



JURNAL PENDIDIKAN FISIKA
DEPARTMENT OF PHYSICS EDUCATION
UNIVERSITAS MUHAMMADIYAH MAKASSAR
IN COLLABORATION WITH PHYSICAL SOCIETY OF INDONESIA



p-ISSN: 2302-8939, e-ISSN: 2527-4015

Nationally Accredited by the Ministry of Research, Technology, and Higher Education, Republic of Indonesia, Number: 36/E/KPT/2019 and Grade 3

Secretariat: Building FKIP, Three Floor, Universitas Muhammadiyah Makassar, Indonesia, Postal Code 90221

Phone: 085241037707 / 085299959593, E-mail: pendidikan.fisika@unismuh.ac.id,

Website: <https://journal.unismuh.ac.id/index.php/jpf>

DECLARATION OF ORIGINALITY
JURNAL PENDIDIKAN FISIKA

We the undersigned declare that this manuscript is original, has not been published before and is not currently being considered for publication or submitted elsewhere.

We wish to confirm that there are no known conflicts of interest associated with this publication and there has been no significant financial support for this work that could have influenced its outcome.

We confirm that the manuscript has been read and approved by all named authors and that there are no other persons who satisfied the criteria for authorship but are not listed. We further confirm that the order of authors listed in the manuscript has been approved by all of us.

We confirm that we have given due consideration to the protection of intellectual property associated with this work and that there are no impediments to publication, including the timing of publication, with respect to intellectual property. In so doing we confirm that we have followed the regulations of our institutions concerning intellectual property.

The first author,

Andi Moh Amin

Indexed:





JURNAL PENDIDIKAN FISIKA
DEPARTMENT OF PHYSICS EDUCATION
UNIVERSITAS MUHAMMADIYAH MAKASSAR
IN COLLABORATION WITH PHYSICAL SOCIETY OF INDONESIA



p-ISSN: 2302-8939, e-ISSN: 2527-4015

Nationally Accredited by the Ministry of Research, Technology, and Higher Education, Republic of Indonesia, Number: 36/E/KPT/2019 and Grade 3

Secretariat: Building FKIP, Three Floor, Universitas Muhammadiyah Makassar, Indonesia, Postal Code 90221

Phone: 085241037707 / 085299959593, E-mail: pendidikan.fisika@unismuh.ac.id,

Website: <https://journal.unismuh.ac.id/index.php/jpf>

LETTER OF STATEMENT

No: 008/JPF/XII/1444/2022

I hereby declare that the article:

title : Mr

authors : 1. Andi Moh. Amin

2. Andi Suhandi

3. Ridwan Efendi

is **APPROVED** to be published in JPF for January 2023 Issue.

Hereby this statement is made truthfully and to be used accordingly.

Bandung, 12 December 2022

First Author,

Andi Moh Amin

Indexed:

