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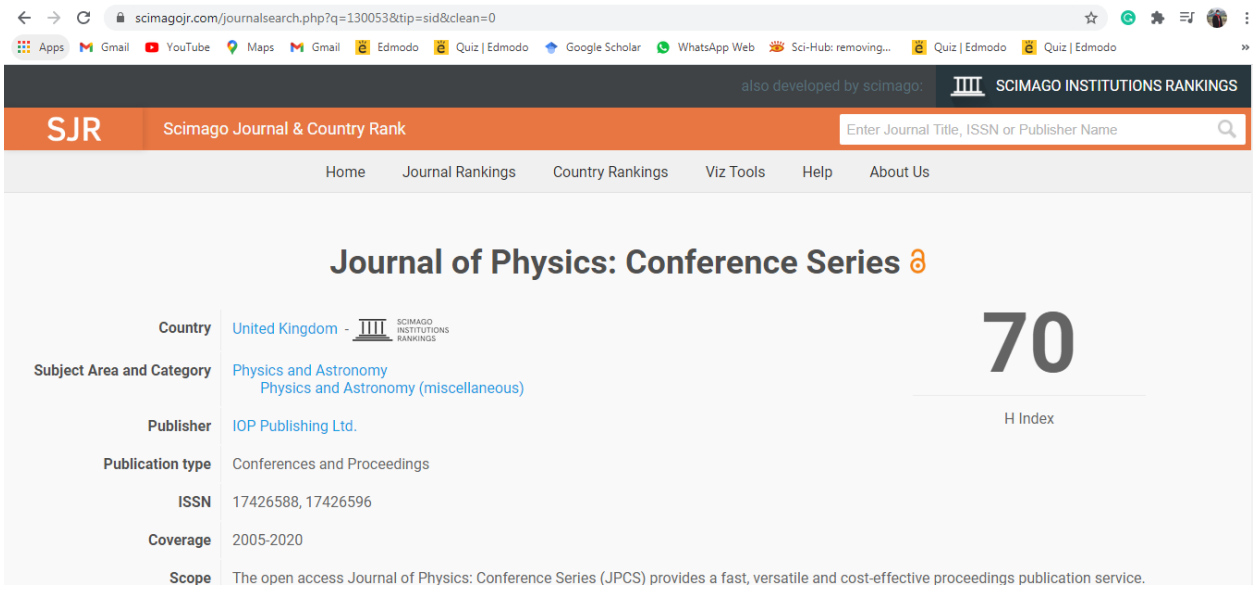

