



I Gusti Putu Asto Buditjahjanto <asto@unesa.ac.id>

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## Abstract

1 message

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**ICOSETH Committee** <icoseth@fkip.uns.ac.id>  
Reply-To: icoseth@fkip.uns.ac.id  
To: asto@unesa.ac.id

Tue, Sep 8, 2020 at 10:18 AM

**Dear,Lecturer/Researcher Dr. I Gusti Putu**

We received your submission with the detail:

Author : Zuhrie, Huda, Buditjahjanto, Nurlaela,

Title : **[Implementation Of Educational Robotics Into The Teaching-Learning Process To Enhance Students Skills In The Science And Technology]**

The paper was submitted by **[I Gusti Putu]**

Thank you for submitting to ICOSETH 2020

Best regards,

ICOSETH 2020 Committee

Website : <https://icoseth-uns.org/>

Email : [icoseth@fkip.uns.ac.id](mailto:icoseth@fkip.uns.ac.id)



I Gusti Putu Asto Buditjahjanto <asto@unesa.ac.id>

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## Review Abstract

1 message

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**ICOSETH Committee** <icoseth@fkip.uns.ac.id>  
Reply-To: icoseth@fkip.uns.ac.id  
To: asto@unesa.ac.id

Wed, Sep 9, 2020 at 8:52 AM

**Dear, Lecturer/Researcher Dr. I Gusti Putu**

Congratulations, your abstract titled :

**Implementation Of Educational Robotics Into The Teaching-Learning Process To Enhance Students Skills In The Science And Technology**

Has been accepted to be continue to the next step (**full paper submission**) at *The International Conference on Science Education and Technology* ICOSETH 2020 which is being held on 24 October 2020 at Surakarta.

You have to submit your full paper (doc or docx) file via system no more than 10 September 2020. The page number of the full paper is not more than 10 pages.

For educational fields, please add some analysis about the concept which are related to your fields.

Please make sure that you use the templates

Thank you and looking forward to your participation in this event.

Best regards,  
ICOSETH 2020 Committee  
Website : <https://icoseth-uns.org/>  
Email : [icoseth@fkip.uns.ac.id](mailto:icoseth@fkip.uns.ac.id)



# The 2<sup>nd</sup> International Conference on Science Education and Technology

📅 2021-04-06 ▾

## SCIENTIFIC REVIEW

Paper Title	IMPLEMENTATION OF EDUCATIONAL ROBOTICS INTO THE TEACHING-LEARNING PROCESS TO ENHANCE STUDENTS SKILLS IN THE SCIENCE AND TECHNOLOGY
Author	I Gusti Putu Asto Buditjahjanto Samsul Huda Muhamad Zuhrie Luthfiyah Nurlaela
Abstract	The development of education in the sector of science and technology is needed to anticipate technological advances in the Industrial Revolution 4.0 (IR 4.0). The focus of IR 4.0 is to direct all production activities based on automation and digitization. In the automation process, robots play an important role because of their ability to work following the given computer program to complete their tasks to produce various industrial products in efficiency and effectiveness. Therefore, the society of education must prepare its students to be able to follow these challenges and changes by using a learning process that uses robots or what is known as Educational Robotics (ER). The objectives of this study are to identify what kinds of skills can be implanted in the learning process using ER and to evaluate what types of Robots can be applied to the learning process in the sector of science and technology. The research to be carried out is a literature review research. The research method is the Comprehensive Literature Review (CLR). The CLR method has seven steps, that are 1) Exploring Beliefs and Topics, 2) Initiating the Search, 3) Storing and Organizing Information, 4) Selecting/Deselecting Information, 5) Expanding the Search, 6) Analyzing and Synthesizing Information, and 7) Presenting the CLR Report. The research results showed that ER can be used for the learning process in developing the skills needed by science and technology education. These skills include programming skills and computational skills, communication, and collaboration skills, problem-solving, and creative thinking. The type of robot that can support the ability of students' skills is an assembled robot type that must be composed at the beginning to learn a robot by the students. Meanwhile, the built-in robot type is more limited in its usefulness for the teaching-learning process because it is more specific.
Topic	Robotic and game teaching in science education
Keyword	Educational robotic, Programming skill, Teaching-learning process, Computational Skill, Comprehensiv
Total Words	303/300
File	<b>146_FP.doc</b> 📄 ( <a href="https://icoseth-uns.org/2020/file/Paper/146_FP.doc">https://icoseth-uns.org/2020/file/Paper/146_FP.doc</a> )
Review's Feedback	<b>146_Paper_Review.doc</b> 📄 ( <a href="https://icoseth-uns.org/2020/file/Paper_rev/146_Paper_Review.doc">https://icoseth-uns.org/2020/file/Paper_rev/146_Paper_Review.doc</a> )


