

Publication List

For Applying The Hong Kong Laureate Forum

Name : Yudhi Nugraha
Scopus Author Profile : <https://www.scopus.com/authid/detail.uri?authorId=56114808000>
Google Scholar : <https://scholar.google.com/citations?user=gkx-yZ0AAAAAJ&hl=en>

International Publication

- 2025. Laksmi, F.A., Lischer, K., **Nugraha, Y.** et al. A robust strategy for overexpression of DNA polymerase from *Thermus aquaticus* using an IPTG-independent autoinduction system in a benchtop bioreactor. *Scientific Report* 15, 5891. <https://www.nature.com/articles/s41598-025-89902-4>
- 2025. Muthi'ah, H, Laksmi, FA, **Nugraha, Y.**, Khayrani, AC, Nurhayati, RW, Ali, MSM & Lischer, K 2025, 'Recombinant YebF-Cas9 fusion enzyme from thermophilic *Geobacillus kaustophilus* interaction with sgRNA by in silico method', *International Journal of Technology*, vol. 16, no. 2, pp. 662-671
- 2024. **Nugraha, Y.**, Laksmi, F.A., Nuryana, I., Helbert and Khasna, F.N., 2024. Production of reverse transcriptase from Moloney murine Leukemia virus in *Escherichia coli* expression system. *Preparative Biochemistry & Biotechnology*, pp.1-9.
- 2024. **Nugraha, Y.**, Akbar, N.A., Ertanto, Y. and Pramono, A.P., 2024, August. AlphaFold2 artificial intelligence implication to the structure-based drug design and future of integrative structural biology. *AIP Conference Proceedings* (Vol. 2774, No. 1). AIP Publishing.
- 2024. Laksmi, F. A., Dewi, K. S., Nuryana, I., Yulianti, S. E., Ramadhan, K. P., Hadi, M. I., & **Nugraha, Y.** High-level expression of codon-optimized Taq DNA Polymerase under the control of rhaBAD promoter. *Analytical biochemistry*, 115581.
- 2024. Wibowo, S., Wardhani, S.K., Hidayati, L., Wijayanti, N., Matsuo, K., Costa, J., **Nugraha, Y.**, Siregar, J.E. and Nuringtyas, T.R., 2024. Investigation of α -glucosidase and α -amylase inhibition for antidiabetic potential of agarwood (*Aquilaria malaccensis*) leaves extract. *Biocatalysis and Agricultural Biotechnology*, 58.
- 2024. Tandio Saputro, S.S., Wahyunita, K., Nurhasanah, A., **Nugraha, Y.**, Faizal, I., Pambudi, S. and Pramono, A.P., 2024. Expression of modified enhanced green fluorescent polyarginine protein in *Saccharomyces cerevisiae* INVSc1. *F1000Research*, 12, p.1.
- 2023. Lázaro-Gorines, R., Pérez, P., Heras-Murillo, I., Adán-Barrientos, I., Albericio, G., Astorgano, D., Flores, S., Luczkowiak, J., Labiod, N., Harwood, S.L. and Segura-Tudela, A. **Nugraha Y.**, 2023. Dendritic Cell-Mediated Cross-Priming by a Bispecific Neutralizing Antibody Boosts Cytotoxic T Cell Responses and Protects Mice against SARS-CoV-2. *Advanced Science*, 10(34).
- 2022. Harfiani, E., **Nugraha, Y.**, Aprilia, C.A., Makkiyah, F.A., Puspita, R., Kharisma, V.D., Widyananda, M.H., Murtaglo, A.A.A., Turista, D.D.R., Tamam, M.B. and Mandeli, R.S., 2022. The phytochemical and pharmacological activity of extract *Kirinyuh* (*Chromolaena odorata* L.) leaves: A Review. *Pharmacognosy Journal*, 14(5).

