Gmail

yuliani sains <yuliani.sains@unsur.ac.id>

Submission Confirmation for Evaluation and Possible Mechanism of Beet Armyworm (Spodoptera exigua Hubner) Resistance to Chlorpyrifos and Their Sensitivity to Neem Oil Insecticides

1 message

Open Agriculture <em@editorialmanager.com> Mon, Jan 6, 2020 at 4:14 PM
Reply-To: Open Agriculture <agnieszka.topolska@degruyter.com>
To: Yuliani Yuliani <yuliani.sains@unsur.ac.id>

Dear Dr. Yuliani Yuliani,

Your submission entitled "Evaluation and Possible Mechanism of Beet Armyworm (Spodoptera exigua Hubner) Resistance to Chlorpyrifos and Their Sensitivity to Neem Oil Insecticides" has been received by journal Open Agriculture

You will be able to check on the progress of your paper by logging on to Editorial Manager as an author. The URL is https://www.editorialmanager.com/opag/.

Your manuscript will be given a reference number once an Editor has been assigned.

Thank you for submitting your work to this journal.

Kind regards,

Open Agriculture

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yuliani sains <yuliani.sains@unsur.ac.id>

Your Submission OPAG-D-20-00018 - Open Agriculture

1 message

Open Agriculture <em@editorialmanager.com> Thu, Mar 5, 2020 at 4:11 AM
Reply-To: Open Agriculture <agnieszka.topolska@degruyter.com>
To: Yuliani Yuliani <yuliani.sains@unsur.ac.id>

Ref.: Ms. No. OPAG-D-20-00018
Evaluation and Possible Mechanism of Beet Armyworm (Spodoptera exigua Hubner) Resistance to Chlorpyrifos and Their Sensitivity to Neem Oil Insecticides
Open Agriculture

Dear Dr. Yuliani Yuliani,

Reviewers have now commented on your paper. You will see that they are advising that you revise your manuscript. If you are prepared to undertake the work required, I would be happy to receive your revised paper.

For your guidance, reviewers' comments are appended below.

If you decide to revise the work, please submit a list of changes or a rebuttal against each point which is being raised when you submit the revised manuscript. Please, also make sure that all changes in the revised manuscript are highlighted and references are prepared according to our Instructions (https://www.degruyter.com/view/supplement/s23919531_Instructions_for_Authors.pdf).

Your revision is due by Apr 03, 2020.

To submit a revision, go to https://www.editorialmanager.com/opag/ and log in as an Author. You will see a menu item call Submission Needing Revision. You will find your submission record there.

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Yours sincerely,
Agnieszka Topolska, Ph.D.
Managing Editor
Open Agriculture

Reviewers' comments:

Reviewer#1:

The subject matter is interesting but the style of writing does not follow certain scientific standards. The quotes are very badly done and the discussions unstructured. The methodology lacks a control test, which does not allow a good interpretation of the results obtained. In addition, no results concerning the test with neem oil were presented in the document. The conclusion only repeats the results.

Introduction
In all the manuscript, the authors are badly cited.
1. For example in introduction line 6:
- Just the name of the first author must be write so replace “Ahmad, Farid and Saeed, 2018 » by «Ahmad et al. 2008 »
- Put all author citation in the same bracket (Ahmad et al. 2018; Jia et al. 2009; Che et al. 2013; Su and Sun 2014).
- order citations from oldest to most recent. (Jia et al. 2009; Che et al. 2013; Su and Sun 2014; Ahmad et al. 2018).
Another example,
Introduction Line 9: Add the year of publication in brackets after “Wibisono et al.” and clears at the end of the sentence “(Wibisono et al., 2007)”. This type of error is in all the manuscript.
2. Introduction Line 10: this affirmation is false “However, the mechanism of resistance of S. exigua to synthetic insecticides has not been reported”

Several authors have reported the mechanism of resistance of S. exigua to synthetic insecticides. For example:

- Byrne, F. J., & Toscano, N. C. (2001). An Insensitive Acetylcholinesterase Confers Resistance to Methomyl in the Beet Armyworm Spodoptera exigua (Lepidoptera: Noctuidae). Journal of Economic Entomology, 94(2), 524–528. doi:10.1603/0022-0493-94.2.524
- Gao, M., Mu, W., Wang, W. et al. Resistance mechanisms and risk assessment regarding indoxacarb in the beet armyworm, Spodoptera exigua . Phytoparasitica 42, 585–594 (2014). https://doi.org/10.1007/s12600-014-0396-3
- Wang, W., Mo, J., Cheng, J., Zhuang, P., & Tang, Z. (2006). Selection and characterization of spinosad resistance in Spodoptera exigua (Hübner) (Lepidoptera: Noctuidae). Pesticide Biochemistry and Physiology, 84(3), 180–187. doi:10.1016/j.pestbp.2005.07.002
- Liu Yongjie, Shen Jinliang. Cuticular penetration mechanism of resistance to lambda--cyhalothrin in Spodoptera exigua (Hubner) Kun Chong xue bao. Acta Entomologica Sinica. 2003 ;46(3):288-291.
- Ahmad, M., & Arif, M. I. (2010). Resistance of beet armyworm Spodoptera exigua (Lepidoptera: Noctuidae) to endosulfan, organophosphorus and pyrethroid insecticides in Pakistan. Crop Protection, 29(12), 1428–1433. doi:10.1016/j.cropro.2010.07.025

There have also been studies on the resistance mechanisms of S. exigua to Chlorpyrifos, which is a subject of this study. For example:

- Hu, B., Huang, H., Wei, Q., Ren, M., Mburu, D. K., Tian, X., & Su, J. (2019). Transcription factors CncC/Maf and AhR/ARNT coordinately regulate the expression of multiple GSTs conferring resistance to chlorpyrifos and cypermethrin in Spodoptera exigua. Pest Management Science. doi:10.1002/ps.5316
- Hu, B., Hu, S., Huang, H., Wei, Q., Ren, M., Huang, S., … Su, J. (2019). Insecticides induce the co-expression of glutathione S-transferases through ROS/CncC pathway in Spodoptera exigua. Pesticide Biochemistry and Physiology. doi:10.1016/j.pestbp.2019.01.008
- Cui, L., Yuan, H., Yang, D., Rui, C., & Mu, W. (2017). The Mechanism by Which Dodecyl Dimethyl Benzyl Ammonium Chloride Increased the Toxicity of Chlorpyrifos to Spodoptera exigua. Frontiers in Pharmacology, 8. doi:10.3389/fphar.2017.00475

It would be necessary to make a serious review of literature to raise the importance of your study.

3. The last paragraph of the introduction needs to be restructured. The justification for the use of neem oil must be made before concluding on the aim of the study.

4. Last line of the introduction replace “oil” by “Oil”

Material and methods

5. Line 1 replace “The” by “the”

6. How many concentration of Chlorpyrifos were tested in this study?

7. Are Brebes (Central Java) and Cipanas (West Java) fields treated with insecticides? This should be clarified in the methodology.

8. For each type of test how many repetitions were done?

7. How are you tested the natural mortality? it is important to know the natural mortality especially at the level of the topical test because the fact of immersing the larvae on ice bath before the application of insecticide solution can act on the mortality of the insects and therefore bias the results.

8. What dose of neem oil has been tested?

Results and discussion

9. What are the lethal dose of Chlorpyrifos at each period time (24, 48 and 72 hours)?

10. The results showed that the S. exigua of the Brebes samples had moderate resistance, and the Cipanas samples had low resistance against the insecticide. Which larvae were used for biochemical analysis? Because it was mentioned in the methodology that biochemical analysis of resistance mechanism was carried out on highly resistant S. exigua samples.

