyo Murwatono, Ridwan Utina, Yuniati Yuniati, Aditya Rio Prabowo, Saefulloh Misbahudin</p> <p>Critical Overview and Challenge of Representative LNG-Fuelled Ships on Potential GHG Emission Reduction★</p>	1792
<p>Tri Muji Susantoro, Sugihardjo, Ketut Wikantika, Djoko Sunarjanto, Usman Pasarai, Bambang Widarsono, Arie Rahmadi, Mohamad Romli, Panca Wahyudi, Sunting Kepies</p> <p>CCUS-EOR Optimization to Achieve Zero Emission Program Targets in Northwest Java Basin★</p>	1809
<p>Asep Hapiddin, Okasatria Novyanto, A.Praba Drijarkara, Muhammad Azzumar, Mohamad Syahadi, Miftahul Munir, Ninuk Ragil Prasasti, Nur Tjahyo Eka Darmayanti, Budhy Basuki, Hidayat Wiradinata</p> <p>The Surface Plate Calibration Comparison Based on The Grid Method★</p>	1819

Muhammad Haekal Habibie, Bendjamin Benny Louhenapessy, Yosi Aristiawan, Jihan Ahmad As-sya'bani, and Krisna Wijaya The Quality Requirements for Small-Scale Low-Pressure Biodigester in Indonesia: Developing Indonesian National Standards and Addressing Consumer Needs★	1826
Nina Konitat Supriatna, Aminuddin, Agus Kismanto, Ibrahim Purawiardi, Rizal Alamsyah, Nurry Widya Hesty, Prima Zuldian, Oni Fariza, Alfonsus Agus Raksodewanto, and Adi Surjosatyo Economic Feasibility Study of Syngas-Derived Garden Waste Biomass as Liquefied Petroleum Gas Substitute in Indonesia: A Case Study for 1-Megawatt Updraft Fixed Bed Gasifier★	1835
Meiyanto Eko Sulisty, Gustav Lukman Adhi Pradhityo, Aam Muharam, Asep Nugroho, Amin, Sunarto Kaleg, Alexander Christhanto Budiman, Sudirja, Rina Ristiana, Reiji Hattori Modeling High Frequency 13.56 MHz Full Bridge Inverter Based on GaN MOSFET for EV Wireless Charging System★	1847
Hens Saputra, Dwi Husodo, SD. Sumbogo Murti, Semuel Pati Senda Preparation And Characterization of MCM-41 Membrane for Biogas Purification ★	1855
Amin, Ariel Putra Wibisono, Aam Muharam, Alexander C. Budiman, Abdul Hapid, Kristian Ismail, Rina Ristiana, Sunarto Kaleg, Sudirja, and Muhamad A. P. Perdana Characterization of Supercapacitors for Electric Vehicles Applications★	1862
Desy Septriana, Unggul Priyanto, Novio Valentino, Sekar Kumala Desi, Restu Siti Nursaadah, Intan Machiya, Neshia Adelia, Bralin Dwiratna, Ali Nurdin, Ilhamsyah Noor The Effect of Activated Carbon Pellet on Hydrothermal Decarboxylation of Palm Olein into Renewable Diesel★	1868
Agus Kismanto, Rizqon Fajar, Nina K.Supriatna, Aminuddin, Fahrudin J.Ermada, Samdi Yarsono, Riardi P.Dewa, Lan M.T Nainggolan, Rizal Alamsyah and Adi Surjosatyo Techno-Economic Assessment of a 1,200 Liter Rotary KilnBatch Reactor for the Production of Oil from Plastic Waste★	1877
Fusia Mirda Yanti, Arfiana, SD. Sumbogo Murti, Novio Valentino, Astri Pertiwi, Septina Is Heriyanti, Gissa Navira Sevie, Erbert Ferdy Destian, Roby Ilham Zulianto, Abu Bakar Muhammad I S Impregnation Effect of Iron (Fe) and Cobalt (Co) on ZSM-5 Zeolite Catalyst from Rice Husk Ash and Coal Fly Ash for Methanol Synthesis★	1889
Taopik Hidayat, Tata Sutardi, Enny Rosmawar P, Wiwie Chaeruni, Rendi Januardi, Sarwo Turinno, Zulramadhanie, Cahyadi Identification for Thermal Energy Optimization in the Process of Esterification Through the Evaluation of Combustion Reactions in Thermal Oil Heater★	1898
Asih Kurniasari, Abdul Wachid Syamroni, Moch Arief Albachrony, Galih Prasetya Dinanta, Danang Yogisworo, Tisha A.A.Jamaluddin, Abdul Aziz Basharah, Cuk Supriyadi Ali Nandar A Method Estimating Plug's Power Usage Pattern for Public Electric Vehicle Charging Stations within Multi-Uncertainty Parameters in Indonesia Urban Area ★	1904

