

ProfDr Hadiyanto

List of Publications by Year in descending order

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219
papers

2,509
citations

236612

25
h-index

288905

40
g-index

225
all docs

225
docs citations

225
times ranked

2333
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Pro-environmental Behavior from a SocialCognitive Theory Perspective. Procedia Environmental Sciences, 2015, 23, 27-33. | 1.3 | 133 |
| 2 | Hydrodynamic evaluations in high rate algae pond (HRAP) design. Chemical Engineering Journal, 2013, 217, 231-239. | 6.6 | 124 |
| 3 | Overcoming shear stress of microalgae cultures in sparged photobioreactors. Biotechnology and Bioengineering, 2004, 85, 78-85. | 1.7 | 123 |
| 4 | Evaluation of polypropylene plastic degradation and microplastic identification in sediments at Tambak Lorok coastal area, Semarang, Indonesia. Marine Pollution Bulletin, 2020, 151, 110868. | 2.3 | 92 |
| 5 | Quality prediction of bakery products in the initial phase of process design. Innovative Food Science and Emerging Technologies, 2007, 8, 285-298. | 2.7 | 65 |
| 6 | Microbial fuel cells for bioelectricity production from waste as sustainable prospect of future energy sector. Chemosphere, 2022, 287, 132285. | 4.2 | 62 |
| 7 | Comparative Study of Bioactive Substances Extracted from Fresh and Dried Spirulina sp.. Procedia Environmental Sciences, 2015, 23, 282-289. | 1.3 | 58 |
| 8 | Catalyst-Based Synthesis of 2,5-Dimethylfuran from Carbohydrates as a Sustainable Biofuel Production Route. ACS Sustainable Chemistry and Engineering, 2022, 10, 3079-3115. | 3.2 | 56 |
| 9 | Phytoremediations of Palm Oil Mill Effluent (POME) by Using Aquatic Plants and Microalge for Biomass Production. Journal of Environmental Science and Technology, 2013, 6, 79-90. | 0.3 | 55 |
| 10 | Application of machine learning and Box-Behnken design in optimizing engine characteristics operated with a dual-fuel mode of algal biodiesel and waste-derived biogas. International Journal of Hydrogen Energy, 2023, 48, 6738-6760. | 3.8 | 47 |
| 11 | Optimization of Ethanol Production from Whey Through Fed-batch Fermentation Using Kluyveromyces Marxianus. Energy Procedia, 2014, 47, 108-112. | 1.8 | 43 |
| 12 | Multi-Criteria Decision Making (MCDM) Approach for Selecting Solar Plants Site and Technology: A Review. International Journal of Renewable Energy Development, 2019, 8, 15-25. | 1.2 | 43 |
| 13 | The development of heterogeneous catalyst C/CaO/NaOH from waste of green mussel shell (Perna) Tj ETQq1 1 0.784314 rgBT /Over 3.3 42 | | |
| 14 | Ag Doped ZnO Thin Films Synthesized by Spray Coating Technique for Methylene Blue Photodegradation under UV Irradiation. International Journal of Chemical Engineering, 2016, 2016, 1-6. | 1.4 | 41 |
| 15 | Interactions between polyethylene and polypropylene microplastics and Spirulina sp. microalgae in aquatic systems. Heliyon, 2021, 7, e07676. | 1.4 | 40 |
| 16 | Response surface optimization of microalgae microbial fuel cell (MMFC) enhanced by yeast immobilization for bioelectricity production. Chemosphere, 2022, 287, 132275. | 4.2 | 39 |
| 17 | Study on Production Process of Biodiesel from Rubber Seed (Hevea Brasiliensis) by in Situ (Trans)Esterification Method with Acid Catalyst. Energy Procedia, 2013, 32, 64-73. | 1.8 | 37 |
| 18 | Assessing Carbon Stock and Sequestration of the Tropical Seagrass Meadows in Indonesia. Ocean Science Journal, 2020, 55, 85-97. | 0.6 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Response Surface Optimization of Ultrasound Assisted Extraction (UAE) of Phycocyanin from Microalgae <i>Spirulina platensis</i> . <i>Emirates Journal of Food and Agriculture</i> , 2016, 28, 227. | 1.0 | 36 |
| 20 | Kinetic study on the effects of sugar addition on the thermal degradation of phycocyanin from <i>Spirulina sp.</i> . <i>Food Bioscience</i> , 2018, 22, 85-90. | 2.0 | 34 |
| 21 | Effects of drying temperature and relative humidity on the quality of dried onion slice. <i>Heliyon</i> , 2020, 6, e04338. | 1.4 | 33 |
| 22 | Product quality driven design of bakery operations using dynamic optimization. <i>Journal of Food Engineering</i> , 2008, 86, 399-413. | 2.7 | 31 |
| 23 | Control vector parameterization with sensitivity based refinement applied to baking optimization. <i>Food and Bioproducts Processing</i> , 2008, 86, 130-141. | 1.8 | 29 |
| 24 | Influence of Various Basin Types on Performance of Passive Solar Still: A Review. <i>International Journal of Renewable Energy Development</i> , 2021, 10, 789-802. | 1.2 | 29 |
| 25 | A Review on the Performance, Combustion, and Emission Characteristics of Spark-Ignition Engine Fueled With 2,5-Dimethylfuran Compared to Ethanol and Gasoline. <i>Journal of Energy Resources Technology</i> , Transactions of the ASME, 2021, 143, . | 1.4 | 29 |
| 26 | Optimum Design of Manganese-coated Copper Catalytic Converter to Reduce Carbon Monoxide Emissions on Gasoline Motor. <i>Procedia Environmental Sciences</i> , 2015, 23, 86-92. | 1.3 | 28 |
| 27 | Preparation and Characterization of <i>Anadara Granosa</i> Shells and CaCO ₃ as Heterogeneous Catalyst for Biodiesel Production. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2016, 11, 21-26. | 0.5 | 26 |
| 28 | 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. | 1.3 | 25 |
| 29 | Cultivation of <i>Chlorella sp.</i> as Biofuel Sources in Palm Oil Mill Effluent (POME). <i>International Journal of Renewable Energy Development</i> , 2012, 1, 45-49. | 1.2 | 23 |
| 30 | Ethanol Production from Whey by <i>Kluyveromyces marxianus</i> in Batch Fermentation System: Kinetics Parameters Estimation. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2013, 7, 179-184. | 0.5 | 23 |
| 31 | Enhancement of <i>Chlorella vulgaris</i> Biomass Cultivated in POME Medium as Biofuel Feedstock under Mixotrophic Conditions. <i>Journal of Engineering and Technological Sciences</i> , 2015, 47, 487-497. | 0.3 | 23 |
| 32 | MULTI-OBJECTIVE OPTIMIZATION TO IMPROVE THE PRODUCT RANGE OF BAKING SYSTEMS. <i>Journal of Food Process Engineering</i> , 2009, 32, 709-729. | 1.5 | 22 |
| 33 | Performance evaluation of yeast-assisted microalgal microbial fuel cells on bioremediation of cafeteria wastewater for electricity generation and microalgae biomass production. <i>Biomass and Bioenergy</i> , 2020, 139, 105617. | 2.9 | 22 |
| 34 | Electrogenic and biomass production capabilities of a Microalgae-Microbial fuel cell (MMFC) system using tapioca wastewater and <i>Spirulina platensis</i> for COD reduction. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 3409-3420. | 1.2 | 21 |
| 35 | Assessing the Environmental Performance of Palm Oil Biodiesel Production in Indonesia: A Life Cycle Assessment Approach. <i>Energies</i> , 2020, 13, 3248. | 1.6 | 21 |
| 36 | The Effects of Audible Sound for Enhancing the Growth Rate of Microalgae <i>Haematococcus pluvialis</i> in Vegetative Stage. <i>HAYATI Journal of Biosciences</i> , 2017, 24, 149-155. | 0.1 | 19 |

