



SUSTAINABLE  
DEVELOPMENT  
GOALS



# SUSTAINABLE DEVELOPMENT GOALS (SDGS) EXPERTS BOOK



UNIVERSITAS NEGERI JAKARTA



# RECTOR OPENING REMARK



**Prof. Dr. Komarudin, M.Si.**

Puji syukur ke hadirat Tuhan Yang Maha Esa, atas rahmat dan karunia-Nya, Experts Book SDGs Center Universitas Negeri Jakarta ini dapat disusun dan diterbitkan sebagai wujud komitmen UNJ dalam mendukung pencapaian Sustainable Development Goals (SDGs) melalui pelaksanaan tridarma perguruan tinggi yang berorientasi pada dampak.

Sebagai Perguruan Tinggi Negeri Berbadan Hukum (PTNBH), UNJ memiliki tanggung jawab strategis untuk mengelola otonomi akademik dan non-akademik secara akuntabel, inovatif, dan berkelanjutan. Status PTNBH menuntut UNJ untuk tidak hanya unggul dalam pencapaian akademik, tetapi juga mampu menunjukkan kontribusi nyata bagi masyarakat, pembangunan nasional, dan agenda global. Dalam konteks tersebut, SDGs menjadi kerangka rujukan penting dalam memastikan bahwa kebijakan, riset, dan pengabdian UNJ selaras dengan prinsip keberlanjutan, keadilan sosial, dan tanggung jawab antargenerasi.

Experts Book SDGs Center UNJ merepresentasikan kekuatan intelektual UNJ yang bertumpu pada kepakaran multidisipliner para guru besar dan dosen. Ragam bidang keilmuan yang terdokumentasi dalam buku ini, mulai dari pendidikan, sains dan teknologi, lingkungan, kesehatan, ekonomi, hingga sosial-humaniora, menunjukkan kapasitas UNJ sebagai Kampus Berdampak, yaitu universitas yang tidak hanya menghasilkan pengetahuan, tetapi juga menghadirkan solusi atas persoalan nyata masyarakat. Sebagai Kampus Berdampak, UNJ menempatkan penelitian dan pengabdian kepada masyarakat sebagai instrumen strategis untuk menciptakan nilai sosial, ekonomi, dan lingkungan yang terukur. Melalui SDGs Center UNJ, integrasi antara riset, inovasi, kebijakan publik, dan pemberdayaan masyarakat terus diperkuat agar luaran akademik UNJ dapat memberikan manfaat langsung bagi masyarakat, pemerintah, dunia usaha, dan komunitas global.

Buku ini sekaligus mencerminkan kesiapan sumber daya manusia UNJ dalam mengelola mandat PTNBH secara bertanggung jawab. Produktivitas riset, jejaring nasional dan internasional, serta orientasi keilmuan yang selaras dengan SDGs merupakan fondasi penting dalam memperkuat reputasi institusi, meningkatkan daya saing global, dan memperluas kolaborasi strategis lintas sektor.

Saya menyampaikan apresiasi dan penghargaan setinggi-tingginya kepada SDGs Center UNJ, tim editor, serta seluruh penulis yang telah berkontribusi dalam penyusunan buku ini. Semoga Experts Book SDGs Center UNJ tidak hanya menjadi referensi akademik, tetapi juga menjadi dokumen strategis yang menegaskan peran UNJ sebagai PTNBH yang berdampak, inklusif, dan berkelanjutan.

Akhir kata, saya berharap buku ini dapat memberikan manfaat yang luas serta menjadi inspirasi bagi seluruh pemangku kepentingan dalam memperkuat kontribusi pendidikan tinggi terhadap pencapaian SDGs dan visi Indonesia berkelanjutan.



# Tim Pengelola Sustainable Development Goals (SDGs Center)

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: Retno Dwi Lestari, S.Sy., M.Pd

Putri Marsha Sabrina, S.Pd.

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EGERI JAKARTA



# Prof. Dr. Agung Purwanto, M.Si.

## Postgraduate School



### Expertise

Chemistry, Chemistry Education,  
Population and Environmental Education

Dr. Agung Purwanto is an educational researcher and a leading expert in Chemistry, Chemistry Education, and Population and Environmental Education. He possesses strong expertise in STEM pedagogy and technology-enhanced learning. Dr. Purwanto is deeply committed to developing innovative learning models to promote environmental literacy and community empowerment through ecopedagogy and project-based learning. His significant administrative roles include serving as the Coordinator of the Doctoral Study Program in Population and Environmental Education at UNJ's Postgraduate School (2020–2024). He has also contributed nationally as an Expert Staff for the Higher Education National Accreditation Board (BAN-PT) (2015–2017). Additionally, he is skilled in strategic academic program differentiation and the design of modular, reflective curricula.

Date of Birth : Semarang, Februari 1964  
Email Adress : agungpurwanto@unj.ac.id

### Education

- Doctor (Dr.) in Population and Environmental Education, Jakarta State University (2012)
- Master of Science (M.Sc.) in Environmental Science, Gadjah Mada University (1998)
- Doctorandus (Drs.) in Chemistry, Gadjah Mada University (1989)
- Bachelor of Science (B.Sc.) in Physics Education, Gadjah Mada University (1986)

### Career Experience

- Coordinator of Doctoral Study Program in Population and Environmental Education, Postgraduate School, Universitas Negeri Jakarta (2020–2024)
- Expert Staff, Higher Education National Accreditation Board (BAN-PT) (2015–2017)
- Head of Chemistry Department, Faculty of Mathematics and Natural Sciences (FMIPA), Universitas Negeri Jakarta (2007–2011)

### SDGs Expertise



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## Research

- 2025 - Environmental Knowledge Influences Pro-Environmental Behavior to Mitigating Air Pollution Toward Sustainable Development in Indonesia: A Logistic Multilevel Analysis (SDGs 4, 11)
- 2025 - The Role of Professional Leadership and Learning Motivation in Shaping Citizenship Behavior (SDGs 4)
- 2025 - FROM RECOGNITION TO ACTION: Modeling Urban Housewives' Engagement in Household Waste Reduction Using the Situational Theory of Problem Solving (SDGs 11)
- 2025 - Examining the Influence of Congestion, Industry, and Green Open Space on Air Quality Vulnerability in Towards Green Development in Jakarta (SDGs 12)
- 2020 - ESBOR DURING COVID-19: Analysis Students Attitude for Develop 21st Century Environmental Learning (SDGs 17)

## Community Service

- 2024 - Empowering Teacher Capabilities in Differentiated Learning on Environmental Topics at Al-Ashriyyah Nurul Iman Islamic Boarding School Foundation, Bogor.
- 2022 - Empowering Teacher Capabilities in Developing HOTS Questions on Environmental Topics in Mande District, Cianjur.
- 2021 - Empowering Community HOTS Skills to Solve Environmental Problems through Project-Based Learning Outreach Activities.
- 2020 - Empowering Community Higher-Order Thinking Skills in Environmental Problem Solving through Environmental Seminar Activities.
- 2019 - Strengthening Teachers' Professional Capabilities through Classroom Action Research in Gunung Sari District, Serang, Banten.



**Prof. Dr. Ir. Arita Marini, M.E.**

## Faculty of Education



### Expertise

Education, Educational Management

Prof. Dr. Ir. Arita Marini, M.E. is an Educational researcher with primary research focus in technology-enhanced learning and school management. Having worked on development of digital learning resources for boosting student motivation and learning outcomes. Having learning interest in fostering social skills and critical thinking for elementary school students. Passionate about developing innovative learning models to improve learning quality. Experienced in research exploring eco-innovation, green entrepreneurship environmental awareness, and sustainable education.

Date of Birth : Jakarta, Februari 1968  
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### Education

- Doctor of Philosophy (Dr.) in Educational Management, Universitas Negeri Jakarta (2010)
- Master of Science (M.Sc.) in Management Science, Universitas Indonesia (1997)
- Bachelor of Science (B.Sc.) in Agricultural Social Economics, Institut Pertanian Bogor (1991)

### Career Experience

- Vice Director of Academic and Student Affair, Alumni, Research and Innovation, Graduate School, Universitas Negeri Jakarta (2024–Present)
- Coordinator of Collaboration and Development Centre, Graduate School, Universitas Negeri Jakarta (2021–2024)
- Vice Director of Student Affair and Alumni, Graduate School, Universitas Negeri Jakarta (2019–2021)
- Study Program Coordinator of Teacher Profession Education, Universitas Negeri Jakarta (2017–2019)
- Coordinator of Prior Learning Recognition, Universitas Negeri Jakarta (2016–2017)
- Head of Internal Audit Unit, Universitas Negeri Jakarta (2013–2016)

### SDGs Expertise



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## Research

- 2025 – Developing a website integrated with project-based learning: Evidence of stimulating creativity among elementary school students in Indonesia – (SDGs 4)
- 2025 – Transforming environmental education with augmented reality: A model for learning outcome – (SDGs 12)
- 2024 – Entrepreneurship Education Model for Higher Education Students – (SDGs 4)
- 2022 – Mobile Augmented Reality Learning Media with Metaverse to Improve Student Learning Outcomes in Science Class – (SDGs 4)
- 2019 – Model of character building for elementary school students – (SDGs 16)

## Community Service

- 2025 – How to Empower Teachers to Enhance Teaching Skills in Upgrading Elementary School Student Sustainability-Oriented Entrepreneurial Intentions?
- 2025 – Empowerment of Elementary School Teachers Related to Teaching Skills to Upgrade Student Entrepreneurial Creativity.
- 2022 – Socializing Innovative Teaching to Support Primary School Digitalization for Primary School Teachers in Jakarta Province, Indonesia.
- 2021 – Socialization of Educational Entrepreneurship for Elementary School Teachers in the Province of Jakarta, Indonesia.
- 2020 – Community Service for Elementary School Teacher Groups Based on Character Education Using Stop Motion Animation.



# Prof. Dr. Ir. Bagus Sumargo, M.Si

## Faculty of Mathematics and Natural Sciences



### Expertise

Environmental Statistics, Poverty,  
System Dynamic Modeling

Prof. Dr. Ir. Bagus Sumargo, M.Si. is a distinguished Professor at Universitas Negeri Jakarta with extensive expertise in Environmental Statistics, Poverty Analysis, and System Dynamics Modeling. He holds a Doctorate in Population and Environment Education and advanced degrees in Statistics from IPB University. His work is characterized by the integration of advanced statistical methods and machine learning to solve complex social and environmental issues, such as predicting poverty scenarios and enhancing air pollution awareness through digital platforms. Beyond his academic leadership as a University Senate member, Prof. Sumargo is highly active in community empowerment, specifically in improving the professional capacity of teachers in data management and research methodology. His professional background with BPS Statistics Indonesia further strengthens his ability to provide data-driven insights for national and regional policy development.

Date of Birth : Cimahi, September 1963  
Email Adress : bagussumargo@unj.ac.id

### Education

- Doctor of Philosophy (Dr.) in Education of Population and Environments from Universitas Negeri Jakarta (2010)
- Master of Science (M.Sc.) in Statistics from IPB University, Bogor (2002)
- Bachelor of Science (Ir.) in Statistics from IPB University, Bogor (1991)
- Diploma of Science (B.St.) in Statistics from Akademi Ilmu Statistik (1985)

### Career Experience

- Member of the University Academic Senate, Universitas Negeri Jakarta (2025–2029)
- Chairman of Membership and Standardization, Indonesian System Dynamics Expert Association (ASDI Jakarta) (2020–2025)
- Head of Statistics Department, Faculty of Mathematics and Natural Sciences, Universitas Negeri Jakarta (2019–2023)
- Editor in Chief of the Journal of Statistics and Applications, Universitas Negeri Jakarta (2019–Present)
- Chief of Statistical Laboratory, Department of Statistics, Universitas Negeri Jakarta (2018–2019)
- Head of General Affairs, Institute of Statistics (STIS), BPS Statistics Indonesia (2012–2016)
- Head of Academic and Student Affairs, Institute of Statistics (STIS), BPS Statistics Indonesia (2009–2012)

### SDGs Expertise



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## Research

- 2024 – Poverty Macro System Dynamics Modeling Based on Simultaneous Equations Models – (SDGs 1)
- 2024 – Green Infrastructure Vulnerability and Regional Poverty Reduction: New Sustainable Development Recommendations Based on a Spatial Clustering Approach – (SDGs 1, 11)
- 2023 – New Criteria for Green Industry Based on Financial Distress – (SDGs 17)
- 2021 – The Two-Stage Least Squares Simultaneous Equation Model for Panel Data on Human Development, Economics, and Environmental Quality – (SDGs 17)
- 2018 – Comparing Better Environmental Knowledge Based on Education and Income Using the Odds Ratio – (SDGs 8)

## Community Service

- 2025 – Management and Educational Data Processing Training Using MS. Excel for High School Teachers in Sukabumi Regency, West Java.
- 2025 – Training on Developing Questionnaire Instruments to Measure Abstract Variables for High School and Vocational School Teachers in Sukabumi Regency, West Java.
- 2025 – Improving the Quality of Mathematics Teachers Through Training on the Implementation of Case-Based Learning (CBL) in Teaching in Sukabumi Regency.
- 2023 – Increasing the Capacity of High School and Vocational School Teachers in Developing Valid and Reliable Abstract Variable Questionnaires in the Thousand Islands.
- 2020 – Training and Mentoring on the Application of Descriptive Statistics for the Development of a Regional Prototype of "Area in Figures" in Malaka Jaya Village, East Jakarta.