No	Item	Assessment	Score
1	Thematic Relevance for the "Call for Papers"	0-Definitely unsuitable 1-Not so relevant 2-Relevance is questionable 3-Close enough 4-Definitely relevant 5-Appropriate to the point	<input type="text" value="3"/>

2	Quality of Content	0-Questionable work 1-Only an insignificant contribution 2-Weak content 3-Solid work 4-Good work, significant 5-Excellent work and a significant contribution	2
3	Experiments Result and Preparation/Finding	0-Questionable work 1-Only an insignificant contribution 2-Prepared but not reported 3-Prepared and reported Good and clear enough. 4-Good preparation and significant result 5-Excellent prepared and a significant Result	2
4	Quality of presentation	0-Not acceptable 1-Requires considerable work 2-Needs some revision 3-Legible 4-Well written 5-Excellently written	2
5	Conclusion and Future Work	0-Absolutely insignificant 1-Only of marginal significance 2-Low significance 3-Not bad 4-Significant 5-Very significant	2
6	Significance for theory or practice	0-Absolutely insignificant 1-Only of marginal significance 2-Low significance 3-Not bad 4-Significant 5-Very significant	3
7	References	0-The references not relate with the paper and not the cited well on the paper. 1-Most of the references not relate with the paper and some not the cited well on the paper. 2-Some references not relate with the paper and some not the cited well on the paper. 3-Some references not relate with the paper and the cited well on the paper. 4-Deep but not recent. The references well cited on the paper. 5-Deep, recent and well cited on the paper.	2
8	Originality and level of innovativeness	0-Outdated work 1-This has been said several times 2-Better works on the same topic exist 3-One step forward 4-A pioneer work 5-Groundbreaking	3
9	Overall recommendation	0-Definitely reject (has no merit) 1-Probably reject (minor quality) 2-Lean towards rejection (low quality) 3-Lean towards acceptance (borderline quality) 4-Probably accept (good quality) 5-Definitely accept (very high quality)	2

Recommendation	<del>Accepted</del> / <del>Revise Minor</del> / <del>Revise Major</del> / <del>Decline</del>
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<b>Comments</b>	<b>The paper is very interesting but there are some errors in grammatical writing are still remained and are needed to be improved. Please be carefully check the spelling of English.</b>
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<b>Upload Revision</b>	<input type="button" value="Choose File"/> No file chosen	<b>Score of Turnitin</b>	<input style="width: 100px;" type="text" value="%"/>	<input type="button" value="Upload"/>
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## [ICOSETH 2020] Publication Announcement

1 message

icoseth fkip <icoseth@fkip.uns.ac.id>

Mon, Nov 9, 2020 at 11:40 AM

To: I Gusti Putu Asto Buditjahjanto <asto@unesa.ac.id>

Cc: samsul.17070895021@mhs.unesa.ac.id, zuhrie@unesa.ac.id, luthfiahnurlaela@unesa.ac.id

Dear I Gusti Putu Asto Buditjahjanto, et al.

We are pleased to inform you that your manuscript is recommended to be published in **Journal of Physics: Conference Series – IOPscience (Scopus)**. Your manuscript will be sent to Jurnal soon, so we need some requirements:

1. The selected papers publishing will be charged to publish.

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2. Please prepare your manuscript:

- a. References are a minimum of 10 lists (international journal mostly), which should be cited in the manuscript and please follow the references template.
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- c. Please make sure your English is correct. You can use grammar checker (<https://www.grammarly.com/> or <https://prowritingaid.com/> or <http://www.whitesmoke.com/> or another grammar checker)
- d. Provide Plagiarism Checker using either Cross Check <http://www.crossref.org/crosscheck/index.html> or Turnitin <http://turnitin.com/> or <http://smallseotools.com/plagiarism-checker/> or another checker onto your Revised Full Paper and send the report as well. Make sure the plagiarism/similarity less than 25%)

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Please refer to our **website** for more information. Thank You for your participation in The ICOSETH 2020.

Best regards,  
ICOSETH Committee

Website : <https://icoseth-uns.org/>