



**KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
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FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM**
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Name	Dr. Ellis Salsabila, M.Si.
Position	Lecturer in Mathematics Education
Education Background	<ul style="list-style-type: none">• Doctor's Degree, Penelitian dan Evaluasi Pendidikan, Universitas Negeri Jakarta, 2012-2020• Master's Degree, Mathematics, Institut Teknologi Bandung, 1994-1997• Bachelor's Degree, Mathematics Education, IKIP Jakarta, 1985-1990
Employment	Lecturer, Undergraduate Program in Mathematics Education– Faculty of Mathematics and Natural Sciences, Universitas Negeri Jakarta, 1991-now
Research and Development project over the last 5 years	<ul style="list-style-type: none">• The Effect of Understanding Prerequisite Concepts and Mathematical Communication Ability on the Mathematical Proving Ability of Mathematics Education Students at Faculty of Mathematics and Science Universitas Negeri Jakarta, 2018• Analysis of Mathematical Literacy Ability in View of Student Metacognition on the Topic of Cone Slice, 2019• The Effect of Authentic Learning and Assessment Strategies on Students' Mathematical Proofing Ability by Controlling Understanding of Concept Prerequisites, 2020• The Influence of Conceptual Understanding and Mathematical Reasoning Ability on Mathematical Literacy Ability, 2020• Development of E-Tracer Study at FMIPA, Universitas Negeri Jakarta, 2021



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	<ul style="list-style-type: none"> • Spiral Model in Digital Copy Collatione Application Development, 2022 • Performance Comparison Study of Support Vector Machine Based Methods in Handling Unbalanced Class Classification, 2022
Industry Collaboration/ Community Service Over The Last 5 Years	<ul style="list-style-type: none"> • Training on Improving the Quality of Mathematics Learning through the Application of Indonesian Realistic Mathematics Education in Lesson Study Activities for Junior High School Teachers in Bekasi District, 2018 • Improving the Quality of Learning Mathematics Through the Implementation of Realistic Indonesian Mathematics Education in Lesson Study Activities for Junior High School Teachers in Depok City, 2019 • Training on Improving the Quality of Teaching Mathematics Teachers with the Application of Realistic Mathematics Education in Lesson Study in Mathematics Learning at Junior High Schools in Bogor Regency, 2020 • Training on Competency Improvement for Junior High School Mathematics Teachers in Bogor District, West Java in Conducting Effective Evaluation of Learning during Distance Learning, 2021 • Teacher Capacity Building Training in Conducting Effective Evaluation of Distance Learning at the Mathematics MGMP Madrasah Aliyah DKI Jakarta, 2022 • Application of Statistical Analysis in Classroom Action Research for Mathematics Teachers at Madrasah Aliyah in DKI Jakarta (Collaboration with MGMP Madrasah Aliyah Matematika Provinsi DKI Jakarta, 2022)
Patents and Proprietary Rights	<ul style="list-style-type: none"> • Computer Program for Computer Assisted Essay Tests, 2018 • Paper: <i>Influence of Prerequisite Concepts Understanding and Mathematical Communication Skills Toward Student's Mathematical Proving Ability</i>, 2019 • Paper: <i>The Effect of Authentic Learning and Assessment Strategies on Students' Mathematical Proving Ability by Controlling Understanding of Concept Prerequisites</i>, 2020 • Module, HOTS-Based Digital LKPD (Student Worksheets) on Three Dimensional Material for Class XII of High School Students, 2021 • Computer Program: E-Tracer Study (Addon SILUNI), 2021 • Training Videos for Learning Evaluation, 2022 • Learning Video: Recognizing Algebraic Forms, 2022 • Learning Video: Algebraic Addition and Subtraction Operations, 2022 • Learning Video: Algebraic Multiplication Operations, 2022 • Learning Video: Algebraic Division Operations, 2022



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Important Publication Over The Last 5 Years	<ul style="list-style-type: none"> • Computer Program: <i>Copy Collatione</i> Digital Application, 2022 • Training Video: Improving Teachers' Capability in Conducting Effective Evaluation of Distance Learning, 2022
	<ul style="list-style-type: none"> • Pengaruh Pendekatan Pendidikan Matematika Realistik dengan Menerapkan Model Pembelajaran Visual, Auditory, Kinesthetic terhadap Kemampuan Pemahaman Konsep Trigonometri Siswa SMA Perguruan Rakyat 3 Jakarta (<i>The Influence of a Realistic Mathematics Education Approach by Applying Visual, Auditory, Kinesthetic Learning Models on the Ability to Understand Trigonometry Concepts of SMA Perguruan Rakyat 3 Jakarta</i>) (JRPMS Vol. 2 No 1 August 2018 E-ISSN : 2621-4296) • Pengaruh Model Pembelajaran Kooperatif Tipe Probing Prompting Berbantuan LKS Terstruktur Terhadap Kemampuan Pemecahan Masalah Matematis Siswa SMA Negeri 31 Jakarta (<i>The Influence of the Cooperative Learning Model of Probing Prompting Type Assisted by Structured Work Sheets on the Mathematical Problem Solving Ability of Students of SMA Negeri 31 Jakarta</i>) (JRPMS Vol. 3 No 2 September 2019 E-ISSN : 2621-4296) • <i>Influence of Prerequisite Concepts Understanding and Mathematical Communication Skills Toward Student's Mathematical Proving Ability</i> (Pythagoras Vol. 14 No 1 2019 E-ISSN: 2527-421X) • <i>Analysis of Mathematical Literacy on Students' Metacognition in Conic Section Material</i> (IOP Publishing, Journal of Physics: Conference Series, 1417(2019)012057, doi: 10.1088/1742.6596/1417/012057) • Upaya Meningkatkan Kemampuan Komunikasi Matematis Siswa Klas VIII.4 SMPN 182 Jakarta pada Materi Teorema Phytagoras Menggunakan Model Pembelajaran Tipe <i>Think Talk Write</i> (<i>The efforts to Improve Mathematical Communication Skills of Class VIII.4 Students of SMPN 182 Jakarta on the Pythagorean Theorem Material Using the Think Talk Write Type Learning Model</i>) (JRPMS Vol. 4 No 2 November 2020 E-ISSN : 2621-4296) • <i>Performance Assesment to Measure Student's Mathematical Proving Ability Based on Abductive-Deductive Approach</i> (Proceeding IC-HEdS 2019, KnE Social Sciences, Volume 2020)



