

Widayat Widayat

List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Production of non-food feedstock based biodiesel using acid-base bifunctional heterogeneous catalysts: A review. <i>Fuel</i> , 2022, 314, 122749.	6.4	43
2	The development of heterogeneous catalyst C/CaO/NaOH from waste of green mussel shell (<i>Perna</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.7	42
3	Application of foam-mat drying with egg white for carrageenan: drying rate and product quality aspects. <i>Journal of Food Science and Technology</i> , 2015, 52, 1170-1175.	2.8	40
4	Study on Production Process of Biodiesel from Rubber Seed (<i>Hevea Brasiliensis</i>) by in Situ (Trans)Esterification Method with Acid Catalyst. <i>Energy Procedia</i> , 2013, 32, 64-73.	1.8	37
5	A Review of Bio-lubricant Production from Vegetable Oils Using Esterification Transesterification Process. <i>MATEC Web of Conferences</i> , 2018, 156, 06007.	0.2	32
6	Synthesis and Characterization of ZSM-5 Catalyst at Different Temperatures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 214, 012032.	0.6	27
7	Preparation and Characterization of Anadara Granosa Shells and CaCO ₃ as Heterogeneous Catalyst for Biodiesel Production. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2016, 11, 21-26.	1.1	26
8	The development of fly ash-supported CaO derived from mollusk shell of <i>Anadara granosa</i> and <i>Paphia undulata</i> as heterogeneous CaO catalyst in biodiesel synthesis. <i>International Journal of Energy and Environmental Engineering</i> , 2016, 7, 297-305.	2.5	25
9	Biodiesel Production from Reutealis Trisperma Oil Using KOH Impregnated Eggshell as a Heterogeneous Catalyst. <i>Energies</i> , 2019, 12, 3714.	3.1	19
10	Performance evaluation of modified nano hybrid membrane polyethersulfone-nano ZnO (PES-nano) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 purification. <i>Renewable Energy</i> , 2020, 148, 935-945.	8.9	19
11	Potency of Microalgae as Biodiesel Source in Indonesia. <i>International Journal of Renewable Energy Development</i> , 2012, 1, 23-27.	2.4	17
12	APPLICATION OF <i>Spirulina platensis</i> ON ICE CREAM AND SOFT CHEESE WITH RESPECT TO THEIR NUTRITIONAL AND SENSORY PERSPECTIVES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.4	16
13	Multi-Feedstocks Biodiesel Production from Esterification of <i>Calophyllum inophyllum</i> Oil, Castor Oil, Palm Oil and Waste Cooking Oil. <i>International Journal of Renewable Energy Development</i> , 2020, 9, 119-123.	2.4	16
14	Application of iota and kappa carrageenans to traditional several food using modified cassava flour. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 102, 012056.	0.3	15
15	Preparation of Heterogeneous CaO Catalysts for Biodiesel Production. <i>Journal of Physics: Conference Series</i> , 2017, 877, 012018.	0.4	13
16	Effect of Temperature and Concentration of Zeolite Catalysts from Geothermal Solid Waste in Biodiesel Production from Used Cooking Oil by Esterificationâ€“Transesterification Process. <i>Processes</i> , 2020, 8, 1629.	2.8	13
17	Kinetic Study on Esterification of Oleic Acid with Ultrasound Assisted. <i>Procedia Environmental Sciences</i> , 2015, 23, 78-85.	1.4	12
18	Preparation of KI/Hydroxyapatite Catalyst from Phosphate Rocks and Its Application for Improvement of Biodiesel Production. <i>Molecules</i> , 2020, 25, 2565.	3.8	12

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19	Biodiesel Production from Bulk Frying Oil with Ultrasound Assisted. Research Journal of Applied Sciences, Engineering and Technology, 2013, 6, 1732-1739.	0.1	11
20	Biodiesel Production from Rubber Seed Oil via Esterification Process. International Journal of Renewable Energy Development, 2012, 1, 57-60.	2.4	9
21	Synthesis H-Zeolite catalyst by impregnation KI/KIO ₃ and performance test catalyst for biodiesel production. IOP Conference Series: Materials Science and Engineering, 2016, 107, 012044.	0.6	9
22	Cultivation of Microalgae Chlorella sp on Fresh Water and Waste Water of Tofu Industry. E3S Web of Conferences, 2018, 31, 04009.	0.5	9
23	Biodiesel production from multi feedstock as feed with direct ultrasound assisted. AIP Conference Proceedings, 2015, , .	0.4	8
24	Ultrasound Assisted Esterification of Rubber Seed Oil for Biodiesel Production. International Journal of Renewable Energy Development, 2012, 1, 1-5.	2.4	7
25	Biodiesel Production by Using CaO Catalyst and Ultrasonic Assisted. Journal of Physics: Conference Series, 2017, 877, 012037.	0.4	7
26	Synthesis of Zeolite X Molecular Sieve from Geothermal Solid Waste. Materials Today: Proceedings, 2019, 13, 137-142.	1.8	7
27	Preparation of γ -Fe ₂ O ₃ -Al ₂ O ₃ Catalysts and Catalytic Testing for Biodiesel Production. Materials Today: Proceedings, 2019, 13, 97-102.	1.8	7
28	Synthesis and catalytic evaluation of hematite (γ -Fe ₂ O ₃) magnetic nanoparticles from iron sand for waste cooking oil conversion to produce biodiesel through esterification-transesterification method. IOP Conference Series: Materials Science and Engineering, 0, 509, 012035.	0.6	7
29	ENHANCED ANTI-FOULING BEHAVIOR AND PERFORMANCES OF NANO HYBRID PES-SIO ₂ AND PES-ZNO MEMBRANES FOR PRODUCED WATER TREATMENT. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	6
30	The browning value changes and spectral analysis on the Maillard reaction product from glucose and methionine model system. IOP Conference Series: Earth and Environmental Science, 2018, 102, 012003.	0.3	6
31	Liquid Waste Processing of Tofu Industry for Biomass Production as Raw Material Biodiesel Production. IOP Conference Series: Earth and Environmental Science, 2019, 248, 012064.	0.3	6
32	Effect of Ultraviolet on the Morphology and Performance of PES-Nano-Silica Hybrid Membrane for Produced Water Treatment. Advanced Science Letters, 2017, 23, 5744-5747.	0.2	6
33	Kinetic Study on Ultrasound Assisted Biodiesel Production from Waste Cooking Oil. Journal of Engineering and Technological Sciences, 2015, 47, 374-388.	0.6	6
34	Novel iron sand-derived γ -Fe ₂ O ₃ /CaO ₂ bifunctional catalyst for waste cooking oil-based biodiesel production. Environmental Science and Pollution Research, 2023, 30, 98832-98847.	5.3	6
35	Improvement of Clove Oil Quality by Using Adsorption-distillation Process. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 3867-3871.	0.1	5
36	Study on the effect of different concentration of <i>Spirulina platensis</i> paste added into dried noodle to its quality characteristics. IOP Conference Series: Earth and Environmental Science, 2017, 55, 012068.	0.3	5

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37	Analysis of piperine content in cabe jawa extracts (<i>Piper retrofractum</i> Vahl) using UV spectrophotometry and HPLC. IOP Conference Series: Materials Science and Engineering, 2019, 509, 012025.	0.6	5
38	Bio-oil and Fuel Gas Production from Agricultural Waste via Pyrolysis: A Comparative Study of Oil Palm Empty Fruit Bunches (OPEFB) and Rice Husk. Periodica Polytechnica: Chemical Engineering, 2020, 64, 179-191.	1.1	5
39	Copper and Lead Ions Removal by Electrocoagulation: Process Performance and Implications for Energy Consumption. International Journal of Renewable Energy Development, 2021, 10, 415-424.	2.4	5
40	Development of heterogeneous catalyst from chicken bone and catalytic testing for biodiesel with simultaneous processing. IOP Conference Series: Materials Science and Engineering, 0, 509, 012125.	0.6	5
41	Evaluation and Modification of Processes for Bioethanol Separation and Production. International Journal of Renewable Energy Development, 2012, 1, 15-22.	2.4	4
42	Antioxidant activity and total phenolic content in Red Ginger (<i>Zingiber officinale</i>) based drinks. IOP Conference Series: Earth and Environmental Science, 2018, 102, 012025.	0.3	4
43	Study of Rendement of Red Ginger Essential Oil from Red Ginger Waste by Using Steam Distillation Process. E3S Web of Conferences, 2018, 73, 07002.	0.5	4
44	Characteristic of ZSM-5 catalyst supported by nickel and molybdenum. IOP Conference Series: Materials Science and Engineering, 2019, 509, 012138.	0.6	4
45	Surface modification of ultra thin PES-zeolite using thermal annealing to increase flux and rejection of produced water treatment. AIP Conference Proceedings, 2015, , .	0.4	3
46	Biodiesel production by using heterogeneous catalyst from fly ash and limestone. , 2017, , .		3
47	Determination Hypiodous Acid (HIO) By Peroxidase System Using Peroxidase Enzyme. IOP Conference Series: Earth and Environmental Science, 2018, 116, 012043.	0.3	3
48	Preparation and Characterization of NiMo/Al ₂ O ₃ Catalyst for Hydrocracking Processing. E3S Web of Conferences, 2018, 31, 03011.	0.5	3
49	Photochemical Oxidation Process of Copper from Electroplating Wastewater: Process Performance and Kinetic Study. Processes, 2020, 8, 1276.	2.8	3
50	Production of biodiesel from waste cooking oil using heterogeneous catalysts KI ³ -Al ₂ O ₃ . Journal of Environmental Engineering and Science, 2020, 15, 107-112.	0.8	3
51	The effect of impregnated type at kaolin catalyst on biodiesel production from used cooking oil. AIP Conference Proceedings, 2020, , .	0.4	3
52	Fabrication and Characterization of Nano Hybrid Cellulose Acetate-nanoTiO ₂ /crosslinked Polyvinyl Alcohol Coated Membrane for Crude Clove Oil Purification. Periodica Polytechnica: Chemical Engineering, 2020, 64, 304-319.	1.1	3
53	Physicochemical characteristic of modified edible film made from gelatine of sea bass (<i>Lates</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 157-166.	0.8	3
54	Development of Natural Kaolin as Catalyst for Biodiesel Production. Advanced Science Letters, 2017, 23, 5590-5594.	0.2	3

