



Muhammad Adam Permana Putra

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Detail-oriented Biology graduate with a 3.73/4.00 GPA and hands-on expertise in applied microbiology, molecular biology, and clinical research operations. Proven track record in optimizing fermentation processes at BRIN and ensuring GCP/GCLP compliance for clinical trial assets at Mayapada Healthcare Group. Equipped with certifications in ISO 9001, ISO 22000, HACCP, GMP, GLP, and FSSC 22000, seeking to leverage strong analytical and data-driven problem-solving skills to drive product excellence in a Product Development, Quality Control, Quality Assurance, or Research & Development roles.

Education

Diponegoro University (2021 - 2025) - Semarang, Indonesia

Bachelor of Science (Biology) – GPA 3.73/4.00

- Relevant Focus : Applied Microbiology, Molecular Biology, Food Microbiology, Pharmaceutical and Cosmetic Microbiology.
- Thesis : “Optimization of Inoculant Type and Growth Conditions on the Nutraceutical Content of Fermented Salak Pondoh Fruit Juice (*Salacca zalacca* (Gaertn.) Voss)”

Work Experiences (Clinical & Laboratory)

Mayapada Healthcare Group

Clinical Research Unit Intern (2026)

- Ensured 100% compliance with ethical research standards by integrating Good Clinical Practice (GCP) and Good Clinical Laboratory Practice (GCLP) guidelines into all promotional and educational materials.
- Spearheaded a comprehensive 12-month social media marketing strategy across 3 primary platforms (Instagram, LinkedIn, Facebook) aligned with the global medical events calendar, projecting a 20% increase in patient and sponsor engagement.
- Managed the end-to-end development of patient-facing assets, including website mockup content, extensive patient FAQs, and physical promotional materials (e.g., hospital lift posters), improving clinical trial accessibility.
- Streamlined the patient recruitment and education process by formulating accessible FAQ documents and designing high-visibility hospital posters, directly addressing 100+ common patient inquiries.

Ministry of Maritime Affairs and Fisheries Republic of Indonesia

Aquatic Ornamental Plants and Fish Collection Analyst Intern (2025 – 2026)

- Analyzed and managed collections of aquatic ornamental plants and fish, gathering biodiversity, growth, and health data on 50+ species, producing reports that optimized inventory efficiency by 20%.
- Conducted environmental monitoring of aquatic systems using tools to measure water parameters (pH, temperature, dissolved oxygen) and data analysis software like Excel, ensuring optimal conditions that boosted fish survival rates to 95%.
- Collaborated with research teams and fish farmers to identify market trends in ornamental fish, delivering innovative recommendations that increased collection value by 15% via high-quality species diversification.
- Prepared analytical reports and data visualizations on growth trends and disease risks, presented to stakeholders to inform strategic decisions in ornamental fisheries business development.

National Research and Innovation Agency (BRIN)

Applied Microbiology Research Intern (2024 - 2025)

- Investigated food microbiology dynamics in fermented products, isolating and identifying probiotic strains (e.g., *Lactobacillus spp.*) from Indonesian fruit, improving microbial safety profiles by 30% through targeted culturing techniques.
- Optimized fermentation processes for bio-preservation and flavor enhancement, experimenting with variables like pH, temperature, and substrates to boost lactic acid bacteria efficiency by 25% in lab-scale trials.
- Analyzed microbial fermentation data using GC-MS, RSM, and sensory evaluation methods, generating reports on spoilage prevention that informed scalable food production protocols at BRIN.
- Collaborated with food science teams to develop starter cultures for fermented dairy and fruit products, contributing to prototypes that extended shelf life while maintaining organoleptic quality.

Diponegoro University Integrated Laboratory

Molecular and Applied Microbiology Research Intern (2023)

- Executed 16S rRNA gene sequencing on microbial communities from textile wastewater samples, processing 75+ isolates to identify 28 dominant genera (e.g., *Bacillus*, *Pseudomonas*) via NCBI BLAST.
- Generated phylogenetic trees from 16S rRNA alignments using MEGA software for 25 key isolates derived from industrial waste.
- Cultivated, maintained, and preserved 100+ microbial samples under strict sterile conditions, ensuring optimal growth and precise documentation of culture parameters.
- Enforced strict GLP and successfully maintained a zero-contamination record across all experimental workflows.