Eka Nurdiana, Vetri Nurliyanti, Dhea Amelia Rianjani, Kholid Akhmad, Asih Kurniasari, Khotimatul Fauziah, Yuli Astriani, and Suhraeni Syafei Performance Analysis and Comparison of a 93.6 kW Grid-Connected Rooftop Photovoltaic System in South Tangerang★	..... 1916
Dewi Rianti Mandasari, Katri Yulianto, Lia Amelia, Amiruddin Aziz, Endra Dwi Purnomo, Faisal, Cuk Supriyadi Ali Nandar Design and Optimization of Brushless DC Motor for Electric Boat Thruster★	..... 1928
Andi Cahyo Prasetyo Tri Nugroho, Buddin Al Hakim, Dany Hendrik, Cahyo Sasmito, Teguh Muttaqie, Amir Tjolleng, Iskendar, Mohammad Arif Kurniawan, and Siti Komariyah Mission Analysis of Small-Scale LNG Carrier as Feeder for East Indonesia: Ambon City as the Hub Terminal★	..... 1938
Meiyanto Eko Sulisty, Rina Ristiana, Sunarto Kaleg, Abdul Hapid, Sudirja, Aam Muharam, Alexander Christhanto Budiman, Abdul Qodir Jaelani, Amin A Comparison of Hydraulic and Electro-Hydraulic Power Steering Control Systems for Increasing Energy Efficiency★	..... 1951
Muhamad Arjuna Putra Perdana, Sudirja, Abdul Hapid, Aam Muharam, Sunarto Kaleg, Amin, Rina Ristiana, and Alexander Christantho Budiman Crashworthiness Enhancement: The Optimization of Vehicle Crash Box Performance by Utilizing Bionic-Albuca Spiralis Thin-Walled Structure★	..... 1961
Tinton Dwi Atmaja, Dalila Mat Said, Sevia Mahdaliza Idrus, Ahmad Fudholi, Ahmad Rajani, Dian Andriani, Rudi Darussalam Integrated Management Framework for Performance Challenges in Rural Off-Grid Microgrids: Addressing Deterioration in Electrification Systems★	..... 1968
Khotimatul Fauziah, Kurniawan, Asih Kurniasari, Yuli Astriani, Bayu Samodra, Didik Rostyono, Eniya Listiani Dewi Performance Test of 1 kW PEM Fuel Cell System to Determine Its Empirical Model★	..... 1982
Wardoyo, D A Wulandari, Rahmat Firdaus, Eko Arif Syaefudin Effect of Storage Time of Boosted Peralite Fuel on Its Physical Properties to Improve Performance on a Single Cylinder 108.2 cc Petrol Engine★	..... 1991
Meiyanto Eko Sulisty, Sunarto Kaleg, Damaris Adi Waskitho, Rina Ristiana, Aam Muharam, Alexander Christantho Budiman, Sudirja, Amin, Kristian Ismail A New Method of The Active Gate Driver for Current Balancing in The Parallel MOSFET Circuits★	..... 1997
Yustina Niken Raharina Hendra, Rutma Pujiwat, Dwi Phalita Upahita, Djoko Prijo Utomo, Sucipto Multiplier Effects Analysis of Development on The High Speed Train Industry on Indonesia National Economic Growth★	..... 2006

Miftahul Munir, Muhammad Azzumar, Mohamad Syahadi, Hadi Sardjono, Asep Hapiddin, Lukluk Khairiyati, Hayati Amalia, Nibras Fitrah Yayienda, Ashri Khusnul Chotimah Alwahid Setiawan, Agah Faisal Development of Automatic Calibration System for Solid-State DC Voltage Standards and Its Validation★	..... 2014
Dany Perwita Sari, Agung Sumarno, Agus Mudo Prasetyo, Maidina, Luna Nurdianti Ngeljaratan Energy Conservation Techniques in Tropical Climate - A Comprehensive Review and Adaptation of the Lamin House for Nusantara★	..... 2021
Muchamad Gozali, Makmuri Nuramin, Djoko Wahyu Karmiadji, Wahyu Sulistiyo, Hedi Purnomo Structural Strength Analysis of 57-Ton Capacity Flat Carriage Coal Transporter with 2x20 Feet Container Subjected to Operation Conditions★	..... 2029
Hermawan Agus Suhartono, Yana Heryana, Gilang Cempaka Kusuma Assessing Toughness of Pressurized Fluid Channel: Experiment using CTOD in Spiral Submerged Arc Welded Pipes★	..... 2038
Dwi Phalita Upahita, Sucipto, Yustina Niken Raharina Hendra, Djoko Prijo Utomo, Maharani Almira Salsabilla, Rutma Pujiwat Influence of Qualitative Factors on Mode Choice between High-Speed Train and Airplane using Logit Model with Dummy Variables: Case Study Jakarta – Surabaya Corridor★	..... 2047

★ 10th International Conference on Sustainable Energy Engineering and Application(ICSEEA 2022)