11. Delete the sentence “In tables 1,2,3 and 4……coefficient of variation”

Replace “were1.289” by “were 1.289”

Replace “were2.22” by “were were 2.22”

Abstract

Line 3 complete the phase “ to determine the possible mechanism of ….”

Line 5 replace “LC 50” by “LC50”

Reviewer #2: 1. The aim of this research was to test resistance of S. exigua to chlorpyrifos, and to determine the possible mechanism. What is the possible mechanism?

2. The resistivity of S. exigua was correlated with the activity of acetylcholinesterase (AChE), esterase, and glutathione S-transferase (GST) enzymes. It was tested in two different area which are Brebes and Cipanas. What is the reason by choosing this places? The resistance is highly related with many factors such as temperature, climate change, soil conditions, location levels, and others. How do you explain that your results were not effected by those factors? if it is influenced by these factors, then your results are in doubt.

3. In the Introduction, the background of the research was incomplete. Explain how previous research has dealt with

similar problems and to show the novelty, explain how their research is compared to your proposed method.
4. In Materials and Methods section, clearly explain how samples were tested and evaluated.
5. To get more comprehensive information, molecular testing needs to be done.

Reviewer #3: 1. Authors need to improved the introduction with more literature (International Journal) which were published in the last three years to indicated your novelty/ contributions.
2. Improved the experiment method in section 2 by rigorously explain about the process of all material and equipment were used, and also how the data were obtained measured.
3. All equation must be written using equation format (all variable must be in italic) and the equations number must be justify.

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yuliani sains <yuliani.sains@unsur.ac.id>

Submission Confirmation for OPAG-D-20-00018R1

1 message

Open Agriculture <em@editorialmanager.com> Sat, Apr 4, 2020 at 12:01 AM
Reply-To: Open Agriculture <agnieszka.topolska@degruyter.com>
To: Yuliani Yuliani <yuliani.sains@unsur.ac.id>

Ref.: Ms. No. OPAG-D-20-00018R1
Evaluation and Possible Mechanism of Beet Armyworm (Spodoptera exigua Hubner) Resistance to Chlorpyrifos and Their Sensitivity to Neem Oil Insecticides

Dear Dr. Yuliani Yuliani,

Open Agriculture has received your revised submission.

You may check the status of your manuscript by logging onto Editorial Manager at (https://www.editorialmanager.com/opag/).

Kind regards,

_____

In compliance with data protection regulations, you may request that we remove your personal registration details at any time. (Use the following URL: https://www.editorialmanager.com/opag/login.asp?a=r). Please contact the publication office if you have any questions.

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yuliani sains <yuliani.sains@unsur.ac.id>

Your Submission OPAG-D-20-00018R1 - Open Agriculture

2 messages

Open Agriculture <em@editorialmanager.com> Tue, Sep 15, 2020 at 4:37 PM
Reply-To: Open Agriculture <agnieszka.topolska@degruyter.com>
To: Yuliani Yuliani <yuliani.sains@unsur.ac.id>

Ref.: Ms. No. OPAG-D-20-00018R1
Evaluation and Possible Mechanism of Beet Armyworm (Spodoptera exigua Hubner) Resistance to Chlorpyrifos and Their Sensitivity to Neem Oil Insecticides
Open Agriculture

Dear Dr. Yuliani Yuliani,

Reviewers decided to have some more comments on your article. If you are prepared to undertake the work required, I would be happy to receive your revised paper.

For your guidance, reviewers' comments are appended below.

If you decide to revise the work, please submit a list of changes or a rebuttal against each point which is being raised when you submit the revised manuscript. Please, also make sure that all changes in the revised manuscript are highlighted and references are prepared according to our Instructions (https://www.degruyter.com/view/supplement/s23919531_Instructions_for_Authors.pdf).

Your revision is due by Oct 04, 2020.

To submit a revision, go to https://www.editorialmanager.com/opag/ and log in as an Author. You will see a menu item call Submission Needing Revision. You will find your submission record there.

