



JURNAL PEMBELAJARAN FISIKA

p-ISSN 2302-0105, e-ISSN 2684-9828

Publisher

Physics Education Study Program, Faculty of Teacher Training and Education
University of Lampung, in Collaboration with Physical Society of Indonesia (PSI)

Editor in-Chief	: Wayan Suana
Editorial Board	: Ismu Wahyudi Misbah I Wayan Distrik Abdurrahman Ray Sajinem Kartini Herlina Eko Suyanto
Editor Advisory	: Rofiqul Umam Romiro Gordo Baustita Fatma Nur Büyükbayraktar Muhammad Yusuf Undang Rosidin Chandra Ertikanto
Managing Editor	: B. Anggit Wicaksono Hervin Maulina Dimas Permadi Anggraeni Novinta Nurulsari
Penyunting Bahasa	: Viyanti
Administrasi	: Ghani Fadhil Rabbani

Editorial Office: Gedung L Lt. 3, Physics Education Study Program, Faculty of Teacher Training and Education, University of Lampung, Indonesia, Jalan Prof. Dr. Sumantri Brojonegoro No. 1 Bandar Lampung, 35145. E-mail: jpf.pspf@fkip.unila.ac.id.

PREFACE

With gratitude to the Almighty, we are pleased to announce the publication of Volume 11, Number 2 of Jurnal Pembelajaran Fisika in 2023, made possible by the grace of God. This publication marks a significant milestone for us the publisher, the Physics Education Study Program at the Faculty of Teacher Training and Education, University of Lampung, in collaboration with the Physical Society of Indonesia (PSI).

Jurnal Pembelajaran Fisika serves as a vital platform for researchers, lecturers, teachers, education practitioners, and students engaged in issues related to physics learning innovation. This encompasses areas such as assessment and evaluation, multimedia development, and ICT-based physics learning design. Our publication is committed to fostering inquiry-based learning, STEM education, scientific approaches, blended learning, and mobile learning. The articles featured in the Journal of Physics Learning are meticulously selected to meet high-quality standards and contribute valuable insights for enhancing physics education across all levels.

While significant improvements have been implemented in Volume 11, Number 2, 2023, the Editorial Board remains open to valuable input and constructive criticism from the academic community. This collaborative approach ensures that each subsequent issue achieves higher standards and provides a more enriching reading experience. We humbly acknowledge any shortcomings in the journal, and your understanding is greatly appreciated.

We extend our sincere thanks to the readers and invaluable partners, including editors and Physics Education staff at the Faculty of Teacher Training and Education, University of Lampung, for their unwavering support leading up to the publication of this journal.

Thank you for your continued collaboration and commitment to advancing physics education.

Bandarlampung, December 2023

Chief Editor

TABLE OF CONTENTS

The Development of Connected Integrated Science Modules based on Differentiated Learning on Solar System Materials	71- 79
<i>Kadek Ayu Astiti*, Kompyang Selamat, Luh Devi Herliandry</i>	
Development of High-Order Thinking Skills Assessment Instrument for High School Students on Rotational Dynamics	81-96
<i>Siti Musfiroh*, Undang Rosidin, Viyanti Viyanti</i>	
Harmonizing STEM with Arts: Crafting an Innovative Physics Electronic Module on Vibration and Wave Concepts	97-111
<i>Yuberti Yuberti, Vandan Wiliyanti*, Antika Febriyani</i>	
Erika (Local Wisdom E-module) Dhadak Merak Dance on Newton’s Material	113-128
<i>Adinda Choirunnisa’*, Abd Kholiq</i>	
The Analysis of Pre-Service Student’s Ability to Develop STEM-Based Learning Media Through Physics Learning Media Lectures	129-143
<i>Ismet Ismet*, Ketang Wiyono, Evelina Astra Patriot, Pegi Melati, May Rani Rizka</i>	