



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS NEGERI JAKARTA
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
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STAFF HANDBOOK

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Name	Dr. Lukman El Hakim, M.Pd.
Position	Lecturer in Mathematics Education
Academic Career	<ul style="list-style-type: none">• Doctor's Degree, Mathematics Education, UNESA, 2007-2013• Master's Degree, Mathematics Education, UNESA, 1998-2003• Bachelor's Degree, Mathematics Education, IKIP Surabaya, 1992-1997
Employment	<ul style="list-style-type: none">• Lecturer, Undergraduate Program in Mathematics Education-Faculty of Mathematics and Natural Sciences, Universitas Negeri Jakarta, 2006-now
Research and Development project over the last 5 years	<ul style="list-style-type: none">• The effect of scaffolding techniques on the ability of student's reasoning ability and mathematics anxiety reviewed from gender, 2018• Effect of connecting, organizing, reflecting, and extending (core) instruction model by work card toward students' mathematical problem-solving skill, 2019• Problem-based and thinking talk write learning model, mathematical reasoning, and transformation geometry, 2020• The Effectiveness of Mathematics E-Modules with a Contextual Approach on Geometry Matters to Improving Students' Learning Outcomes, 2021• Designing Blended Learning System with Realistic Mathematic Education for Vocational High School Students, 2022



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Industry Collaboration/Community Service Over The Last 5 Years	<ul style="list-style-type: none"> • Improving the Quality of Elementary Mathematics Teachers Through Classroom Action Research Training in Cileungsi District, Bogor Regency, West Java Province, 2018 • Improvement of Elementary Mathematics Teachers Through Classroom Action Research Training in Depok City, West Java Province, 2019 • Training on Making Mathematical Teaching Aids to Improve the Competence of Elementary School Teachers in Kab. Bogor West Java Province, 2020 • Training on Finding the Roots of Polynomial Equations with the Help of Microsoft Excel and Research Data Processing with the Smartpls Software for High School / MA Mathematics Teachers in DKI Jakarta, 2021 • Improving the Quality of Mathematics Teachers through Training on the Implementation of Case-Based Learning (CBL) in Learning in Greater Jakarta, 2022
Patents and Proprietary Rights	<ul style="list-style-type: none"> • Guidelines for Using Student Learning Independence Instruments in Online-Based Mathematics Learning, EC00202172163, 1 Desember 2021 • A Mathematical Modelling Activity, EC00202267063, 21 September 2022
Important Publication Over The Last 5 Years	<ul style="list-style-type: none"> • The effect of scaffolding techniques on the ability of student's reasoning ability and mathematics anxiety reviewed from gender, 2018 (https://www.academia.edu/76270566/The_effect_of_scaffolding_techniques_on_the_ability_of_students_reasoning_ability_and_mathematics_anxiety_reviewed_from_gender) • Effect of connecting, organizing, reflecting, and extending (core) instruction model by work card toward students' mathematical problem-solving skill, 2019 (https://www.semanticscholar.org/paper/The-effect-of-connecting%2C-organizing%2C-reflecting%2C-Larasati-Hakim/16422c18e1e8f2ffce009fe5da0aefd1d1a17e0) • Problem-based and thinking talk write learning model, mathematical reasoning, and transformation geometry, 2020 (DOI: 10.1088/1742-6596/1663/1/012047) • The Effectiveness of Mathematics E-Modules with a Contextual Approach on Geometry Matters to Improving Students' Learning Outcomes, 2021 (DOI: https://doi.org/10.23887/jpi-undiksha.v10i2.33530) • Designing Blended Learning System with Realistic Mathematic Education for Vocational High School Students, 2022 (DOI: 10.35445/alishlah.v14i4.2120)



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**Activities in
Specialist Bodies
Over The Last 5
Years**

Organization	Role	Period
Himpunan Matematika Indonesia (IndoMS) <i>[Indonesian Mathematical Association]</i>	Member	2020-2022