

Muhammad Sahlan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Isolation of cyanide-degrading bacteria and molecular characterization of its cyanide-degrading nitrilase. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 183-189.	3.1	7
2	Molecular docking and dynamics studies on propolis sulabiroin-A as a potential inhibitor of SARS-CoV-2. <i>Journal of King Saud University - Science</i> , 2022, 34, 101707.	3.5	28
3	Prediction of B20 Storage Tank Precipitate Removal Based on Biodiesel Monoglyceride Content. <i>ChemEngineering</i> , 2022, 6, 7.	2.4	0
4	In-vitro antioxidant, in-vivo anti-inflammatory, and acute toxicity study of Indonesian propolis capsule from <i>Tetragonula sapiens</i> . <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2489-2500.	3.8	6
5	Physicochemical and oxidative stability of indigenous traditional tengkawang butter as potential cocoa butter equivalent (CBE). <i>International Journal of Food Properties</i> , 2022, 25, 780-791.	3.0	3
6	Molecular interaction analysis of Sulawesi propolis compounds with SARS-CoV-2 main protease as preliminary study for COVID-19 drug discovery. <i>Journal of King Saud University - Science</i> , 2021, 33, 101234.	3.5	29
7	Scale-up production simulation of biscuit fortified with propolis as immunomodulator. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	2
8	Evaluating the potency of Sulawesi propolis compounds as ACE-2 inhibitors through molecular docking for COVID-19 drug discovery preliminary study. <i>Journal of King Saud University - Science</i> , 2021, 33, 101297.	3.5	39
9	The cytotoxic and anti-inflammatory potential of <i>Tetragonula sapiens</i> propolis from Sulawesi on raw 264.7 cell lines. <i>Journal of King Saud University - Science</i> , 2021, 33, 101314.	3.5	12
10	Effect of Additional Amino Group to Improve the Performance of Immobilized Lipase From <i>Aspergillus niger</i> by Adsorption-Crosslinking Method. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	15
11	Metabolome analysis and chemical profiling of Indonesian royal jellies as the raw material for cosmetic and bio-supplement products. <i>Heliyon</i> , 2021, 7, e06912.	3.2	2
12	IN-SILICO dynamic analysis of Sulawesi propolis as anti-endometriosis drug: Interaction study with TNF alpha receptor, NF-kB, estrogen receptor, progesterone receptor and prostaglandin receptor. <i>Annals of Medicine and Surgery</i> , 2021, 67, 102459.	1.1	4
13	Potential hepatoprotective effects of flavonoids contained in propolis from South Sulawesi against chemotherapy agents. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5461-5468.	3.8	11
14	Effectiveness of propolis gel on <i>Mus musculus</i> (Swiss Webster) periodontitis model with ligature silk thread application. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	1
15	Anti-Breast Cancer Activity on MCF-7 Cells of Melittin from Indonesia's <i>Apis cerana</i> : An In Vitro Study. <i>Asian Pacific Journal of Cancer Prevention</i> , 2021, 22, 3913-3920.	1.2	7
16	The beneficial effect of Indonesian propolis wax from <i>Tetragonula sp.</i> as a therapy in limited vaginal candidiasis patients. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 142-146.	3.8	10
17	Solid state fermentation method for production of laccase enzyme with bagasse, cornstalk and rice husk as substrates for adrenaline biosensor. <i>Energy Reports</i> , 2020, 6, 336-340.	5.1	15
18	The Effects of stingless bee (<i>Tetragonula biroi</i>) honey on streptozotocin-induced diabetes mellitus in rats. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2025-2030.	3.8	15

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19	Semi-quantitative risk assessment on the impact of port development to wellhead platform. <i>Process Safety Progress</i> , 2020, 39, e12117.	1.0	0
20	Investigation of the optimum condition for biogas production using cow manure and lemongrass as the substrates. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
21	Analysis for the feasibility of portable biodigester to produce household scale energy. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