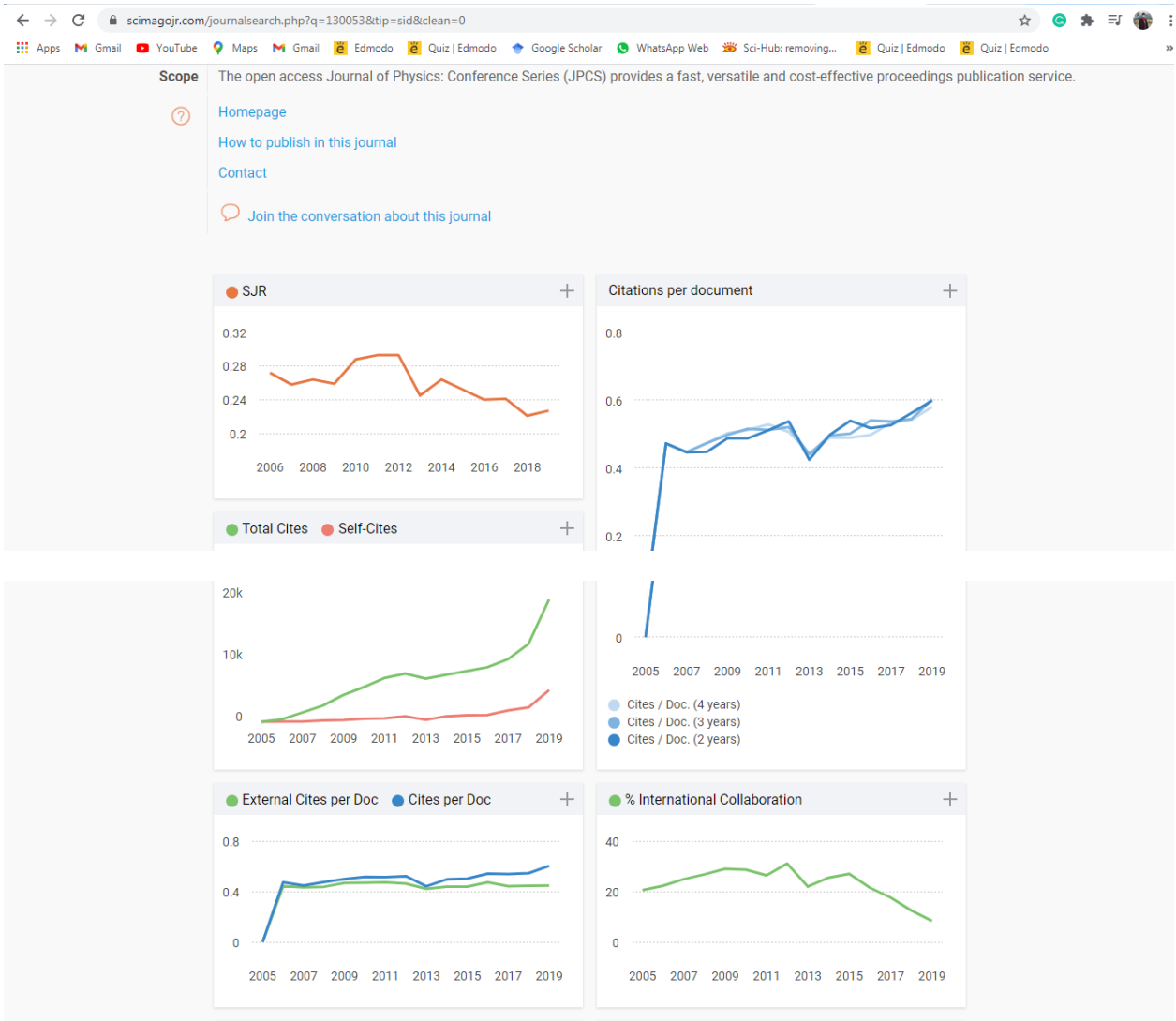

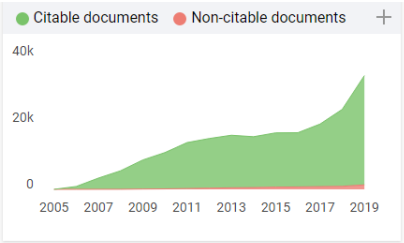
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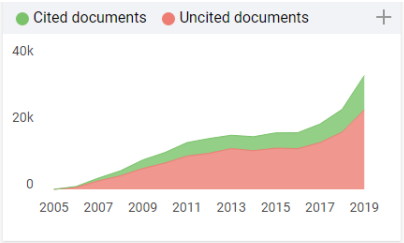