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55	UV Irradiation and Ozone Treatment of Î ⁹ -Carrageenan: Kinetics and Products Characteristics. Bulletin of Chemical Reaction Engineering and Catalysis, 2020, 15, 319-330.	1.1	3
56	Heat Integration Analysis of Preliminary Plant Design of Glycerol Conversion into Propylene Glycol. International Journal on Engineering Applications, 2019, 7, 204.	0.1	3
57	Hydrocracking of Coconut Oil on the NiO/Silica-Rich Zeolite Synthesized Using a Quaternary Ammonium Surfactant. Indonesian Journal of Chemistry, 2021, 21, 361.	0.8	3
58	Regenerated silica gel as stationary phase on vacuum column chromatography to purify temulawakâ€™s extracts. AIP Conference Proceedings, 2015, , .	0.4	2
59	Optimization of Eugenol Extraction from Clove Oil using Response Surface Methodology. Modern Applied Science, 2015, 9, 68.	0.6	2
60	Biodiesel production with continuous processing and direct Ultrasonic Assisted. , 2016, , .		2
61	Study of Catalyst Variation Effect in Glycerol Conversion Process to Hydrogen Gas by Steam Reforming. IOP Conference Series: Materials Science and Engineering, 2018, 349, 012070.	0.6	2
62	Synthesis and Characterization of Co/Ni/CoNi-ZSM-5 Catalyst for Hydrogen Production. MATEC Web of Conferences, 2018, 156, 06013.	0.2	2
63	Improvement in nano-hybrid membrane PESâ€™nanosilica performance using ultra violet irradiation and acetoneâ€™ethanol immersion for produced water treatment. International Journal of Environmental Science and Technology, 2019, 16, 973-986.	3.5	2
64	Synthesis of silica-rich zeolite using quaternary ammonium-based templates. Journal of Physics: Conference Series, 2020, 1524, 012087.	0.4	2
65	The effect of adding CTAB template in ZSM-5 synthesis. AIP Conference Proceedings, 2017, , .	0.4	2
66	Optimization of biodiesel production from waste cooking oil using Î±-Fe ₂ O ₃ /HAP catalyst via simultaneous esterification-transesterification reaction. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 4050-4061.	2.3	2
67	Effect of initial temperature and concentration of catalyst in polyeugenol production. AIP Conference Proceedings, 2015, , .	0.4	1
68	Biodiesel production from jatropha curcas oil and palm oil by using undirect ultrasonic assisted. , 2016, , .		1
69	Potential of L-fucose isolated from Brown Seaweeds as Promising Natural Emulsifier compare to Carboxymethyl Cellulose (CMC). IOP Conference Series: Earth and Environmental Science, 2018, 116, 012005.	0.3	1
70	Study of utilization liquid smoke and carrageenan as a natural antibacterial in manufacturing beef meatballs. IOP Conference Series: Earth and Environmental Science, 2018, 102, 012060.	0.3	1
71	Biodiesel production from used cooking oil with assisted sun light and Fresnel solar concentrator. AIP Conference Proceedings, 2020, , .	0.4	1
72	PENGARUH KATALIS GENTENG TANAH LIAT DALAM PRODUKSI BAHAN BAKAR CAIR DARI LIMBAH BAN BEKAS DENGAN PROSES PIROLISIS. Jurnal Energi Baru Dan Terbarukan, 2021, 1, 51-58.	0.3	1