22	Surface plasmon resonance analysis for detecting non-structural protein 1 of dengue virus in Indonesia. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1931-1937.	3.8	9
23	Progress of fermentation methods for bio-succinic acid production using agro-industrial waste by <i>Actinobacillus succinogenes</i> . <i>Energy Reports</i> , 2020, 6, 234-239.	5.1	25
24	Physical and chemical characterization of dry mud propolis for natural scrub cosmetic. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	6
25	Sensitivity analysis of gas distribution pipeline risk assessment methodology in Indonesia. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
26	Molecular docking analysis of podophyllotoxin derivatives in Sulawesi propolis as potent inhibitors of protein kinases. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	6
27	Scale-up production simulation of tooth gel containing Casein phosphopeptide "Amorphous calcium phosphate (CPP-ACP) and propolis to inhibit teeth demineralization. , 2020, , .		0
28	Production and composition identification of sea cucumber jelly from <i>Holothuria scabra</i> . <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
29	Immobilization of Cholesterol Oxidase from <i>Streptomyces</i> Sp. on Magnetite Silicon Dioxide by Crosslinking Method for Cholesterol Oxidation. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 968-980.	2.9	3
30	Reduction of the acidity and peroxide numbers of tengkawang butter (<i>Shorea stenoptera</i>) using thermal and acid activated bentonites. <i>Heliyon</i> , 2020, 6, e05742.	3.2	12
31	Preliminary studies: the potential anti-angiogenic activities of two Sulawesi Island (Indonesia) propolis and their chemical characterization. <i>Heliyon</i> , 2019, 5, e01978.	3.2	16
32	Propolis Components from Stingless Bees Collected on South Sulawesi, Indonesia, and Their Xanthine Oxidase Inhibitory Activity. <i>Journal of Natural Products</i> , 2019, 82, 205-210.	3.0	30
33	Efficacy of propolis fluoride in inhibiting the formation of <i>Streptococcus mutans</i> , <i>Streptococcus gordonii</i> , and <i>Streptococcus sanguinis</i> biofilm. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
34	Total phenolic content and antioxidant activity of spray-dried microcapsules propolis from <i>Tetragonula</i> species. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	12
35	Purification of recombinant protein apoptin from two cell host <i>Bacillus subtilis</i> 168 and <i>Escherichia coli</i> B121 Starâ„¢. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
36	Apoptin gene optimization in <i>Escherichia coli</i> . <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0

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37	Effect of ethanolic propolis extract from <i>Tetragonula biroi</i> bees on the growth of human cancer cell lines HeLa and MCF-7. , 2019, , .		8
38	Kinetic study of cholesterol oxidation by cholesterol oxidase enzyme as application for cholesterol biosensor. AIP Conference Proceedings, 2019, , .	0.4	4
39	Formulation of hard candy contains pure honey as functional food. AIP Conference Proceedings, 2019, , .	0.4	3
40	Propolis Exerts an Anti-Inflammatory Effect on PMA-Differentiated THP-1 Cells via Inhibition of Purine Nucleoside Phosphorylase. <i>Metabolites</i> , 2019, 9, 75.	2.9	19
41	Evaluation of the potential of Nano Silver Fluoride against <i>Streptococcus mutans</i> and <i>Enterobacter faecalis</i> in various stages of biofilm maturation. , 2019, , .		1
42	Study controlled release, toxicity test, and pesticide test of microcapsule eugenol with casein micelle. AIP Conference Proceedings, 2019, , .	0.4	3
43	Alpha-glucosidase inhibitory activity of stingless bee honey from <i>Tetragonula biroi</i> and <i>Tetragonula laeviceps</i> . AIP Conference Proceedings, 2019, , .	0.4	6
44	Molecular Docking Study of Anti-Inflammatory Biomarkers in Sulawesi Propolis as Potent Inhibitors of Cyclooxygenase-2. , 2019, , .		2