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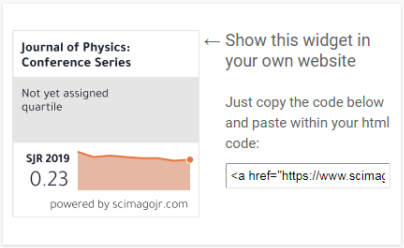
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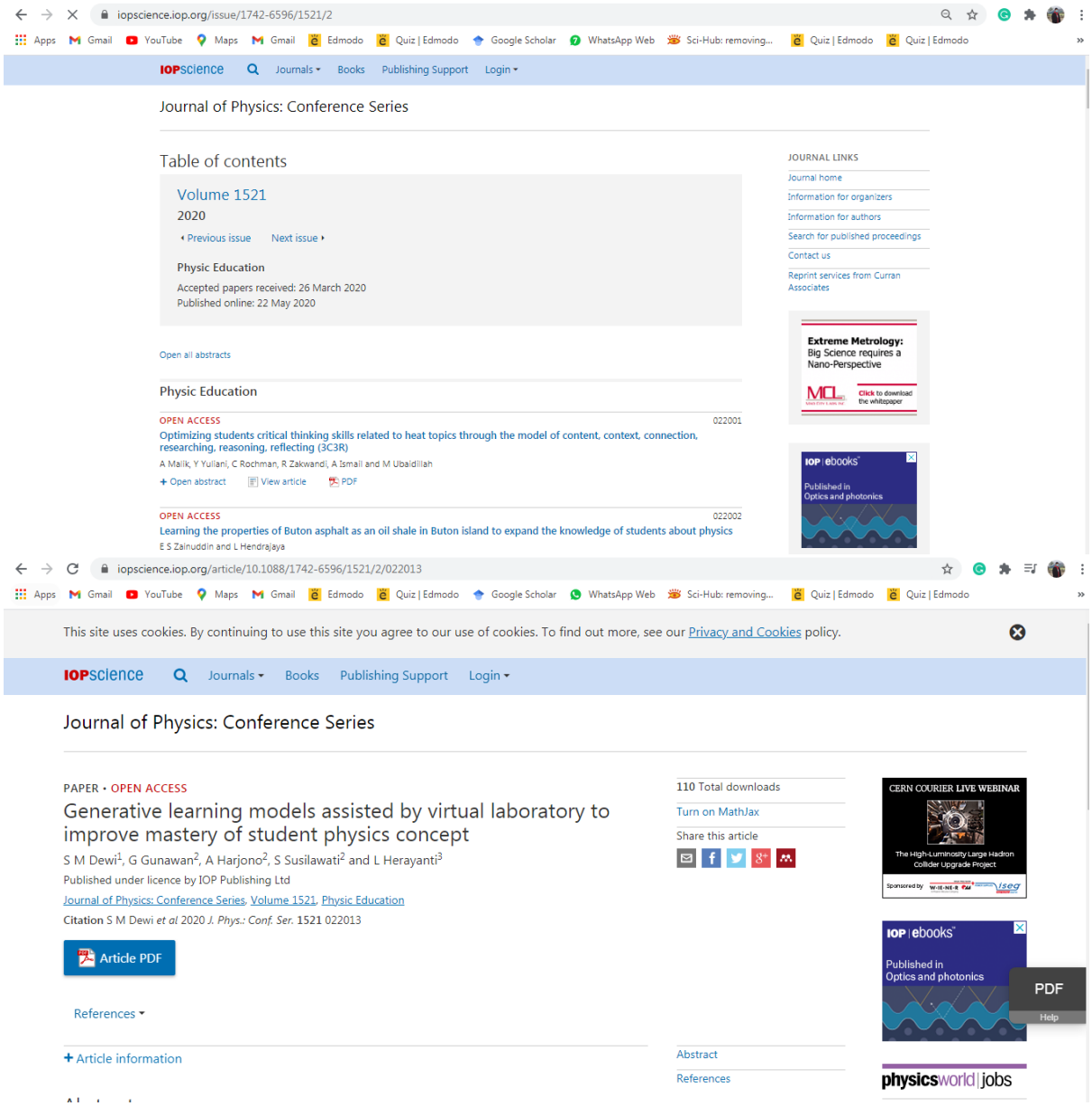