Please note - the APC is 1000 EUR plus VAT (if applicable), plus money transfer charges.

Please, submit signed License to Publish with your revision, which can be retrieved from here - https://www.degruyter.com/view/supplement/s23919531_Open_Access_License.pdf

Yours sincerely,
Agnieszka Topolska, Ph.D.
Managing Editor
Open Agriculture

Reviewers' comments:

Reviewer #4: The manuscript titled "Evaluation and possible mechanism of beet armyworn (Spodoptera exigua Hubner) resistance to chlorpyrifos and their sensivity to Neem oil insecticides)", describes a research that could be very interesting but has weaknesses that seriously diminish its chance of being published.

Some weaknesses found are:

Abstract:

The summary does not inform why resistance is studied in this species: is it important? is it pest? that attacks crops? is it a real problem in Indonesia?.

Introduction:

- The problem of resistance is discussed but not because it is necessary to study it in this pest.
- Some of the authors cited on resistance of Spodoptera exigua report on the level of resistance ?, for example, if an insecticide application was made in 10 hectares, then, at least 5 hectares, high populations of the live insect were found,

which would indicate little effectiveness of the product or resistance of the insect.
- Standardize the way of citing: Ahmad et al., , 2018……Wibisono et al., (2007)
- With so many examples on resistance of S. exigua to different types of insecticides, because the only example (only one is very little) on the role of the GST enzyme is carried out with an insect of a totally different order than the problem insect (Lepidoptera vs Blattodea).
- The use of Neem in research is not warranted. What antecedents are there to believe that this pest will be susceptible to essential oil? (References!!)

Material and Methods:

- Of the six concentrations used, what it was the criteria for selection?
- It is not indicated what the control corresponds to.
- For the acronym with liter "l", use "L", example: g/L, µL, mL, etc.
- Is it really necessary to use two sampling locations for this investigation?
- If necessary, what makes both places special? On which crops were the insects collected? Are the insect attacks similar to both sites? Was the same insecticide (chlorpyrifos) applied at both sites?
-"The maintenance of the test insects followed the procedures described bt Negara (2005) and Wibisono et al. (2007)"….ok but, How is the "maintenance" of insects carried out?
-In the
- The insects were subjected to an acclimatization time before the experiments?
- What type of leaves were the larvae fed in the feed residues test?
- -At this point I have a great doubt. If the authors indicate in the title the importance of Neem as an insecticidal alternative to chlorpyrifos, why was Neem not evaluated as another treatment in all the trials carried out?
- What does (sub 2.1) mean?
- How do the authors ensure that the possible mortality that could occur in the control occurred naturally and not due to another factor?. In this sense, the authors should estimate the mortality corrected by the Abbott formula: % corrected mortality = 100 (% treated mortality - control mortality)/(100% - Mortality control).
The authors are suggested to review this point since, for example, if the mortality percentage in the control was equal to or greater than 20%, the treatment should be discarded and it would have to be repeated since it is not valid for subsequent statistical analyzes.

Results and discussion:
-"AchE activity has a correlation with the level of resistance to insecticides by inhibiting AChE (Stankovic and Rahovic, 2017)….. What type of correlation do the authors refer to? ... and what do say Stankovic and Rahovic (2017) about it?
-Tarwotjo and Rahadian…..year???
-S. exigua it is italic: S. exigua
-A table of results of enzymatic analyzes remains to be added.

Reviewer #5:
**suggested improvements
Abstract
Line 1&2 author to complete the aim of the research. To read as…….to test for resistance of S.exigua to chlorpyrifos and determine the possible mechanism of resistance to S. exigua.
Keywords… for the three acetylcholinesterase, esterase and glutathione S-transferase can be represented by enzymes considering that only 5 key words are needed.
Introduction
Line 2 delete is
Line 3 delete which is and replace with has been reported
Line 3, 4, 5 and 7 No need for author to write all insecticides 3 examples include chlorpyrifos our interest are enough. The rest can be deleted
Line 8 must be written as Wibisono and others (2007) as it is opening of sentence and cancel the citation at the end of sentence in line 9, 12/13, 13/14 and 19/20.
Line 9 is it true that there is no works on the mechanism of resistance of S.exigua to synthetic insecticide?
Materials and methods
Line 2 author better say 10 second-instar larvae
Line 7 author must be specific- what is particular concentration. Please name or make reference is already talked about in the paper
Line 11 and 12 replace could be with was
Author to please check the numbering of subtitles under 2.1 in particular Determination of resistance level not numbered.

Under 2.2 analysis of resistance mechanisms
Line 2 author uses in feed residue Test 2nd instar and 3rd instar under analysis of resistance mechanisms why the inconsistence? Does this not affect results?

Same question for 3rd instar larvae homogenates used for standard sample verses F1 generation used for field sample? Doesn't the differences in developmental stages affect the results?
Under 2.2.2 line1/2 delete ….by the method of Yu et al.
Line 2 light absorption is…. Delete is and replace it with was
Under 2.3 line 2 replace is with was

_____

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yuliani sains <yuliani.sains@unsur.ac.id> Wed, Sep 16, 2020 at 10:20 AM
To: aan.yuliani@yahoo.co.id

[Quoted text hidden]

Gmail

yuliani sains <yuliani.sains@unsur.ac.id>

Your PDF Evaluation and Possible Mechanism of Beet Armyworm (Spodoptera exigua Hubner) Resistance to Chlorpyrifos and Their Sensitivity to Neem Oil Insecticides has been built and requires approval

1 message

Open Agriculture <em@editorialmanager.com> Sun, Oct 4, 2020 at 10:39 PM
Reply-To: Open Agriculture <agnieszka.topolska@degruyter.com>
To: Yuliani Yuliani <yuliani.sains@unsur.ac.id>

Dear Dr. Yuliani,

The PDF for your submission, "Evaluation and Possible Mechanism of Beet Armyworm (Spodoptera exigua Hubner) Resistance to Chlorpyrifos and Their Sensitivity to Neem Oil Insecticides" is ready for viewing.

This is an automatic email sent when your PDF is built. You may have already viewed and approved your PDF while on-line, in which case you do not need to return to view and approve the submission

Please go to https://www.editorialmanager.com/opag/ to approve your submission.

Username: yuliani
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Your submission must be approved in order to complete the submission process and send the manuscript to the Open Agriculture editorial office.

Please view the submission before approving it to be certain that your submission remains free of any errors.

Thank you for your time and patience.

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yuliani sains <yuliani.sains@unsur.ac.id>

Action: Proof of opag-2020-0078 for Open Agriculture ready for review

2 messages

DegruyterProofing@mpslimited.com <DegruyterProofing@mpslimited.com> Tue, Nov 24, 2020 at 4:49 PM
To: yuliani.sains@unsur.ac.id
Cc: Agnieszka.Topolska@degruyter.com

Dear Yuliani Yuliani,

The proof of your article "Evaluation and Possible Mechanism of Beet Armyworm (Spodoptera exigua Hubner) Resistance to Chlorpyrifos and Their Sensitivity to Neem Oil Insecticides" is now available as a PDF to review and annotate electronically.

To review your proof click on the following link (we recommend Adobe Acrobat Reader 11 or later):

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Please let us know if you have any questions.

Best wishes,
Editorial Office
Open Agriculture

yuliani sains <yuliani.sains@unsur.ac.id> Thu, Nov 26, 2020 at 7:00 PM
To: DegruyterProofing@mpslimited.com

Dear, Dr. Agnieszka Topolska,
I am Yuliani, the author of the article ID: opag-2020-0078, I apologize for the wrong response yesterday. And now, I am sending more feedback and corrections to my articles. Thank you for the opportunity that has been given to me.
Regards best,
Yuliani
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2 messages

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To: yuliani.sains@unsur.ac.id
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Dear Yuliani Yuliani,

Thank you for participating in the review of this article proof and for submitting your comments. This is the confirmation that your comments for the article Evaluation and Possible Mechanism of Beet Armyworm (Spodoptera exigua Hubner) Resistance to Chlorpyrifos and Their Sensitivity to Neem Oil Insecticides have been received and you will not be able to submit further corrections.

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yuliani sains <yuliani.sains@unsur.ac.id> Wed, Nov 25, 2020 at 11:05 PM

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Dear,
Thank you for the opportunity that has been given to me, for that I send comments and corrections to my article

Many thanks
Yuliani
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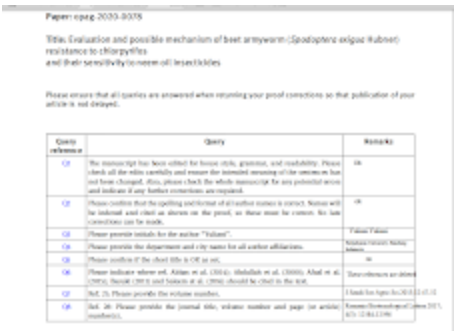

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4 messages

Chendur <chendur.pandian@mpslimited.com> Wed, Nov 25, 2020 at 8:56 PM
Reply-To: chendur.pandian@mpslimited.com
To: yuliani.sains@unsur.ac.id
Cc: Agnieszka.Topolska@degruyter.com

Dear Yuliani Yuliani,

Thank you for sending the corrections for your article.

We have had a look at them and it looks like the proof query responses have not come through, please find attached a list of queries which were raised.

Could you please send your responses to these so that we can take your article to the next stages.

Regards, Chendur

Chendur Pandian S

Direct: +91 (0)44 4916 2265

Mobile: +91 (0)72990 44926

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yuliani sains <yuliani.sains@unsur.ac.id> Wed, Nov 25, 2020 at 11:07 PM
To: chendur.pandian@mpslimited.com

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I am Yuliani, the author of the article ID: opag-2020-0078, I apologize for the wrong response yesterday. And now, I am sending more feedback and corrections to my articles. Thank you for the opportunity that has been given to me.
Regards best,
Yuliani
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Chendur <chendur.pandian@mpslimited.com> Thu, Nov 26, 2020 at 7:04 PM
Reply-To: chendur.pandian@mpslimited.com
To: yuliani sains <yuliani.sains@unsur.ac.id>
Cc: Agnieszka.Topolska@degruyter.com

Dear Yuliani,

Thank you for sending additional corrections, we'll accommodate this.

Regards, Chendur

Chendur Pandian S

Direct: +91 (0)44 4916 2265

Mobile: +91 (0)72990 44926

[Quoted text hidden]
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yuliani sains <yuliani.sains@unsur.ac.id>

Action: Revised proof of opag-2020-0078 for Open Agriculture ready for review

1 message

DegruyterProofing@mpslimited.com <DegruyterProofing@mpslimited.com> Sat, Nov 28, 2020 at 6:58 PM
To: yuliani.sains@unsur.ac.id
Cc: Agnieszka.Topolska@degruyter.com

Dear Yuliani Yuliani,

The revised proof of your article "Evaluation and Possible Mechanism of Beet Armyworm (Spodoptera exigua Hubner) Resistance to Chlorpyrifos and Their Sensitivity to Neem Oil Insecticides" is now available as a PDF to review and annotate electronically.

To review your revised proof click on the following link (we recommend Adobe Acrobat Reader 11 or later):

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If you are unable to meet this deadline, you encounter any problems or have further questions, please contact the Managing Editor, (Dr. Agnieszka Topolska, Agnieszka.Topolska@degruyter.com), and reference your article ID in all correspondence.

Please let us know if you have any questions.

Best wishes,
Editorial Office
Open Agriculture