KOORESPODENSI ARTIKEL JURNAL:

Improving evidence-based argumentation on socioscientific issues through problembased learning in science students

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Improving evidence-based argumentation on socioscientific issues through problem-based learning in science students

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ABSTRACT

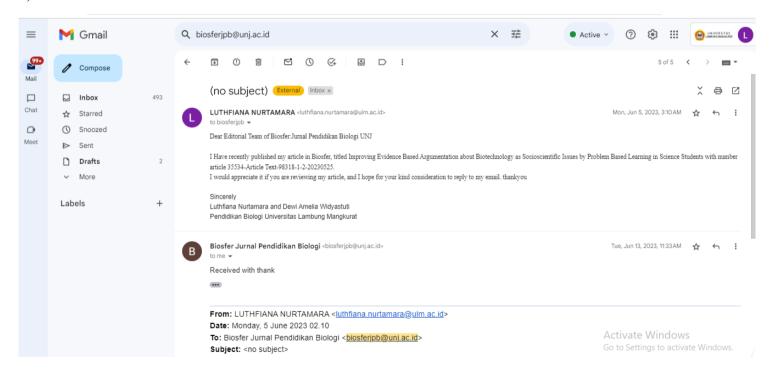
In the scientific education, improving the argumentation skills in socioscientific issues was very important to educate young people as an active society. The aim of this research was to evaluate the implementation impact of problem based learning to the students skils of evidence based argumentation of socioscientific issues. Total of 21 students of Grade XII MIPA of senior high school at surakarta city were used as the sample in the learning process with biotechnology topic. The times taken for the learning activity were 4 week with 4 times of class meeting every week. Pre-test and post-test were applied to 21 students in order to measure of students skills in constructing the argument of socioscientific issues. . The differences between pre-test and post-test scores for each aspects of evidence-based argument, in sequence, are as follows: 61,11 and 92,06 for claims; 30,16 and 84,13 for evidence; and 28,97 and 78,17 for connection claim to evidence. Statistically test for Wilcoxon rank test score for evidence based argument resulted p-value (0,00) which was < 0,05. This means that score of evidence based argument was improved significantly. In the case of qualitative data used, observation during learning process, learning transcipt, result of students works within learning activity as well as interview activity showed that PBL learning had improved the skill of evidence-based argument of science students.

