

LENI RUMIYANTI

Physics Lecturer of University of Lampung



CONTACT

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PROFILE

I am a civil servant who has a high enthusiasm for learning, do not give up easily when faced with challenges, and do my best for implementation of Tri Darma of Higher Education, i.e., teaching, research, and community service.

SKILL

- Blended Learning
- Flipped Classroom
- Apowersoft Streaming Audio
- Canva
- Quizizz
- ISpring
- Articulate Storyline
- Moodle
- Prezi

ACHIEVEMENTS

- 2020: 1st Winner** of Distance Learning Competition
- 2020: 1st Winner** of Digital Module Development Competition
- 2020: 2nd Winner** of Semester Learning Plan Competition
- 2020: Awardee** of Achievement in the implementation of the Tri Darma of Higher Education (Research)
- 2020: Awardee** of Achievement in the implementation of the Tri Darma of Higher Education (Community Service)
- 2020: Awardee** of Achievement as a Jury of the Anniversary Faculty of Mathematics and Natural Sciences, University of Lampung

FORMAL EDUCATION



University of Gadjah Mada

- Master of Physics (2012-2014)
- Cum Laude (3.78 from 4)
- The Awardee of Excellent Scholarships of the Ministry of Education and Culture
- 1 Year 11 Month



University of Lampung

- Bachelor of Physics Education (2006-2010)
- Magna Cum Laude (3.50 from 4)
- The awardee of BBM Scholarships (Student Learning Assistance)
- The awardee of Supersemar Scholarships
- The Fastest graduate in the class
- 3 Year 9 Month

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COMMUNITY SERVICE

- **2020:** Improving Teacher Professional Competency In SMAN 1 & MTs 1 Way Bungur Through Apowersoft Learning Video Making Training Audio Streaming In Implementing Flipped Classroom
- **2020:** Online Game-Based Exam Problem Making Training (Quizizz) In Applying Blended Learning To Improve Teacher Professional Competence In SMAN 1 & MTs 1 Way Bungur
- **2019:** Professional Competence Improvement Of SMAN 1 Way Bungur Teachers In East Lampung Regency Through Scientific Writing Training In Instilling Scientific Approach Concept
- **2018:** Counseling the Use of Electricity Efficiently and Alternative Electricity Sources In Farmer Group Harapan Kita Rajabasa Jaya District Rajabasa Bandar City
- **2017:** Making Household Lights Using Light-emitting diodes (LEDs) in Margosari Village, North Pagelaran District, Pringsewu Regency
- **2016:** Improvement of Competence and Creativity of Elementary School Teachers in Padang Cermin Subdistrict of Lampung Province Through Training in Making Simple Used Goods-Based Demonstration Tools in Instilling Thematic Concepts of Science Science Character"

ORGANIZATION

- **2016-present:** Treasurer of Physical Society of Indonesia in Branch of Lampung
- **2015-present:** Members of the Indonesian Education Evaluation Association



RESEARCH

- **2020:** Synthesis And Characterization of Mesoporous Silica Nanoparticles Based on Rice Husks As The Basis of Smart Corrosion Inhibitors
- **2019:** Analysis Of The Effect Of Corrosion Inhibitor Concentration Of Soursop Leaf Extract (*Annona muricata* Linn) On Carbon Steel AISI 1020
- **2018:** Effectiveness of Soursop Leaf Extract (*Annona muricata*) As Inhibitor On Steel Plate In Corrosive Medium
- **2018:** Basic Study Of Forsterite Ceramic Formation (Mg_2SiO_4) Based On Silica Rice Husks With Sol-Gel Technique In Efforts To Develop High-Temperature Materials
- **2017:** Synthesis of Superconductor Material Bi-2212 With Doping Pb At Ca Level 1.10
- **2016:** Yield Analysis and Phytochemical Screening of the Leaf Extract of *Sansevieria trifasciata* and *Sansevieria*

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SPEAKERS OF TRAINING

Department of Physics, University of Lampung

- **2020:** Training of Making Online Game-Based Question (Quizizz) in implementing Blended Learning
- **2020:** Training of Creation Learning Video-Based Apowersoft Streaming Audio in implementing Flipped Classroom
- **2019:** Training of Scientific Writing in implementing Scientific Approach Concept

PRESENTER OF SEMINAR

- **2020:** The 3rd International Conference on Applied Sciences, Mathematics, and Informatics
- **2019:** The 9th International Conference on Theoretical And Applied Physics
- **2018:** The 2nd International Conference on Applied Sciences, Mathematics, and Informatics
- **2016:** Seminars and Annual Meetings of the State Higher Education Cooperation Agency of Western Indonesia Region