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- *A Comparison Between Generative Learning and Conventional Learning Model on Students' Mathematical Literacy in the 21st Century* (Proceeding Conference, MSCEIS 2019, doi: 10.4108/eai.12-10-2019.2296539)
- Meningkatkan Kemampuan Pemecahan Masalah Matematis pada Materi Lingkaran Melalui Model Pembelajaran *Means End Analysis (MEA)* pada Peserta Didik Kelas VIIIA SMPN 7 Jakarta Timur (*Improving Mathematical Problem Solving Ability in Circle Material Through the Means End Analysis Learning Model for Class VIIIA Students at SMPN 7 Jakarta Tinur*) (JRPMS Vol. 4 No 1 March 2020 E-ISSN : 2621-4296)
- Pengaruh Model Pembelajaran *Creative Problem Solving* dengan Teknik *Scaffolding* Terhadap Kemampuan Pemecahan Masalah Matematis Siswa SMAN 12 Jakarta (*The Influence of Creative Problem Solving Learning Model with Scaffolding Technique on Mathematical Problem Solving Ability of Students of SMAN 12 Jakarta*) (JRPMS Vol. 4 No 1 March 2020 E-ISSN : 2621-4296)
- *Influence of Learning Strategy and Authentic Assessment Toward Students' Mathematical Proving Ability by Controlling Prerequisite Concepts Understanding* (IOP Publishing, Journal of Physics: Conference Series, SMIC 2020, 2 April 2021 doi.org/10.1063/5.0041723).
- *Effect of Mathematical Concepts Understanding and Mathematical Reasoning on Mathematical Literacy Abilities* (Proceeding Conference, MISEIC 2019, Oktober 2020)
- 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*) (Jurnal Cendekia: Jurnal Pendidikan Matematika. Vol. 05 No. 01 March 2021 E-ISSN: 2579-9258)
- Pengaruh Model Pembelajaran *Missouri Mathematics Project* dan *Self Efficacy* Terhadap Kemampuan Berpikir Kritis Siswa (*The Influence of the Missouri Mathematics Project Learning Model and Self Efficacy on Students' Critical Thinking Ability*) (JRPMS Vol. 5 No 1, 2021 E-ISSN : 2621-4296)



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- Analisis Kemampuan Berpikir Reflektif Matematis Pada Bentuk Aljabar Ditinjau Perbedaan Gender (*Analysis of Mathematical Reflective Thinking Ability in Algebraic Forms in View of Gender Differences*)
(Jurnal Kajian Pendidikan Matematika (JKPM), 30-06-2021, E-ISSN: 2477-2682)
- Pengaruh Kemampuan Resiliensi dan Minat Belajar di Tengah Pandemi Covid-19 Terhadap Kemampuan Pemahaman Konsep Matematis Siswa SMA Islam Al-Azhar Kelapa Gading Jakarta (*The Influence of Resilience Ability and Interest in Learning in the Middle of the Covid-19 Pandemic on the Ability to Understand Mathematical Concepts of Al-Azhar Islamic High School Kelapa Gading Jakarta Students*)
(JRPMS Vol. 6 No 1, 2022 E-ISSN : 2621-4296)
- Pengembangan Media Pembelajaran Interaktif Berbasis Android dengan Model Discovery Learning Pada Materi Teorema Pythagoras Kelas VIII SMPN 20 Jakarta (*Development of Android-Based Interactive Learning Media with the Discovery Learning Model on Pythagorean Theorem Material at SMPN 20 Jakarta*)
(JRPMS Vol. 6 No 2, 2022 E-ISSN : 2621-4296)
- Pengaruh Model Pembelajaran Kooperatif Tipe Jigsaw Terhadap Kemampuan Komunikasi Matematis Ditinjau dari *Self Esteem* Siswa dalam Pembelajaran Matematika di SMPN 6 Kota Bekasi (*The Effect of the Jigsaw Cooperative Learning Model on Mathematical Communication Ability in View of Students' Self Esteem in Mathematics Learning at SMPN 6 Kota Bekasi*)
(JRPMS Vol. 6 No 2, 2022 E-ISSN : 2621-4296)
- TPACK dalam Pembelajaran Matematika *Online* di Masa Pandemi (*TPACK in Online Mathematics Learning in the Pandemic Period*)
(Proximal, Jurnal Penelitian Matematika dan Pendidikan Matematika Vol. 5 No. 1 February 2022 E-ISSN: 2615-7667)
- Pengembangan Video Pembelajaran Bentuk Aljabar Dengan Pendekatan *Metaphorical Thinking* (*Development of Learning Videos in Algebraic Forms with a Metaphorical Thinking Approach*)
(Aksioma Vol. 11 No 2, 2022 E-ISSN: 2442-5419)



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Activities in Specialist Bodies Over The Last 5 Years	Organization	Role	Period
	Himpunan Matematika Indonesia (IndoMS)	Member	2020-2022
	Himpunan Evaluasi Pendidikan Indonesia (HEPI)	Committee	2021-2024