

# Setiyo Gunawan

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

864  
citations

516561

16  
h-index

526166

27  
g-index

57  
all docs

57  
docs citations

57  
times ranked

856  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Biodiesel production from rice bran oil and supercritical methanol. <i>Bioresource Technology</i> , 2009, 100, 2399-2403.  | 4.8 | 84        |
| 2  | Separation and purification of squalene from soybean oil deodorizer distillate. <i>Separation and Purification Technology</i> , 2008, 60, 128-135.   | 3.9 | 75        |
| 3  | Biodiesel production from rice bran by a two-step in-situ process. <i>Bioresource Technology</i> , 2010, 101, 984-989.   | 4.8 | 73        |
| 4  | A Review of Lignocellulosic-Derived Nanoparticles for Drug Delivery Applications: Lignin Nanoparticles, Xylan Nanoparticles, and Cellulose Nanocrystals. <i>Molecules</i> , 2021, 26, 676.   | 1.7 | 53        |
| 5  | Optimization of cellulose nanocrystals from bamboo shoots using Response Surface Methodology. <i>Heliyon</i> , 2019, 5, e02807.  | 1.4 | 37        |
| 6  | Purification and identification of rice bran oil fatty acid steryl and wax esters. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2006, 83, 449-456.  | 0.8 | 34        |
| 7  | Biodiesel production under subcritical solvent condition using subcritical water treated whole <i>Jatropha curcas</i> seed kernels and possible use of hydrolysates to grow <i>Yarrowia lipolytica</i> . <i>Fuel</i> , 2014, 120, 46-52. | 3.4 | 32        |
| 8  | Rice bran, a potential source of biodiesel production in Indonesia. <i>Industrial Crops and Products</i> , 2011, 33, 624-628.  | 2.5 | 31        |
| 9  | Vegetable Oil Deodorizer Distillate: Characterization, Utilization and Analysis. <i>Separation and Purification Reviews</i> , 2009, 38, 207-241.   | 2.8 | 28        |
| 10 | Isolation and Purification of Fatty Acid Steryl Esters from Soybean Oil Deodorizer Distillate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 7013-7018.   | 1.8 | 24        |
| 11 | Hydrophobic Modification of Cellulose Nanocrystals from Bamboo Shoots Using Rarasaponins. <i>ACS Omega</i> , 2020, 5, 20967-20975.   | 1.6 | 24        |
| 12 | A Simple Two-Step Method for Simultaneous Isolation of Tocopherols and Free Phytosterols from Soybean Oil Deodorizer Distillate with High Purity and Recovery. <i>Separation Science and Technology</i> , 2010, 45, 2437-2446.           | 1.3 | 23        |
| 13 | Facile and Green Synthesis of Starfruit-Like ZIF-L, and Its Optimization Study. <i>Molecules</i> , 2021, 26, 4416.   | 1.7 | 21        |
| 14 | CO <sub>2</sub> Frost Phenomenon for Binary System of Methane-Carbon Dioxide Mixtures. <i>Journal of Engineering and Technological Sciences</i> , 2015, 47, 612-622.   | 0.3 | 21        |
| 15 | Phenolic and flavonoid compounds extraction from <i>Calophyllum inophyllum</i> leaves. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103666.   | 2.3 | 21        |
| 16 | Design and operation of a modified silica gel column chromatography. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2008, 39, 625-633.   | 1.4 | 19        |
| 17 | Isolation and identification of steroidal hydrocarbons in soybean oil deodorizer distillate. <i>Food Chemistry</i> , 2009, 117, 15-19.   | 4.2 | 19        |
| 18 | Identification of phytochemical compounds in <i>Calophyllum inophyllum</i> leaves. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2017, 7, 773-781.  | 0.5 | 19        |