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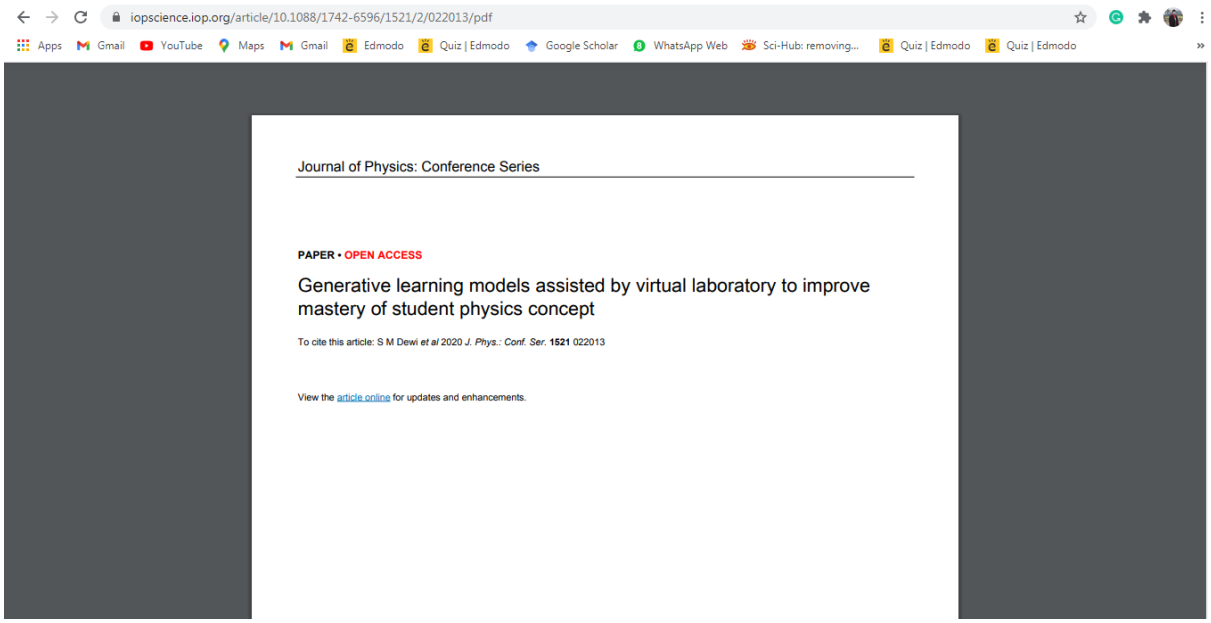

Generative learning models assisted by virtual laboratory to improve mastery of student physics concept

S M Dewi[1], G Gunawan[2*], A Harjono[2], S Susilawati[2] and L Herayanti[3]

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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

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	√	□
2.	The title clearly expresses the content of the article	√	□
3.	The abstract clearly describes the research	√	□
4.	The method used is clear and sufficient	□	√
5.	The data and statistic used are sufficient	√	□
6.	The graphs, figures and tables clearly illustrate the discussed subject	√	□
7.	The results and discussion are clear and accurate	√	□
8.	The references are sufficient and correctly formatted	√	□

B. Final Decision

No	Decision	Yes	No
1.	Accepted to be published without revision	□	□
2.	Accepted with minor revision (to be revised and resubmitted)	□	□
3.	Accepted with major revision (to be revised and resubmitted)	√	□
5.	Rejected	□	□

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?
6. Method: tidak cocok antara 4D dgn hasil penelitian yang diperoleh.
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Title	"Generative Learning Model Assisted by Virtual Laboratory to Improve Mastery of Student Physics Concepts"
Authors	Shinta Mutiara Dewi (a), Gunawan Gunawan (b*), Ahmad Harjono (b), Susilawati Susilawati (b)
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Letter of Acceptance for Abstract

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 deadlines, visit our website for more information.

Thank You.

Best regards,

Dr. AHMAD MUDZAKIR, M.Si.
ICMScE 2019 Chairperson

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 *result and discussion*
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 *define* dan *design* dalam model pengembangan 4D telah dilakukan (uji validitas dan kepraktisan perangkat pembelajaran), selanjutnya tahap *develop* 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 *result and discussion*

Rujuk artikel shinta yang baru terbit

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