Work Experiences (Creative Event & Project Management)

Dikara Creative

Marketing and Advertising Staff (2024 - 2025)

- Drove social media campaigns for 15+ music concerts and gigs, growing Instagram reach by 45% (from 10K to 14.5K impressions per event) through targeted Reels and Stories featuring artist teasers and behind-the-scenes content.
- Secured over 15 strategic partnerships with brands and venues for creative events, boosting ticket sales by 35% (avg. 250-500 tickets/event) via co-branded activations and cross-promotions on TikTok, and Instagram.
- Coordinated end-to-end marketing for 20+ gigs and music festivals, increasing attendance by 40% (from 300 to 420 avg. per show).
- Successfully achieved over 100 client collaborations, resulting in an accumulation of more than 15,000 followers and 941,000 impressions on Instagram within two years.

Antara Suara

Hindia Album Concert Tour: "Lagipula Hidup Akan Berakhir" (LHAB) Liaison Officer (2023)

- Facilitated cross-functional communication between internal production teams, external vendors, and talent management, ensuring seamless information flow and 100% timely dissemination of critical operational updates.
- Directed stakeholder relations across Hindia's management, corporate sponsors, and 15+ venue partners, successfully resolving 95% of operational issues within 24 hours to guarantee zero cancellations and a 98% show completion rate.
- Optimized on-ground event execution for high-energy, large-scale performances by coordinating complex tech riders and stage setups for 50+ crew members per show, contributing to a 92% audience satisfaction score in post-event surveys.

Organization Experiences

Diponegoro University Student Executive Board (BEM UNDIP)

Head of Academia Relations Division, External Partnership Department (KESTRA) (2023)

- Coordinated 10 large-scale academic events (seminars, career fairs), driving 85% attendance rates (2,100+ participants) and 35% increase in internship placements via targeted university-industry matchmaking.
- Managed stakeholder relations portfolio with 95% satisfaction scores from 50+ partners, streamlining communication channels that reduced response times by 60% and elevated BEM UNDIP's institutional reputation.
- Led academia relations initiatives across 13 faculties, facilitating 15 MoUs and joint workshops that engaged 3,500+ students, resulting in 28% higher participation in cross-campus academic events.
- Forged 25+ strategic partnerships with external academic institutions and industry leaders, boosting BEM UNDIP's collaboration network by 40%.

Faculty of Science and Mathematics Student Executive Board (BEM-FSM) Diponegoro University

Member of the Organization Quality Assurance Team (PMO) (2022)

- Audited 50+ BEM-FSM programs using standardized quality frameworks, identifying 45 process improvements that boosted operational efficiency by 32% and reduced event delays from 25% to 3%.
- Developed performance dashboards tracking KPIs across 11 departments (membership: 100+ students), achieving 92% compliance with organizational standards and elevating internal satisfaction scores by 28%.
- Led quality assurance training for 20+ executive members, implementing ISO-inspired checklists that cut documentation errors by 40% and ensured 100% readiness for faculty audits.

Committee Experiences

Diponegoro Fair (DipoFair)

Steering Committee (2023)

- Led strategic planning for DipoFair's festival attracting 15,000+ attendees, coordinating 13 subcommittees to deliver 95% on-schedule execution across music stages, art exhibitions, and vendor markets.
- Secured 10 corporate sponsorships worth IDR 350M+, boosting budget by 42% through targeted pitches to F&B brands and telcos, funding D'FEST headline acts drawing 5,000+ ticketed guests.
- Oversaw operational excellence for 5 performances including national artists, achieving 98% vendor satisfaction and zero safety incidents across 30 stalls serving 15K+ visitors.
- Drove digital engagement campaigns generating 250K+ social impressions (45% engagement rate) via Instagram Reels and TikTok challenges, increasing pre-event registrations by 38%.

Diponegoro Lawyers Club (DLC)

Steering Committee (2023)

- Directed the strategic planning and execution of a high-profile national political discussion forum anticipating the 2024 elections, coordinating with top-tier speakers including prominent political observers, legal experts, and university department heads.
- Secured IDR 50M+ in event funding by successfully pitching and negotiating with 20+ corporate sponsors, ensuring robust financial backing for the large-scale symposium in Semarang.
- Amplified event visibility and public reach by establishing strategic collaborations with 50+ regional media partners, positioning the forum as one of the most phenomenal intellectual events in the region.
- Orchestrated end-to-end stakeholder management for high-level national figures and academic experts, ensuring seamless protocol execution and maintaining a highly engaging intellectual discourse throughout the 1-day event.

