



**KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS NEGERI JAKARTA
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM**
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Academic Career	<ul style="list-style-type: none">• Master's Degree, Mathematics, Institut Teknologi Bandung, 1991-1994• Bachelor's Degree, Mathematics Education, IKIP Jakarta, 1983-1988
Employment	<ul style="list-style-type: none">• Lecturer, Undergraduate Program in Mathematics Education–Faculty of Mathematics and Natural Sciences, Universitas Negeri Jakarta, 1989-now
Research and Development project over the last 5 years	<ul style="list-style-type: none">• Validating An Indonesian Version Of The What Is Happening In This Class? (WIHIC) Questionnaire Using a Multidimensional Rasch Model. International Journal Of Instruction. 2019• A Rasch and Factor Analysis Of An Indonesian Version Of The Student Perception Of Opportunity Competence Development (SPOCD) Questionnaire. 2019• Development And Validation Of Online Classroom Learning Environment Inventory (OCLEI): The Case Of Indonesia During The COVID-19 Pandemic. 2020• Metacognitive Skills Assessment in a Research Proposal Writing (MSARPW) in an Indonesian university context: Scale development and validation using multidimensional item response models. 2022• Buku Desain Eksperimen Untuk Bidang Pendidikan. 2022. " ISBN : 978-623-468-089-8



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Industry Collaboration/ Community Service Over The Last 5 Years	<ul style="list-style-type: none"> • Regent of Cianjur and Head of Bobojong Village, Mande Cianjur District in Implementation of P2M Numerical Literacy for Elementary School Teachers, tahun 2022-2024 • Region 5 Coordinator of Cilincing District in the Implementation of P2M Classroom Action Training for Teachers in 2021 • KKG Karawang Region in the Implementation of P2M Assessment Training for Madrasah Teachers in 2018 • MGMP for the Depok Region in the 2017 - 2018 P2M Implementation
Patents and Proprietary Rights	<ul style="list-style-type: none"> • Instruments of Technological Pedagogical Content Knowledge (TPACK) for School Teachers in Mathematics. Year 2022 • Handbook of Student Metacognitive Instruments • Final Project Writing. Year 2022 • Guidelines for Using Student Learning Independence Instruments in Online-Based Mathematics Learning. 2021 • AKM Literacy Question Bank. Year 2021 • Mr. Algebra. Year 2021 • Guidelines for Using Student Learning Independence Instruments in Online-Based Mathematics Learning. Year 2021 • Guidebook for Using Learning Style Instruments in Online Learning. 2020 year • SPLDV Module. 2020 year • Module Development of the HOT-Based Technological Pedagogical Content Knowledge (TPACK) Self Assessment Instrument for Prospective Mathematics Teachers. 2020 year
Important Publication Over The Last 5 Years	<ul style="list-style-type: none"> • Indonesian-Language Version Of General Self-Efficacy Scale-12 Using Bayesian Confirmatory Factor Analysis: A Construct Validity Testing. Jurnal Penelitian dan Evaluasi Pendidikan, Volume 23, No 1, June 2019 (12-25) • Equatng Method For Prevent Discriminan In Classroom. Journal Of Educational Science And Technology, Vol. 12 No. 2 (2019) • Kemampuan Koneksi Matematis Peserta Didik Ditinjau Dari Bentuk Tes Dan Disposisi Matematis [<i>Students' Mathematical Connection Ability in terms of Test Forms and Mathematical Dispositions</i>]. Jurnal Penelitian dan Pembelajaran, Vol. 12 No. 2 (2019) • A Rasch Model Measurement Analysis On Science Literacy Test Of Indonesian Students: Smart Way To Improve The Learning Assessment. Indonesian Journal Of Educational Review (IJER), Vol. 6, No. 1, Oktober, 2019