45	The comparison effect of CPP-ACP containing propolis and CPP-ACP without propolis on the number of <i>Streptococcus mutans</i> in white-spot enamel surface. AIP Conference Proceedings, 2019, , .	0.4	0
46	The effects of heating process on protein isolation of lionfish (<i>Pterois volitans</i>) spines venom extract to antioxidant activity assay. AIP Conference Proceedings, 2019, , .	0.4	2
47	Extraction, antioxidant, and bioactive component assay of lionfish venom <i>Pterois volitans</i> . AIP Conference Proceedings, 2019, , .	0.4	0
48	Comparison of original honey (<i>Apis sp</i> and <i>Tetragonula sp</i>) and fake honey compounds in Indonesia using gas chromatography-mass spectrometry (GC-MS). AIP Conference Proceedings, 2019, , .	0.4	2
49	Utilization of lionfish (<i>Pterois volitans</i>) venomous spines with effective purification as an alternative antiretroviral HIV/AIDS. AIP Conference Proceedings, 2019, , .	0.4	1
50	Purification and characterization of proteins in multifloral honey from kelulut bee (stingless bee). <i>Heliyon</i> , 2019, 5, e02835.	3.2	2
51	In vitro release study of sambiloto (<i>Andrographis paniculata</i>) extract encapsulated by casein micelle as anti-diabetic herbal drug. AIP Conference Proceedings, 2019, , .	0.4	1
52	The influence of heating process on anticancer activity of <i>Pterois volitans</i> (red lionfish) venom extraction against human cervical carcinoma cell. AIP Conference Proceedings, 2019, , .	0.4	2
53	Explore type and concentration of Indonesian propolis wax in inhibiting <i>Candida albicans</i> : In vitro study anti-candidiasis. AIP Conference Proceedings, 2019, , .	0.4	0
54	Microencapsulation of clove oil using spray dry with casein encapsulator and activity test towards <i>Streptococcus mutans</i> . AIP Conference Proceedings, 2019, , .	0.4	2

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55	Anti-inflammatory activity of <i>Tetragonula</i> species from Indonesia. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 1531-1538.	3.8	17
56	Identification and classification of honey's authenticity by attenuated total reflectance Fourier-transform infrared spectroscopy and chemometric method. <i>Veterinary World</i> , 2019, 12, 1304-1310.	1.7	12
57	Antiretroviral activity of <i>Pterois volitans</i> (red lionfish) venom in the early development of human immunodeficiency virus/acquired immunodeficiency syndrome antiretroviral alternative source. <i>Veterinary World</i> , 2019, 12, 309-315.	1.7	8
58	The Roles of Ulama in the process of Post-Conflict Reconciliation in Aceh. <i>Society</i> , 2019, 7, 251-267.	0.3	2
59	Antimicrobial activities of pomelo (<i>Citrus maxima</i>) seed and pulp ethanolic extract. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	8
60	Microencapsulation of ethanol extract propolis by maltodextrin and freeze-dried preparation. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	5
61	Batch crystallization of rifapentine for inhalable tuberculosis medication. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
62	Prefoldin, a jellyfish-like molecular chaperone: functional cooperation with a group II chaperonin and beyond. <i>Biophysical Reviews</i> , 2018, 10, 339-345.	3.2	25
63	Selection of propolis <i>Tetragonula</i> sp. extract solvent with flavonoids and polyphenols concentration and antioxidant activity parameters. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	9
64	Characterization of cellulase from <i>E. coli</i> BPPTCC-EGRK2. <i>E3S Web of Conferences</i> , 2018, 52, 00024.	0.5	1
65	Selection of discrimination marker from various propolis for mapping and identify anti <i>Candida albicans</i> activity. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	8
66	Scale Up Production Indonesian Liquid Propolis From Raw Propolis and Wild Beehive Using Bubbling Vacuum Evaporator. <i>MATEC Web of Conferences</i> , 2018, 248, 04001.	0.2	1
67	The effect of propolis honey candy on <i>Streptococcus mutans</i> prevalence in caries and caries-free subjects. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
68	Recent and Perspective of Fuel Quality Control Method in Indonesia. , 2018, , .		0