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|----|--|-----|-----------|
| 37 | Photocatalytic activity of cobalt-doped zinc oxide thin film prepared using the spray coating technique. <i>Materials Research Express</i> , 2017, 4, 076409. | 0.8 | 19 |
| 38 | Comparative analysis between pyrolysis products of <i>Spirulina platensis</i> biomass and its residues. <i>International Journal of Renewable Energy Development</i> , 2019, 8, 133-140. | 1.2 | 19 |
| 39 | Biodiesel Production from Reutealis Trisperma Oil Using KOH Impregnated Eggshell as a Heterogeneous Catalyst. <i>Energies</i> , 2019, 12, 3714. | 1.6 | 19 |
| 40 | Evaluating the environmental impacts of the multi-feedstock biodiesel production process in Indonesia using life cycle assessment (LCA). <i>Energy Conversion and Management</i> , 2022, 266, 115832. | 4.4 | 19 |
| 41 | Encapsulation of phycocyanin-alginate for high stability and antioxidant activity. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 55, 012030. | 0.2 | 18 |
| 42 | Potency of Microalgae as Biodiesel Source in Indonesia. <i>International Journal of Renewable Energy Development</i> , 2012, 1, 23-27. | 1.2 | 17 |
| 43 | Biosorption of Heavy Metal Cu ²⁺ and Cr ²⁺ in Textile Wastewater by Using Immobilized Algae. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 3539-3543. | 0.1 | 16 |
| 44 | Integrated Biogas-microalgae from Waste Waters as the Potential Biorefinery Sources in Indonesia. <i>Energy Procedia</i> , 2014, 47, 143-148. | 1.8 | 16 |
| 45 | 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, . | 0.3 | 16 |
| 46 | Diatom assemblage in the 24 cm upper sediment associated with human activities in Lake Warna Dieng Plateau Indonesia. <i>Environmental Technology and Innovation</i> , 2018, 10, 314-323. | 3.0 | 16 |
| 47 | Effects of Carrageenan and Chitosan as Coating Materials on the Thermal Degradation of Microencapsulated Phycocyanin from <i>Spirulina</i> . <i>International Journal of Food Engineering</i> , 2019, 15, . | 0.7 | 16 |
| 48 | Multi-Feedstocks Biodiesel Production from Esterification of Calophyllum inophyllum Oil, Castor Oil, Palm Oil and Waste Cooking Oil. <i>International Journal of Renewable Energy Development</i> , 2020, 9, 119-123. | 1.2 | 16 |
| 49 | Geothermal solid waste derived Ni/Zeolite catalyst for waste cooking oil processing. <i>Chemosphere</i> , 2022, 286, 131618. | 4.2 | 16 |
| 50 | Optimization of Biogas Production from Rice Husk Waste by Solid State Anaerobic Digestion (SSAD) Using Response Surface Methodology. <i>Journal of Environmental Science and Technology</i> , 2018, 11, 147-156. | 0.3 | 16 |
| 51 | Batch and Fed-Batch Fermentation System on Ethanol Production from Whey using <i>Kluyveromyces marxianus</i> . <i>International Journal of Renewable Energy Development</i> , 2013, 2, 127-131. | 1.2 | 15 |
| 52 | Quantum yield optimization of carbon dots using response surface methodology and its application as control of Fe ³⁺ ion levels in drinking water. <i>Materials Research Express</i> , 2022, 9, 015702. | 0.8 | 15 |
| 53 | The flocculation process of <i>Chlorella</i> sp. using chitosan as a bio-flocculant: Optimization of operating conditions by response surface methodology. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100291. | 2.9 | 15 |
| 54 | Energy storage onboard zero-emission two-wheelers: Challenges and technical solutions. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101435. | 1.7 | 14 |