# Prof. Dr. Dalia Sukmawati, M.Si.

## Faculty of Mathematics and Natural Sciences



### Expertise

Probiotic, Mycology, Microbial Ecology, Metabolomic fungi, and Food Security

Prof. Dr. Dalia Sukmawati, M.Si. is a Professor of Biology who currently serves as the Vice Dean for Research, Innovation, Information Systems, and Collaboration at Universitas Negeri Jakarta. With a Doctoral degree from Universitas Indonesia, she is an expert in applied microbiology, particularly in the exploration and utilization of indigenous Indonesian yeast.

Her innovative research combines omics technology with sustainable food security solutions. Beyond high-level laboratory research, Prof. Dalia is deeply committed to social impact, leading various community empowerment programs ranging from implementing Smart Anthropometry for toddler health to international creative economy training based on waste management.

Date of Birth : Tasikmalaya, September 1973  
Email Adress : sukawatidalia@gmail.com

### Education

- Doctoral Degree (S-3) in Biology from Universitas Indonesia (2014)
- Master Degree (S-2) in Biology from Universitas Indonesia (2002)
- Bachelor Degree (S-1) in Biology Education from IKIP Jakarta (1994)

### Career Experience

- Professor in Biology, Universitas Negeri Jakarta (2025–Present)
- Vice Dean for Research, Innovation, Information Systems, and Collaboration (2024–Present)
- Biology Undergraduate Program Coordinator (2024)
- Associate Professor (2022)
- Head of Data Division at UPT.TIK (2021)
- Head of SPJM Division (2020)

### SDGs Expertise



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## Research

- 2025 – Biocontrol Potential and Mechanisms of Cocoa-Fermentation Yeasts Against Fungal Pathogens of Cocoa Pods – (SDGs 2)
- 2025 – Microbial Bioproducts: Current Advances, Industrial Applications, and Future Perspectives – (SDGs 7)
- 2024 – Molecular Identification and Antifungal Activity of *Candida Chrysomelidarum* and *Rhodotorula Toruloides* Isolated from Indonesian Indigenous Fruit *Flacourtia Inermis* Roxb. (Lobi-Lobi) Against Pathogenic Mold *Aspergillus Flavus* – (SDGs 2)
- 2022 – Production of Amylase by *Aspergillus Subflavus* and *Aspergillus Fumigatus* from Flamevine Flower (*Pyrostegia Venusta* (Ker-Gawl.) Miers): A Tropical Plant in Bedugul Botanical Garden, Bali, Indonesia – (SDGs 3)
- 2020 – Antifungal Mechanism of *Rhodotorula Mucilaginosa* and *Aureobasidium* Sp. Nov. Isolated from *Cerbera Manghas* L. Against the Growth of Destructive Molds in Post Harvested Apples – (SDGs 3)

## Innovation

- MYCO Yoghurt (Find out more: [click here](#))
- Cookies La (Find out more: [click here](#))

## Community Service

- 2024 – Empowerment of "Penting" Cadres (Stunting Care) Through the Application of Smart Anthropometry to Realize Healthy Toddlers at Nusa Indah IX Posyandu, Majalaya Village, Cikalongkulon District, Cianjur Regency, West Java.
- 2024 – Production of Used Cooking Oil-Based Crayon as an Effort for Sustainable Community of Desa Melayu Raya, Malaysia.
- 2024 – Training on the Use of Seed Waste from Cocoa (*Theobroma Cacao* L.) Fermentation as an Alternative for Increasing Community's Income and Nutrition Second Year.
- 2021 – Production of Topical Medicine Preparations Based on Aloe Vera Herbs and VCO at IT Ruhamah Junior and Senior High School, Tapos Depok.
- 2020 – Application of Probiotic Yeast and Cellulase Enzyme-Producing Yeast to Increase the Efficiency of Chicken Feed Use for Chicken Farming Communities.



# Prof. Dr. Desy Safitri, M.Si.

## Faculty of Social Sciences and Law



### Expertise

Education, Environmental Education

An educational researcher specializing in environmental education and the development of technology-based learning media. Demonstrates a strong interest in designing innovative learning models that not only enhance academic competence but also foster students' awareness of environmental sustainability. Possesses extensive experience in creating and implementing interactive digital learning programs and tools that are both user-friendly for teachers and engaging for students. Committed to advancing educational transformation toward a more modern, creative, and ecologically conscious direction through needs-based research. Has actively participated in various IT-integrated learning initiatives, including the utilization of digital media and technological platforms to improve classroom learning quality. Highly motivated to continue developing learning solutions that align with emerging technological advancements and current educational challenges. Enthusiastic about conducting impactful research that contributes to enhancing teacher competencies and overall education quality, while remaining open to adopting new technologies to support more effective and adaptive learning practices.

Date of Birth : Jakarta, Desember 1969  
Email Adress : desysafitri@unj.ac.id

### Education

- Doctor of Philosophy (Dr.) in Environmental Science, University Indonesia (2007)
- Master of Science (M.Sc.) in Environmental Science, University Indonesia (2000)
- Bachelor of Science (B.Sc.) in Biology Education, IKIP Jakarta (1994)

### Career Experience

- Coordinator of the Undergraduate Program in Social Studies Education, Faculty of Social Sciences and Law, Universitas Negeri Jakarta (2018 - 2022)
- Coordinator of the Undergraduate Program in Social Studies Education, Faculty of Social Sciences and Law, Universitas Negeri Jakarta (2022 - 2024)
- Assessors, Independent Accreditation Institute (LAMDIK) (2022 - Present)
- LPDP Scholarship Academic Interviewer, Education Fund Management Institution (LPDP) (2022 - Present)
- Coordinator of the Undergraduate Program in Social Studies Education, Faculty of Social Sciences and Law, Universitas Negeri Jakarta (2025 - Present)

### SDGs Expertise



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## Research

- 2025 – Transforming environmental education with augmented reality: A model for learning outcome – (SDGs 4, 12)
- 2023 – Development of Augmented Reality-based Interactive Learning Media to Increase Interest in Environmental Education – (SDGs 4, 12)
- 2023 – Model of Virtual Reality in Social Studies to Improve Student Learning Outcomes – (SDGs 4)
- 2023 – The role of environmental degradation and green investment on the renewable energy production in ASEAN countries: evidence using novel MMQR technique – (SDGs 8)
- 2022 – The role of energy consumption and economic growth on the ecological environment in ASEAN countries – (SDGs 8)
- 2022 – The Effect of Eco-label and Renewable Energy Projects Knowledge on Environmental Awareness for Elementary School Students – (SDGs 12)

## Community Service

- 2024 – Empowering Teacher Groups in Creating Differentiated Learning Instruments.
- 2024 – Empowering Groups of Elementary School Teachers for Improving Teaching Skills Regarding Environmental Conservation Through Local Wisdom.
- 2023 – Naturalist Intelligence Education Through Ecolabelling for Elementary School Teachers.
- 2022 – Socializing Game-Based Learning for Teachers at Elementary Schools in Jakarta Province, Indonesia.
- 2021 – Community Service for Teacher Groups in Creating Animated Video Learning Media.



# Prof. Dr. Diana Vivanti Sigit, M.Si.

## Faculty of Mathematics and Natural Sciences



### Expertise

Environmental Education, Ecology,  
Biodiversity

Prof. Dr. Diana Vivanti Sigit, M.Si. is a prominent educational researcher and Professor at Universitas Negeri Jakarta. She possesses extensive expertise in environmental education, ecology, and bioconservation. With a Doctorate in Environmental Education and a Master's in Ecology from Universitas Gadjah Mada, her work bridges the gap between biological science and pedagogical innovation.

Prof. Diana is deeply committed to empowering communities and students through the development of learning models that foster ecological literacy and pro-environmental behavior. Her leadership experience as Vice Dean and Head of the Biology Education Program reflects her dedication to academic excellence and student development. She is an active scholar whose work focuses on advancing the Sustainable Development Goals (SDGs) through integrated STEM education and environmental awareness.

Date of Birth : Jakarta, Januari 1967  
Email Adress : dianav@unj.ac.id

### Education

- Doctor of Education (Dr.) in Environmental Education from Universitas Negeri Jakarta (2013)
- Master of Science (M.Si.) in Ecology from Universitas Gadjah Mada (1994)
- Bachelor of Science (Dra.) in Biology Education from IKIP Jakarta (1989)

### Career Experience

- Vice Dean of Student Affairs and Alumni, Faculty of Mathematics and Natural Science, Universitas Negeri Jakarta (2021–2024)
- Head of Biology Education Study Program, Faculty of Mathematics and Natural Science, Universitas Negeri Jakarta (2012–2019)
- Research Officer on Engineering Education Development Program, ADB-DIKTI (1998–2001)

### SDGs Expertise



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## Research

- 2024 – Analysis of Ecological Literacy Level and Creative Thinking Skills of College Students – (SDGs 4, 12)
- 2023 – Ecoliteracy’s Contribution to Creative Thinking: A Study of Senior High School Students – (SDGs 4, 12)
- 2022 – Needs Analysis of Students’ Pro-Environmental Behavior for Climate Change Books – (SDGs 4, 13)
- 2021 – Students’ Knowledge, Awareness, and Pro-Environmental Behavior in Urban to Design Climate Change Book Serials – (SDGs 4, 13)
- 2021 – Conservation Behavior of Plant Biodiversity: Supporting Environmental Sustainability – (SDGs 4, 13)

## Community Service

- 2024 – Optimization of Catfish Farming in Buckets (Budikdamber) to Support Food Security for the Community of Cisaat Village, Subang Regency, West Java.
- 2024 – Education on Black Soldier Fly (BSF) Maggot Cultivation as an Organic Waste Degradation and Fish Feed Producer for the Community of Cisaat Village, Subang, West Java.
- 2023 – Utilization of Duren Sawit Edu-Ecofarm for Budikdamber Education for Urban Communities.
- 2022 – Training on Making Compost Fertilizer from Organic Waste to Reduce Environmental Pollution in RW 09 Rawamangun Village, Pulogadung District, East Jakarta.
- 2022 – Education on Waste Sorting and Creating Recycled Products to Foster Entrepreneurial Interest Among Junior High School Students in Bekasi Regency.



# Prof. Dr. Henita Rahmayanti, M.Si.

## Postgraduate School



### Expertise

Building Engineering, Environmental Science, Environmental Science

Prof. Dr. Henita Rahmayanti (born June 1963) is a distinguished Professor of Environmental Science at Universitas Negeri Jakarta (UNJ). With a strong academic background, including a Doctoral Degree in Environmental Science from Universitas Indonesia (2013), her expertise spans environmental science, environmental education, and disaster mitigation. Since 2019, she has served in a key leadership position as the Head of the Master Program in Environmental Education at UNJ. Prof. Rahmayanti is a prolific researcher, focusing on the development of innovative models to integrate High-Order Thinking Skills (HOTS) into environmental learning, such as the HOTSEP and ILMIZI models, often addressing contemporary issues like the COVID-19 pandemic. She has consistently secured research grants, including University Research Grants from UNJ.

Date of Birth : Jakarta, Juni 1963

Email Address : henita.rahmayanti@unj.ac.id

### Education

- Doctoral Degree (S-3) in Environmental Science from Universitas Indonesia (2013)
- Master Degree (S-2) in Environmental Science from Universitas Indonesia (1996)
- Bachelor Degree of Engineering in Building Engineering from Institut Keguruan dan Ilmu Pendidikan (IKIP) Jakarta, Indonesia (1987)

### Career Experience

- Professor in Environmental Science (2017–Ongoing)
- Head of Master Program (Environmental Education), Universitas Negeri Jakarta (2019–Ongoing)
- Lecturer on Faculty of Engineering, IKIP Jakarta/UNJ (1988–Ongoing)

### SDGs Expertise



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## Research

- 2025 – Indigenous Knowledge and Sustainable Resource Management: A Bibliometric Review – (SDGs 12)
- 2023 – Environmental supplement book of flood disaster for university students – (SDGs 4, 12)
- 2022 – Analysis of environmental infrastructure sustainability of low cost apartment: Rusunawa in Jakarta – (SDGs 11)
- 2021 – Marine environmental education learning system recommendation model based on student needs analysis in Indonesian coastal areas – (SDGs 4)
- 2021 – E-learning in new normal covid-19 era: Measure hotspots and pro-environmental behavior about environmental pollution – (SDGs 4, 12)

## Community Service

- 2024 – Improving Digital Literacy for Junior High School Students Regarding Waste Management.
- 2024 – Socialization of Blindspot Knowledge Through VR Learning for Students and Teachers.
- 2023 – Strengthening Climate Change Adaptation Actions at the Village Level Through Proklim in Mande District, Cianjur
- 2022 – Empowering Community Knowledge on Climate Change Issues Through Counseling Activities in Mande District, Cianjur.
- 2021 – Empowering Flood Disaster Mitigation Skills in the Community Through Project-Based Learning Seminar Activities.



