



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,  
RISET DAN TEKNOLOGI  
UNIVERSITAS NEGERI JAKARTA  
**FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM**  
Kampus A, Gedung Hasjim Asj'arie Rawamangun, Jakarta Timur 13220  
Telp/Fax : (021) 4894909, E-mail : [dekanfmipa@unj.ac.id](mailto:dekanfmipa@unj.ac.id), [www.fmipa.unj.ac.id](http://www.fmipa.unj.ac.id)

**STAFF HANDBOOK**

**Publication Link**

SINTA ID : 6658763  
SCOPUS ID : 57223099355  
Google Scholar ID : mKBY3XcAAAAJ



**Dwi Antari Wijayanti, M.Pd.**  
[dwi-antari@unj.ac.id](mailto:dwi-antari@unj.ac.id)

<b>Name</b>	<b>Dwi Antari Wijayanti, M.Pd.</b>
<b>Position</b>	Coordinator of the Undergraduate Mathematics Education Study Programme
<b>Education Background</b>	<ul style="list-style-type: none"><li>• Bachelor's Degree, Mathematics Education, Universitas Negeri Semarang, 2000-2005</li><li>• Master's Degree, Mathematics Education, Universitas Negeri Semarang, 2005-2007</li></ul>
<b>Employment</b>	Lecturer, Undergraduate Program in Mathematics Education– Faculty of Mathematics and Natural Sciences, Universitas Negeri Jakarta, 2009-now
<b>Research and Development project over the last5 years</b>	<ul style="list-style-type: none"><li>• The Effect of Approaches to Learning Methods and Belief in Mathematics on Students' Mathematics Learning Outcomes, 2018</li><li>• Development of Mobile App Applications as Learning Media on Circle Subjects, 2019</li><li>• Application of the Means Ends Analysis Learning Model to Improve Students' Deductive Reasoning Ability in the Euclidean Geometry Course Mathematics Education Study Program, 2019</li><li>• The Effect of Applying the Means Ends Analysis Learning Model on Students' Deductive Reasoning Ability in View of the Initial Ability of Mathematics Representation of Students of the Mathematics Education Study Program, 2020</li><li>• Learning Functions with the Assistance of ICT to Develop Algebraic Thinking Skills, 2021</li></ul>



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	<ul style="list-style-type: none"> <li>• Development of Local Instruction Theory for Introduction the Concept of Functions in Grade VIII Students of Junior High School, 2022</li> </ul>
<b>Industry Collaboration/ Community Service Over The Last 5 Years</b>	<ul style="list-style-type: none"> <li>• Training on Creating Geogebra Software Assisted Learning Media on Geometry Materials (Collaboration with MGMP Matematika in Bogor District, 2022)</li> <li>• Training on Creating Geogebra Software Assisted Learning Media on Transformation Geometry Materials (Collaboration with MGMP Matematika in Bogor District, 2021)</li> <li>• Training on Creating Manipulative for Teaching Mathematics to Improve the Competence of Elementary School Teachers in Bogor Regency, West Java Province (Collaboration with MGMP Matematika in Bogor District, 2020)</li> <li>• Training on Creating Manipulative for Teaching Mathematics to Improve the Competence of Junior High School Teachers in Depok City, West Java Province (Collaboration with MGMP Matematika in Depok District, 2019)</li> <li>• Training of Manipulative and Software for Teaching Mathematics for Elementary School Teachers in Bekasi (Collaboration with MGMP Matematika in Depok District, 2018)</li> <li>• Training of Manipulative and Geogebra Software to Improve the Quality of Learning Mathematics for Elementary School Teachers in Magelang District, Province of Central Java (Collaboration with MGMP Matematika in Magelang District, 2018)</li> </ul>
<b>Patents and Proprietary Rights</b>	<ul style="list-style-type: none"> <li>• Trango Mobile Learning, 2020</li> <li>• MathClass, 2021</li> <li>• Mathematics Induction Class XI of SMA (High School, 2021</li> <li>• Feasibility Study of Digital Start Up Business "MANASIKKU"- Virtual Reality-Based Hajj Ritual Application- from a Market, Technical and Financial Aspect, 2021</li> <li>• Module of Probability material in Junior High School with the RME Approach, 2021</li> <li>• Textbook of Integral Mathematics (Contextual Approach) Class XII of Business and Management Vocational High School, 2021</li> <li>• Dilemma-STEM Learning Toolkit for Quadratic Function Material, 2021</li> <li>• Dilemma-STEM Learning Toolkit for Transformation Material, 2021</li> <li>• Learning videos on Linear Equation of One Variable and Linear Inequality of One Variable, 2021</li> </ul>