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|----|---|-----|-----------|
| 55 | Preparation of Heterogeneous CaO Catalysts for Biodiesel Production. Journal of Physics: Conference Series, 2017, 877, 012018. | 0.3 | 13 |
| 56 | Biogas Production from Rice Husk Waste by using Solid State Anaerobic Digestion (SSAD) Method. E3S Web of Conferences, 2018, 31, 02007. | 0.2 | 13 |
| 57 | Geothermal industry waste-derived catalyst for enhanced biohydrogen production. Chemosphere, 2020, 258, 127274. | 4.2 | 13 |
| 58 | Improvement of Stability and Antioxidant Activities by Using Phycocyanin - Chitosan Encapsulation Technique. IOP Conference Series: Earth and Environmental Science, 2017, 55, 012052. | 0.2 | 12 |
| 59 | Bioelectricity Production from Microalgae-Microbial Fuel Cell Technology (MMFC). MATEC Web of Conferences, 2018, 156, 01017. | 0.1 | 12 |
| 60 | Response surface optimization of lipid and protein extractions from Spirulina platensis using ultrasound assisted osmotic shock method. Food Science and Biotechnology, 2018, 27, 1361-1368. | 1.2 | 12 |
| 61 | Energy exergy analysis and mathematical modeling of cassava starch drying using a hybrid solar dryer. Cogent Engineering, 2020, 7, 1771819. | 1.1 | 12 |
| 62 | Preparation of KI/Hydroxyapatite Catalyst from Phosphate Rocks and Its Application for Improvement of Biodiesel Production. Molecules, 2020, 25, 2565. | 1.7 | 12 |
| 63 | Rootlike Morphology of ZnO:Al Thin Film Deposited on Amorphous Glass Substrate by Sol-Gel Method. Research Letters in Physics, 2016, 2016, 1-7. | 0.2 | 11 |
| 64 | Biodiesel Production from Nyamplung (Calophyllum inophyllum) Oil using Ionic Liquid as A Catalyst and Microwave Heating System. Bulletin of Chemical Reaction Engineering and Catalysis, 2017, 12, 293. | 0.5 | 11 |
| 65 | Towards an optimal hybrid solar method for lime-drying behavior. Heliyon, 2020, 6, e05356. | 1.4 | 10 |
| 66 | Energy Analysis of a Hybrid Solar Dryer for Drying Coffee Beans. International Journal of Renewable Energy Development, 2020, 9, 131-139. | 1.2 | 10 |
| 67 | Optimization of flocculation efficiency and settling time using chitosan and eggshell as bio-flocculant in Chlorella pyrenoidosa harvesting process. Environmental Technology and Innovation, 2021, 24, 101959. | 3.0 | 10 |
| 68 | Biofixation of Carbon dioxide by Chlamydomonas sp. in a Tubular Photobioreactor. International Journal of Renewable Energy Development, 2012, 1, 10-14. | 1.2 | 9 |
| 69 | Modeling and PSO optimization of Humidifier-Dehumidifier desalination. International Journal of Renewable Energy Development, 2018, 7, 59-64. | 1.2 | 9 |
| 70 | Application of Tin(II) Chloride Catalyst for High FFA Jatropha Oil Esterification in Continuous Reactive Distillation Column. Bulletin of Chemical Reaction Engineering and Catalysis, 2016, 11, 66. | 0.5 | 9 |
| 71 | Synthesized of Double Layer Thin Film ZnO/ZnO:Ag by Sol-Gel Method for Direct Blue 71 Photodegradation. Reaktor, 2015, 15, . | 0.2 | 8 |
| 72 | The Physical and Photocatalytic Properties of N-Doped TiO ₂ /Polycrystalline Synthesized by a Single Step Sonochemical Method at Room Temperature. Materials Science Forum, 0, 890, 121-126. | 0.3 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Preparation of sago starch-based biocomposite reinforced microfibrillated cellulose of bamboo assisted by mechanical treatment. AIP Conference Proceedings, 2017, , . | 0.3 | 8 |
| 74 | The Influence of Nitrogen Doping Concentration on the Strain and Band Gap Energy of N-Doped Zinc Oxide Prepared Using Spray Coating Technique. Solid State Phenomena, 0, 266, 141-147. | 0.3 | 8 |
| 75 | Hybrid solar dryer for s<sc>ugarâ€palm</sc> vermicelli drying. Journal of Food Process Engineering, 2020, 43, e13471. | 1.5 | 8 |
| 76 | The water quality parameters controlling diatoms assemblage in Rawapening Lake, Indonesia. Biodiversitas, 2016, 17, . | 0.2 | 8 |
| 77 | EXTRACTION OF HOMOLOGOUS COMPOUNDS OF CURCUMINOID ISOLATED FROM TEMULAWAK (Curcuma) Tj ETQq1 1 0.784314 8 | 0.2 | 8 |
| 78 | Utilization of Coconut Milk Skim Effluent (CMSE) as Medium Growth for Spirulina platensis. Procedia Environmental Sciences, 2015, 23, 72-77. | 1.3 | 7 |
| 79 | Biodiesel Production by Using CaO Catalyst and Ultrasonic Assisted. Journal of Physics: Conference Series, 2017, 877, 012037. | 0.3 | 7 |
| 80 | Characteristics of eugenol loaded chitosan-tripolyphosphate particles as affected by initial content of eugenol and their in-vitro release characteristic. IOP Conference Series: Materials Science and Engineering, 2018, 349, 012010. | 0.3 | 7 |
| 81 | Synthesis of Zeolite X Molecular Sieve from Geothermal Solid Waste. Materials Today: Proceedings, 2019, 13, 137-142. | 0.9 | 7 |