**Prof. Dr. Mohamad Syarif Sumantri, M.Pd.**

## Faculty of Education



### Expertise

Curriculum and Learning Models,  
Pedagogical Innovation, Special Needs  
Education

Prof. Dr. Mohamad Syarif Sumantri, M.Pd., is a Head Lecturer and the current Vice Director III of the Postgraduate Program at Universitas Negeri Jakarta (UNJ). He is a respected figure in Educational Technology for Primary School. With degrees in Physical Education, Early Grade Primary School Education, English Literature, Learning Technology, and a Doctoral Degree in Educational Technology, his extensive background supports his diverse research, which includes developing creativity models in physical education, addressing high-order thinking skills, and integrating innovative methods like Maker-Centered Project-Based Learning. Prof. Sumantri is highly active in professional associations, notably serving as the Chair II of the Association of Primary School Teacher Education Lecturers across Indonesia. He is also a productive author, having published several books on learning strategies and educational research methods.

Date of Birth : Bandung, Juni 1961  
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### Education

- Master Degree (S-2) in Learning Technology from Universitas Negeri Sultan Ageng Tirtayasa (2013)
- Bachelor Degree (S-1) in English Literature with a concentration in Language Education from STBA Nusa Mandiri (2010)
- Doctoral Degree (S-3) in Educational Technology from Universitas Negeri Jakarta (UNJ) (2006)
- Master Degree (S-2) in Early Grade Primary School Education from IKIP Jakarta (1995)
- Bachelor Degree (S-1) in Physical Education and Health from IKIP Jakarta (1986)

### Career Experience

- Vice Director III, Postgraduate Program (PPs), Universitas Negeri Jakarta (UNJ)
- Lektor Kepala/IVd (Head Lecturer / Rank IVd)
- Member of the International Educational Technology Profession
- Chair II of the Association of Primary School Teacher Education Lecturers throughout Indonesia (Asosiasi Dosen Pendidikan Guru Sekolah Dasar se Indonesia)
- Member of the Indonesian Educational Technology Profession Association (Ikatan Profesi Teknologi Pendidikan Indonesia - IPTPI)

### SDGs Expertise



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## Research

- 2023 – Exploring the Need for Using Science Learning Multimedia to Improve Critical Thinking Elementary School Students: Teacher Perception – (SDGs 4)
- 2022 – Implementation of Merdeka Belajar (Independent Learning) Through Differentiated Learning Strategies in Elementary Schools, Jurnal Ilmiah PGSD STKIP Subang 8 – (SDGs 4)
- 2021 – Maker-Centered Project-Based Learning and Flipped Classroom Models in Developing Productive Creativity in High-Grade Elementary School Students on the Topic of Environmental Health – (SDGs 3, 4)
- 2020 – Development of Ethnopedagogy in Primary School-Aged Children – (SDGs 4)
- 2019 – Increasing Learning Activeness and Camtasia Media Development Skills for Primary School Teacher Education Students at FIP UNJ Through a Reciprocal Learning Strategy – (SDGs 4)
- 2018 – Student Concern for Society and the Internalization of Academic Ethics in Primary Education Students From the Perspective of the Lecturer's Role – (SDGs 4)



# Prof. Dr. Muktiningsih, M.Si.

## Faculty of Mathematics and Natural Sciences



### Expertise

Infectious Disease Detection,  
Molecular Diagnostics, Proteomics &  
Genomics, Food Safety

Prof. Dr. Muktiningsih Nurjayadi, M.Si. is a distinguished Professor of Biochemistry and Biotechnology at Universitas Negeri Jakarta (UNJ). She currently serves as the Vice Director of Academic and Student Affairs at the Graduate School. With a PhD from IPB and a Master's from ITB, she is a leading expert in molecular diagnostics, specifically in the development of detection kits for foodborne pathogens. As the leader of the Salmonella UNJ research team, her work is pivotal in developing genomic and proteomic-based tools for detecting typhoid fever and bacterial food poisoning. Her research excellence is reflected in numerous awards, including Best Lecturer in Intellectual Property Rights (2019, 2023, 2024). She is highly active in international collaborations and has successfully bridged the gap between academic research and industrial application through partnerships with organizations like PT Kimia Farma and the National Police Forensic Laboratory.

Date of Birth : Jakarta, Mei 1964  
Email Adress : muktiningsih@unj.ac.id

### Education

- Doctoral Degree (S-3) in Biochemistry/Molecular Biology from Institut Pertanian Bogor (IPB) (2005)
- Master Degree (S-2) in Biochemistry from Institut Teknologi Bandung (ITB) (1993)
- Bachelor Degree (S-1) in Chemistry from Universitas Negeri Jakarta (IKIP Jakarta) (1987)

### Career Experience

- Vice Director of Academic and Student Affair, Alumni, Research and Innovation, Graduate School, Universitas Negeri Jakarta (2024–Present)
- Coordinator of Collaboration and Development Centre, Graduate School, Universitas Negeri Jakarta (2021–2024)
- Vice Director of Student Affair and Alumni, Graduate School, Universitas Negeri Jakarta (2019–2021)
- Study Program Coordinator of Teacher Profession Education, Universitas Negeri Jakarta (2017–2019)
- Coordinator of Prior Learning Recognition, Universitas Negeri Jakarta (2016–2017)
- Head of Internal Audit Unit, Universitas Negeri Jakarta (2013–2016)

### SDGs Expertise



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## Research

- 2025 – Isolation, Characterization, and Evaluation of Xanthone Derivatives from *Garcinia Mangostana* Twigs as Tyrosine Kinase Inhibitors with Potential EGFR Selectivity – (SDGs 3)
- 2021 – Purification of Fim-C-Salmonella typhi recombinant protein with Ni-NTA resin as raw material for typhoid disease detection kit – (SDGs 9)
- 2021 – Development of e-module structure and protein function with flip PDF professional application through online learning – (SDGs 4, 9)
- 2020 – Antifungal mechanism of *rhodotorula mucilaginosa* and *aureobasidium* sp. nov. isolated from *cerbera manghas* l. against the growth of destructive molds in post harvested apples – (SDGs 3)
- 2019 – Antioxidant and cytotoxic  $\alpha$ -pyrones from *Cryptocarya konishii* Hayata – (SDGs 3)

## Innovation

- Master Diagnostic Foodborne Pathogen Disease Detection Kit (Find out more: click [here](#))

## Community Service

- 2024 – Dissemination of 4th Generation Chemistry Electronic Module Learning Media Development for Chemistry Teachers at MGMP South Jakarta 2.
- 2024 – Training and Implementation of Occupational Health and Safety (K3) Programs to Improve Chemistry Laboratory Management and Usage Performance in High Schools within the Jakarta Chemistry MGMP Area (Year 2).
- 2023 – Empowerment and Skill Enhancement for Teachers and School Residents in Yoghurt Making within the East Jakarta 2 MGMP Environment to Support Entrepreneurship Programs.
- 2022 – Training and Implementation of Chemical Substance Management to Improve Chemistry Laboratory Management and Usage Performance in High Schools within the East Jakarta 1 Chemistry MGMP Area.
- 2022 – Development of Biomolecule Protein Structure and Function Learning for Teachers in the East Jakarta MGMP-1 Area.



# Prof. Dr. Ninuk Lustyantie, M.Pd.

## Faculty of Languages and Arts



### Expertise

French Language and Literature,  
Educational Research and Evaluation,  
Language Education

Prof. Dr. Ninuk Lustyantie, M.Pd. is a distinguished Professor at Universitas Negeri Jakarta (UNJ) and a leading expert in Language Education. She holds a Doctoral Degree (S-3) in Language Education from UNJ and completed a doctoral sandwich program at Université Paris 8, France. Prof. Ninuk currently serves in a pivotal leadership position as the Coordinator of the Doctoral Degree of Applied Linguistics Study Program, Postgraduate, UNJ (2020–Present), and has previously held administrative roles such as Vice Dean 2 of the Faculty of Languages and Arts. Her academic and research expertise is centered on innovative language and literature learning, particularly in the context of French language education and curriculum development. For her dedicated service to the nation, she is a recipient of the Satya Lencana award for 10, 20, and 30 years of civil service from the President of the Republic of Indonesia.

Date of Birth : Semarang, Juni 1958  
Email Adress : ninuk.lustyantie@unj.ac.id

### Education

- Sandwich Program/Doctoral Studies in Ecole Doctorale n° 224 Cognition, langage, interaction from Université Paris 8, Paris, France
- Doctoral Degree in Language Education from UNJ (2012)
- Master Degree in Educational Research and Evaluation from UNY (1997)
- Bachelor Degree in French Language and Literature from UNNES

### Career Experience

- Professor (Guru Besar / Pembina Utama Madya/IVd)
- Coordinator of Doctoral Degree of Applied Linguistics Study Program, Postgraduate, Universitas Negeri Jakarta (2020–Present)
- Vice Dean 2 of the Faculty of Languages and Arts, Universitas Negeri Jakarta
- Coordinator of Master of Language Education Study Program, Postgraduate, Universitas Negeri Jakarta
- The Head of Postgraduate Quality Assurance Unit, Postgraduate, Universitas Negeri Jakarta
- Head of the Center for Standard Development of the Quality Assurance Institute, Universitas Negeri Jakarta
- Head of the French Department, Faculty of Languages and Arts, Universitas Negeri Jakarta

### SDGs Expertise



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## Research

- 2025 – Mapping the intersection of e-learning, culture, and tradition: a bibliometric analysis – (SDGs 4)
- 2024 – Flipped classroom with collaborative learning approach in enhancing writing skills of Indonesian university students – (SDGs 4)
- 2021 – Improving reading comprehension in efl situation: A correlation analysis – (SDGs 4)
- 2020 – Reading Interest and Achievement Motivation: A Study in an EFL Context – (SDGs 4)
- 2020 – The effect of reading interest and achievement motivation on students' discourse analysis competence – (SDGs 4)

## Community Service

- 2023 – Competency Enhancement in Aloud Reading for Teachers at SDN Jangari, Bobojong Village, Mande District, Cianjur Regency.
- 2022 – Empowerment of the Three Cultural Pillars (Ngaos, Mamaos, Maenpo) Based on Digital and Cultural Literacy for Students at SMAN I Mande, Bobojong Village, Mande District, Cianjur Regency.
- 2021 – Training on the Application of Project-Based Learning (PBL) in Teaching.
- 2020 – Character Education Literacy-Based Education Through Storytelling for Mothers in Tambora District, West Jakarta.
- 2018 – Culture-Based Language Teaching for Madrasah Teachers in Karawang.



# Prof. Dr. Sri Nuraini, M.Pd.

## Faculty of Sports Science and Health



### Expertise

Curriculum Development, Pedagogy & Teaching Models, Sports Psychology, Fitness & Health

Prof. Dr. Sri Nuraini, M.Pd. is a distinguished Professor of Physical Education at Universitas Negeri Jakarta (UNJ). She currently holds a strategic leadership position as the Vice Director of General Affairs and Finance at the UNJ Graduate School. With a career spanning several decades, she has significantly contributed to the academic administration of sport sciences, previously serving as the Head of both Bachelor's and Master's programs in Physical Education. Prof. Nuraini is a recognized expert in sports pedagogy and curriculum development, holding a Doctorate in Physical Education from UNJ. Her academic work is dedicated to advancing the quality of physical education in Indonesia through research-based teaching models and the promotion of physical literacy. She is actively involved in professional organizations and continues to influence the field through her leadership in higher education.

