

# Teuku Meurah Indra Riayatsyah

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

275  
citations

933447

10  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

291  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of biodiesel production methods for <i>Reutealis trisperma</i> biodiesel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 2006-2014.	2.3	71
2	Techno-Economic Analysis and Optimisation of Campus Grid-Connected Hybrid Renewable Energy System Using HOMER Grid. Sustainability, 2022, 14, 7735.	3.2	31
3	Life Cycle Cost and Sensitivity Analysis of <i>Reutealis trisperma</i> as Non-Edible Feedstock for Future Biodiesel Production. Energies, 2017, 10, 877.	3.1	26
4	Effect of Ethanol and Gasoline Blending on the Performance of a Stationary Small Single Cylinder Engine. Arabian Journal for Science and Engineering, 2020, 45, 5793-5802.	3.0	26
5	Current Progress of <i>Jatropha Curcas</i> Commoditisation as Biodiesel Feedstock: A Comprehensive Review. Frontiers in Energy Research, 2022, 9, .	2.3	24
6	Techno-Economic Analysis and Physicochemical Properties of <i>Ceiba pentandra</i> as Second-Generation Biodiesel Based on ASTM D6751 and EN 14214. Processes, 2019, 7, 636.	2.8	20
7	Methodology for implementing power plant efficiency standards for power generation: potential emission reduction. Clean Technologies and Environmental Policy, 2018, 20, 309-327.	4.1	18
8	Experimental Study on the Performance of an SI Engine Fueled by Waste Plastic Pyrolysis Oil-Gasoline Blends. Energies, 2020, 13, 4196.	3.1	14
9	Biodiesel Production from <i>Reutealis trisperma</i> Oil Using Conventional and Ultrasonication through Esterification and Transesterification. Sustainability, 2021, 13, 3350.	3.2	14
10	The effect of dilute acid pre-treatment process in bioethanol production from durian ( <i>Durio</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	0.3	10
11	A new approach to modelling of seasonal soil temperature fluctuations and their impact on the performance of a shallow borehole heat exchanger. Case Studies in Thermal Engineering, 2020, 22, 100781.	5.7	9
12	Mathematical Modelling and Operational Analysis of Combined Vertical-Horizontal Heat Exchanger for Shallow Geothermal Energy Application in Cooling Mode. Energies, 2020, 13, 6598.	3.1	4
13	Techno-economic analysis of bioethanol production from rice straw by liquid-state fermentation. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012048.	0.3	3
14	Optimization of sugar production from Durian seeds via alkaline hydrolysis for second-generation bioethanol production. Clean Energy, 2021, 5, 375-386.	3.2	3
15	The effect of gasoline-waste plastics oil blends on SI engine performance at high-speed rotation. IOP Conference Series: Earth and Environmental Science, 2020, 463, 012002.	0.3	2
16	The Potential Plastic Oil Production from Plastics Waste (PET and LDPE) in Aceh, Indonesia. IOP Conference Series: Earth and Environmental Science, 2020, 505, 012027.	0.3	0