69	Extraction and characterization of yeast extract bioethanol byproduct from empty palm oil bunch for raw material of cosmetic products. <i>E3S Web of Conferences</i> , 2018, 67, 03040.	0.5	0
70	Propolis Wax Application as Antimicrobial Active Substances of Transparent Soap. , 2018, , .		0
71	Characterization of yeast extract co-product bioethanol from empty palm oil bunch. <i>E3S Web of Conferences</i> , 2018, 67, 03039.	0.5	3
72	Growth Kinetic of <i>Bacillus subtilis</i> for Pyrene biodegradation. <i>Energy Procedia</i> , 2018, 153, 248-252.	1.8	4

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73	Antimicrobial activity of biosurfactant derived from <i>Bacillus subtilis</i> C19. <i>Energy Procedia</i> , 2018, 153, 274-278.	1.8	36
74	Anti oral biofilm mouthwash nanoemulsion containing extract propolis and curcumin. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
75	Stability study of honey, black seed oil, and olive oil emulsions with lechitin as the emulsifier. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
76	Indonesian honey protein isolation <i>Apis dorsata dorsata</i> and <i>Tetragonula</i> sp. as antibacterial and antioxidant agent. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
77	The effect of propolis honey candy on <i>C. Albicans</i> and clinical isolate biofilms viability (in-vitro). <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
78	Antiviral activity of <i>Acanthaster planci</i> phospholipase A2 against human immunodeficiency virus. <i>Veterinary World</i> , 2018, 11, 824-829.	1.7	6
79	Production of Dry Extract Lipase from <i>Pseudomonas Aeruginosa</i> by the Submerged Fermentation Method in Palm Oil Mill Effluent. <i>International Journal of Technology</i> , 2018, 9, 325.	0.8	12
80	Isolation and Molecular Weight Characterization of <i>Tetragonula laeviceps</i> Honey Protein. <i>Makara Journal of Technology</i> , 2018, 22, 9.	0.3	2
81	Optimization in expression and purification of modified apoptin as selective anti-cancer therapy. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
82	Production and characterization of vaginal suppositories with propolis wax as active agent to prevent and treat <i>Fluor albus</i> . <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
83	Formulation of microemulsion propolis fluoride (PF) as varnish topical agent to stop activity of teeth caries. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
84	Encapsulation of eugenol from clove oil using casein micelle for solid preparation. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	5
85	Nano-preparation of <i>Andrographis paniculata</i> extract by casein micelle for antidiabetic agent. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
86	Effect of chitosan's amino group in adsorption-crosslinking immobilization of lipase enzyme on resin to catalyze biodiesel synthesis. <i>Energy Procedia</i> , 2017, 136, 47-52.	1.8	23
87	Optimization of Microencapsulation Composition of Menthol, Vanillin, and Benzyl Acetate inside Polyvinyl Alcohol with Coacervation Method for Application in Perfumery. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 214, 012005.	0.6	3
88	Bacteriocin-like inhibitory substance (BLIS) activity of <i>Streptococcus macedonicus</i> MBF10-2 and its synergistic action in combination with antibiotics. <i>Asian Pacific Journal of Tropical Medicine</i> , 2017, 10, 1140-1145.	0.8	9
89	CLINICALLY STUDY OF TRANSPARENT SOLID SOAP CONTAINING INDONESIAN PROPOLIS WAX IN THREATED LEUKORRHEA CAUSED BY <i>CANDIDA ALBICANS</i> . <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 2017, 9, 275.	0.3	1
90	Saponin Isolation as Main Ingredients of Insecticide and Collagen Type I From Crown of Thorn's Starfish (<i>Acanthaster planci</i>). <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 89, 012032.	0.3	0

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91	THE EFFECT OF CASEIN PHOSHOPEPTIDE-AMORPHOUS CALCIUM PHOSPHATE-PROPOLIS CHEWING GUM ON CALCIUM AND PHOSPHATE ION LEVELS IN CARIES-FREE SUBJECT'S SALIVA AND STREPTOCOCCUS MUTANS BIOFILM FORMATION. Asian Journal of Pharmaceutical and Clinical Research, 2017, 10, 174.	0.3	4