| 82 | Production of antioxidant C-phycoyanin using extraction process of Spirulina platensis in large scale industry. IOP Conference Series: Materials Science and Engineering, 2019, 633, 012025. | 0.3 | 7 |
| 83 | Biocomposite of bacterial cellulose based from yam bean (Pachyrhizus erosus L. Urban) reinforced by bamboo microfibrillated cellulose through in situ method. AIP Conference Proceedings, 2020, , . | 0.3 | 7 |
| 84 | Analysis of Priority Scale for Watershed Reforestation Using Trapezoidal Fuzzy VIKOR Method: A Case Study in Semarang, Central Java Indonesia. Symmetry, 2020, 12, 507. | 1.1 | 7 |
| 85 | Marine ecoregions and subecoregions within Indoâ€West Australian waters: A statistical approach based on species distributions. Journal of Biogeography, 2021, 48, 2246-2257. | 1.4 | 7 |
| 86 | The effect of salinity on the interaction between microplastic polyethylene terephthalate (PET) and microalgae Spirulina sp.. Environmental Science and Pollution Research, 2022, 29, 7877-7887. | 2.7 | 7 |
| 87 | Optimization of Cellulase Production by Aspergillus niger ITBCC L74 with Bagasse as Substrate using Response Surface Methodology. HAYATI Journal of Biosciences, 2018, 25, 115. | 0.1 | 7 |
| 88 | Effect of Dilute Acid and Alkaline Pretreatments on Enzymatic Saccharification of Palm Tree Trunk Waste for Bioethanol Production. Bulletin of Chemical Reaction Engineering and Catalysis, 2019, 14, 705. | 0.5 | 7 |
| 89 | Synthesis and characterization of ZnO:TiO2 nano composites thin films deposited on glass substrate by sol-gel spray coating technique. AIP Conference Proceedings, 2015, , . | 0.3 | 6 |
| 90 | The improvement of phycocyanin stability extracted from Spirulina sp using extrusion encapsulation technique. AIP Conference Proceedings, 2015, , . | 0.3 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Production of Biodiesel from Mixed Waste Cooking and Castor Oil. MATEC Web of Conferences, 2018, 156, 03056. | 0.1 | 6 |
| 92 | Ozone Application for Tofu Waste Water Treatment and Its Utilisation for Growth Medium of Microalgae <i>Spirulina sp</i> . E3S Web of Conferences, 2018, 31, 03002. | 0.2 | 6 |
| 93 | Microbial degradation of batik waste water treatment in Indonesia. IOP Conference Series: Earth and Environmental Science, 2019, 314, 012020. | 0.2 | 6 |
| 94 | Diatoms and Water Quality of Telaga Warna Dieng, Java Indonesia. IOP Conference Series: Earth and Environmental Science, 2017, 55, 012051. | 0.2 | 6 |
| 95 | ENVIRONMENTAL CARRYING CAPACITY BASED ON LAND BALANCE FOR EVALUATION PLANNING OF SPATIAL AND REGIONAL IN SOLOK REGENCY, WEST SUMATRA. Journal of Ecological Engineering, 2017, 18, 22-30. | 0.5 | 6 |
| 96 | Enhancement of separation performance of asymmetric cellulose acetate membrane for produced water treatment using response surface methodology. Chemical Industry and Chemical Engineering Quarterly, 2018, 24, 139-147. | 0.4 | 6 |
| 97 | Kinetic Study on Ultrasound Assisted Biodiesel Production from Waste Cooking Oil. Journal of Engineering and Technological Sciences, 2015, 47, 374-388. | 0.3 | 6 |
| 98 | Facile synthesized carbon dots for simple and selective detection of cobalt ions in aqueous media. Cogent Engineering, 2022, 9, . | 1.1 | 6 |
| 99 | A Review on the Recent Breakthrough Methods and Influential Parameters in the Biodiesel Synthesis and Purification. International Journal of Renewable Energy Development, 2022, 11, 1012-1036. | 1.2 | 6 |
| 100 | APLIKASI FITOREMEDIASI LIMBAH JAMU DAN PEMANFAATANNYA UNTUK PRODUKSI PROTEIN. Jurnal Ilmu Lingkungan, 2012, 10, 32. | 0.0 | 5 |
| 101 | Biogas Potential from the Treatment of Solid Waste of Dairy Cattle: Case Study at Bangka Botanical Garden Pangkalpinang. International Journal of Waste Resources, 2013, 03, . | 0.2 | 5 |
| 102 | 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 |
| 103 | The effects of temperature and frequencies in ultrasound assisted extraction of phycocyanin from microalgae <i>Spirulina sp</i> . AIP Conference Proceedings, 2015, , . | 0.3 | 5 |
| 104 | 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. | 0.2 | 5 |
| 105 | Performance Analysis of Solar Tray Dryer for Cassava Starch. MATEC Web of Conferences, 2018, 156, 05008. | 0.1 | 5 |
| 106 | Climate Change In Indonesia (Case Study : Medan, Palembang, Semarang). E3S Web of Conferences, 2018, 31, 09017. | 0.2 | 5 |
| 107 | Thermal degradation kinetics of phycocyanin encapsulation as an antioxidant agent. IOP Conference Series: Earth and Environmental Science, 2018, 102, 012055. | 0.2 | 5 |
| 108 | Energy Balance Calculation with Life Cycle Assessment for Production of Palm Biodiesel in Indonesia. E3S Web of Conferences, 2019, 125, 10005. | 0.2 | 5 |