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73	Vinasse as Cultivation Medium of <i>Chlorella</i> sp. to Produce Polyhydroxy Butyrate in Various Limited Low-Cost Primary Nutrient. E3S Web of Conferences, 2021, 226, 00018.	0.5	1
74	STARCH PRODUCTION FROM RED GINGER (<i>Zingiber officinale</i> Rosc.). Jurnal Bahan Alam Terbarukan, 2018, 7, .	0.2	1
75	Enhancement of Patchouli Oils Quality Using Traditional Distillation Methods from Batang Indonesia by Plant Improvement. Advanced Science Letters, 2017, 23, 2450-2453.	0.2	1
76	Effect of pH on Nano-Hydroxyapatite Synthesis from Chicken Eggshell Prepared by Electrochemical Method. Advanced Science Letters, 2017, 23, 5733-5735.	0.2	1
77	Palm Oil Milling Effluent (POME) Waste Processing by Using Microalgae <i>Chlamydomonas</i> sp.. , 2022, 1, 63-69.		1
78	Optimization process of tribenzoine production as a glycerol derived product. AIP Conference Proceedings, 2015, , .	0.4	0
79	The optimization process of biodiesel production using multiple feedstock (CPO and Jatropha) with assistance of ultrasound at 40 kHz. AIP Conference Proceedings, 2016, , .	0.4	0
80	Bagian Depan Reaktor Vol 17 No. 2 Juni 2017. Reaktor, 2017, 17, .	0.3	0
81	Bagian Belakang Reaktor Vol 17 No. 2 Juni 2017. Reaktor, 2017, 17, .	0.3	0
82	Thermoelectric application in energy conservation. E3S Web of Conferences, 2018, 73, 01009.	0.5	0
83	Synthesis of Methyl Tertiary Glycerol Ether (MTGE) from glycerol and Tertiary Butyl Alcohol (TBA). IOP Conference Series: Earth and Environmental Science, 2019, 248, 012021.	0.3	0
84	The characteristic of Thermoelectric Energy Generator module installed at the wall of the prime stove. , 2019, , .		0
85	Single-step purification of peroxidase enzyme from Horseradish (<i>Raphanus sativus</i> L.). AIP Conference Proceedings, 2020, , .	0.4	0
86	Biofuel Production from Kapok Seed Oil with Catalytic Cracking Process by Using Microwave. Advanced Science Letters, 2017, 23, 5799-5802.	0.2	0
87	Effect of Liquid Smoke and Carrageenan to Beef Meatball Texture. Advanced Science Letters, 2017, 23, 5780-5782.	0.2	0
88	Physicochemical properties of vacuum packaged snake fruits in the presence of olive leave extract. Food Research, 2020, 4, 250-255.	0.8	0
89	Legal Liability of Automatic Instrument Results in Environmental Laboratory Analysis. E3S Web of Conferences, 2020, 202, 05011.	0.5	0
90	Development of Heterogeneous Alkali Methoxide Catalyst from Fly Ash and Limestone. Chemistry and Chemical Technology, 2020, 14, 521-530.	1.1	0

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91	Kinetic Study of Kapok Seed Oil Esterification using BMIM-PF6 Catalyst. Reaktor, 2020, 20, 138-149.	0.3	0
92	Silica-rich Sodalite Synthesis: The Effect of Variations in Ultrasound Treatment and Hydrothermal Temperature. Jurnal Kimia Sains Dan Aplikasi, 2022, 25, 137-145.	0.4	0
93	Performance of NiMo-Al ₂ O ₃ catalyst in biokerosene production via hydrocracking of dirty palm oil. International Journal of Ambient Energy, 0, , 1-11.	2.5	0
94	The Effect of NaHCO ₃ and Mg ²⁺ Addition in Haematococcus pluvialis Cultivation by Carbon Injection Method. , 2022, 1, 75-83.		0