

Parallel Session

The 8th Gruber-Soedigdo Lecture 2025

Room A

Session Chair: Fatiha Khairunnisa, M.Si (Airlangga University)

Time	Presenter	Title
11.00 – 11.07	Steven Arianto	Molecular Insights into Novel IDS Mutations: Protein Structural and Biomarker Correlations in Indonesian Patients with Hunter Syndrome
11.07 – 11.14	Moch Saifur Rijal	Cellulose Nanofiber-Reinforced Keratin/Sericin Hydrogel-based Scaffold for Biomedical Applications
11.14 – 11.21	Poppy Mai Versiska	Rational Design and In Silico Validation of a Potent Multi-Epitope Vaccine Candidate Against Dengue Virus
11.21 – 11.28	Yuana Nurulita	Metabolomic Analysis to Evaluate the Effect of Fermentation Agitation and Type of Extraction Solvent on Co-Culture of <i>Penicillium</i> sp. LBKURCC34 and <i>Staphylococcus aureus</i>
11.28 – 11.35	Irgi Henesta	Immobilization of <i>Candida rugosa</i> Lipase on polyhydroxybutyrate Biopolymer as a Supporting Material in Biodiesel Synthesis
11.35 – 11.42	Muhamad Novan Agandra Rois	A Self-Assembled Erythrocyte Biomatrix as a Superior Biocatalyst for Carbon Capture
11.42 – 11.49	Sabrina Ocha Felinda	Tuning the Structure and Bioperformance of Doped Biphasic Calcium Phosphate Biomaterial Toward Next Generation Bone Tissue Engineering
11.49 – 11.56	Yuli Haryani	Synergistic Enhancement of Antimicrobial Activity in <i>Lactococcus lactis</i> ATCC 11454 through CRISPR/Cas9-Mediated <i>ldh</i> Deletion and <i>nisRK</i> Overexpression

Parallel Session

The 8th Gruber-Soedigdo Lecture 2025

Room B

Session Chair: Yoshua Donny Rudinatha, Ph.D (Indonesia International Institute for Life Sciences)

Time	Presenter	Title
11.00 – 11.07	Prof. Dr. Titania Tjandrawati Nugroho	Laccase Production by Mycorrhizal Isolates from a Central Kalimantan National Peat Swamp Forest: Screening and Challenges in Quantitative Assessment
11.07 – 11.14	Baiq Repika Nurul Furqan	Genomic Sequencing Analysis of a Unique PLS47 Isolated from Deep Sea Vent
11.14 – 11.21	Muhammad Aqib Hanif	Effect of single point mutation in enhancing the activity, thermostability and product specificity of <i>BaqA</i> ΔC alpha amylase
11.21 – 11.28	Dwindi Agryanti Johar	Carotenoids Profile of Seaweed <i>Halimeda</i> sp. Harvested in Two Different Seasons
11.28 – 11.35	Bahzad Ahmad Farhan	Identification and Growth Optimization of Indigenous Thermoacidophilic <i>Galdieria sulphuraria</i> from Indonesia for Enhanced CO ₂ Sequestration
11.35 – 11.42	Puspa Sari Dewi	Expression of Serine Hydroxymethyl-transferase (SHMT) through Metagenomic Approach
11.42 – 11.49	Tamamal Afiah Purnomo	Expression and Characterization of Recombinant Major Ampullate Spidroin subtype-2 (MaSp2) in <i>Pichia pastoris</i>
11.49 – 11.56	Budi Asmanto	Identification of Pitcher Plant (<i>Nepenthes</i> sp.) Types Using Deep Learning-Based Models