

CURRICULUM VITAE



A. Personal Data

1.	Full Name (Academic Title)	Dr. Yudhi Nugraha, S.Si, M.Biomed
2.	Employee ID Number	199010142022021001
3.	Indonesia ID Number	3604021410900230
4.	Place and Date of Birth	Serang, 14 October 1990
5.	Institution	Research Center for Molecular Biology EIJKMAN, National Research and Innovation Agency, Republic of Indonesia (BRIN-RI)
6.	Position	Researcher (Peneliti Ahli Muda / IIIc) Head of Scientific Committee of Cryo-EM Facility
7.	Expertise	Structural biology and molecular biology
8.	Google Scholar	https://scholar.google.com/citations?user=gkx-yZ0AAAAJ&hl=en (H-indeks : 7)
9.	ORCID and Scopus ID	https://orcid.org/0000-0003-1186-4093 https://www.scopus.com/authid/detail.uri?authorId=56114808000
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11.	Telephone Number (Mobile)	+6281299736303

B. Formal Education*

Education (S1/S2/S3)	University/College	Majoring	Graduation Year
S3/ Ph.D	Nara Institute of Science and Technology (NAIST) Japan	Structural Biology	2018
S2/ M.Biomed	Faculty of Medicine, Universitas Indonesia (FKUI)	Biomedicine	2014
S1/ B.Sc	Faculty of Science, UIN Jakarta	Biology	2011

C. Working Experience

No.	Year	Position	Organization
1.	2025-now	Head of Scientific Committee of Cryo-EM National Facility	National Research and Innovation Agency, Republic of Indonesia (BRIN-RI) & In paralel as Permanent researcher of Research Center for Molecular Biology Eijkman
2	2024-2025	Postdoctoral Researcher	Structure Biology of Membrane Protein Lab, Department of Molecular Medicine, University of Pavia, Italy
3	2022-2023	Coordinator for Global Collaboration based Cryo-EM BRIN	National Research and Innovation Agency, Republic of Indonesia (BRIN-RI)
3.	2020-2022	Postdoctoral Researcher	Protein X-ray Crystallography Lab. Spanish National Cancer Research Center (CNIO), Madrid, Spain
4	2020-2021	Senior Scientific Manager	Kalbe Genomic, PT. Kalbe Farma Tbk
5	2014-2019	Asisst. Professor (Permanent)	Department of Biology Medicine, Faculty of Medicine, UPN Jakarta
6	2012-2014	Research Assistant	Insitute of Human Virology and Cancer Biology (IHVCB) Faculty of Medicine, University of Indonesia

D. Funded Research*

No.	Year	Funding Agency	Research Title/Topic	Research partner (if any)
1.	2024-2025	Ministry of University and Research (MUR) of Italy	Structural Study on the molecular and cellular biology of GLUT1 Deficiency Syndrome.	Department Molecular of Medicine, University of Pavia, Italy. <i>Prof Marco Lolicato</i>
2.	2021-2022	BBVA foundation. Working at CNIO Madrid-Spain	Synthetic immunology to engineer SARS-CoV2 immunity using structure based design with X-ray Crystallography and CryoEM	X-ray Crystallography Lab. Spanish National Cancer Research Center, CNIO Madrid, Spain. <i>Prof. Ines G Munoz</i>
3.	2015-2018	Manbusho Japan Government	Structural study of the ligand-binding specificity of peroxisome proliferator-activated receptors delta (PPAR δ) funded	Nara Institute of Science and Technology (NAIST) Japan. <i>Prof Toshio Hakoshima</i>
4	2016	Biological Science of NAIST and UC Davis	Structural Study of Protein associated in cell proliferation of Hydra	Univeristy of California Davis. USA. <i>Prof Celina Juliano</i>
5	2012-2014	Universitas Indonesia	Standarization of Platelet Count in Platelet Concentrates for Additive Medium of Mesenchymal Stem cell	Professor Jeanne Adiwinata Pawitan

E. Intellectual Property Rights (IPR)*

No.	IPR	Title	Year	Status
1.	P00202414583	Media Terdefinisi Produksi Enzim D-allulosa 3-epimerase dengan Metode Autoinduksi dan Penggunaannya	2024	Submitted
2.	P00202315134.	Formula Modifikasi Medium Dan Prosedur Isolasi Sel Punca Mesenkimal Darah Tali Pusat Manusia	2023	Granted
3.	2022/S/01394.	Formula Medium Proliferasi Sel Kulit Mengandung Kombinasi Madu dari Lebah Apis Mellifera dan Royal Jelly dari Lebah Tetragonola sp. asal Indonesia	2022	Granted