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|-----|---|-----|-----------|
| 109 | The nutritional enrichment of dried noodles by using phycocyanin extracted from <i>Spirulina</i> sp as an effort of food fortification. <i>Journal of Physics: Conference Series</i> , 2019, 1295, 012036. | 0.3 | 5 |
| 110 | Interaction between Styrofoam and Microalgae <i>Spirulina platensis</i> in Brackish Water System. <i>Toxics</i> , 2021, 9, 43. | 1.6 | 5 |
| 111 | Development of heterogeneous catalyst from chicken bone and catalytic testing for biodiesel with simultaneous processing. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 509, 012125. | 0.3 | 5 |
| 112 | The influence of polypropylene- and polyethylene microplastics on the quality of <i>Spirulina</i> sp. harvests. <i>Food Research</i> , 2020, 4, 1739-1743. | 0.3 | 5 |
| 113 | Binderless carbon nanotube/carbon felt anode to improve yeast microbial fuel cell performance. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100323. | 2.9 | 5 |
| 114 | APPLICATION OF PHYTOREMEDIATION FOR HERBAL MEDICINE WASTE AND ITS UTILIZATION FOR PROTEIN PRODUCTION. <i>Reaktor</i> , 2012, 14, 129. | 0.2 | 4 |
| 115 | IMPROVED YIELD OF β -CAROTENE FROM MICROALGAE <i>SPIRULINA PLATENSIS</i> USING ULTRASOUND ASSISTED EXTRACTION. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 77, . | 0.3 | 4 |
| 116 | Bioethanol Production from Iles-Iles (<i>Amorphopallus campanulatus</i>) Flour by Fermentation using <i>Zymomonas mobilis</i> . <i>International Journal of Renewable Energy Development</i> , 2016, 5, 9-14. | 1.2 | 4 |
| 117 | Pretreatment of Starch-Free Sugar Palm Trunk (<i>Arenga pinnata</i>) to Enhance Saccharification in Bioethanol Production. <i>MATEC Web of Conferences</i> , 2018, 156, 01003. | 0.1 | 4 |
| 118 | Analyzing spatiotemporal types and patterns of urban growth in watersheds that flow into Jakarta Bay, Indonesia. <i>Remote Sensing Applications: Society and Environment</i> , 2019, 14, 170-177. | 0.8 | 4 |
| 119 | Potential of melanin free ink as antioxidant and its application for preserving and predicting shelf life of salted-boiled milkfish. <i>International Journal of Postharvest Technology and Innovation</i> , 2019, 6, 57. | 0.1 | 4 |
| 120 | Rubber wastewater treatment using UV, ozone, and UV/ozone and its effluent potency for microalgae <i>Spirulina platensis</i> cultivation medium. <i>Cogent Engineering</i> , 2020, 7, 1797980. | 1.1 | 4 |
| 121 | Significant differences in invertebrate assemblages between low- and high-uplifted intertidal shores in the Simeulue Island, Indonesia, after a megathrust earthquake of 2004 and 2005. <i>Community Ecology</i> , 2020, 21, 79-89. | 0.5 | 4 |
| 122 | The Ability of Water Hyacinth (<i>Eichhornia crasipes</i> Mart.) and Water Lettuce (<i>Pistia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 2021, 226, 00010. | 0.2 | 4 |
| 123 | Potential for Environmental Services Based on the Estimation of Reserved Carbon in the Mangunharjo Mangrove Ecosystem. <i>Polish Journal of Environmental Studies</i> , 2021, , . | 0.6 | 4 |
| 124 | Estimating Environmental Impact Potential of Small Scale Fish Processing using Life Cycle Assessment. <i>Journal of Ecological Engineering</i> , 2018, 19, 65-74. | 0.5 | 4 |
| 125 | Analysis of thermal performance of wood and exposed stone-walled buildings in mountainous areas with building envelop variations. <i>Journal of Applied Engineering Science</i> , 2019, 17, 321-332. | 0.4 | 4 |
| 126 | Potential of Conceptual Design Methodology for Food Process Innovation. <i>Food Science and Technology International</i> , 2008, 14, 139-149. | 1.1 | 3 |