SPEAKERS OF WORKSHOP

Institute for Learning Development and Quality Assurance, University of Lampung

- **2020:** Workshop on Online Learning Systems
- **2020:** Workshop on Increasing the Competence of Lecturers in Developing Online Learning Content Batch 1
- **2020:** Workshop on Increasing the Competence of Lecturers in Developing Online Learning Content Batch 2
- **2020:** Workshop on Using Support System Application for Online Learning Batch 1
- **2020:** Workshop on Using Support System Application for Online Learning Batch 2

Faculty of Mathematics and Natural Sciences, University of Lampung

- **2020:** Webinar on Cultural Litigants of Student Affairs Programs between Universities
- **2020:** Scientific Tourism Works to XXXI
- **2018:** Scientific Tourism Works to XXIX

Postgraduate Study Program, University of Lampung

- **2020:** Workshop on Distance Learning

University of Muhammadiyah Lampung

- **2020:** Workshop on Online Learning Systems

Department of Physics, University of Lampung

- **2019:** Workshop of E-Learning Based on Virtual Class
- **2019:** Workshop of the Writing of Mendeley, Template of Journal Theory & Physics Application, and Registration of Open Journal System

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PUBLICATION

Journal of Physics: Conference Series

- **2021:** Sintering temperature effect on optical properties of zinc oxide thin film on glass substrate prepared by a sol-gel spin coating method **(1751 (2021) 012068)**
- **2021:** Structure analysis of electromagnetic waves absorbing material a lanthanum manganite system of $(La_{0.8}Ba_{0.2})(Mn_{1-x}/2Zn_xFe_{(1-x)/2})O_3$ **(1751 (2021) 012069)**
- **2021:** Measurement of Physical Parameters of Water Quality in Real-Time Based on Arduino **(1751 (2021) 012067)**
- **2020:** Optimization of using Baturaja fly ash as a Portland Composite Cement (PCC) additive **(1572 (1), 012047)**
- **2019:** The Deposition of Silver (Ag) on a Glass Substrate (SiO_2) using Direct Current Sputtering Method **(1338 (1), 012016)**

Journal of the Australian Ceramic Society

- **2019:** Effect of sintering temperature on the structural and physical properties of forsterite using amorphous rice husk silica as refractory precursors **(56 (2), 433-440)**

Journal of Applied Agriculture Research

- **2017:** Rendemen and Phytochemical Screening on Sansevieria Leaf Extract sp. **(17 (3), 197-202)**

Spectra: Journal of Physics and Its Application

- **2019:** Optimization Of The Use Of Fly Ash As An Additive Portland Composite Cement (PCC) **(4 (2), 61-72)**
- **2018:** Analysis Of Proximate On The Charcoal Bricket Agricultural Waste **(3 (1), 15-22)**



PUBLICATION

Journal of Theory and Application of Physics

- **2020:** Synthesis of Superconductor $Bi_{1-x}Pb_x$, $4Sr_2Ca_2Cu_3O_{10+x}$ for Meissner Test Demonstration Using Solid Reaction Method **(8 (2), 93-98)**
- **2019:** Effect of Temperature on Characterization of Cement Clinker with Substitution of 20% Basalt Stone on Limestone Mass and 20% Coal on Total Mass as Reductor **(7 (1), 29-34)**
- **2019:** Phytochemical Screening of Soursoop Leaf Extract (*Annona muricata*) And Its Effect On Carbon Steel Corrosion Rate ST 37 **(7 (1), 1-6)**
- **2016:** De Sitter's Symmetrical Space-Time Singularity in General Relativity **(4 (1), 115-118)**

SYMMETRY, Indonesian Journal of Physical Sciences

- **2016:** Kerr and Kerr-Newman's Symmetrical Space-Time Singularity in General Theory of Relativity **(2 (3), 2314-81)**

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WORK EXPERIENCE

University of Lampung

- **2015-present:** Lecturer in the Department of Physics, Faculty of Mathematics and Natural Sciences
- **2014-2015:** Lecturer in Physics Education, Faculty of Teacher Training and Education

Open University

- **2020-present:** Corrector in Assignment and Examination, Faculty of Teacher Training and Education
- **2015-2016:** Tutor in Science Education, Faculty of Teacher Training and Education
- **2016-2019:** Corrector in Classroom Action Research, Faculty of Teacher Training and Education