Date of Birth : Lawang, Juli 1967  
Email Adress : srinuraini@unj.ac.id

### Education

- Doctoral Degree (S-3) in Physical Education from Universitas Negeri Jakarta (2007)
- Master Degree (S-2) in Physical Education from IKIP Jakarta (1993)
- Bachelor Degree (S-1) in Physical Education from IKIP Jakarta (1986)

### Career Experience

- Professor in Physical Education, Universitas Negeri Jakarta
- Vice Director of General Affairs and Finance, Graduate School, Universitas Negeri Jakarta (2024–Present)
- Head of the Master's Program in Physical Education, Graduate School, Universitas Negeri Jakarta (2014–2019)
- Head of the Bachelor's Program in Physical Education, Faculty of Sport Science, Universitas Negeri Jakarta (2009–2013)

### SDGs Expertise



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## Research

- 2025 – Analysis of Physical Education Curriculum Implementation in Elementary Schools – (SDGs 4)
- 2024 – Development of Digital-Based Physical Activity Monitoring for Students – (SDGs 3, 4)
- 2023 – Evaluation of Sports Coaching Programs in Higher Education – (SDGs 4)
- 2021 – Research on the Impact of Physical Activity on Student Mental Health During Remote Learning – (SDGs 3, 4)
- 2020 – Applying Model of Mobile Web Based on Character Building in Teaching Learning Process to Improve Student Character – (SDGs 4)

## Community Service

- 2024 – Socialization of Healthy Lifestyle and Physical Literacy for Teachers in Jakarta.
- 2022 – Training on Innovative Physical Education Teaching Models for Middle School Teachers.



# Prof. Dr. Suherman, M.Si.

## Faculty of Economics and Business



### Expertise

Corporate Governance, Investment & Capital Structure, International Finance, Financial Literacy

Prof. Dr. Suherman, S.E., M.Si. is a distinguished Professor of Finance at the Faculty of Economics, Universitas Negeri Jakarta. He has an extensive academic background, having earned his Doctorate from Padjadjaran University and his Master's from Gadjah Mada University. Throughout his career, he has held several leadership roles, including serving as the Head of the Management Undergraduate Program. Prof. Suherman is a prolific researcher and a respected academic reviewer in the field of finance. His research primarily explores the complexities of corporate governance, board dynamics, and financial decision-making. He has authored several influential textbooks on International Finance and Financial Statement Analysis. His expertise bridges theoretical finance and practical corporate applications, making him a key figure in Indonesia's financial management academic community.

Date of Birth : Jakarta, November 1973  
Email Adress : suherman@feunj.ac.id

### Education

- Doctorate (Dr.) in Finance from Padjadjaran University, Bandung (2009).
- Master of Science (M.Si.) in Finance from Gadjah Mada University, Yogyakarta (2001).
- Bachelor (S.E.) in Marketing from Brawijaya University, Malang (1997).
- Diploma in English Literature from STIBA MALANG (1997).

### Career Experience

- Professor in Finance, Faculty of Economics, Universitas Negeri Jakarta (2022–Present).
- Head of Management Undergraduate Program, Universitas Negeri Jakarta (2019–2023).
- Associate Professor, Universitas Negeri Jakarta (2019–2022).
- Assistant Professor, Universitas Negeri Jakarta (2013–2019).
- Reviewer for Various International and National Journals (including Cogent Economics & Finance and Journal of Management and Business Review).

### SDGs Expertise



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## Research

- 2025 – Is Board Gender Diversity Considered a Signal of IPO Quality? Evidence from Indonesia – (SDGs 5)
- 2024 – The Role of Female Executives in Capital Structure Decisions: Evidence from a Southeast Asian Country – (SDGs 5)
- 2023 – CEO Characteristics and Firm Performance: Evidence from a Southeast Asian Country – (SDGs 5)
- 2021 – The Effect of Gender Diversity and the Business Expertise of Female Directors on Firm Performance: Evidence from the Indonesia Stock Exchange – (SDGs 5)
- 2021 – Do Female Executives and CEO Tenure Matter for Corporate Cash Holdings? Insight from a Southeast Asian Country – (SDGs 5)

## Community Service

- 2024 – Community Understanding of Climate Action.
- 2023 – Training of Article Writing for International Reputable Journal with Faculty of Economics Universitas Negeri Jakarta and Faculty of Business, Economics and Accountancy (FBEA) Universiti Malaysia Sabah.
- 2023 – Optimization of MSME Potential Through Increasing Financial Literacy in Cibitung Tengah Village, Bogor Regency, West Java.
- 2023 – Sharia Financing and the Utilization of TikTok Shop for Micro, Small, and Medium Enterprises (MSMEs) at the East Jakarta Sub-Department.
- 2023 – Training on Literature Review Preparation Techniques Using VOSviewer.



# Prof. Dr. Umi Widyastuti, S.E., M.E

## Faculty of Economics and Business



### Expertise

Financial Literacy & Behavior,  
Entrepreneurship Education, Corporate  
Governance, Risk Management

Prof. Dr. Umi Widyastuti, S.E., M.E. is a distinguished Professor at Universitas Negeri Jakarta. She currently holds a strategic leadership role as the Coordinator of the Doctoral Program in Management Science. With a PhD from Universitas Padjadjaran and a Master's degree from Universitas Indonesia, she possesses extensive expertise in financial management, consumer behavior, and corporate governance. Prof. Widyastuti is actively involved in community empowerment, particularly in enhancing financial literacy and entrepreneurial intentions among students and Islamic boarding school members. Her research contributes significantly to understanding modern financial challenges, such as the impact of e-wallets on consumptive behavior and the integration of sustainability (ESG) in corporate performance. She also plays a vital role in institutional quality assurance and risk management analysis.

Date of Birth : Cilacap, Desember 1976  
Email Adress : umiwidyastuti.feunj@gmail.com

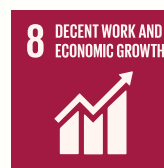
### Education

- Doctoral Degree (Dr.) in Management from Universitas Padjadjaran (2021)
- Master of Science (M.Sc.) from Universitas Indonesia (2002)
- Bachelor of Economics (S-1) from Universitas Sebelas Maret (1998)

### Career Experience

- Coordinator of the Doctoral Program (S-3) in Management Science, Universitas Negeri Jakarta (2025–Present)
- Coordinator of the Master Program (S-2) in Management, Universitas Negeri Jakarta (2023)
- Head of Quality Assurance Cluster (GPJM), Universitas Negeri Jakarta (2023)
- Professor / Associate Professor at Universitas Negeri Jakarta

### SDGs Expertise



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## Research

- 2025 – Risk Analysis of PTNBH Universitas Negeri Jakarta (UNJ) – (SDGs 8, 17)
- 2025 – The Role of CEO Characteristics in Moderating the Influence of Environmental, Social, and Governance on Company Performance – (SDGs 8, 12)
- 2025 – Consumptive Behavior and Propensity Toward Indebtedness Among Digital Wallet (E-Wallet) Users – (SDGs 8, 12)

## Community Service

- 2025 – Business Model Canvas Training as an Effort to Increase Entrepreneurial Intentions Among Students at Al Ashriyyah Nurul Iman Islamic Boarding School, Waru Jaya Village, Parung, Bogor, West Java.
- 2025 – Increasing Literacy Regarding Financial Technology (Fintech) Among Students at Al Ashriyyah Nurul Iman Islamic Boarding School, Waru Jaya Village, Parung, Bogor, West Java.
- 2025 – Smart Salary Management: Saving and Investment Strategies for the Future.
- 2024 – Business Model Canvas (BMC) Training to Support the Strengthening of Student Entrepreneurship.



# Prof. Dr. Umiatin, M.Si

Faculty of Mathematics and Natural Sciences



## Expertise

Biophysics and Medical Physics, IoT-Based Medical Instrumentation, Stunting Detection and Anthropometry

Dr. Umiatin, M.Si. is a distinguished Professor and senior researcher specializing in Biophysics and Medical Physics. Her extensive career is marked by significant contributions to the development of non-invasive medical technologies, specifically focusing on Pulsed Electromagnetic Field (PEMF) therapy for obesity and fracture healing, as well as Internet of Things (IoT) applications for public health. She currently serves as the Coordinator of the Physics Undergraduate Program, leading academic initiatives and curriculum development. As a lead researcher, Dr. Umiatin has pioneered the "NiMBang Balita" system, an innovative, child-friendly smart anthropometry framework integrated with IoT and expert systems for early stunting detection. Her work bridges the gap between physics and clinical application, exploring cellular mechanisms such as gene expression and metabolic markers in response to electromagnetic exposure. She is dedicated to advancing domestic medical device independence and improving community healthcare through digital transformation.

Date of Birth : Ponorogo, Januari 1979  
Email Adress : umiyatin@yahoo.com

## Education

- Doctor of Biomedical Physics (Dr.) Universitas Indonesia (2019)
- Master of Physics (M.Si.) Institut Teknologi Bandung (2005)
- Bachelor of Physics (S.Si.) Institut Teknologi Bandung (2001)

## Career Experience

- TPJM (Faculty Quality Assurance Team) | Universitas Negeri Jakarta (2020 – 2022)
- Active Member | Physical Society of Indonesia (PSI)

## SDGs Expertise



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## Research

- 2024 – A Static Magnetic Field Exposure in Obese Mice Induced by High Fat Diet: Its Effect on T-Box15 Gene and Uncoupling Protein 1 Expression – (SDGs 3)
- 2023 – A Review of Cellular Mechanism of Pulsed Electromagnetic Field (PEMF) in Inhibiting Adipogenesis of Mesenchymal Stem Cells – (SDGs 3)
- 2022 – Development of a Multisensor-Based Non-Contact Anthropometric System for Early Stunting Detection – (SDGs 3)
- 2022 – Placement Optimization of Infrared Sensors as Non-Invasive Blood Sugar Measurements – (SDGs 3)
- 2020 – Relative expression of PPAR $\gamma$  and ADIPOQ mRNA as markers of inhibition adipogenesis on mesenchymal stem cells after Pulsed Electromagnetic Field (PEMF) exposure – (SDGs 3)

## Innovation

Smart Anthropometry "NIMBANG BALITA" untuk Deteksi Dini Stunting  
(Find out more: click [here](#))

## Community Service

- 2024 – Empowerment of "Penting" Cadres (Stunting Care) Through the Application of Smart Anthropometry to Realize Healthy Toddlers at Nusa Indah IX Posyandu, Majalaya Village, Cikalongkulon District, Cianjur Regency, West Java.
- 2024 – Implementation of the "Nimbang Balita" Application at Cempaka Posyandu, South Larangan Village, Larangan District, Tangerang City, Banten.
- 2023 – Implementation of Cempaka Smart Service (CSS) as a Digital Transformation Effort for Cempaka Posyandu, South Larangan Village, Larangan District, Tangerang City, Banten.
- 2022 – Community Service - Student Study Service: Implementation of Smart Anthropometry for Stunting Prevention at Anggrek Posyandu, Larangan Indah Village, Larangan District, Tangerang City.
- 2022 – Community Service: Empowerment of "Lincah" Cadres to Realize an Eco-Green Society at Anggrek Posyandu, Larangan Indah Village, Tangerang.



# Prof. Dr. Yufiarti, M.Si.

## Faculty of Psychology



### Expertise

Child Development & Parenting,  
Environmental Education, School &  
Social Environment

Prof. Dr. Yufiarti, M.Psi. is a distinguished Professor and the current Dean of the Faculty of Psychology at Universitas Negeri Jakarta (UNJ). With over 34 years of experience, she is a leading expert in Educational Psychology and Population and Environmental Education, holding a Doctorate from IKIP Jakarta and a Master's degree from Universitas Indonesia. Prof. Yufiarti is widely recognized for her work in Brain-Based Teaching and Positive Parenting. Her research significantly contributes to improving teacher competencies and developing innovative learning models, such as integrating audio-visual tools and self-reflection. Throughout her career, she has been a prominent speaker and trainer, dedicated to enhancing professional development for teachers and lecturers across various educational institutions in Indonesia.

Date of Birth : Jakarta, Februari 1964  
Email Adress : yufiarti@yahoo.co.id

### Education

- Doctoral Degree (S-3) in Population and Environmental Education from IKIP Jakarta (1996)
- Master Degree (S-2) in Educational Psychology from Universitas Indonesia (1991)
- Bachelor Degree (S-1) in Educational Psychology from IKIP Jakarta (1985)

### Career Experience

- Dean of the Faculty of Psychology, Universitas Negeri Jakarta (2020–Present)
- Professor at Universitas Negeri Jakarta
- Keynote Speaker for Lecturer Professional Improvement at BINUS University (2012)
- Keynote Speaker for Teacher Professional Development (2009)
- Local Content Curriculum Trainer for Junior High School Teachers (2009)
- Keynote Speaker on Learning Models in Elementary Education (2008)

### SDGs Expertise



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## Research

- 2024 – Game-based Digital Media Development to Improve Early Children’s Literacy – (SDGs 4)
- 2024 – Pedagogical innovation and curricular adaptation in enhancing digital literacy: A local wisdom approach for sustainable development in Indonesia context – (SDGs 4)
- 2023 – Teachers’ perceptions on the need to use digital storytelling based on local wisdom to improve writing skills – (SDGs 4)
- 2021 – Teacher involvement in active play and its effect on children’s physical literacy – (SDGs 4)
- 2021 – Does reggio emilia approach encourage physical activities on children during covid-19 pandemic? – (SDGs 4)

## Community Service

- 2025 – Achievement Motivation Training to Reduce Boarding School Syndrome for Students at Islamic Boarding Schools in Pasirtanjung Village, Tanjungsari District, Bogor Regency.
- 2023 – Multicultural Education Training Based on Project-Based Learning for Early Childhood Education (PAUD) Teachers in Bobojong Village, Cianjur Regency.
- 2022 – Empowerment for Women Staying in Australia in ‘Parenting at Multicultural Context’.
- 2022 – Increasing Teacher Competence in Ecology-Based Classroom Management at Labschool Setiabudi Elementary School.



