

Judul Artikel : Generative learning models assisted by virtual laboratory to improve mastery of student physics concept

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Nama Seminar/Konferensi/Simposium : Journal of Physics: Conference Series

Penyelenggara/Penerbit : IOP Publishing Ltd

Waktu/Tempat Pelaksanaan : 22 May 2020/ Bandung-Indonesia

Halaman : 022013-1 - 022013-7

ISBN/ISSN : *ISSN: 1742-6596*

Web Prosiding : <https://iopscience.iop.org/issue/1742-6596/1521/2>

URL Dokumen : <https://iopscience.iop.org/article/10.1088/1742-6596/1521/2/022013/pdf>

DOI : <http://doi.org/10.1088/1742-6596/1521/2/022013>

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Tanggal/Waktu : Semester Genap 2019/2020

Satuan : 1 Makalah/tahun

Volume Kegiatan : 1

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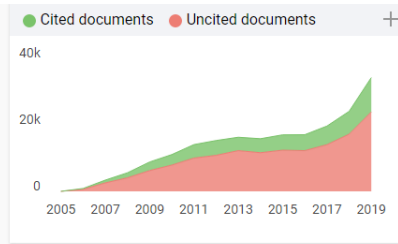
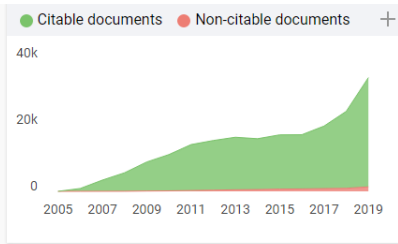
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Generative learning models assisted by virtual laboratory to improve mastery of student physics concept

S M Dewi¹, G Gunawan², A Harjono², S Susilawati² and L Herayanti³

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Generative learning models assisted by virtual laboratory to improve mastery of student physics concept

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Abstract. Teaching abstract concepts in experimental activities is one of the problems in the physics learning process, thus causing low levels of participation and mastery of students' physics concepts. Generative learning assisted by a virtual laboratory can be an alternative to solve this problem. The purpose of this study was to examine the effectiveness of generative models assisted by virtual laboratories for mastering students' physics concepts. The research and development used is based on the 4-D model. Test the effectiveness of learning devices

Reviewer's Report

	ICMScE 2019 MANUSCRIPT EVALUATION FORM	PAPER CODE: ABS 119
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Title : Generative learning models assisted by virtual laboratory to improve mastery of student physics concepts

No	Evaluation	Yes	No
1.	The article has a considerable contribution to a certain area of research	√	<input type="checkbox"/>
2.	The title clearly expresses the content of the article	√	<input type="checkbox"/>
3.	The abstract clearly describes the research	√	<input type="checkbox"/>
4.	The method used is clear and sufficient	<input type="checkbox"/>	√
5.	The data and statistic used are sufficient	√	<input type="checkbox"/>
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7.	The results and discussion are clear and accurate	√	<input type="checkbox"/>
8.	The references are sufficient and correctly formatted	√	<input type="checkbox"/>

B. Final Decision

No	Decision	Yes	No
1.	Accepted to be published without revision	<input type="checkbox"/>	<input type="checkbox"/>
2.	Accepted with minor revision (to be revised and resubmitted)	<input type="checkbox"/>	<input type="checkbox"/>
3.	Accepted with major revision (to be revised and resubmitted)	√	<input type="checkbox"/>
5.	Rejected	<input type="checkbox"/>	<input type="checkbox"/>

C. Comment(s) :

1. Bahasa Inggrisnya diperbaiki
2. Pada latar belakang antar paragraph saling berkaitan sehingga alur kalimatnya jelas
3. Belum ada penjelasan mengapa perlu diterapkan Generative learning models assisted by virtual laboratory.
4. Belum ada penjelasan mengenai model tsb dapat meningkatkan penguasaan konsep
5. Mengapa perlu didukung dengan virtual Lab?
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Authors Shinta Mutiara Dewi (a), Gunawan Gunawan (b*), Ahmad Harjono (b), Susilawati Susilawati (b)

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Dear Authors: Shinta Mutiara Dewi (a), Gunawan Gunawan (b*), Ahmad Harjono (b),
Susilawati Susilawati (b)

We are pleased to inform you that your abstract (ABS-119, Oral Presentation), entitled:

**"Generative learning model assisted by virtual laboratory to improve mastery of
student physics concepts"**

has been reviewed and accepted to be presented at ICMScE 2019 conference to be held
on 29 June 2019 in Bandung, Indonesia.

Please submit your full paper and make the payment for registration fee before the
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REVISION RESULTS FORM

NO	REVIEWER COMMENTS	AUTHOR'S RESPONSE
1	Bahasa Inggrisnya diperbaiki	Sudah diperbaiki
2	Pada latar belakang antar paragraph saling berkaitan sehingga alur kalimatnya jelas	Iya sudah diperbaiki
3	Belum ada penjelasan mengapa perlu diterapkan Generative learning models assisted by virtual laboratory.	Penjelasan sudah ada pada paragraph 5 pada latar belakang
4	Belum ada penjelasan mengenai model tsb dapat meningkatkan penguasaan konsep	Penjelasan sudah ada pada paragraph 6, 7 dan 10 pada <i>result and discussion</i>
5	Mengapa perlu didukung dengan virtual Lab?	Penjelasannya sudah ada pada latar belakang paragraph 4 dan 5
6	Method: tidak cocok antara 4D dgn hasil penelitian yang diperoleh.	Tahapan <i>define</i> dan <i>design</i> dalam model pengembangan 4D telah dilakukan (uji validitas dan kepraktisan perangkat pembelajaran), selanjutnya tahap <i>develop</i> menguji model generatif berbantuan laboratorium virtual untuk meningkatkan penguasaan konsep dengan menggunakan eksperimen semu.
7	Partisipan belum duraikan dengan jelas meliputi jumlah total, jumlah laki-laki dan perempuan, serta usia.	Jumlah total siswa yaitu sebanyak 68 siswa. Laki-laki sebanyak 33 siswa dan perempuan sebanyak 35 siswa yang terbagi dalam dua kelompok eksperimen dan kontrol.
8	Pembahasan kurang mendalam	Sudah ditambahkan pembahasannya pada bagian <i>result and discussion</i>

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