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|----|--|-----|-----------|
| 19 | Optimization of process conditions for tannin content reduction in cassava leaves during solid state fermentation using <i>Saccharomyces cerevisiae</i> . <i>Heliyon</i> , 2019, 5, e02298.  | 1.4 | 18        |
| 20 | Proximate composition of <i>Xylocarpus moluccensis</i> seeds and their oils. <i>Industrial Crops and Products</i> , 2013, 41, 107-112.   | 2.5 | 16        |
| 21 | Application of Ionic Liquid [DMIM]DMP Pretreatment in the Hydrolysis of Sugarcane Bagasse for Biofuel Production. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2015, 10, .   | 0.5 | 15        |
| 22 | The effect of substrate and enzyme concentration on the glucose syrup production from red sorghum starch by enzymatic hydrolysis. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 160, 012002.   | 0.2 | 15        |
| 23 | Preparation of Reducing Sugar Hydrolyzed from High-Lignin Coconut Coir Dust Pretreated by the Recycled Ionic Liquid [mmim][dmp] and Combination with Alkaline. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2015, 10, 8-22.  | 0.5 | 14        |
| 24 | Analysis of trans- and cis fatty acids in fatty acid steryl esters isolated from soybean oil deodoriser distillate. <i>Food Chemistry</i> , 2010, 121, 752-757.  | 4.2 | 13        |
| 25 | Separation and Purification of Triacylglycerols from Nyamplung ( <i>Calophyllum inophyllum</i> ) Oil by Batchwise Solvent Extraction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 3113-3119.  | 1.8 | 13        |
| 26 | Comparative Study of the Preparation of Reducing Sugars Hydrolyzed from High-Lignin Lignocellulose Pretreated with Ionic Liquid, Alkaline Solution and Their Combination. <i>Journal of Engineering and Technological Sciences</i> , 2015, 47, 137-148.  | 0.3 | 13        |
| 27 | The utilization of <i>Xylocarpus moluccensis</i> seed oil as biodiesel feedstock in Indonesia. <i>Industrial Crops and Products</i> , 2014, 52, 286-291.   | 2.5 | 12        |
| 28 | The effect of high oleic and linoleic fatty acid composition for quality and economical of biodiesel from crude <i>Calophyllum inophyllum</i> oil (CCIO) with microwave-assisted extraction (MAE), batchwise solvent extraction (BSE), and combination of MAE and BSE methods. <i>Energy Reports</i> , 2020, 6, 3240-3248. | 2.5 | 12        |
| 29 | Production of Ethanol as a Renewable Energy by Extractive Fermentation. <i>Applied Mechanics and Materials</i> , 0, 493, 300-305.  | 0.2 | 9         |
| 30 | Separation of Nonpolar Lipid from Soybean Oil Deodorizer Distillate by Stirred Batch-Wise Silica Gel Adsorption-Desorption. <i>Separation Science and Technology</i> , 2009, 44, 1621-1637.  | 1.3 | 8         |
| 31 | Comparative Study of Batchwise Solvent Extraction and the Microwave Assisted Extraction Method for the Purification of Triglyceride for Biodiesel Feedstock from Crude <i>Calophyllum Inophyllum</i> Oil (CCIO). <i>International Journal of Technology</i> , 2019, 10, 551.   | 0.4 | 7         |
| 32 | Statistically Optimum HKUST-1 Synthesized by Room Temperature Coordination Modulation Method for the Adsorption of Crystal Violet Dye. <i>Molecules</i> , 2021, 26, 6430.  | 1.7 | 7         |
| 33 | Irresolvable complex mixture of hydrocarbons in soybean oil deodorizer distillate. <i>Journal of Separation Science</i> , 2012, 35, 327-333.   | 1.3 | 5         |
| 34 | Optimization of the fermentation time and bacteria cell concentration in the starter culture for cyanide acid removal from wild cassava ( <i>Manihot glaziovii</i> ). <i>MATEC Web of Conferences</i> , 2018, 156, 01004.  | 0.1 | 5         |
| 35 | Isolation and identification of cholestane and dihydropyrene from <i>Calophyllum inophyllum</i> . <i>Heliyon</i> , 2019, 5, e02893.  | 1.4 | 5         |
| 36 | Effect of initial bacteria cells number and fermentation time on increasing nutritive value of sago flour. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2018, 14, 246-250.   | 0.4 | 5         |

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|----|---|-----|-----------|
| 37 | Kinetic data of extraction of cyanide during the soaking process of cassava leaves. Data in Brief, 2019, 25, 104279.  | 0.5 | 4         |
| 38 | Separation and purification of triglyceride from nyamplung ( <i>Calophyllum inophyllum</i> ) seed oil as biodiesel feedstock by using continuous countercurrent extraction. Malaysian Journal of Fundamental and Applied Sciences, 2020, 16, 18-22. | 0.4 | 4         |
| 39 | Optimization of Solid State Fermentation Conditions for Cyanide Content Reduction in Cassava Leaves using Response Surface Methodology. International Journal of Technology, 2019, 10, 624.   | 0.4 | 4         |
| 40 | Calophyllolide Separation from <i>Calophyllum inophyllum</i> Oil by Silica Gel Adsorption. Materials Science Forum, 0, 988, 101-107.  | 0.3 | 3         |
| 41 | Solid-State Fermentation of Cassava Products for Degradation of Anti-Nutritional Value and Enrichment of Nutritional Value. , 0, , .  |     | 3         |
| 42 | Fatty acid fragmentation of triacylglycerol isolated from crude nyamplung oil. AIP Conference Proceedings, 2017, , .  | 0.3 | 2         |
| 43 | Organic Fertilizer Potential Using <i>Aspergillus niger</i> , <i>Pseudomonas putida</i> and Effective Microorganisms from Coconut Water Waste in Ponorogo, East Java - Indonesia. MATEC Web of Conferences, 2018, 156, 03028.                       | 0.1 | 2         |
| 44 | Effect of solvent polarity levels on separation of xanthone and coumarin from <i>Calophyllum inophyllum</i> leaves extract. IOP Conference Series: Materials Science and Engineering, 2018, 334, 012071.  | 0.3 | 2         |
| 45 | Separation and Purification of Wax from Nyamplung ( <i>Calophyllum inophyllum</i> ) Seed Oil. Materials Science Forum, 0, 964, 1-6.   | 0.3 | 2         |
| 46 | Liquid Organic Fertilizer from Waste of Coconut Porridge Manufacturer and Molasses using Various Microorganisms. IOP Conference Series: Materials Science and Engineering, 2019, 543, 012099.   | 0.3 | 1         |
| 47 | Utilization of Emission Carbon Dioxide Gas into High Economic Value Chemicals: Diethyl Carbonate. IOP Conference Series: Materials Science and Engineering, 2019, 543, 012071.  | 0.3 | 1         |
| 48 | Effect of fermentation time on the quality of modified gadung flour from gadung tuber ( <i>Dioscorea</i> ) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50   | 0.3 | 1         |
| 49 | Production of Liquid Bio-Fertilizer from Old Coconut Water and Molasses using Consortium Microbes. IOP Conference Series: Materials Science and Engineering, 2020, 845, 012007.   | 0.3 | 1         |
| 50 | Reaction kinetics of lactic acid fermentation from bitter cassava ( <i>Manihot glaziovii</i> ) starch by <i>Lactobacillus casei</i> . Indonesian Journal of Biotechnology, 2021, 26, 7.   | 0.1 | 1         |
| 51 | <i>Calophyllum inophyllum</i> : Beneficial Phytochemicals, Their Uses, and Identification. , 0, , .   |     | 1         |
| 52 | Optimization of operating conditions for separation of non polar lipids fraction from soybean oil deodorizer distillate by regenerated silica gel. , 2014, , .  |     | 0         |
| 53 | Simulation of modified sorghum flour production using <i>Lactobacillus plantarum</i> bacteria. AIP Conference Proceedings, 2021, , .  | 0.3 | 0         |
| 54 | Separation of xanthone and vitamin E from <i>Calophyllum inophyllum</i> leaf. Malaysian Journal of Fundamental and Applied Sciences, 2018, 14, 484-489.   | 0.4 | 0         |

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|----|---|-----|-----------|
| 55 | The effects of crude <i>C. inophyllum</i> seed oil to silica gel mass ratio and number of stages on the isolation of wax. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2020, 16, 363-367. | 0.4 | 0         |
| 56 | Kinetics Study of Cellulose Nanocrystals Modification Using Rarasaponins by Elovich Equation. <i>IPTEK: the Journal for Technology and Science</i> , 2021, 31, 318.   | 0.2 | 0         |