

HEAL: Submission Confirmation for HEAL-D-17-00055R1

From: HEAL Editorial Office (em@editorialmanager.com)

To: sn_ethica@yahoo.com

Date: Monday, 12 February 2018, 23:28 GMT+7

Ref.: Ms. No. HEAL-D-17-00055R1

The Development Method of Bioremediation of Hospital Biomedical Waste using Hydrolytic Bacteria

Dear Dr. Ethica,

Health and Technology has received your revised submission.

You may check the status of your manuscript by logging onto Editorial Manager at <https://heal.editorialmanager.com/>.

Kind regards,

Editorial Office
Health and Technology

HEAL: Your manuscript entitled The Development Method of Bioremediation of Hospital Biomedical Waste using Hydrolytic...

From: Luis Kun (em@editorialmanager.com)

To: sn_ethica@yahoo.com

Date: Friday, 20 April 2018, 03:40 GMT+7

Ref.: Ms. No. HEAL-D-17-00055R1

The Development Method of Bioremediation of Hospital Biomedical Waste using Hydrolytic Bacteria
Health and Technology

Dear Dr. Ethica,

I am pleased to tell you that your work has now been **accepted** for publication in Health and Technology.

Thank you for submitting your work to this journal.

With kind regards

Luis Kun, Prof. Dr.
Editor-in-Chief
Health and Technology

Reviewer #2: Please see attached file.

HEAL: Your manuscript entitled Bioremediation Strategy for Handling Biomedical Waste of Hospitals in Central Java using...

From: Luis Kun (em@editorialmanager.com)

To: sn_ethica@yahoo.com

Date: Tuesday, 16 January 2018, 23:45 GMT+7

Ref.: Ms. No. HEAL-D-17-00055

Bioremediation Strategy for Handling Biomedical Waste of Hospitals in Central Java using Hydrolytic Bacteria Health and Technology

Dear Dr. Ethica,

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 pleased to reconsider my decision.

The reviewers' comments can be found at the end of this email or can be accessed by following the provided link.

This is your login information:

Your username is: sn_ethica

If you forgot your password, you can click the 'Send Login Details' link on the EM Login page at <https://heal.editorialmanager.com/>.

When revising your work, please submit a list of changes or a rebuttal against each point which is being raised when you submit the revised manuscript.

Your revision is due by 15 Feb 2018.

To submit a revision, go to Editorial Manager website and log in as an Author. You will see a menu item called 'Submissions Needing Revision'. You will find your submission record there.

Please make sure to submit your editable source files (i. e. Word, TeX).

Yours sincerely

Luis Kun, Prof. Dr.
Editor-in-Chief
Health and Technology

Reviewers' comments:

Reviewer #2:

Here I describe the results of a review of the Manuscript entitled: Bioremediation strategy for handling biomedical waste of hospitals in Central Java using hydrolytic bacteria

A. General Comments

1. Importance of the article topic

Topic of this paper makes an important contribution to solve the problem of hospital biomedical waste in Indonesia, which has not been solved yet. The use of hydrolytic bacteria to conduct bioremediation of medical waste is a good and relatively new breakthrough in Indonesia, mainly in Central Java.

2. Title attractiveness

Title of this article is very interesting: describing the bioremediation strategy of hospital biomedical waste using hydrolytic bacteria. This paper is expected to contain a description of strategies to solve the problem of hospital

medical waste is increasingly and not yet resolved properly.

3. The suitability of the title with the purpose and content of the article

There is a discrepancy between titles, with the purpose and content of the article. The title suggests a description of a bioremediation strategy (concept or applied), but the purpose of the article states a proposed research strategy for finding and obtaining an economical, effective, efficient and environmentally sound bioremediation.

For this issue, I suggest two things:

- a. If the paper content description adjusts the title, then the authors should describe in depth the bioremediation "strategy". (For example, the author can read: Ambali AR et al 2013. Environmental Policy in Malaysia: Biomedical Waste, Strategies and Issues Journal of Administrative Science, Vol. 10 Issue 1)
- b. If you follow the purpose of writing the article, the existing title becomes less precise, and needs to be changed towards: the development method of bioremediation of hospital biomedical waste using hydrolytic bacteria.

4. General structure of review articles

The sequence of this article is not enough to direct the reader to quickly understand the subject matter of the article. It would be better if the authors rearrange the systematics of this paper. There are many examples to follow, for example: Kapoor D et al. 2014. Knowledge and awareness regarding biomedical waste in dental teaching institution in India - A systematic review, J Clin Exp Dent. 2014; 6 (4): e419-24.

B. Specific comments

1. Abstract; clear enough
2. Introduction

Paragraph 1 (on page 1 lines 47 to 59 until page 2 lines 4-6) and paragraph 2 (page 2 lines 8 to 21) need to be connected between the increase of the number of hospitals with the volume of generated-waste.

On the page 2 lines 23-25, is the WWTP data still relevant for the current condition? (the authors refer to the old reference 2002; not up to date data).

Page 3 lines 25-29, the statement of the purpose of the article does not match with the context of the title of this article.

3. Method

Description of the method on page 3 line 43-49, is not clear enough to explain how the article is written.

Preferably, the method includes the following points:

- a. Eligibility criteria of the study
- b. Identify relevant studies
- c. Selection of relevant studies
- d. Collection and extraction of data

4. Results

a. Explanation about "Biomedical Waste Hospital and its treatment in Indonesia" should include:

- 1) How much the waste volume is? What kind of waste?
 - 2) How is the treatment done so far?
 - 3) What is the quality of treatment that has been running? (state the parameter data and achievement value)
 - 4) What are the remaining problems? How are bioremediation opportunities?
- b. Page 4 line 8; does the "Hospitals in Indonesia consist of" statement suitable for all hospitals in Indonesia? Preferably: "Hospitals in Indonesia usually consist of."

c. Page 4 line 54. Subtitle "Bioremediation as treatment of biomedical waste" should include:

- 1) Definition
- 2) Working principle
- 3) Tools and materials
- 4) Application examples and results
- 5) Advantages and disadvantages of available methods
- 6) Future improvement opportunities

5. Figure 1 and 2

Both images do not explain the bioremediation strategies that written in the title, but only show the contribution of existing research results (Figure 1), while Figure 2 shows the steps to be taken to obtain bioremediation agents. The bioremediation strategy intended for the title has not been described.

C. Conclusion of the review

1. Need major improvement (as per the above suggestion)
2. The author should choose one of the following options: retain the title but override the contents, or alter the title to retain and enrich the content.

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