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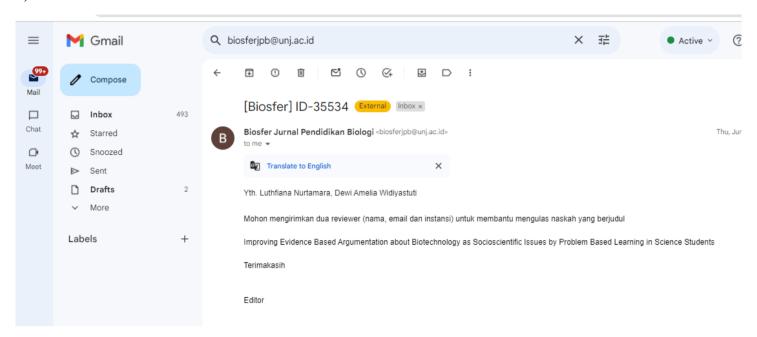
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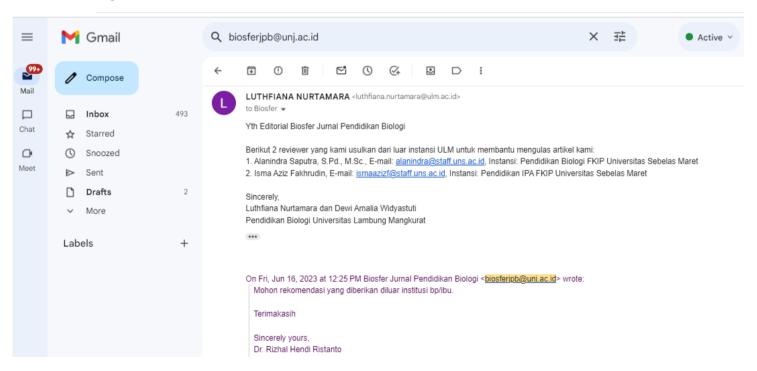
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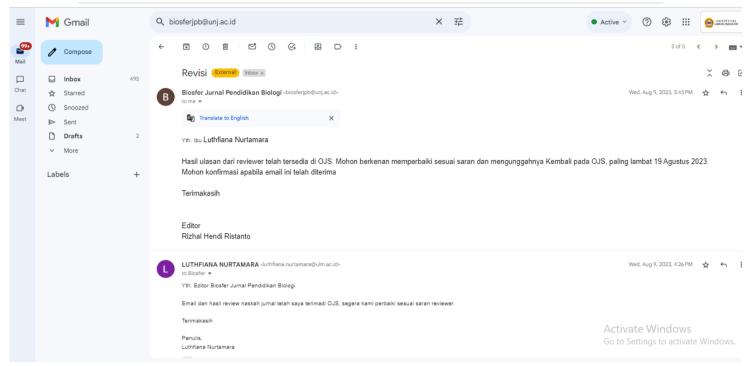
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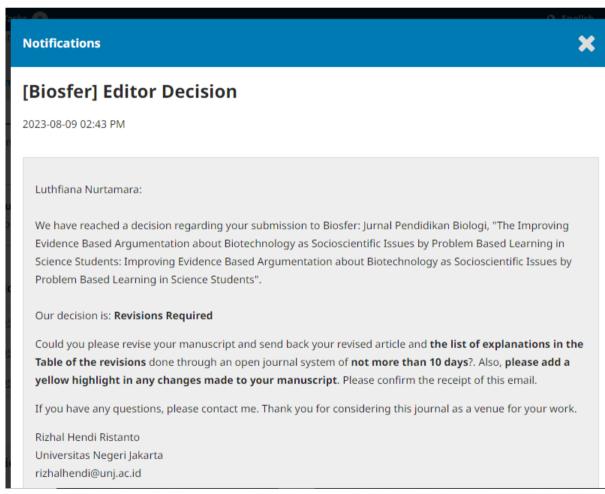


4) Penulis mengirimkan dua reviewer dari Universitas Sebelas Maret



5) Penulis Menerima Hasil Revisi Melalui Email dan OJS





7) Perbaikan Naskah Sesuai Saran Reviewer di Bawah ini

Reviewer A:
The idea of this research is interesting. It would be even better if it is written systematically and comprehensively, especially in the introduction and methodology sections. In the discussion section, recent relevant studies could also be added. Hopefully, the revisions of this article will give beneficial to the readers, especially educator.
Recommendation: Revisions Required
Reviewer B:
1. the background section needs to be sharpened, especially those related to the context of biotechnology problems in society
2. It is necessary to distinguish between population and sample, and what technique used to sampling. as well as population and sample displays and what technique used to sampling.
3. the instrument needs to be explained in detail including the number of questions and indicators used and it must be explained whether it has been validated
4. distinguish between descriptive and inferential analysis and include the table or formula used for the descriptive quantitative test
 the discussion needs to be deepened to see how the research was carried out, how the results and theories or supporting research from the findings and please show the results of each indicator of the variable argumentation
6. focus only answer the question research
7. need to be added to strengthen the background and discussion
Recommendation: Revisions Required