# Prof. Dr. Yulia Irnidayanti, M.Si.

## Faculty of Mathematics and Natural Sciences



### Expertise

Animal development, Histology, Cells, Molecular biology, Embriotoxic&Teratology

Prof. Dr. Yulia Irnidayanti, M.Si. is a distinguished Professor of Biology at Universitas Negeri Jakarta (UNJ). She has held significant structural leadership roles, most recently serving as the Head of the Research Center at LPPM UNJ. With a Doctorate and Master's degree in Biology from IPB, she is a leading authority in Embryology and Developmental Biology. Her research is particularly impactful in the field of environmental toxicology, where she explores the protective roles of natural antioxidants against heavy metal toxicity during development. Additionally, Prof. Irnidayanti is a key expert in sustainable aquatic biology, contributing to the conservation and cultivation of Indonesian fish and eel populations. Her academic leadership and commitment to community service have made her a pivotal figure in advancing biological research and sustainability at the national level.

Date of Birth : Jakarta, Juli 1965  
Email Adress : irnidayanti@unj.ac.id

### Education

- Doctoral Degree (S-3) in Physical Education from Universitas Negeri Jakarta (2012)
- Master of Science (M.Sc.) in Animal Development, Bandung Institute of Technology, Bandung, Indonesia (1993)
- Bachelor of Science (B.Sc.) in Biology Education, Jakarta State University, Jakarta, Indonesia (1988)

### Career Experience

- Professor in Biology, Faculty of Mathematics and Natural Sciences, Universitas Negeri Jakarta.
- Head of Research Center, Institute for Research and Community Service (LPPM), Universitas Negeri Jakarta (2019–2023).
- Secretary of the Institute for Research and Community Service (LPPM), Universitas Negeri Jakarta (2015–2019).
- Coordinator of the Biology Study Program, Universitas Negeri Jakarta (2009–2013).

### SDGs Expertise



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## Research

- 2025 – Characterization of microplastics and associated metals in green mussel cultivation: estimation of potential health risks – (SDGs 3)
- 2024 – Microplastic contamination in green mussels (*perna viridis linnaeus, 1858*) from traditional seafood markets in jakarta, indonesia, and an evaluation of potential hazards – (SDGs 3)
- 2023 – Microplastics in green mussels (*perna viridis*) from jakarta bay, indonesia, and the associated hazards to human health posed by their consumption – (SDGs 3)
- 2023 – The presence of microplastics in the gills and gastrointestinal tract of mackerel (*rastrelliger kanagurta cuvier, 1816*) from jakarta bay, indonesia – (SDGs 14)
- 2021 – Effects of extract of betel leaf (*piperaceae*) against ectoparasite “ich” on pangasius catfish – (SDGs 14)

## Community Service

- 2024 – Making Tempeh Flour as a Source of Resveratrol and Antioxidants: Potential as a Flour Substitute Food.
- 2023 – Counseling on the Dangers of Using Plastic Packaging to Human Health in Tengah Village, Kramat Jati District, Condet, East Jakarta.
- 2022 – Utilization of Dried Leaves as Liquid Compost Fertilizer (PKC) Ingredients in the Rawamangun Area.
- 2021 – Utilization of Household Shrimp Shell Waste as a Material for Making Liquid Organic Fertilizer (POC) in the Rawamangun Area.
- 2020 – Counseling and Genotoxic Examination Due to Lead (Pb) Pollutants for Residents in the Rawamangun Area Using the Muncyct Assay Technique.



# Prof. Usep Suhud, M.Si, Ph.D.

## Faculty of Economics and Business



### Expertise

Destination Marketing, Sustainable Tourism, Consumer Behaviour

Prof. Usep Suhud, M.Si., Ph.D. (born February 1970) is a prominent marketing scholar and currently serves as the Dean of the Faculty of Economics at Universitas Negeri Jakarta (UNJ). He earned his Ph.D. in Marketing from Edith Cowan University, Australia, and has since become a leading expert in destination marketing, sustainable tourism, and consumer behavior. Beyond his academic leadership, Prof. Suhud is an active consultant for major national entities, including Bank Indonesia and PT MRT Jakarta, contributing to strategic projects in transportation and financial systems. His research is characterized by a deep interest in traveler psychology across unique tourism niches, such as volcano, coffee, and textile-based tourism, utilizing advanced structural modeling to drive innovation in the digital-era tourism sector.

Date of Birth : Bogor, Februari 1970  
Email Adress : usuhud@unj.ac.id

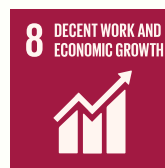
### Education

- Doctor of Philosophy (Ph.D.) in Marketing from Edith Cowan University, Australia (2013)
- Master of Science (M.Sc.) in Marketing Communication from University of Indonesia (2002)
- Bachelor of Science (B.Sc.) in Business Education from IKIP Jakarta (1994)

### Career Experience

- Dean of the Faculty of Economics, Universitas Negeri Jakarta (2023–Present).
- Consultant for PT MRT Jakarta (2022–2024).
- Consultant for Bank Indonesia (2022–2023).
- Country Expert for The Foundation for International Business Administration Accreditation (FIBAA).

### SDGs Expertise



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## Research

- 2025 – Purchase intention of muslim consumers on tiktok live stream: assessing the role of trust, reliability, and tiktok marketing activities – (SDGs 8, 12)
- 2024 – Destination sustainability of ijen geopark as perceived by tourists: how far its impact on visit intention? – (SDGs 8, 11, 12)
- 2024 – Examining the aisas model and tourist citizenship behaviour in context of mining heritage tourism – (SDGs 8, 11, 12)
- 2024 – Tourists’ intention to visit royal cemetery as a dark tourism destination: the role of destination image, self-congruence, and destination personality – (SDGs 8, 11)
- 2024 – Structural model of tourists’ visit intention relating to mount ijen, a volcano tourism destination: the lack role of novelty-seeking, self-congruity, and destination personality? – (SDGs 8)
- 2024 – Towards sustainable volcano tourism: understanding visit intentions at mount anak Krakatau through destination credibility and environmental motivation – (SDGs 8)
- 2024 – Tourists’ intention to visit bangka island: how far does publicity affect destination awareness, preference and image? – (SDGs 8)

## Community Service

- 2025 – development of digital classroom to improve learning outcomes at subhakamana elementary school nepal.
- 2023 – a hope for every child: school management for unfortunate children in nepal.
- 2022 – creation of islamic motifs for batik artisans in cisaat village, subang regency.
- 2022 – supervision of entrepreneurial competence for private university students in indonesia through business model canvas (bmc) design workshops & digital marketing communication.
- 2021 – strengthening indigenous entrepreneurship through indigenous tourism in the baduy indigenous community.



# Prof. Yuli Rahmawati, S.Pd., M.Sc., Ph.D

## Faculty of Mathematics and Natural Sciences



### Expertise

Transformative Science & Chemistry Education,  
Culturally Responsive Transformative Teaching,  
Educational Technology

Prof. Yuli Rahmawati, M.Sc., Ph.D. is a distinguished academic leader and researcher specializing in transformative science education. Currently serving as the Education and Culture Attaché at the Indonesian Embassy in Canberra, she brings extensive expertise in international collaboration and national educational policy. Her pioneering work focuses on integrating STEAM pedagogy, cultural identity (Ethnochemistry), and 21st-century skills into chemistry learning to foster sustainable development and student empowerment.

Date of Birth : Jakarta, Juli 1980  
Email Adress : yrahmawati@unj.ac.id

### Education

- Ph.D. in Science Education: Curtin University, Australia (2013)
- Master of Science Education (with Distinction): Curtin University of Technology, Australia (2008)
- Postgraduate Diploma in Science Education (with Distinction): Curtin University of Technology, Australia (2007)
- Undergraduate in Chemistry Education: Universitas Negeri Jakarta (2003)

### Career Experience

- Education and Culture Attaché at the Embassy of the Republic of Indonesia, Canberra, Australia. (2025–Present)
- Chemistry Education Study Program Coordinator, Universitas Negeri Jakarta. (2024)
- Planning and Cooperation Staff for the Vice Rector, Universitas Negeri Jakarta. (2019)
- Research Assistant, Curtin University, Australia. (2013)
- Tutor for Postgraduate Students, Curtin University, Australia. (2010)

### SDGs Expertise



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## Research

- 2025 – students’ engagement in steam pjbl-design thinking for environmental literacy – (SDGs 4, 11)
- 2023 – chemistry learning through culturally responsive transformative teaching (crtt): educating indonesian high school students for cultural sustainability – (SDGs 4)
- 2022 – students’ engagement in education as sustainability: implementing an ethical dilemma-steam teaching model in chemistry learning – (SDGs 4)
- 2022 – chemistry teacher education for sustainability: ethical dilemma steam teaching model – (SDGs 4)
- 2021 – student empowerment in a constructivist values learning environment for a healthy and sustainable world – (SDGs 4)

## Innovation

- Dilemma Steam Kit (Find out more: click [here](#))

## Community Service

- 2024 – Building Capacity for Improved Classroom Learning Environments: Advancing Teachers’ Research and Publication Competencies in DKI Jakarta.
- 2023 – Development of Teachers’ Research and Publication Competences for Improvement Classroom Learning Environment in DKI Jakarta.
- 2022 – Development of Teachers’ Research Competences for Improvement Classroom Emotional Climate.
- 2021 – Development of Teachers’ Research Competences for Improvement Classroom Emotional Climate in Tambun, Bekasi.
- 2020 – Classroom Action Research Training for Teachers at SMPN 1 Tarumajaya.



# Dr. Agus Wibowo, S.Pd.I., M.Pd.

## Faculty of Economics and Business



### Expertise

Entrepreneurial Education,  
Entrepreneurship, Economic Education

Dr. Agus Wibowo is An educational researcher with strong expertise in Entrepreneurship Education, Entrepreneurship, and Islamic Entrepreneurship, currently serving at Universitas Negeri Jakarta. His scholarly work focuses on the design, implementation, and evaluation of innovative entrepreneurship learning models that empower students, educators, and academic institutions. He has extensive experience in project-based learning, experiential entrepreneurship education, and technology-enhanced learning, including the integration of digital platforms and AI-supported tools to strengthen entrepreneurial mindset, intention, and behavior. His research interests include digital entrepreneurship education, entrepreneurial intention, entrepreneurial literacy, and the integration of Islamic values within entrepreneurship education. Actively involved in academic training, curriculum development, and professional development programs, he supports educators and institutions in adopting evidence-based and context-sensitive entrepreneurship pedagogy. His research has been published in reputable international journals indexed by Scopus (Q1–Q3). Committed to inclusive and sustainable education, he bridges theory and practice through interdisciplinary research, scholarly publication, and academic leadership.

Date of Birth : Gunungkidul, Februari 1982  
Email Adress : agus-wibowo@unj.ac.id

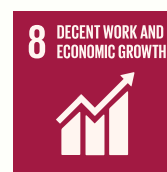
### Education

- Doctor (Dr.) in Economics Education, Universitas Negeri Malang. (2021)
- Master of Education (M.Pd) in Educational Management, Universitas Negeri Yogyakarta. (2011)
- Bachelor of Education (S.Pd.I) in Islamic Education, Universitas Islam Negeri Sunan Kalijaga Yogyakarta. (2006)

### Career Experience

- Special Advisor to the Rector of Universitas Negeri Jakarta (UNJ). (2025–2029)
- Coordinator of the Program in Economics Education, Faculty of Economics, UNJ. (2024)
- Head of the Economics Learning Center Laboratory, Faculty of Economics, UNJ. (2023)
- Head of the Entrepreneurship Laboratory, Faculty of Economics, UNJ. (2022)
- Coordinator of the Quality Assurance Unit, Faculty of Economics, UNJ. (2019)

### SDGs Expertise



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## Research

- 2025 – Does Digital Entrepreneurship Education Matter for Students' Digital Entrepreneurial Intentions? The Mediating Role of Entrepreneurial Alertness – (SDGs 4)
- 2024 – Does Entrepreneurial Ecosystem Drive Entrepreneurial Intention and Students' Business Preparation? Lesson from Indonesia – (SDGs 8)
- 2023 – The Linkage Between Economic Literacy and Students' Intention of Starting Business: The Mediating Role of Entrepreneurial Alertness – (SDGs 4)
- 2022 – Social Capital and Entrepreneurial Intention Among Indonesia Rural Community – (SDGs 8)
- 2022 – Students Ideal Career in the 4.0 Industrial – (SDGs 8)

## Community Service

- 2024 – Building Sustainable Mobility: Partnership for the Goal in Community Engagement with Migo E-Bike Among Malaysian Students.
- 2023 – Optimization of MSME Potential Through Increasing Financial Literacy in Cibitung Tengah Village, Bogor Regency, West Java.
- 2022 – Training and Mentoring for Digital-Based MSME Marketing.
- 2019 – Popular Scientific Writing Technique Training for High School Teachers.
- 2019 – Japanese Language Training for High School Japanese Language Teachers in the Jabodetabek Area.