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	<ul style="list-style-type: none"><li>• Learning Devices Titled Creation of Teaching Materials and Worksheets Relations and Functions Based on a Realistic Approach Assisted by Geogebra for Grade VIII Students, 2021</li><li>• Mathematics Module with a Contextual Approach to Linear Program Material, 2022</li><li>• Daily Pythagoras, 2022</li></ul>
<b>Important Publication Over The Last 5 Years</b>	<ul style="list-style-type: none"><li>• Pengembangan Video Pembelajaran Matematika dengan Pendekatan Kontekstual pada Materi Persamaan dan Pertidaksamaan Linear Satu Variabel (<i>Development of a Mathematics Learning Video with a Contextual Approach to the Material of One Variable Linear Equations and Inequalities</i>), 2021 (<a href="https://j-cup.org/index.php/cendekia/article/view/631">https://j-cup.org/index.php/cendekia/article/view/631</a>)</li><li>• An Error Analysis of Students Difficulties in Differential Calculus, 2021 (http://e-journal.ivet.ac.id/index.php/matematika/article/view/1433)</li></ul>



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- The Development of Euclid Geometry's Teaching Materials Based on KKNi to Improve Students Cognition Analysis and Deductive Reasoning Abilities, 2021  
(<http://e-journal.ivet.ac.id/index.php/matematika/article/view/1439>)
- Pengembangan Aplikasi Pembelajaran Matematika Berbasis Android Dengan Pendekatan Kontekstual Pada Materi Persamaan Garis Lurus Untuk Peserta Didik Kelas VIII (*Development of Android-Based Mathematics Learning Applications with a Contextual Approach to Straight Line Equations Material for Grade VIII Students*), 2021  
(<https://j-cup.org/index.php/cendekia/article/view/535>)
- Analysis of Students' Misconceptions on Solving Algebraic Contextual Problem, 2021  
(<https://ejurnal.kpmunj.org/index.php/risenologi/article/view/165>)
- Pengembangan Video Pembelajaran Matematika dengan Pendekatan Kontekstual pada Materi Persamaan dan Pertidaksamaan Linear Satu Variabel (*Development of a Mathematics Learning Video with a Contextual Approach to the Material of One Variable Linear Equations and Inequalities*), 2021  
(<https://j-cup.org/index.php/cendekia/article/view/631>)
- The Effect of the ICARE Learning Model in Distance Learning on the Mathematical Problem Solving Ability of SMK Negeri 2 Karawang Students, 2021 (<http://e-journal.ivet.ac.id/index.php/matematika/article/view/1706>)
- Giving an Individual Tutoring for 8th Grade Student in the Errors of Solving the Problem of Essay Test for Comparative Material in SMPN 232 Jakarta, 2022 (<http://e-journal.ivet.ac.id/index.php/matematika/article/view/1946>)
- Comparison of Mathematical Learning Capabilities Among Students Using the Reciprocal Teaching and Problem Posing Model, 2022 (View of Comparison of Mathematical Learning Capabilities Among Students Using the Reciprocal Teaching and Problem Posing Model ([unj.ac.id](http://unj.ac.id)))
- Pengembangan Multimedia Interaktif Berbasis Android dengan Pendekatan Kontekstual pada Materi Persamaan Linear Dua Variabel (*Development of Android-Based Interactive Multimedia with a Contextual Approach to the Material of Linear Equations of Two Variables*), 2022 ([www.unj.ac.id](http://www.unj.ac.id))
- Pengembangan Buku Ajar Matematika dengan Pendekatan Kontekstual pada Materi Integral untuk Siswa SMK Bisnis dan Manajemen (*Development of a Mathematics Textbook with a*



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	<p><i>Contextual Approach on Integral Material for Business and Management Vocational High School Students</i>), 2022</p> <ul style="list-style-type: none"><li>• Pengembangan Modul Matematika dengan Pendekatan Kontekstual pada Materi Program Linear untuk Siswa Kelas XI SMA (<i>Development of a Mathematical Module with a Contextual Approach to Linear Program Material for Class XI High School Students</i>), 2022</li></ul>									
<b>Activities in Specialist Bodies Over The Last 5 Years</b>	<table border="1"><thead><tr><th>Organization</th><th>Role</th><th>Period</th></tr></thead><tbody><tr><td>Indonesian Mathematical Association  (Himpunan Matematika Indonesia - IndoMS)</td><td>Member</td><td>2020-2022</td></tr><tr><td>Indonesia Mathematics Educators Society I-MES</td><td>Member</td><td>2021-2022</td></tr></tbody></table>	Organization	Role	Period	Indonesian Mathematical Association  (Himpunan Matematika Indonesia - IndoMS)	Member	2020-2022	Indonesia Mathematics Educators Society I-MES	Member	2021-2022
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