- 2022. Margareta, F.L., **Nugraha, Y.**, Nurcita, B. and Fauziah, C., 2022. Potential Of Umbilical Cord Mesenchymal Stem Cell (Uc-Msc) In Therapy Of Rheumatoid Arthritis (Ra). *Rheumatology (Bulgaria)*, 30(2), pp.44-52.
- 2021. Fachrani, Q.S., Dhifanra, M.A., **Nugraha, Y.**, Yulianti, R., Sahlan, M., Pambudi, S., Nurhasanah, A. and Pramono, A., 2021, April. The effect of Indonesian honey *Tetragonula* sp. and Indonesian royal jelly *Apis mellifera* (*Ceiba pentandra*) to human preputium cell proliferation in serum-free DMEM. In *IOP Conference Series: Earth and Environmental Science* (Vol. 755, No. 1, p. 012043). IOP Publishing.
- 2021. Kurniah, N.I., Sawitri, W.D., Rohman, M.S., **Nugraha, Y.**, Hase, T. and Sugiharto, B., 2021. Mutation of UDP-glucose binding motif residues lead to increased affinity for ADP-glucose in sugarcane sucrose phosphate synthase. *Molecular biology reports*, 48(2), pp.1697-1706.
- 2020. Lischer, K., Putra, A.B.R.D., Guslianto, B.W., Avila, F., Sitorus, S.G. and **Nugraha, Y.**, 2020. The emergence and rise of indigenous thermophilic bacteria exploration from hot springs in Indonesia. *Biodiversitas Journal of Biological Diversity*, 21(11).
- 2014. Sari, P., Luviah, E., **Nugraha, Y.**, Pawitan, J.A., Lilianty, J. and Purwoko, R.Y., 2014. Various growth factors yield in various platelet rich plasma processing methods. *BTAIJ*, 9(11), pp.475-8.
- 2014. **Nugraha, Y.**, Sari, P., Purwoko, R.Y., Luviah, E. and Pawitan, J.A., 2014. The effect of lysed platelet count in platelet concentrates on various growth factor levels after freeze thaw cycles. *Int J PharmTech Res*, 6(7), pp.2036-42.

Local Indonesian Journal

- 2022. Sari, K., Lestari, D.P.O., Novitasari, N., **Nugraha, Y.**, Prasasty, V.D. and Sakti, S.P., The Relationship Between Cervical Cancer Severity and miRNA-205 Expression in Bali. *Jurnal Profesi Medika*: 16(2).
- 2023. Chintia, C., **Nugraha, Y.**, Muktamiroh, H. and Pasiak, T.F., The Relationship Between Spirituality And Resilience with Level Of Depression In Medical Students. *Jurnal Pendidikan Kedokteran Indonesia: The Indonesian Journal of Medical Education*, 12(3), pp.251-260.
- 2022. Dini, T., **Nugraha, Y.**, Revina, R. and Karina, K. Safety and efficacy of mesenchymal stem cells in burn therapy: systematic review. *Molecular and Cellular Biomedical Sciences*, 6(3), pp.104-16.
- 2022. Mubarok, Z.R., Indrawati, W., Tisa, K. and **Nugraha, Y.** Effect Of Additional Bean Sprouts Extract on The Fermentation Time of Tempe Modification of Citric Acid. *ICATCE 2022*, p.40.
- 2022. Pramono, A.P., **Nugraha, Y.** and Yulianti, R., 2022. Productive Economic Improvement in the time of COVID-19 Pandemic for the People of Kampung KB Gandul with Innovation of" Mi Jaren"(Palm Sugar Ginger Lemongrass Drink). *Journal of Innovation and Community Engagement*, 3(2), pp.71-81.
- 2021. Salsabilah, A., **Nugraha, Y.**, Pramono, A.P. and Tjang, Y.S., 2021, March. Potential Implication of Saliva-Based Molecular Diagnostic in SARS-CoV-2. In *Seminar Nasional Riset Kedokteran* (Vol. 2, No. 1).