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|-----|---|-----|-----------|
| 127 | PEMANFAATAN LIMBAH CAIR INDUSTRI TAHU UNTUK PRODUKSI BIOMASSA MIKROALGA <i>Nannochloropsis</i> Sp SEBAGAI BAHAN BAKU BIODIESEL. <i>Reaktor</i> , 2015, 15, 253. | 0.2 | 3 |
| 128 | Effect of frequency, temperature, and time of sonication on xanton content of mangosteen (<i>Garcinia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 125, 25006. | 0.2 | 3 |
| 129 | Implementation of UI GreenMetric at Diponegoro University in order to Environmental Sustainability Efforts. <i>E3S Web of Conferences</i> , 2019, 125, 02007. | 0.2 | 3 |
| 130 | Performance study of hybrid solar dryer for cassava starch. <i>AIP Conference Proceedings</i> , 2020, , . | 0.3 | 3 |
| 131 | Technical and Economic Analysis of Municipal Solid Waste Potential for Waste to Energy Plant (Case) Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 0,2 | 0,2 | 3 |
| 132 | Production of biodiesel from waste cooking oil using heterogenous catalysts $KI/\beta-Al_2O_3$. <i>Journal of Environmental Engineering and Science</i> , 2020, 15, 107-112. | 0.3 | 3 |
| 133 | Experimental investigation of phycocyanin microencapsulation using maltodextrin as a coating material with spray drying method. <i>AIP Conference Proceedings</i> , 2020, , . | 0.3 | 3 |
| 134 | Synthesis and characterization of sodium lignosulfonate surfactant with polyethylene glycol for enhanced oil recovery. <i>AIP Conference Proceedings</i> , 2020, , . | 0.3 | 3 |
| 135 | Phytoremediation of Palm Oil Mill Effluent Using <i>Pistia Stratiotes</i> Plant and Algae <i>Spirulina</i> sp for Biomass Production. <i>International Journal of Engineering, Transactions B: Applications</i> , 2014, 27, . | 0.6 | 3 |
| 136 | Cultivating Microalgae <i>Botryococcus braunii</i> in Tofu Whey Medium. , 2022, 1, 12-19. | | 3 |
| 137 | Optimization of Eugenol Extraction from Clove Oil using Response Surface Methodology. <i>Modern Applied Science</i> , 2015, 9, 68. | 0.4 | 2 |
| 138 | ORGANIC WASTE'S POTENTIAL AS RENEWABLE ENERGY AT SUPIT URANG LANDFILL IN MALANG CITY. <i>Jurnal Presipitasi</i> , 2015, 12, 71. | 0.0 | 2 |
| 139 | Enhancement of Hybrid SPEEK Based Polymer "Cyclodextrin-Silica Inorganic Membrane for Direct Methanol Fuel Cell Application. <i>International Journal of Renewable Energy Development</i> , 2017, 6, 165. | 1.2 | 2 |
| 140 | Encapsulation Rutin with Chitosan-NATPP Using Coaservation Method. <i>Reaktor</i> , 2018, 17, 215. | 0.2 | 2 |
| 141 | Performance Evaluation of Pneumatic Dryer for Aren (<i>Arenca pi±ata</i>) Flour. <i>MATEC Web of Conferences</i> , 2018, 156, 05023. | 0.1 | 2 |
| 142 | Find the future from the past: Paleolimnology in Indonesia. <i>E3S Web of Conferences</i> , 2018, 31, 08002. | 0.2 | 2 |
| 143 | Alternatives to groundwater abstraction as a measure to stop land subsidence: a case study of Semarang, Indonesia. <i>E3S Web of Conferences</i> , 2019, 125, 01003. | 0.2 | 2 |
| 144 | Bioelectricity production from tofu wastewater using microbial fuel cells with microalgae <i>Spirulina</i> sp as catholyte. <i>E3S Web of Conferences</i> , 2020, 202, 08007. | 0.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Analysis slope stability based on physical properties in Cepoko Village, Indonesia. Cogent Engineering, 2021, 8, . | 1.1 | 2 |
| 146 | Kinetics of Fermentation Process in Bioethanol Production from Solid Waste Bread. Advanced Science Letters, 2017, 23, 2521-2523. | 0.2 | 2 |
| 147 | Kinetic of Biogas Production in a Batch Anaerobic Digestion Process with Interference of Preservative Material of Sodium Benzoate. Bulletin of Chemical Reaction Engineering and Catalysis, 2020, 15, 898-906. | 0.5 | 2 |
| 148 | Waste cooking oil processing for fatty acid methyl ester and mono glycerides production with magnetite catalyst. Food Research, 2020, 4, 220-226. | 0.3 | 2 |
| 149 | "Biopellet" as One of Future Promising Biomassbased Renewable Energy: a Review. E3S Web of Conferences, 2021, 317, 04029. | 0.2 | 2 |
| 150 | Optimization of biodiesel production from waste cooking oil using $\text{Fe}^{2+}/\text{O}^{3-}/\text{HAP}$ catalyst via simultaneous esterification-transesterification reaction. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 4050-4061. | 1.2 | 2 |
| 151 | Effects of Long-Term Storage on the Quality of Palm Oil Biodiesel and Canola Oil Biodiesel. Journal of Engineering and Technological Sciences, 2022, 54, 220301. | 0.3 | 2 |
| 152 | PENGUNAAN TEKNOLOGI REAKTOR MICROBIAL FUEL CELLS (MFCs) DALAM PENGOLAHAN LIMBAH CAIR INDUSTRI TAHU UNTUK MENGHASILKAN ENERGI LISTRIK. Jurnal Presipitasi, 2015, 12, 57. | 0.0 | 1 |
| 153 | Application of Pesticide Phytoremediation in Irrigated Rice Fields System Using Eceng Gondok (<i>Eichhornia crassipes</i>) Plants. E3S Web of Conferences, 2018, 31, 03019. | 0.2 | 1 |
| 154 | Potency of Yeast " Microalgae <i>Spirulina</i> Collaboration in Microalgae-Microbial Fuel Cells for Cafeteria Wastewater Treatment. IOP Conference Series: Earth and Environmental Science, 0, 209, 012022. | 0.2 | 1 |
| 155 | The Application Potential of Eco-Efficiency for Greening Company. E3S Web of Conferences, 2018, 31, 07012. | 0.2 | 1 |
| 156 | Determination Of Heavy Metals (Pb, Zn, Cd, Cu) of Coastal Urban Area of Semarang Indonesia. E3S Web of Conferences, 2018, 73, 03017. | 0.2 | 1 |
| 157 | Flare gas recovery as one of the clean development mechanism (CDM) practices. IOP Conference Series: Earth and Environmental Science, 2018, 200, 012023. | 0.2 | 1 |