92	Release Profile and Inhibition Test of The Nanoparticles <i>A. Paniculata</i> Extract as Inhibitor of α -Glucosidase in The Process of Carbohydrates Breakdown Into Glucose Diabetes Mellitus. IOP Conference Series: Materials Science and Engineering, 2017, 214, 012026.	0.6	1
93	Encapsulation Process of Propolis Extract by Casein Micelle Improves Sunscreen Activity. Makara Journal of Technology, 2017, 21, 1.	0.3	13
94	Production of a Biopesticide Based on a Cysteine Protease Enzyme from Latex and Papaya (<i>Carica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Technology, 2017, 8, 1455.	0.8	6
95	Phytochemical Profile and Antioxidant Activity of Propolis Ethanolic Extract from <i>Tetragonula</i> Bee. Pharmacognosy Journal, 2017, 10, 128-135.	0.8	31
96	THE EXPRESSION AND PURIFICATION OF OCTA-ARGININE APOPTIN AND ITS ABILITY TO KILL CANCER CELLS. International Journal of Pharmacy and Pharmaceutical Sciences, 2016, 8, 102.	0.3	0
97	Contribution of the C-Terminal Region of a Group II Chaperonin to its Interaction with Prefoldin and Substrate Transfer. Journal of Molecular Biology, 2016, 428, 2405-2417.	4.2	9
98	Solid State Fermentation using Agroindustrial Wastes to Produce <i>Aspergillus Niger</i> Lipase as a Biocatalyst Immobilized by an Adsorption-crosslinking Method for Biodiesel Synthesis. International Journal of Technology, 2016, 7, 1392.	0.8	11
99	Tooth spray with active ingredients casein phosphopeptide α amorphous calcium phosphate (CPP α) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Science and Technology, 2016, 1, 56-60.	0.8	6
100	Molecular Chaperones in Thermophilic Eubacteria and Archaea. , 2013, , 375-394.		2
101	Cultivation Process Optimization Of Recombinant <i>Bacillus Subtilis</i> Harbours Apoptin Gene. Microbiology Indonesia, 2013, 7, 152-158.	0.3	2
102	Analysis of the interaction mode between hyperthermophilic archaeal group II chaperonin and prefoldin using a platform of chaperonin oligomers of various subunit arrangements. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1810-1816.	2.3	2
103	Thermodynamic Characterization of the Interaction between Prefoldin and Group II Chaperonin. Journal of Molecular Biology, 2010, 399, 628-636.	4.2	16
104	Hyperthermophilic archaeal prefoldin shows refolding activity at low temperature. Biochemical and Biophysical Research Communications, 2010, 391, 467-470.	2.1	7
105	Construction and characterization of the hetero-oligomer of the group II chaperonin from the hyperthermophilic archaeon, <i>Thermococcus</i> sp. strain KS-1. Extremophiles, 2009, 13, 437-445.	2.3	3
106	Sequential Action of ATP-dependent Subunit Conformational Change and Interaction between Helical Protrusions in the Closure of the Built-in Lid of Group II Chaperonins. Journal of Biological Chemistry, 2008, 283, 34773-34784.	3.4	24
107	Nano-sized tetralanthanoid-copper complex ions containing oximate bridges. Synthetic Metals, 2005, 154, 217-220.	3.9	18
108	Lipase Biocatalyst Immobilization from Solid State Fermentation of Palm Oil Empty Fruit Bunches, Bagasse, and Palm Oil Sludge with Adsorption-Cross Linking Method in Anion Macroporous Resin. Materials Science Forum, 0, 929, 209-217.	0.3	0

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109	Michaelis-Menten Parameters Characterization of Commercial Papain Enzyme "Paya" IOP Conference Series: Earth and Environmental Science, 0, 217, 012037.	0.3	6
110	STABILITY OF ZOLEDRONATE GEL EMULSION IN VIRGIN COCONUT OIL. International Journal of Applied Pharmaceutics, 0, , 201-206.	0.3	1
111	MICROENCAPSULATION OPTIMIZATION OF PROPOLIS ETHANOLIC EXTRACT FROM TETRAGONULA SPP USING RESPONSE SURFACE METHODOLOGY. International Journal of Applied Pharmaceutics, 0, , 197-206.	0.3	10
112	The Effects of Nano-Casein Encapsulation and Productions of a Controlled-Release on Eugenol Containing Bio-Pesticide Toxicity. Key Engineering Materials, 0, 874, 115-127.	0.4	2