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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 1 contains 16 articles: 1) Trends of Physics Critical Thinking Skill Research in Indonesia: A Systematic Literature Review; 2) How to Promote the Ability of Physics Teaching Materials Development through Team-Based Project Learning? An Action Research Evidence; 3) How Extensively do Teachers Train Students' Metacognition Abilities in Physics Learning in High School?; 4) Development of an Assessment Instrument to Measure High School Students' Collaboration Skills in Physics Learning; 5) Alternative Virtual Lab-Based Practical Learning Model to Improve Scientific Attitude and Science Process Skills; 6) Exploration of Physics Concepts in Local Wisdom of South Sumatera as an Effort to Develop Students' 21st-Century Skills; 7) Improving Science Literacy Skills through Interactive Physics E-Learning for students at Lapandewa High School; 8) Educational Tool for Determining Viscosity Coefficient of Cooking Oil Using Arduino UNO; 9) The Augmented Reality Based Flashcards for Learning Heat and Thermodynamics in High School; 10) Integrated Physics E-Booklet Model of Tsunami Disaster Mitigation in Outer Islands of The West Coast Sumatra for High School Level; 11) Validity and Practicality of Student Worksheet Integrated by Sound Wave Experiment Set Using Smartphone with Sound Analyzer Basic 1.10.2 and Frequency Generator 2.6 Software; 12) Student Worksheets Assisted by Augmented Reality on Critical Thinking Skills in High School Physics: Study of Teacher Perceptions in Indonesia; 13) Enhancing Students' Learning Outcomes and Science Process Skills through STEM Project-Based Learning on Global Warming Topics; 14) Impact of Using PhET and NI Multisim Simulation on Understanding Electrical Circuit Concepts; 15) A Systematic Literature Review: Problem-Solving Skills in Physics Teaching; and 16) The Implementation of the Dilemma-STEAM Model in Fluid Dynamics Subjects through the Archimedes Screw Project.

The articles in this issue from 3 countries: Indonesia, China, and Taiwan. 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 June 2024
Editor-in-Chief,

Fauzi Bakri

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