# Dr. Ayatulloh Michael Musyaffi, S.E., Ak., M.Ak.

## Faculty of Economics and Business



### Expertise

Accounting Information Systems, FinTech & Digital Payments, Cloud Accounting & ERP, AI in Accounting

Dr. Ayatulloh Michael Musyaffi is a prominent scholar in accounting and information systems, specializing in digital accounting ecosystems, financial technology (FinTech), and AI-driven solutions. He is extensively involved in both applied and fundamental research, focusing on technology adoption behavior, immersive payment systems, and innovative accounting information systems. With a Ph.D. from Universitas Padjajaran, he bridges the gap between high-level academic research and practical technology commercialization through system prototyping and technology readiness development. As an academic leader, Dr. Musyaffi has spearheaded numerous nationally funded research projects concerning smart tourism finance, digital taxation, and sustainable financial reporting. He currently serves in pivotal administrative roles at Universitas Negeri Jakarta, including Coordinator of the Risk Management and Finance Center. His commitment to excellence is reflected in his multiple "Best Paper" and "Best Publication" awards, as well as his recognition as a top lecturer for high-impact Scopus-indexed research.

Date of Birth : Cirebon, Februari 1991

Email Adress : musyaffi@unj.ac.id

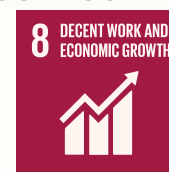
### Education

- Doctor of Philosophy (Dr.) in Accounting Information Systems Universitas Padjajaran (2021)
- Master of Accounting (M.Ak.) in Accounting Information Systems Universitas Padjajaran (2015)
- Accounting Professional Program (PPAK) Universitas Padjajaran (2013)
- Bachelor of Economics (S.E.) in Accounting Universitas Padjajaran (2012)

### Career Experience

- Coordinator of the Risk Management and Finance Center, Badan Pengelola Usaha (BPU) – UNJ (2025 – Present)
- Head of the Publication and Intellectual Property (IP) Laboratory, Universitas Negeri Jakarta (2025)
- Program Coordinator, Public Sector Accounting, Universitas Negeri Jakarta (2024 – 2025)
- Secretary of the Article and Dissemination Cluster (GAD) Universitas Negeri Jakarta (2021 – 2023)
- Academic Staff & Quality Assurance (GPJM) Universitas Negeri Jakarta (2020 – Present)
- Lecturer Universitas Swadaya Gunung Jati (2016 – 2020)

### SDGs Expertise



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## Research

- 2024 – Improving Students’ Openness to Artificial Intelligence Through Risk Awareness and Digital Literacy: Evidence From a Developing Country – (SDGs 4)
- 2024 – Can Financial Advantages and Digital Payments Adoption Provide Effective Solutions to Improve SMEs’ Performance? – (SDGs 8, 9)
- 2024 – New Challenges of Learning Accounting With Artificial Intelligence: The Role of Innovation and Trust in Technology – (SDGs 4)
- 2023 – Analysis of Perceived Usefulness, Perceived Security, and Perceived Ease of Use on Intention to Use QRIS Through Trust as Mediation in DKI Jakarta – (SDGs 8, 9)
- 2023 – Evaluating the Structural Effect of Family Support and Entrepreneurship Training on Entrepreneurship Intention Among Indonesian University Students – (SDGs 4, 8)
- 2023 – How Do Students’ Digital Financial Literacy and Financial Confidence Influence Their Financial Behavior and Financial Well-Being? – (SDGs 4)
- 2022 – Resistance of Traditional SMEs in Using Digital Payments: Development of Innovation Resistance Theory – (SDGs 8, 9)



# Dr. Christian Wiradendi Wolor, S.E., M.M.

## Faculty of Economics and Business



### Expertise

Human Resources Management

Dr. Christian Wiradendi Wolor is a dedicated Human Resource Management scholar with extensive expertise in organizational behavior, employee performance, and leadership dynamics within the modern workforce. He is highly proficient in quantitative research methods and structural modeling, focusing his empirical studies on work stress, digital transformation, and human capital development. His academic excellence is highlighted by his consistent recognition as the "Best Lecturer" for Scopus-indexed international journal publications at Universitas Negeri Jakarta. In addition to his research contributions, Dr. Christian has a strong background in administrative leadership and industry management, having served as a Program Coordinator and Branch Manager. He is deeply involved in national research grants and community empowerment initiatives, particularly those aimed at enhancing the digital skills and sustainability of MSMEs. His work bridges the gap between theoretical human capital management and practical, technology-driven solutions for sustainable economic development.

Date of Birth : Bekasi, Oktober 1991  
Email Adress : chrisden@windowslive.com

### Education

- Doctor of Philosophy (Dr.) in Human Resource Management, Universitas Negeri Jakarta (2019)
- Master of Management (M.M.) in Human Resource Management, Universitas Negeri Jakarta (2016)
- Bachelor of Economics (S.E.) in Management, Institut Bisnis dan Informatika Kwik Kian Gie (2013)

### Career Experience

- Program Coordinator, Digital Office Administration Universitas Negeri Jakarta (2021 – 2024)
- Quality Assurance Unit (GPJM) Universitas Negeri Jakarta (2020 – 2021)
- Branch Manager PT Daya Anugrah Mandiri (2015 – 2019)
- Branch Sales Supervisor PT BFI Finance Indonesia, Tbk (2013 – 2015)

### SDGs Expertise



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## Research

- 2025 – Unleashing the Potential of Learning Agility: A Catalyst for Innovative Work Behavior and Employee Performance – (SDGs 4, 9)
- 2025 – Social Capital and Community Development of Penglipuran Bali Tourism Village – (SDGs 12)
- 2024 – Relationship of Brand Image, Trust and Value on Purchase Intention of Hotels Using Online Technology in China – (SDGs 4)
- 2024 – Innovating for Inclusion: How Diversity Management and Innovation Drive Employee Performance – (SDGs 9)
- 2023 – Factors Affecting Employee Job Satisfaction and Commitment After the Covid-19 Pandemic Ends – (SDGs 3)
- 2023 – Economic Acceleration After the Covid-19 Pandemic Through Improving the Quality of Human Resources in Rural Communities: A Case Study of Bawuran Tourism Village, Indonesia – (SDGs 8)
- 2023 – Cultural Changes and Willingness to Change in Indigenous People of Penglipuran Bali Tourism Village During the Covid-19 Pandemic – (SDGs 12)

## Community Service

- 2023 – Empowerment of Migrant Workers in Taiwan Through Augmented Reality Integrated Website Design Training to Cultivate Interest in Digital Entrepreneurship and Entrepreneurial Mindset.
- 2023 – Training on the Importance of Digital CV Portfolios for Private Campus Students.
- 2023 – Training on Effective Communication Skills.
- 2022 – Training on Grooming and Presentation Techniques for Rural Communities.
- 2022 – Training on Creating Digital Learning Media During the Covid-19 Pandemic.



# Dr. Dian Handayani, S.Si., M.Si.

## Faculty of Mathematics and Natural Sciences



### Expertise

Statistical Modelling, Small Area Estimation, Applied Statistics

Prof. Dr. Dian Handayani is a distinguished statistical researcher and academic leader with extensive expertise in statistical modeling, small area estimation, and applied statistics. Throughout her career, she has demonstrated a profound ability to apply complex statistical methodologies to real-world challenges in poverty, education, public health, and environmental science. Her academic contributions are backed by a solid educational foundation from IPB University and a professional competency certificate as a Data Analyst from BNSP. As a dedicated educator and researcher, Prof. Dian has successfully secured numerous research grants from the Ministry of Higher Education, Science and Technology (KEMENDIKTISAINTEK) and Universitas Negeri Jakarta. Her work is widely recognized in the scientific community, evidenced by her frequent participation in international seminars and her record of "Best Paper" and "Best Presenter" awards. Beyond research, she is deeply committed to community service, leading initiatives to enhance statistical literacy and digital competency among educators and local government officials.

Date of Birth : Cirebon, April 1974  
Email Adress : dianh@unj.ac.id

### Education

- Doctor of Statistics (Dr.) from IPB University (2022)
- Master of Science in Statistics (M.Si.) from IPB University (1999 – 2002)
- Bachelor of Science in Statistics (S.Si.) from IPB University (1992 – 1997)

### Career Experience

- Professor / Associate Professor (Guru Besar / Lektor Kepala) | (2025 – Present)
- Head of Statistics Study Program (2023 – Present)
- University Senate Member (Anggota Senat Universitas) (2020)
- Lecturer and Researcher (1999 – Present)

### SDGs Expertise



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## Research

- 2025 – Bayesian Spatio-Temporal Conditional Autoregressive Localized Modeling Techniques for Socioeconomic Factors and Stunting in Indonesia – (SDGs 1)
- 2024 – Spatial Empirical Best Predictor of Small Area Poverty Indicator – (SDGs 1)
- 2024 – Spatio-Temporal Modeling to Identify Factors Associated with Stunting in Indonesia Using a Modified Generalized Lasso – (SDGs 1)
- 2024 – Childhood Stunting in Indonesia: Assessing the Performance of Bayesian Spatial Conditional Autoregressive Models – (SDGs 1, 3)
- 2024 – Modeling Poverty Rates with Generalized Poisson Regression – (SDGs 1)

## Community Service

- 2024 – Training on Test Item Characteristic Analysis for Secondary School Teachers in Sukabumi Regency.
- 2024 – Training on Basic Statistical Concepts and Simple Data Presentation to Improve Statistical Literacy for Junior High School Students in Sukabumi Regency.
- 2024 – Community Empowerment Through Digital Skills Training, Information Literacy, and Understanding of Digital Security in Sukabumi Regency.
- 2024 – Regression Analysis Training to Increase Teacher Competence in Conducting Educational Research (Case Study: Secondary School Teachers in Thousand Islands-DKI Jakarta).
- 2022 – Data Management Training for Urban Village Officials (Case Study: Malaka Jaya Village Officials, Duren Sawit District - East Jakarta).



# Dr. Firmanul Catur Wibowo, S.Pd., M.Pd

## Faculty of Mathematics and Natural Sciences



### Expertise

Physics & Science Education, Smart Learning Environments, STEM/STEAM Education, Bibliometrics

Assoc. Prof. Dr. Firmanul Catur Wibowo, M.Ed. is a dedicated educational researcher and expert in Physics Education and Learning Technology. He is recognized for his innovative work in integrating advanced digital tools—such as Augmented Reality (AR), AI-based chatbots, and interactive simulations—into pedagogical frameworks like STEM/STEAM and Project-Based Learning.

With a strong focus on improving scientific literacy and problem-solving skills, his work bridges the gap between complex physics concepts and engaging, personalized learning environments. He actively develops specific educational media, including gamification applications like Innovative Smart Orbital (ISO) and digital 3D animated books, to ensure effective, evidence-based learning outcomes in the modern education era.

