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JPPPF (Jurnal Penelitian & Pengembangan Pendidikan Fisika) is dedicated to **all practitioners of education**. JPPPF covers experimental research, action research, qualitative research, quantitative research, and development research (model, media, and learning evaluation) aimed at improving the quality and building innovation in Physics education. By emphasizing these areas, JPPPF aims to disseminate innovative research results in relevant areas of physics education, contribute to the development of science, and support the improvement of the quality of physics learning.

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EDITORIAL FOREWORD

JPPPF (Jurnal Penelitian & Pengembangan Pendidikan Fisika) is dedicated to all practitioners of education. JPPPF coverage includes: experimental research, action research, qualitative research, quantitative research, and development research (model, media, and learning evaluation) aimed at improving the quality and building innovation in Physics education.

JPPPF Volume 10 Issue 2 contains 17 articles: 1) Enhancing Physics Experience: VIRRE (Virtual Reality of Renewable Energy) to Increasing Concept Understanding and Learning Motivation in Secondary Education; 2) Understanding Newton's Third Law: A Study of Prospective Physics Teachers' Knowledge Structure; 3) Development of Student Worksheet Integrated by Differentiated-PjBL Model to Train Student Science Process Skills on Renewable Energy Material; 4) Feasibility of Digital Flipbooks as Physics Teaching Media in Terms of Reproduction; 5) Empowering Students' Creative At The Utilization of Moodle-H5P with Flipped Classroom in Global Warming Learning to Enhance Students' Creative Attitudes; 6) STEM-Project based Learning in Physics Concept of Measurement to Enhance High School Students' Scientific Literacy; 7) Designing an E-Module on the Solar System to Develop Critical Thinking Skills; 8) Innovation Learning on The Topic of Sound: Rasch Analysis on Team Game Tournament with Uno Card Media; 9) An Assessment of Science Process Skills in Junior High School Education: Perspectives of Students and Teachers in Indonesia; 10) Self-Determined Learning in Higher Education through PBL and Digital/Media; 11) Development of Student Worksheets Based on Engineering Design Process to Enhancing Student's Scientific Literacy in Middle School Students; 12) Physics Learning Media with Multirepresentation: A Systematic Literature Review; 13) Development of the Physics Practicum Apparatus based on Microcontroller: A Prototype Constructed from Misconceptions of Basic Kinematics Concepts; 14) Assessing Senior High School Students' Critical Thinking Skills on Global Warming in Samarinda; 15) STEM-Based Physics Modules with CK-12 Simulations for High School Students: Development and Implementation; 16) Analysis of Science Literacy Profile and Development of E-Book Interactive Learning Media for Junior High School Students on Earth Structure Material; and 17) Education for Sustainable Development based of Technological Pedagogical and Content Knowledge using Mixed-Methods Approach in Physics Teaching.

The articles in this issue from 5 countries: Indonesia, Malaysia, Spain, Japan, and Australia. We are grateful for all the contributions of the authors. We also appreciate the professional reviewers who are an essential part of this issue and JPPPF is fortunate to have some excellent reviewers.

Hopefully, JPPPF can be a reference for readers and researchers in developing physics education.

Jakarta, 30 December 2024
Editor-in-Chief,

Fauzi Bakri

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