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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 8 Issue 1 contains 15 articles: 1) Design and Development of College Student Worksheets for Simulation of Electromagnetic Waves; 2) A Study of Sound Materials of Water Hyacinth (*Eichhornia Crassipes*) as Alternative STEAM Integrated Project-Based Learning Model (PjBL); 3) Process Skills-Based E-Module: Impact On Analytical Thinking Skills; 4) Conceptions and Conceptual Changes of Junior High-School Students in the Topic of Temperature and Heat; 5) Development of Computer Based Test Which is Integrated with Bengkulu Local Wisdom to Measure the Scientific Literacy Skills of Junior High School Students; 6) Development Validity and Reliability of Critical Thinking Instruments to Measure the Effectiveness of Context-Based Physics E-Module on Wave Materials; 7) Development of Sophisticated Thinking Blending Laboratory (STB-LAB) to Improve 4C Skills for Students as Physics Teacher Candidate; 8) The Implementation of Integrated Project-Based Learning Science Technology Engineering Mathematics on Creative Thinking Skills and Student Cognitive Learning Outcomes in Dynamic Fluid; 9) The Development of Educational Aids for Restitution Coefficient Experiment Using Microcontroller; 10) The Role of Visual Representation for High School Physics in Teaching of Classical Mechanics; 11) The Development Research: Assessment Instruments of Science Literacy Based on Minimum Competency Assessment (AKM) Level 4th for Solar System Concepts; 12) Development of Audio-Visual Physics Animation Media to Improve Students' Understanding of Concepts and Creativity; 13) Understanding the Newton's Motion Concept Through Qualitative and Quantitative Teaching; 14) The Impact of Problem-Based Student Worksheets on Improving Problem-Solving Skills in terms of Learning Outcomes; and 15) The Implementation and Effect of Problem-Based Learning Based on Local Wisdom Toward Students' Communication and Critical Thinking Ability on Temperature and Heat Topic.

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

Jakarta, 30 June 2022  
Editor-in-Chief,

Fauzi Bakri





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