| 158 | The Influence of Microbial Consortium and C/N Ratio to Biogas Production from Rice Husk Waste by Using Solid State Anaerobic Digestion (SS-AD). E3S Web of Conferences, 2018, 73, 01018. | 0.2 | 1 |
| 159 | Root Uptake and Distribution of Radionuclides ^{134}Cs and ^{60}Co in Sunflower Plants (<i>Helianthus annuus</i> . L). E3S Web of Conferences, 2018, 73, 05027. | 0.2 | 1 |
| 160 | Preliminary Design of Industrial Symbiosis of Smes Using Material Flow Cost Accounting (MFCA) Method. E3S Web of Conferences, 2018, 31, 04008. | 0.2 | 1 |
| 161 | The Effectiveness of Using Hyacinth Plant As Phytoremediation Agent On Paper Industry Liquid Waste. E3S Web of Conferences, 2018, 73, 07003. | 0.2 | 1 |
| 162 | Improvement the Yoghurt Nutritional Value, Organoleptic Properties and Preferences by <i>Spirulina</i> (<i>Spirulina platensis</i>) Supplementation. IOP Conference Series: Materials Science and Engineering, 2018, 349, 012040. | 0.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Response Surface Optimization of Biodiesel Production from Nyamplung (<i>Calophyllum inophyllum</i>) Oil Enhanced by Microwave and Ionic liquid + NaOH Catalyst. <i>Periodica Polytechnica: Chemical Engineering</i> , 2019, 63, 406-413. | 0.5 | 1 |
| 164 | Performance of Aerobic Microbial Granules in Organic Carbon Removal as a Method in the Treatment of Biodegradable Wastewater. <i>E3S Web of Conferences</i> , 2019, 125, 03014. | 0.2 | 1 |
| 165 | Life cycle assessment of biodiesel production from crude palm oil: A case study of three Indonesian biodiesel plants. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 348, 012002. | 0.2 | 1 |
| 166 | Basic Framework of Regional Model for Disaster Waste Estimation and Distribution by Using Spatial Approach in Central Java-Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 396, 012019. | 0.2 | 1 |
| 167 | Solar dryer applications for cassava slices drying. <i>AIP Conference Proceedings</i> , 2020, , . | 0.3 | 1 |
| 168 | Analysis of Total Mangrove Carbon Stock Degradation in Kendari Bay. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 448, 012026. | 0.2 | 1 |
| 169 | Improvements in thermal efficiency of onion slice drying by exhaust air recycling. <i>Cogent Engineering</i> , 2021, 8, 1920562. | 1.1 | 1 |
| 170 | PENGARUH KATALIS GENTENG TANAH LIAT DALAM PRODUKSI BAHAN BAKAR CAIR DARI LIMBAH BAN BEKAS DENGAN PROSES PIROLISIS. <i>Jurnal Energi Baru Dan Terbarukan</i> , 2021, 1, 51-58. | 0.1 | 1 |
| 171 | Pyrolysis of Water Hyacinth [<i>Eichhornia crassipes</i> (Mart.) Solms] for Liquid Smoke Production. <i>E3S Web of Conferences</i> , 2021, 226, 00038. | 0.2 | 1 |
| 172 | EFEKTIVITAS LIMBAH KULIT NANAS MADU KERING (<i>Ananas Comosus</i> L.Merr) UNTUK PEMBUATAN BIOETANOL DENGAN PROSES FERMENTASI DAN DISTILASI. <i>Jurnal Energi Baru Dan Terbarukan</i> , 2021, 1, 32-41. | 0.1 | 1 |
| 173 | Microalgae Microbial Fuel Cell (MMFC) using <i>Chlorella vulgaris</i> and Wastewater as Bioelectricity. <i>E3S Web of Conferences</i> , 2021, 226, 00032. | 0.2 | 1 |
| 174 | Vinasse as Cultivation Medium of <i>Chlorella</i> sp. to Produce Polyhydroxy Butyrate in Various Limited Low-Cost Primary Nutrient. <i>E3S Web of Conferences</i> , 2021, 226, 00018. | 0.2 | 1 |
| 175 | MODIFICATION OF NANO HYBRID PES-ZNO MEMBRANE USING UV IRRADIATION FOR BIODIESEL PURIFICATION. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2020, 82, . | 0.3 | 1 |
| 176 | Process Evaluation of Biodiesel Production from Nyamplung (<i>Calophyllum inophyllum</i>) Oil Enhanced by Ionic Liquid + NaOH Catalyst and Microwave Heating System. <i>Journal of Physical Science</i> , 2018, 29, 265-275. | 0.5 | 1 |
| 177 | Ultrasound Assisted in Situ Esterification of Rubber Seeds Oil for Biodiesel Production. <i>International Journal of Engineering, Transactions B: Applications</i> , 2016, 29, . | 0.6 | 1 |
| 178 | EFFLUENT TREATMENT OF PHARMACEUTICAL INDUSTRY BY USING SUBSURFACE FLOW WETLAND SYSTEM. <i>Waste Technology</i> , 2014, 2, . | 0.2 | 1 |
| 179 | "PREPARATION AND ELECTRO-OPTICAL CHARACTERIZATION OF ZnO THIN FILMS FOR PHOTOCATALYTIC WASTE COOKING OIL TREATMENT". <i>Rasayan Journal of Chemistry</i> , 0, , . | 0.2 | 1 |
| 180 | Analysis of Environmental Carrying Capacity Based on Land Balance in Solok Regency, West Sumatra. <i>Advanced Science Letters</i> , 2017, 23, 2407-2409. | 0.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Preparation and Characterization of Volcanic Ash-chitosan Composite Ceramic Membrane for Clean Water Production. <i>Journal of Environmental Science and Technology</i> , 2018, 11, 112-118. | 0.3 | 1 |
| 182 | Effect of NaOH on biogas production under SSAD conditions along with kinetics studies. <i>Jurnal Ilmu Lingkungan</i> , 2020, 18, 319-322. | 0.0 | 1 |
| 183 | GLYCEROLYSIS USING KF/CAO-MGO CATALYST: OPTIMISATION AND REACTION KINETICS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2020, 82, . | 0.3 | 1 |
| 184 | Optimum NaHCO ₃ -to-vinasse ratio for <i>Chlorella pyrenoidosa</i> cultivation and poly-b-hydroxybutyrate (PHB) production. , 0, 207, 352-360. | | 1 |
| 185 | Evaluation Of <i>Spirulina</i> , <i>Nannochloropsis</i> , and <i>Chlorella</i> Micro-algae Growth in Palm Oil Mill Effluent (POME) Medium with Variation of Medium Types and Time Adding Nutrient. , 2022, 1, 27-32. | | 1 |
| 186 | Microplastic Identification in Fisheries Commodities in Sayung Waters, Demak. , 2022, 1, 1-7. | | 1 |
| 187 | Optimization of light intensity and color temperature in the cultivation of <i>Chlorella vulgaris</i> culture using the Surface Response Method. , 2022, 1, 33-41. | | 1 |