SMA Yayasan Pembina Unila

- **2010-2012:** Teacher in Physics

PROJECT

- **2020:** Team of Student Talent Interest for Film
- **2020:** Training of Student Creativity program
- **2020:** Training of Competency Improvement Labor
- **2020:** Guest Lecture "Sharing Experience: Scholarship Hunter, Study In China"
- **2020:** Management Team of Journal of Theory and Physics Application
- **2020:** Team Development of Free Campus Curriculum Learning
- **2020:** Guest Lecture "Learning Physics: What To Do"
- **2020:** Competency Test for Physics Students
- **2020:** Scholarship Selection of Physics Students
- **2020:** Implementing Team of Campus Life Introduction Program for New Students
- **2020:** Supervising Lecturer of Student Creativity Program Proposal
- **2020:** Managing Team of Website Journal of Energy, Materials, Instrumentation, and Technology
- **2020:** Management Team of Journal of Energy, Materials, Instrumentation, and Technology
- **2020:** Managing Team of Website Department of Physics
- **2020:** Managing Team of Website Journal of Theory and Physics Application
- **2019:** Preparation Team 3B Forms (Institutional Forms) Re-Accreditation of Mathematics Study Program (Undergraduate)
- **2019:** Task Force Field Assessment Accreditation of Physics Study Program (Undergraduate)
- **2018:** Development Team of Re-Accreditation Self-Evaluation of Physics Study Program (Undergraduate)
- **2019:** Document Control Team of Physics Department
- **2019:** Preparation Team 3B Forms (Institutional Forms) Re-Accreditation of Chemistry Study Program (Postgraduate)
- **2019:** Preparation Team of Form 3A (Study Program Form) for Physics Study Program (Undergraduate)

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OFFICE EXPERIENCE

University of Lampung

- **2020-present** : Committee of online learning system

Faculty of Mathematics and Natural Sciences, University of Lampung

- **2020-Present**: Committee of The Olympics of Science, Mathematics, and Computer (OSAMAKOM) for senior school in Lampung
- **2018-2019**: Committee of Faculty Quality Assurance Team
- **2018**: Secretary of The 2nd International Conference on Applied Science Mathematics And Informatics
- **2018**: Coordinator of Personality Test of the Ministry of Education and Culture
- **2017**: Committee of the Basic Science Development Team
- **2016**: Committee of the National Seminar on Science, Mathematics, Informatics, and Its Applications

The Department of Physics, University of Lampung

- **2018-Present**: Journal Manager of Journal of Theory and Application of Physics
- **2020-Present**: Editor of Journal of Energy, Materials, Instrumentation, and Technology
- **2020**: Head of Website of Journal of Energy, Materials, Instrumentation, and Technology
- **2019**: Head of Website of Journal of Theory and Application of Physics
- **2019**: Head of Website of Physics Department



WORKSHOP EXPERIENCE

2020

- Seminar on the Results of Community Service
- Webinar On Publishing Strategies In Q1 Journal with All Our Limitations
- Webinar Series On Silica-Based Rock Potential For Material Development

2019

- Workshop of X-Ray Diffraction
- Workshop of Mentoring and Acceleration of Accreditation of Electronic Scientific Journal
- Workshop of Development of Information Technology-Based Learning Innovations
- Workshop of Journal Indexation
- Workshop of Open Journal System
- Seminar of Motivational Writing
- Workshop of Digital Object Identifier

2018

- Workshop of Writing International Publication
- Workshop on Online Learning Systems
- Workshop of Writing English Textbooks for the Immersion Program
- Workshop of Referencing Manager (Mendeley)

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JURY

- **2021:** Jury of the Anniversary Faculty of Teacher Training and Education to 53
- **2020:** Jury of the Anniversary University of Lampung to 55
- **2020:** Jury of the Anniversary Faculty of Mathematics and Natural Sciences to 31
- **2019:** Physics Fast Competition for High School Students in Lampung

TAUGHT COURSES

- Basic Science
- Basic Physics
- Scientific Communication
- Research Methods
- Advanced Mathematics
- Modern Physics
- Metal and corrosion
- School Physics III
- Earth & Space Sciences
- Ethics and Local Wisdom Education
- Optics

TRAINING EXPERIENCE

2020

- Training of English Communication Skill
- MIPAnet School
- Training of International Journal Writing
- Training of Strengthening University of Lampung Clustering Through Improvement of Lecturer Publication Data in Sinta

2019

- Training of Reputable International Journal Writing for Lecturer
- Training of Intellectual Property Rights (HAKI) for Lecturers
- Training of Reputable International Journal Writing
- Training in Drafting Research Proposals

2018

- Training of Writing English Textbooks for the Immersion Program
- Research methodology
- Training of Trainer (TOT) English Extracurricular Course
- Training of Academic Quality Internal Audit to IX

2017

- Training of International Article Writing
- Training of Trainer (TOT) Implementation of Lectures based on E-Learning

2016

- Training of Applied Approach
- Training of Active Learning for Higher Education Universities
- Training of E-Learning
- Training of Instructional Engineering Basic Skills Improvement Program