Date of Birth : Jepara, April 1987  
Email Adress : firmanul27@gmail.com

### Education

- Doctoral Degree in Language Education from UNJ (2012)
- Sandwich Program/Doctoral Studies in Ecole Doctorale n° 224 Cognition, langage, interaction from Université Paris 8, Paris, France
- Master Degree in Educational Research and Evaluation from UNY (1997)
- Bachelor Degree in French Language and Literature from UNNES

### Career Experience

- Quality Assurance, Faculty of Mathematics and Natural Sciences, Jakarta State University. (2020–Present)
- Senior Researcher in Physics Learning Media, STEM, and Physics Education Technology, Jakarta State University. (2019–Present)
- Coordinator of SINTA Region IV (West Java and Banten), Higher Education Directorate (Dikti), Indonesia. (2019)
- Researcher in Physics Education and Local Wisdom, Sultan Ageng Tirtayasa University. (2019)
- Expert Staff to the Director, Road Transportation Safety Polytechnic, Ministry of Transportation. (2012)

### SDGs Expertise



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## Research

- 2024 – System Differential Learning for Detecting Learning Styles in Science Education for Students with Learning Disabilities – (SDGs 4)
- 2024 – Physics Chatbot Renewable Energy (PCRE) Using WhatsApp Auto Reply for Student’s Construction Conception and Motivation – (SDGs 4, 7)
- 2024 – Instrument of Science Processing Skills and Critical Thinking Skills in Physics Learning Renewable Energy Chapter – (SDGs 4, 7)
- 2023 – Effects of Augmented Reality Integration (ARI) Based Model Physics Independent Learning (MPIL) for Facilitating 21st-Century Skills (21-CS) – (SDGs 4)
- 2023 – Integration of Independent Learning and Physics Innovation in STEAM-Based Renewable Energy Education to Improve Critical Thinking Skills in the Era of Society 5.0 for Sustainable Development Goals (SDGs) 2030 – (SDGs 4, 7)

## Community Service

- 2024 – Enhancement of Physics Teacher Competence Through the Dissemination of GPI (Game Physics Instructional) to Develop Learning Media in Collaboration with the East Jakarta Physics MGMP and MAN 2 Jakarta.
- 2023 – Dissemination of STEM Education with Virtual Microscopic Simulation (VMS) for Improving Creative Thinking Skills Student (Collaboration of Universitas Negeri Jakarta, Universiti Sains Malaysia, Universiti Teknologi Malaysia).
- 2021 – Dissemination of GOOPI (Game Open Online Physics Instructional) to Sparking Innovation in STEM Education for Facilitating 21st-Century Skills (21-CS) in Universitas Negeri Jakarta and Universiti Sains.
- 2020 – Efforts to Improve the Quality of Education at Az-Ziyadah Islamic Boarding School, Klender Village, Duren Sawit District, East Jakarta, Through Learning Using Innovative Smart Orbital (ISO) Media.

## Honors & Awards

- 2025 - Best Lecturer in 3 National Competitive Research Categories, LPPM UNJ Award.
- 2025 - Best Lecturer for Sinta Score (Garuda) and Most Overall Citations, LPPM UNJ Award.
- 2024 - 1st Haki Award (Intellectual Property Rights) for Most Winnings, FMIPA UNJ.
- 2019 - Best Basic Research Output for Simlitabmas, DRTPM DIKTI.



# Dr. Hanhan Dianhar, S.Si., M.Si.

## Faculty of Mathematics and Natural Sciences



### Expertise

Organic Synthesis & Natural Product Synthesis, Medicinal Chemistry, Green Chemistry

Dr. Hanhan Dianhar is a distinguished academic and researcher serving as a lecturer in the Chemistry Study Program at the Faculty of Mathematics and Natural Sciences (FMIPA), Universitas Negeri Jakarta (UNJ). He completed his entire higher education at the Bandung Institute of Technology (ITB), culminating in a Doctorate in Chemistry. Dr. Hanhan's primary research focus is on Organic Chemistry, specifically in the synthesis of natural products and the application of green chemistry principles. He is actively involved in synthesizing potent compounds, such as coumarins and flavonoids, to develop effective antibacterial and anticancer treatments. As an advocate for environmental sustainability, Dr. Hanhan also innovates within the field of microwave-assisted organic synthesis (MAOS) to minimize the environmental impact of chemical research processes.

Date of Birth : Tasikmalaya, September 1990  
Email Address : hanhan@unj.ac.id

### Education

- Doctoral Degree (Dr.) in Chemistry from Institut Teknologi Bandung (2019)
- Master of Science (M.Si.) in Chemistry from Institut Teknologi Bandung (2013)
- Bachelor of Science (S.Si.) in Chemistry from Institut Teknologi Bandung (2012)

### Career Experience

- Head of the Chemistry Research Laboratory, FMIPA UNJ (2024–present)
- Organizational Affairs Division, Indonesian Chemical Society (2023–present)
- Head of the Membership Division, Indonesian Society of Natural Products Chemistry (2018–present)
- Lecturer, Chemistry Study Program, FMIPA, Universitas Negeri Jakarta (2015–present)
- Expert Staff for the Vice Rector of Academic Affairs, Universitas Negeri Jakarta (2021–2023)
- Soft Component Development Team for Saudi Fund for Development (SFD) Phase 2 Grant UNJ (2020–2024)

### SDGs Expertise



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## Research

- 2025 – The Cytotoxicity And Sar Analysis Of Biflavonoids Isolated From *Araucaria Hunsteinii* K. Schum. Leaves Against Mcf-7 And Hela Cancer Cells – (SDGs 3)
- 2024 – Chemical Diversity, Pharmacology, Synthesis And Detection Of Naturally Occurring Peroxides – (SDGs 3)
- 2024 – Molecular Docking Of Biflavonoids From Genus *Araucaria* As Denv Ns5 Rna-Dependent Rna Polymerase Inhibitor Using Yasara And Plants Programs – (SDGs 3)
- 2024 – Combined In-Silico And In-Vitro Approaches To Evaluate The Inhibitory The Potential Of Biflavonoids From *Araucaria* Plants Against  $\alpha$ -Glucosidase As Target Protein – (SDGs 3)
- 2024 – Phenolic Compounds From The Rhizomes Of Indonesian *Curcuma Amada* – (SDGs 3)

## Community Service

- 2024 – Workshop on Strengthening Organic Chemistry Materials to Support Chemistry Learning in the Merdeka Curriculum Within the South Jakarta High School Chemistry MGMP Environment.
- 2023 – Workshop on the Implementation of Laboratory Occupational Health and Safety (K3) Aspects in Chemistry Experiments Within the East Jakarta II Chemistry MGMP Environment.
- 2022 – Workshop on the Development of High School Chemistry Experiments Within the East Jakarta I Chemistry MGMP Environment Through the Application of Occupational Safety Aspects in the Laboratory.
- 2021 – Implementation of Occupational Health and Safety (K3) Programs to Improve the Performance of Science Laboratory Use and Management at Labschool Cibubur High School, Bekasi, West Java.
- 2021 – Workshop on the Utilization of Interactive Learning Media for Junior High School Teachers in Tarumajaya District, Bekasi Regency.



**Dr. Ir. Muhammad Nurtanto, S. Pd., M.Pd.**

## Faculty of Engineering



### Expertise

Vocational Education and Technical Training,  
Teacher Professional Development and Identity,  
Educational Technology and AI Adoption

Dr. Ir. Muhammad Nurtanto is an esteemed educational researcher and senior lecturer with a specialized focus on teacher professionalism and future-oriented Continuing Professional Development (CPD) models within vocational education. His extensive scholarly work explores professional identity, teacher performance, and psychological well-being through diverse methodological approaches, including quantitative (SEM-PLS) and qualitative research. He is actively involved in developing innovative frameworks such as the Technology-Andragogy-Work-Content Knowledge (TAWOCK) model and STEM-EDP-based learning to enhance teaching quality in vocational and automotive sectors. Beyond his research, Dr. Nurtanto integrates modern perspectives on digital transformation, including AI adoption in higher education and digital employability skills, to prepare the workforce for Industry 4.0. He is highly experienced in implementing project-based and work-integrated learning, effectively bridging the gap between academic development and industry requirements. His commitment to evidence-based CPD policies underscores his dedication to sustaining high standards of teacher professionalism in the 21st-century vocational landscape.

Date of Birth : Grobogan, September 1990  
Email Adress : muhammad.nurtanto@unj.ac.id

### Education

- Doctor of Education (Ed.D.) in Vocational and Technical Education, Universitas Negeri Yogyakarta (2024)
- Professional Engineer (Ir.), Universitas Negeri Yogyakarta (2021)
- Master of Education (M.Ed.) in Vocational and Technical Education, Universitas Negeri Yogyakarta (2015)
- Bachelor of Education (B.Ed.) in Mechanical Engineering Education, Universitas Negeri Semarang (2013)

### Career Experience

- Executive Board Member (Commission for SMK Educators) Asosiasi Dosen dan Guru Vokasi Indonesia (ADGVI) (2024 – 2029)
- Executive Board Member (Division of Studies and Development) Asosiasi Dosen dan Guru Vokasi Indonesia (ADGVI) (2020 – 2024)
- Secretary of the Department of Vocational Mechanical Engineering Universitas Sultan Ageng Tirtayasa (UNTIRTA) (2016 – 2019)

### SDGs Expertise



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## Research

- 2025 – The Influence of Psychological Well-Being on Vocational Teacher Performance: The Mediating Role of Personality Traits and Work Commitment – (SDGs 4)
- 2025 – Educational Strategies for Addressing Student Anxiety and Depression Through Artificial Intelligence: A Bibliometric and Conceptual Analysis – (SDGs 4)
- 2025 – Determinants of Behavioral Intentions and Their Impact on Student Performance in the Use of AI Technology in Higher Education in Indonesia: A SEM-PLS Analysis Based on TPB, UTAUT, and TAM Frameworks – (SDGs 4)
- 2022 – Professional Identity of Vocational Teachers in the 21st Century in Indonesia – (SDGs 4, 9)
- 2019 – Designing Ignition System Based Ergonomic Teaching Aid in Vocational Education: Minimizing Fatigue Factors During Practice – (SDGs 9)

## Community Service

- 2024 – Smart Fish Processing: Integration of STEAM Technology and Digital Marketing for Mackerel Products as a Leading Commodity in Wonosari Village, Demak.
- 2024 – Empowerment of the Pindang Jaya Community Through Innovation and Maintenance of STEAM Technology in Steam-Processed Fish Production in Wonosari Village, Bonang District, Demak Regency.



**Dr. Irwanto, S.Pd., M.Pd.**

**Faculty of Mathematics and Natural Sciences**



### Expertise

Chemistry & Science Education Pedagogy,  
STEAM & Dilemma-STEAM Learning Models,  
Quantitative Research & Bibliometric Analysis

Dr. Irwanto is a distinguished Associate Professor (Lektor Kepala) at the Department of Chemistry Education, Universitas Negeri Jakarta, specializing in advanced science education and instructional innovation. He holds a Doctorate in Science Education from Universitas Negeri Yogyakarta and has established himself as a leading researcher in 21st-century skill development. His work focuses on integrating critical thinking, creative problem-solving, and scientific literacy into chemistry and science curricula through innovative pedagogical models.

With a high research impact (Scopus H-Index: 18), Dr. Irwanto is at the forefront of educational technology, particularly in the application of Augmented Reality (AR) and Mobile Learning for science subjects. He has successfully led numerous research projects funded by the Ministry of Education and UNJ, resulting in a vast portfolio of intellectual properties, including AR-based learning modules and STEAM-integrated instructional guides. His commitment to academic excellence is further demonstrated through his leadership in managing chemistry education programs and his role as a prolific author in high-impact international journals.

Date of Birth : Lampung Timur, Januari 1992  
Email Adress : Irwanto@unj.ac.id

### Education

- Doctor of Science Education (Dr.) Universitas Negeri Yogyakarta (2020)
- Master of Education (M.Pd.) in Chemistry Education Universitas Negeri Yogyakarta (2015)
- Bachelor of Education (S.Pd.) in Chemistry Education Universitas Negeri Yogyakarta (2013)

### Career Experience

- Head of Quality Assurance Cluster (GPJM) Universitas Negeri Jakarta (2024 – Present)
- Lektor Kepala (Associate Professor) Universitas Negeri Jakarta (2025)
- International Journal Editor and Reviewer Multiple Journals (e.g., International Journal of Instruction, Elementary Education Online)
- National Journal Editor and Reviewer

### SDGs Expertise



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## Research

- 2025 – Students’ Engagement in STEAM PjBL-Design Thinking for Environmental Literacy – (SDGs 4)
- 2025 – Primary education students’ scientific literacy in terms of some variables (SDGs 4, 5)
- 2024 – Data on Undergraduate Students’ Self-Regulation in Online and Blended Learning Environments During the COVID-19 Pandemic in Indonesia – (SDGs 4)
- 2024 – Examining the e-learning attitudes of Indonesian students during the COVID-19 pandemic (SDGs 4, 5)
- 2024 – Exploring High School Students’ Attitudes Towards Digital Game-Based Learning: A Perspective From Indonesia – (SDGs 4, 5)
- 2023 – The Impact of Using the “Go-Chemist!” App on Students’ Motivation to Learn Atomic Structure in Chemistry – (SDGs 4)
- 2023 – Attitudes Toward E-Learning of Undergraduate Students During COVID-19: Dataset From Indonesia – (SDGs 4)

## Community Service

- 2024 – Augmented Reality-Integrated Website Design Training to Elevate Entrepreneurial Mindset and Entrepreneurial Intention of Indonesian Migrant Workers in Taiwan.
- 2023 – Empowerment of Migrant Workers in Taiwan Through Augmented Reality Integrated Website Design Training to Cultivate Interest in Digital Entrepreneurship and Entrepreneurial Mindset.
- 2022 – Training on Interactive Question Development Using the E-Ujian Platform for Chemistry Teachers at MGMP East Jakarta 1, Pulo Gadung District, East Jakarta City, DKI Jakarta Province, Indonesia.
- 2021 – Enhancing Science Teacher Competency in Home-Based Media Development During the Pandemic Within Integrated Islamic Schools in Bogor City/Regency.
- 2021 – Training on Interactive Question Development Using Wondershare Quiz Creator in the Online Learning Process for Junior High School Teachers in Tarumajaya District, Bekasi.