- 2021. Pramono, A.P., **Nugraha, Y.**, Rifkia, V. and Sahlan, M., 2021. Investigation Of Lymphocyte Enhancement In Vivo On Honey Intervention: A Systematic Review Study To Overcome Early Lymphopenia In Covid-19. *Jurnal Profesi Medika: Jurnal Kedokteran dan Kesehatan*, 15.
- 2021. Wibowo, M.R., Harfiani, E., Sarmoko, S. and **Nugraha, Y.**, 2021. The detection of SARS-CoV-2 using reverse transcription loop-mediated isothermal amplification (RT-LAMP) in developing country. *Pharmacy Reports*, 1(1), pp.9-9.
- 2021. Hunafa, A.F., Harahap, S.P., Yulianti, R. and **Nugraha, Y.**, 2021. Hubungan Diabetes Melitus dengan Kejadian Mortalitas pada Pasien Terkonfirmasi Covid-19 Tahun 2020: Systematic Review. *eJournal Kedokteran Indonesia*, pp.67-67.
- 2021. Thadeus, M.S., Fauziah, C., Bahar, M. and **Nugraha, Y.**, 2021. Penyuluhan Kegunaan Minyak Goreng yang Sehat untuk Penyakit Diabetes Mellitus pada Ibu Rumah Tangga di Perumahan Komplek Karyawan UPN Depok. *SULUH: Jurnal Abdimas*, 2(2), pp.145-150.
- 2021. Yolanda, O., Yuliana, S.D. and **Nugraha, Y.**, 2021. Effect of Honey, Aloe vera, and MEBO on Collagen Density in Healing Process of Second-Degree Burns in Rats. *Al-Kauniyah: Jurnal Biologi*, 14(1), pp.152-161.
- 2021. Malik, M., Ulma, A.B., Sarmoko, S. and Nugraha, Y., 2021. Fungsi kurkumin sebagai antidiabetes pada tingkat molekular. *Acta Pharmaciae Indonesia: Acta Pharm Indo*, 9(1), pp.70-77.
- 2021. **Nugraha, Y.**, Thadeus, M.S. and Irsyad, N.S., 2021. Edukasi Penyakit Kulit, Perilaku Hidup Bersih, Dan Cuci Tangan Pakai Sabun Untuk Santri Pondok Pesantren Modern Assa'adah Serang Banten. *Madani: Jurnal Pengabdian Kepada Masyarakat*, 7(1).
- 2020 Adhiwirawan, M.F., **Nugraha, Y.** and Fauziah, C., 2020. The effect of cyclophosphamide combined with zinc on male mice *Mus musculus* spermatozoa. *Acta Biochimica Indonesiana*, 3(1), pp.23-29.
- 2020. Siregar, G., **Nugraha Y.** 2020. Noise Exposure Decreases the Number of Spermatozoa in Male Mice (*Mus musculus* L.) Even With Grape Seed Extract (*Vitis vinifera* L.) Administration. *WMJ (Warmadewa Medical Journal)*, 5(2), pp.70-75.
- 2020 Sipahutar, K.V., **Nugraha, Y.** and Fauziah, C., 2020. Effect of rambutan fruit peel extract on total sperm counts of wistar rats with obesity. *Biota: Biologi dan Pendidikan Biologi*, 13(1), pp.21-29.

Peer Review Book

- 2021. Yudhi Nugraha & Andri Pramesyanti Pramono. Metode Purifikasi Protein Kromatografi Afinitas. Penerbit El-Markazi
- 2020. Andri Pramesyanti Pramono & Yudhi Nugraha. Strategi Mencari Obat Antiviral SARS-CoV2 (COVID-19) Penerbit El-Markazi
- 2018. Muhammad Idris Widhi Dyah Sawitri, Yudhi Nugraha, Muchammad Zainal Fanani. Metode Site-Directed Mutagenesis dalam Pengembangan Biologi Molekuler dan Bioteknologi. Bunga Rampai Forum Peneliti Muda Indonesia. Pages 181 – 191. Publisher ITB Press, Bandung

Intellectual Property (Patent)

- **P00202414583** – *Media Terdefinisi Produksi Enzim D-allulosa 3-epimerase dengan Metode Autoinduksi dan Penggunaannya* (2024 – Submitted)
- **P00202315134** – *Formula Modifikasi Medium dan Prosedur Isolasi Sel Punca Mesenkimal Darah Tali Pusat Manusia* (2023 – Granted)
- **2022/S/01394** – *Formula Medium Proliferasi Sel Kulit Mengandung Kombinasi Madu dari Lebah Apis Mellifera dan Royal Jelly dari Lebah Tetragonula sp. asal Indonesia* (2022 – Granted)