

# MINISTRY OF RESEARCH, TECHNOLOGY, AND HIGHER EDUCATION UNIVERSITAS NEGERI SEMARANG FACULTY OF MATHEMATICS AND NATURAL SCIENCES DEPARTMENT OF INTEGRATED SCIENCES IN COLLABORATION WITH PERKUMPULAN PENDIDIK IPA INDONESIA



#### **JURNAL PENDIDIKAN IPA INDONESIA**

p-ISSN: 2339-1286; e-ISSN: 2089-4392
Nationally Accredited Decree of The Minister of Research, Technology, and Higher Education No. 2/E/KPT/2015
SCOPUS INDEXED AND Q3 SCIMAGOJR

Secretariat: D5 Building, First Floor, UNNES Campus In Sekaran Gunungpati Semarang, Indonesia, Postal Code 50229. Phone (+6224) 70805795, Fax. (+6224) 8508005, E-mail: <a href="mailto:lpii@mail.unnes.ac.id">lpii@mail.unnes.ac.id</a>, Website: <a href="http://journal.unnes.ac.id/nju/index.php/jpii">http://journal.unnes.ac.id/nju/index.php/jpii</a>

#### LETTER OF STATEMENT

No: 25/JPII/R.A./2019

I hereby declare that the article:

Title: THE 7E LEARNING CYCLE APPROACH TO UNDERSTAND

THERMAL PHENOMENA

Authors : 1. Ruhban Maskur

2. Sri Latifah

3. A. Pricilia

4. A. Walid

5.K. Ravanis

is **APPROVED** to be published in JPII for September 2019 Issue.

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

Semarang, 26-12-2019

First Author,

Ruhban Maskur



## MINISTRY OF RESEARCH, TECHNOLOGY, AND HIGHER EDUCATION UNIVERSITAS NEGERI SEMARANG FACULTY OF MATHEMATICS AND NATURAL SCIENCES DEPARTMENT OF INTEGRATED SCIENCES IN COLLABORATION WITH PERKUMPULAN PENDIDIK IPA INDONESIA



JURNAL PENDIDIKAN IPA INDONESIA

p-ISSN: 2339-1286; e-ISSN: 2089-4392
Nationally Accredited Decree of The Minister of Research, Technology, and Higher Education No. 2/E/KPT/2015
SCOPUS INDEXED AND Q3 SCIMAGOJR

Secretariat: D5 Building, First Floor, UNNES Campus in Sekaran Gunungpati Semarang, Indonesia, Postal Code 50229. Phone (+6224) 70805795, Fax. (+6224) 8508005, E-mail: jpii@mail.unnes.ac.id, Website: http://journal.unnes.ac.id/nju/index.php/jpii

### DECLARATION OF ORIGINALITY JURNAL PENDIDIKAN IPA INDONESIA

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,

Ruhban Maskur]