Diponegoro Social (DipSoc)

Steering Committee (2023)

- Directed a large-scale environmental sustainability initiative, providing strategic oversight to 100+ committee members by delegating operational directives through the core executive leadership team.
- Orchestrated a 2-month campus-wide waste management campaign, driving the systematic collection, sorting, and commercialization of recyclable materials across Diponegoro University.
- Established and funded the "Green Dips Scholarship" by successfully converting recycled waste revenue into educational grants, awarding financial assistance to eligible students by year-end.

Olimpiade Diponegoro (OlimDipo)

External Affairs Staff (2022)

- Secured 20+ strategic sponsorships to fund a university-wide sports olympiad, providing vital financial support that facilitated the advancement of top-tier athletes to regional-level tournaments.
- Forged promotional partnerships with 50+ regional media partners across Semarang, significantly amplifying event visibility and driving high public engagement.
- Directed on-ground stakeholder relations to execute all MoU deliverables, ensuring 100% fulfillment of branding, promotional, and logistical agreements for all external partners throughout the event.

Achievements

- **Scientific IP Copyright Holder** | *Ministry of Law Republic of Indonesia* – Secured a 50-year national copyright alongside an academic supervisor for an innovative scientific poster, "Minuman Fermentasi Berbasis Buah Salak Pondoh Sebagai Minuman Ramah Intoleransi Laktosa", highlighting advancements in dairy-free fermentation. (2025).
- **Intellectual Property (IP) Copyright Holder** | *Ministry of Law and Human Rights Republic of Indonesia* – Secured a 50-year national copyright for an original biological-themed batik art creation, "Keindahan Motif Batik Keong Trisipan (*Cerithidea cingulata*)", alongside a collaborative team. (2024).
- **Eco-Product Innovator (Biopesticide)** | *UNDIP Community Empowerment Program (KKN), Pemalang* – Formulated an eco-friendly biopesticide utilizing local betel leaves, opening new micro-business opportunities and driving rural entrepreneurship in Karangasem Village. (2024).
- **Sustainability Pioneer (Waste Upcycling)** | *UNDIP Community Empowerment Program (KKN), Pemalang* – Engineered marketable coffee-scented aromatherapy candles from waste cooking oil to mitigate soil and water pollution; innovation officially published on the Karangasem village portal. (2024).

- **Official Master of Ceremony** | *Student Managerial Training (LKMM-D), Faculty of Psychology UNDIP* – Hosted a 10-day leadership summit for 100+ participants, maintaining a 92% audience engagement score across 15 intensive sessions. (2023).
- **Official Moderator** | *Leadership Training, Faculty of Science and Mathematics, Diponegoro University* – Facilitated an interactive leadership summit for 150+ participants. (2023).
- **Master of Ceremony** | *“Harmony” Event, Faculty of Science and Mathematics, Diponegoro University* – Directed the event flow for a large-scale gathering of 1,000+ attendees. (2022).
- **Lead Master of Ceremony** | *National Marketing Plan Competition, Indonesia Marketing Association (IMA) UNDIP* – Steered a 8-hour national-level competition for 150+ delegates from 15 universities, achieving a 94% audience retention rate. (2022).
- **Outstanding Delegate of Lebanon** | *Global Connective Multilateral Model United Nations (GCM-MUN) 2.0* (Apr 2021).
- **Honorable Mention (Delegate of Kyrgyzstan for UNICEF)** | *Asia World Model United Nations (AW-MUN) Virtual Conference* (Mar 2021).

Skills and Competencies

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- **Quality & Clinical Compliance:** ISO 9001:2015, ISO 22000:2018, FSSC 22000 v6.0, HACCP, GMP, GLP, GCP, GCLP, R&D.
 - **Laboratory & Research Methods:** Applied Microbiology, Molecular Biology, 16S rRNA Gene PCR, GC-MS Analysis, RSM, Fermentation Optimization, Enzyme Activity Assay, Microbial Viability, pH Level Analysis, Antioxidant Activity Test, Organoleptic & Sensory Evaluation.
 - **Data Analysis & Software:** IBM SPSS Statistics, JASP Statistical Software, MEGA Software, Microsoft Office Suite, Google Ads, Meta Ads Manager.
 - **Business & Operational Skills:** B2B Partnership, Stakeholder Management, Event Operations, Public Relations.
 - **Language** : Indonesia (Native), Sundanese (Native), English (Fluent), and Korean (Basic).