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- A Rasch And Factor Analysis Of An Indonesian Version Of The Student Perception Of Opportunity Competence Development (SPOCD) Questionnaire. *Cogent Education*, Vol. 7, No. 1, January, 2020
- Development And Validation Of Online Classroom Learning Environment Inventory (OCLEI): The Case Of Indonesia During The COVID-19 Pandemic. *Jurnal Learning Environments Research*. 4 March 2021
- Validating An Indonesian Version Of The What Is Happening In This Class?(WIHIC) Questionnaire Using A Multidimensional Rasch Model. *International Journal Of Instruction*. April 2021, Vol.14, No.2
- Development And Validation Technological Pedagogical Content Knowledge (TPACK) Instrument For Teacher Mathematics In Elementary school. *International Journal Of Multicultural And Multireligious Understanding*, Vol 8 No. 8 (2021)
- Analysis Of The Characteristics Of HOTS-Based Assessment For Learning Items Using The Rasch Model. *Review Of International Geographical Education Online*, 11 (5), 2511-2525. 2021
- The Effectiveness Of Mathematics E-Modules With A Contextual Approach On Geometry Matters To Improving Students' Learning Outcomes. *Jurnal Pendidikan Indonesia*, 10 (2), 362-369. 2021
- The Impact Of Self Efficacy Beliefs And Work Motivation On The Quality of Mathematics Test Instruments By Elementary School Teachers. *AIP Conference Proceedings* 2331 (1), 020028
- Influence Of Learning Strategy And Authentic Assessment Toward Students' Mathematical Proving Ability By Controlling Prerequisite Concepts Understanding. *AIP Conference Proceedings* 2331 (1), 020007
- Pengembangan Instrumen Self Assessment Technological Pedagogical Content Knowledge (TPACK) Calon Guru Matematika Berbasis Hots [*Development of Self Assessment Technological Pedagogical Content Knowledge (TPACK) Instruments for Prospective Hots-Based Mathematics Teachers*]. *Teorema: Teori Dan Riset Matematika*, 6 (1), 59-68. 2021
- Assessment Of The Validity And Reliability Of Mental Health Instruments Of High School Student In Indonesia. *European Journal Of Educational Research*, 10 (2), 729-742. 2021
- Pengaruh Kecerdasan Logis Matematis Dan Kemandirian Belajar Terhadap Kemampuan Pemahaman Konsep



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Matematis Siswa Dalam Pembelajaran Berbasis Daring [*The Effect of Mathematical Logical Intelligence and Learning Independence on Students' Ability to Understand Mathematical Concepts in Online-Based Learning*]. Jurnal Pendidikan Matematika Universitas Lampung. Vol. 9 (4), 491-500. 2021

- Pengaruh Model Inquiry Based Learning Secara Daring Terhadap Kemampuan Numerasi Ditinjau Dari Locus Of Control [*The Influence of Online Inquiry Based Learning Models on Numerical Ability in View of Locus Of Control*]. Aksioma: Jurnal Program Studi Pendidikan Matematika 11 (3), 1775-1788, 2022
- Pengembangan Kemampuan Self-Regulation Guru Untuk Menghasilkan Lembar Kerja Siswa (LKS) Matematika Secara Kreatif [*Development of Teacher Self-Regulation Capabilities to Produce Creative Mathematical Student Worksheets (LKS)*]. Jurnal Pengabdian Kepada Masyarakat Nusantara, 3 (1), 117-124. 2022
- The Effect On Critical Thinking And Learning Attitude Against Students' Mathematics Achievement Motivation. Current Research In Language, Literature And Education, Vol. 7, 142-153. 2022
- Content Validation Through Expert Judgement Of An Instrument On The Self-Assessment Of Mathematics Education Student Competency. International Journal Of Multicultural And Multireligious Understanding, Vol 9, No 3 (2022)
- The Effects Of Odd Or Even Number Of Options On The Variance Of Item Validity In Environmental Personality (Big-Five Personality). International Journal of Science And Society, 4 (1), 90-96. 2022
- Pelatihan Pengembangan Instrumen Penilaian Numerasi Untuk Peningkatan Kompetensi Guru Matematika SMP [*Training on the Development of Numerical Assessment Instruments to Improve the Competence of Junior High School Mathematics Teachers*]. Jurnal Sarwahita, 19 (01), 54-64.2022



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Activities in Specialist Bodies Over The Last 5 Years	Organization	Role	Period
	Himpunan Matematika Indonesia [<i>Indonesian Mathematical Association</i>] (IndoMS)	Member	
Himpunan Evaluasi Pendidikan Indonesia [<i>Indonesian Education Evaluation Association</i>]	HEPI Jabodetabek		2017 - 2021
	UKD Secretary; Advisory Board for UKD HEPI Jabodetabek		2021 - 2024