F. Publications (International Journal only for five years)*

No.	Title	Journal / Vol	Year	Digital Object Identifier (DOI)
1	A robust strategy for overexpression of DNA polymerase from <i>Thermus aquaticus</i> using an IPTG-independent autoinduction system in a benchtop bioreactor	Scientific Report . 5891 (Indexed Q1) Nature Publisher	2025	https://doi.org/10.1038/s41598-025-89902-4
2	Halothermophilic Cas9 and dCas9 Interaction with Variety sgRNA In-silico.	Internasional Journal of Technology, Vol 16 No. 1 (Q1)	2025	https://doi.org/10.14716/ijtech.v16i1.7367
3	Structural and Functional Implications of Polyarginine Addition to Green Fluorescent Protein Expression in <i>Saccharomyces cerevisiae</i> INVSc1	F1000Research. 12:1 (Q1)	2025	https://doi.org/10.12688/f1000research.123181.3
4	Recombinant YebF-Cas9 Fusion Enzyme from Thermophilic <i>Geobacillus kaustophilus</i> Interaction with sgRNA by In Silico Method	Internasional Journal of Technology. Vol 16 No. 2 (Q1)	2025	https://doi.org/10.14716/ijtech.v16i2.7372
5	Production of reverse transcriptase from Moloney murine Leukemia virus in <i>Escherichia coli</i> expression system	Preparative Biochemistry and Biotechnology, 54 (8), 1079-1087 (Q3)	2024	https://doi.org/10.1080/10826068.2024.2317311
6	AlphaFold2 artificial intelligence implication to the structure-based drug design and future of integrative structural biology	2774 (1) AIP. Proceeding International	2024	https://doi.org/10.1063/5.0173041
7	Investigation of α -glucosidase and α -amylase inhibition for antidiabetic potential of agarwood (<i>Aquilaria malaccensis</i>) leaves extract	Biocatalysis and Agricultural Biotechnology. 06. Vol 58. Pages 103152 (Q1)	2024	https://doi.org/10.1016/j.bcab.2024.103152
8	High-level expression of codon-optimized Taq DNA Polymerase under the control of rhaBAD promoter	Analytical Biochemistry. 05. Vol. 692. Pages 115581 (Q3)	2024	https://doi.org/10.1016/j.ab.2024.115581
9	Dendritic Cell-Mediated Cross-Priming by a Bispecific Neutralizing Antibody Boosts Cytotoxic T Cell Responses and Protects Mice against SARS-CoV-2	Advanced Science. 2304818 (Q1)	2023	https://doi.org/10.1002/advs.202304818

No.	Title	Journal / Vol	Year	Digital Object Identifier (DOI)
10	Nicotiana tabacum var. Virginia Bio Oil-based Pyrolysis Extraction Have Prominence Antimicrobial Potential Compared to Ethanol Heat Reflux Extraction (EHRE)	HAYATI Journal of Biosciences, 29 (4), 515-525, 2022 (Q3)	2023	https://doi.org/10.4308/hjb.29.4.515-525
12	The phytochemical and pharmacological activity of extract Kirinyuh (Chromolaena odorata L.) leaves: A Review	Pharmacognosy Journal. 14 (5) (Q3)	2022	https://doi.org/10.5530/pj.2022.14.139
13	Mutation of UDP-glucose binding motif residues lead to increased affinity for ADP-glucose in sugarcane sucrose phosphate synthase	Molecular Biology Reports, 48 (2), 1697-1706 (Q2)	2021	https://doi.org/10.1007/s11033-021-06181-8
14	The effect of Indonesian honey Tetragonula sp. and Indonesian royal jelly Apis mellifera (Ceiba pentandra) to human preputium cell proliferation in serum-free DMEM	755 (1), 012043, 2021. IOP Conference Series: Earth and Environmental Science	2021	https://doi.org/10.1088/1755-1315/755/1/012043

G. Organization and Award

No.	Title	Year
1	President-elect of Indonesia Structural Biology Association (ISBA)	2024-now
2	Akademi Ilmuan Muda Indonesia (ALMI) 2024-2029 Pokja untuk Sains dan Kebijakan	2024-now
3	Head of Scientific Department and International Collaboration. Indonesian Society for Molecular Biology and Biochemistry (ISMBMB/ PBBMI)	2023-2028
3	Selected member of Indonesian-American KAVLI National Academy of Science USA	2023
4	Young scientist award from Federation of Asian and Oceanian Molecular Biologist and Biochemist (FAOMBM)	2019
5	MEXT awardee from Japan Government, UtoU scheme between UI and NAIST	2015-2019
6	Member of American Society for Biochemistry and Molecular Biology	2022

Jakarta, 28 March 2025



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