# Dr. Iwan Setiawan, M.Pd

## Faculty of Sports Science and Health



### Expertise

Physical Education and Health, Sports  
Science Pedagogy, Community  
Service Management

Dr. Iwan Setiawan is a distinguished academic and expert in Physical Education and Health, currently serving as a Senior Lecturer (Lektor Kepala) at Universitas Negeri Jakarta. With a deep-rooted commitment to social impact, he leads the Center for Community Service and Student Study Programs (LP2M) as Coordinator. His career is defined by a dedication to advancing sports science and physical education through both administrative leadership and academic instruction. Throughout his professional journey, Dr. Setiawan has demonstrated significant leadership capabilities, having successfully managed the Physical Education Undergraduate Program. His extensive background in sports education is supported by a solid academic foundation, culminating in a Doctorate from Universitas Negeri Jakarta. He continues to bridge the gap between academic theory and community application, fostering environments where sports science contributes to broader social development and student growth.

Date of Birth : Garut, Maret 1973

Email Address : lwansport53@yahoo.com

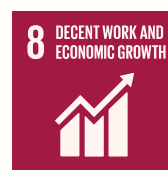
### Education

- Doctor of Physical Education and Health (Dr.) Universitas Negeri Jakarta (2017)
- Master of Physical Education (M.Pd.) Universitas Negeri Jakarta (2009)
- Bachelor of Physical Education and Health (S.Pd.) Universitas Negeri Jakarta (1998)

### Career Experience

- Coordinator of the Center for Community Service and Student Study Programs (LP2M) (2024 – Present)
- Senior Lecturer (Lektor Kepala) (Current Position)
- Coordinator of Physical Education Undergraduate Program (S1) (2019 – 2023)
- Assistant Professor (Asisten Ahli) (2023)
- Project Leader & Member (Research & Community Service) | (2022 – 2025)

### SDGs Expertise



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## Research

- 2025 – Multimedia-Based Soccer Dribbling Learning Model for High School Students – (SDGs 3, 4)
- 2024 – Dissemination of Sport Science Learning Through Electrobiomechanics in Motor Learning & LTAD Courses – (SDGs 3, 4)
- 2024 – Teaching Personal and Social Responsibility Model on Physical Activity and Social-Emotional Learning – (SDGs 3, 4)
- 2023 – Muscle Strength Learning Model for High School Students – (SDGs 3, 4)
- 2022 – Survey of Mentor Teacher Satisfaction Levels Toward the Teaching Skills Practice Program of the Physical Education Study Program, Faculty of Sports Science, UNJ – (SDGs 4)

## Community Service

- 2025 – Multimedia-Based Soccer Dribbling Learning Model for High School Students.
- 2024 – Dissemination of Sport Science Learning Through Electrobiomechanics in Motor Learning & LTAD Courses.
- 2024 – Teaching Personal and Social Responsibility Model on Physical Activity and Social-Emotional Learning.
- 2023 – Muscle Strength Learning Model for High School Students.
- 2022 – Survey of Mentor Teacher Satisfaction Levels Toward the Teaching Skills Practice Program of the Physical Education Study Program, Faculty of Sports Science, UNJ.



# Dr. Ragil Sukarno, S.T., M.T.

## Faculty of Engineering



### Expertise

Energy Conversion Systems, Heat Pipe & Heat Exchanger Technology, Thermoelectric Cooling and Power Generation

Dr. Ir. Ragil Sukarno is a prominent academic and researcher in the Department of Mechanical Engineering at Universitas Negeri Jakarta. He holds a Doctorate in Mechanical Engineering from Universitas Indonesia, where his pioneering research focused on enhancing the energy efficiency of HVAC systems through heat pipe heat exchangers. His profound expertise spans energy conversion, thermoelectric systems for cooling and power generation, and advanced waste-heat recovery solutions for both industrial buildings and automotive applications. In addition to his research excellence, Dr. Sukarno is a recognized leader in academic management and professional engineering. He currently serves as the Head of the Bachelor of Mechanical Engineering Study Program and has been honored with the "Second-Best Outstanding Lecturer Award" at his university. As a certified Professional Engineer (IPM), he actively contributes to the advancement of mechanical engineering standards and has received accolades for his significant contributions to Intellectual Property Rights and international scientific presentations.

Date of Birth : Pati, November 1979  
Email Adress : ragil-sukarno@unj.ac.id

### Education

- Engineer (Ir.) in the Engineer Professional Program, Universitas Gadjah Mada (2024)
- Doctor (Dr.) in Mechanical Engineering, Universitas Indonesia (2021)
- Master of Engineering (M.T.) in Mechanical Engineering, Universitas Trisakti (2011)
- Bachelor of Engineering (S.T.) in Mechanical Engineering, Universitas Diponegoro (2003)

### Career Experience

- Head of Bachelor of Mechanical Engineering Study Program Universitas Negeri Jakarta (2021 – Present)
- Lecturer at the Department of Mechanical Engineering Universitas Negeri Jakarta (2013 – Present)
- Head of Laboratory Department of Mechanical Engineering, UNJ (2019 – 2020)
- Quality Assurance Staff Faculty of Engineering, UNJ (2015 – 2016)

### SDGs Expertise



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## Research

- 2025 – Innovative Thermal Management System for Electric Vehicle Batteries: Phase Change Material, Heat Pipe and Heat Sink Box Integration – (SDGs 7, 9)
- 2025 – Review on Synthesis Methods of Carbon Nanotubes as Activated Carbon Composites Based on Biomass for Supercapacitors in Electric Vehicles – (SDGs 7, 9)
- 2024 – Experimental Investigation of Using Thermoelectric Coolers Under Different Cooling Methods as an Alternative Air Conditioning System for Car Cabin – (SDGs 7, 9)
- 2024 – Experimental Study of Thermoelectric Cooling System for a Parked Car With Solar Energy – (SDGs 7)
- 2023 – An Experimental Study to Evaluate the Performance of a Two-Stroke Direct Injection Spark Ignition Engine – (SDGs 9)
- 2022 – Utilizing Heat Pipe Heat Exchanger to Reduce the Energy Consumption of Airborne Infection Isolation Hospital Room HVAC System – (SDGs 3, 7)
- 2021 – Non-Dimensional Analysis for Heat Pipe Characteristics in the Heat Pipe Heat Exchanger as Energy Recovery Device in the HVAC Systems – (SDGs 7, 9)



# Taryudi, S.T., M.T., Ph.D.

## Faculty of Engineering



### Expertise

Robotics, IoT, and Electrical Engineering

Taryudi, ST., MT., Ph.D. is a highly accomplished academic and researcher specializing in Electrical Engineering, with a focus on Robotics and the Internet of Things (IoT). He currently serves as a Lecturer (Lektor) and holds the structural position of Head of the Sub-directorate of Innovation and Downstreaming at Universitas Negeri Jakarta. With over a decade of experience in higher education, he has successfully mentored numerous student organizations, including the UNJ Robotic Club and the Young Researchers Group (KPM), and serves as an expert advisor for Dunia Robot Indonesia. His research portfolio is extensive, featuring innovative projects such as IoT-based "Smart-Beds" for stroke patients, automated stunting detection systems for children, and sustainable electric go-karts. A prolific author, he has published numerous scientific articles in reputable journals on topics ranging from robotic tracking to mobile health applications. His dedication to social impact is evident in his community service initiatives, where he applies technology to enhance public health and local capacity in various regions across Indonesia.

Date of Birth : Bandung, Agustus 1980  
Email Adress : taryud@yahoo.com

### Education

- Ph.D. in Electrical Engineering, Southern Taiwan University of Science and Technology (2017)
- Master of Engineering (MT) in Electrical Engineering, Universitas Indonesia (2010)
- Bachelor of Engineering (ST) in Electrical Engineering, Universitas Indonesia (2007)

### Career Experience

- Head of Sub-directorate of Innovation and Downstreaming Universitas Negeri Jakarta (Current)
- Permanent Lecturer Universitas Negeri Jakarta (2010 – Present)
- Expert Council Member Dunia Robot Indonesia (2023 – Present)
- Non-Permanent Lecturer Politeknik Negeri Jakarta (2005 – 2010)
- Audio/Video Technician VSony Authorized Service Center (1999 – 2004)

### SDGs Expertise



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## Research

- 2024 – Development of an Automated Stunting Detection System for Children Based on Artificial Intelligence and IoT – (SDGs 3)
- 2024 – Implementation of Smart-Bed Technology Integrated with IoT for Real-Time Monitoring of Stroke Patients – (SDGs 3)
- 2023 – Design and Development of Sustainable Electric Go-Karts for Green Transportation – (SDGs 7, 9)
- 2023 – IoT-Based Smart Monitoring System for Hydroponic Agriculture in Urban Areas – (SDGs 2, 11)
- 2022 – Development of a Telemetry-Based Weather Monitoring Station for Disaster Mitigation in Coastal Regions – (SDGs 13)
- 2021 – Design of a Low-Cost Portable Ventilator for Emergency Use in Rural Healthcare Facilities – (SDGs 3)

## Innovation

- SINOBED Smart Innovation Bed (Find out more: click [here](#))
- MI-ROBOT (Find out more: click [here](#))

## Community Service

- 2022 – Digital Literacy and Basic Robotics Training for Vocational High School Teachers in Jakarta.



# Dr. Widyaningrum Indrasari, M.Si.

## Faculty of Mathematics and Natural Sciences



### Expertise

Instrumentation Physics, Earth Physics,  
STEM Pedagogy & Educational Innovation

Dr. Widyaningrum Indrasari, M.Si. is a distinguished academic and the current Dean of the Faculty of Mathematics and Natural Sciences (FMIPA) at Universitas Negeri Jakarta (UNJ). She holds three degrees from the prestigious Institut Teknologi Bandung (ITB), specializing in Earth Physics and Physics Instrumentation. Her technical research focuses on developing advanced detection systems for subsurface magnetic materials and seismic data analysis. Beyond her core scientific field, she is a passionate educational researcher with a strong background in STEM pedagogy and technology-enhanced learning. Dr. Indrasari is recognized for her leadership in academic publications and her commitment to developing innovative learning models that bridge the gap between complex physics concepts and effective classroom implementation.

Date of Birth : Magelang, Mei 1977  
Email Adress : widyafisikaunj@gmail.com

### Education

- Doctoral Degree (S-3) in Physics Instrumentation from Institut Teknologi Bandung (ITB)
- Master's Degree (S-2) in Earth Physics from Institut Teknologi Bandung (ITB)
- Bachelor's Degree (S-1) in Earth Physics from Institut Teknologi Bandung (ITB)

### Career Experience

- Coordinator of the Center for Publication, IPR, and Journal Development at LPPM UNJ (2015–Present)
- Coordinator of the Physics Study Program, Universitas Negeri Jakarta

### SDGs Expertise



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## Research

- 2024 – Suppression of Conducted Emission Noise in Electric Vehicle Charger with Passive EMI Filter – (SDGs 7)
- 2023 – Water Quality Status Analysis Based on a Parameter of Physics and Chemistry Using the STORET Method in Bekasi River – (SDGs 6)
- 2022 – Microplastic Waste Polluted Water Measurement Development Based on Parameter of Physics – (SDGs 6)
- 2021 – Measurement System Development of Refractive Index, Salinity and Magnetic Field Parameters on Liquid Waste Polluted Water – (SDGs 6)
- 2019 – Measurement of Water Polluted Quality Based on Turbidity, PH, Magnetic Property, and Dissolved Solid – (SDGs 6)

## Community Service

- 2024 – Development of Smart Sensing Facilities Based on IoT Technology to Improve Posyandu Service Quality in Ciracas Village, East Jakarta.
- 2023 – Training on the Development of Global Warming Learning Aids Using CO2 Gas Sensors.
- 2021 – Revitalization of Posyandu Through Training and Application of Electronic Health Cards (E-KMS) in Larangan Indah Village, Larangan District, Tangerang, Banten.
- 2021 – Training on the Production of Sensor and Microcontroller-Based Distance Learning Media at Madrasah Aliyah Negeri (MAN) 7 Jakarta.
- 2020 – Training on the Production of Sensor and Microcontroller-Based Physics Learning Media in Bogor Regency.





*Indahnya - Ciptakan*

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