| 188 | Cultivation of Microalgae <i>Spirulina platensis</i> in Palm Oil Mill Effluent (POME) Media with Variations of POME Concentration and Nutrient Composition. , 2022, 1, 57-62. | | 1 |
| 189 | Perspectives and Editorials. <i>Journal of Andrology</i> , 2006, 28, 361-361. | 2.0 | 0 |
| 190 | Biofiksasi CO ₂ Oleh Mikroalga <i>Chlamydomonas</i> sp dalam Photobioreaktor Tubular. <i>Reaktor</i> , 2014, 15, 37. | 0.2 | 0 |
| 191 | Effect of heat moisture treatment (HMT) on product quality of sorghum starch. <i>AIP Conference Proceedings</i> , 2015, , . | 0.3 | 0 |
| 192 | Process intensification of biodiesel production by using microwave and ionic liquids as catalyst. <i>AIP Conference Proceedings</i> , 2015, , . | 0.3 | 0 |
| 193 | Preface: International Conference on Chemical and Material Engineering (ICCME) 2015. <i>AIP Conference Proceedings</i> , 2015, , . | 0.3 | 0 |
| 194 | Optimization process of tribenzoine production as a glycerol derived product. <i>AIP Conference Proceedings</i> , 2015, , . | 0.3 | 0 |
| 195 | Parameter K _{ga} - Enhancement Factor Dalam Sistem Absorbs CO ₂ Dengan Larutan NaOH. <i>Reaktor</i> , 2017, 5, 27. | 0.2 | 0 |
| 196 | Effect Of Sparging In Microalgae (<i>Dunaliella Tertiolecta</i>) Cuture Using Bubble Column. <i>Reaktor</i> , 2017, 6, 56. | 0.2 | 0 |
| 197 | Application of Life Cycle Assessment (LCA) in Sugar Industries. <i>E3S Web of Conferences</i> , 2018, 31, 04011. | 0.2 | 0 |
| 198 | Effect of Melanin Free Ink Extracted From Squid (<i>Loligo</i> sp.) on Proximate and Sensory Characteristics of Soft-Bone Milkfish (<i>Chanos chanos</i>) During Storage. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 116, 012031. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | Improvement of lipid yield from microalgae <i>Spirulina platensis</i> using ultrasound assisted osmotic shock extraction method. IOP Conference Series: Earth and Environmental Science, 2018, 102, 012012. | 0.2 | 0 |
| 200 | Sustainable use of water resource at North Kendeng Mountain, Central Java, Indonesia. IOP Conference Series: Earth and Environmental Science, 2018, 191, 012005. | 0.2 | 0 |
| 201 | The role of health and safety experts in the management of hazardous and toxic wastes in Indonesia. E3S Web of Conferences, 2018, 31, 07011. | 0.2 | 0 |
| 202 | Solid-liquid anaerobic baffled reactor treating food waste. MATEC Web of Conferences, 2018, 156, 03042. | 0.1 | 0 |
| 203 | Pretreatment of Herbal, Tofu and Fertilizer Waste Using UV/Ozon Technique and Its Utilization for <i>Spirulina</i> sp Cultivation. IOP Conference Series: Earth and Environmental Science, 2019, 248, 012071. | 0.2 | 0 |
| 204 | Utilizing Palm Oil Mill Waste for Co-Production of Biogas and Microalgae Biomass. IOP Conference Series: Earth and Environmental Science, 2019, 248, 012073. | 0.2 | 0 |
| 205 | Chemical oxygen demand (COD) degradation of herbal, tofu and fertilizer wastewater using UV/Ozone oxidation methods. Journal of Physics: Conference Series, 2019, 1217, 012052. | 0.3 | 0 |
| 206 | Utilization of carrageenan and chitosan as coating material in phycocyanin encapsulation. IOP Conference Series: Materials Science and Engineering, 2019, 633, 012038. | 0.3 | 0 |
| 207 | Bioelectricity production from Tofu wastewater using microbial-microalgae fuel cell technology (MMFC). AIP Conference Proceedings, 2019, , . | 0.3 | 0 |
| 208 | Study of low head turbine propellers axial flow for use of micro-hydropower plant (MHP) in Aceh, Indonesia. Journal of Physics: Conference Series, 2020, 1524, 012019. | 0.3 | 0 |
| 209 | Regional Model of Smart Construction Waste Monitoring: Household Base Framework in Central Java-Indonesia. IOP Conference Series: Earth and Environmental Science, 2020, 448, 012079. | 0.2 | 0 |
| 210 | Regional Model Development of Plastic Waste Monitoring: Basic Framework from Population and Public Market in Central Java-Indonesia. IOP Conference Series: Earth and Environmental Science, 2020, 448, 012098. | 0.2 | 0 |
| 211 | The influence of micro plastic to <i>Chlorella</i> growth in difference aquatic systems. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 212 | Revitalization of Coastal Java Society's Traditional Art in Multimedia Form. International Journal of Social Ecology and Sustainable Development, 2021, 12, 21-32. | 0.1 | 0 |
| 213 | Fitting Business Strategy and Organization Archetype to Create Organization Business Excellence. Advanced Science Letters, 2015, 21, 805-808. | 0.2 | 0 |
| 214 | Selected Peer-Reviewed Articles from the 1st International Conference on Chemical Process and Product Engineering 2016 (ICCPPE 2016), Semarang, Indonesia, 14-15 September, 2016. Advanced Science Letters, 2017, 23, 5587-5589. | 0.2 | 0 |
| 215 | Community Activities Through the Watershed Basin Batanghari Viewed from the Historical Perspective (Case Study in Batanghari Regency). , 2018, , . | | 0 |
| 216 | Optimization of C/N Ratio to Biogas Production from Rice Husk Waste by Using Solid State Anaerobic Digestion (SS-AD). Advanced Science Letters, 2018, 24, 9651-9652. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Potential of melanin free ink as antioxidant and its application for preserving and predicting shelf life of salted-boiled milkfish. International Journal of Postharvest Technology and Innovation, 2019, 6, 57. | 0.1 | 0 |
| 218 | Improving Knowledge of Elementary School Students as Peer Educators of Reproductive Health. Indian Journal of Public Health Research and Development, 2019, 10, 1875. | 0.1 | 0 |
| 219 | The Opportunities of Cleaner Production in Carica (<i>Carica pubescens</i>) Industry to Reduce Hazardous Waste. , 2022, 1, 20-26. | | 0 |