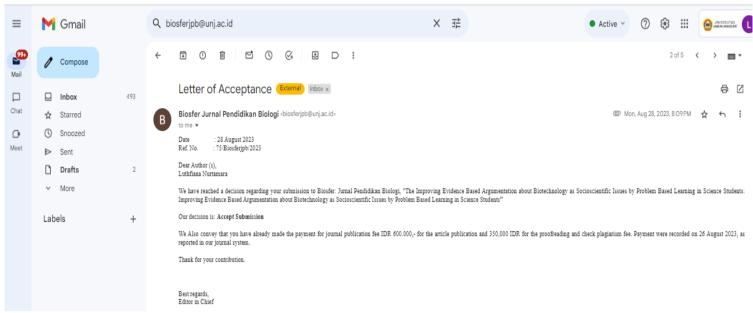
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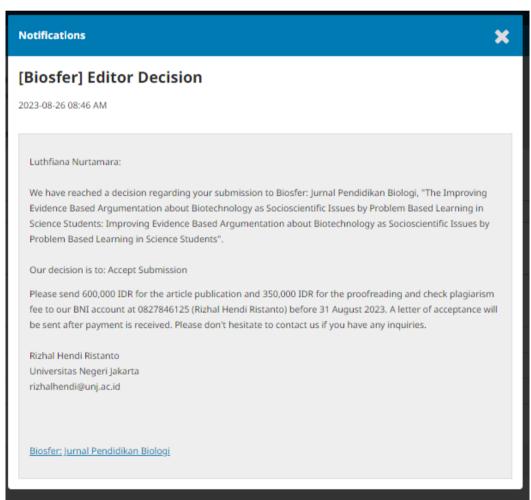
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Date : 28 August 2023
Ref. No. : 75/Biosferjpb/2023
Subject : Letter of Acceptance

Dear Author (s), Luthfiana Nurtamara

We have reached a decision regarding your submission to Biosfer: Jurnal Pendidikan Biologi, "The Improving Evidence Based Argumentation about Biotechnology as Socioscientific Issues by Problem Based Learning in Science Students: Improving Evidence Based Argumentation about Biotechnology as Socioscientific Issues by Problem Based Learning in Science Students"

Our decision is: Accept Submission

We Also convey that you have already made the payment for journal publication fee IDR 600.000,- for the article publication and 350,000 IDR for the proofreading and check plagiarism fee. Payment were recorded on 26 August 2023, as reported in our journal system.

Thank for your contribution.

Best regards,

Editor in Chief

Dr. Rizhal Hendi Ristanto

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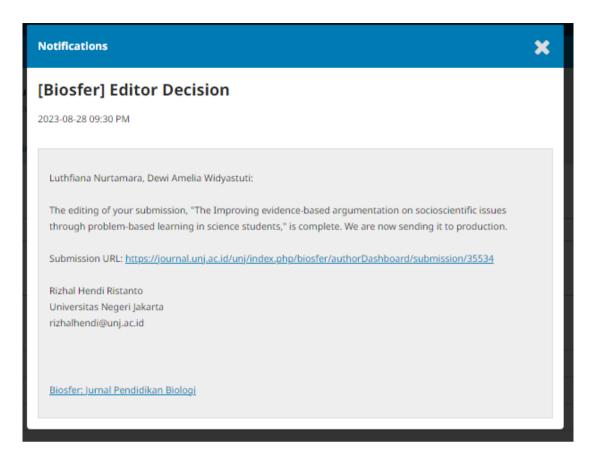




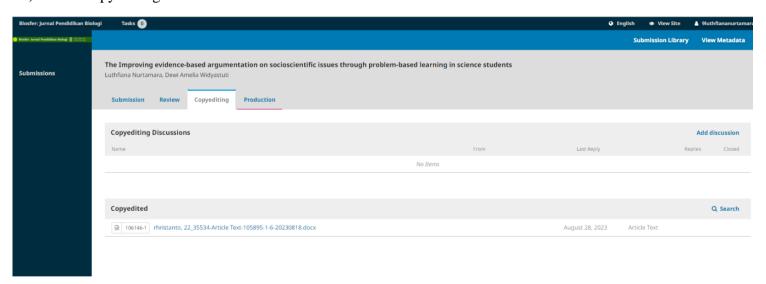








10) Jurnal Copyediting



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