

Journal of Aquaculture Science



JOURNAL OF AQUACULTURE SCIENCE

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Author Index

Volume 10 Number 1 April 2025

Ade Dwi Sasanti
Agus Priyadi
Ahmad Shofy Mubarak
Ainulyakin Imlani
Antoni Harahap
Arini Febrianti
Asep Permana
Ateng Supriatna
Azmi Afriansyah
Bastiar Nur
Chairul Rusyd Mahfud
Darmawan Setia Budi
Darsiani
Dewi Yuniati
Dian Lestari
Fauzia Nur
Gunanti Mahasri
Jefri Anjaini
Kemuning Cahyaning Tyas Sofyan
Khansa Ilma Nafi'ah

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Lia Oktavia Ika Putri
Lilik Setyaningsih
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Lilis Cahaya Septiana
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Sawung Cindelaras
Sefti Heza Dwinanti
Sulasy Rohmy
Taufik Budhi Pramono
Yanti Mutalib

Subject Index

Volume 10 Number 1 April 2025

Anatomical pathology	Feed utilization
Aquaculture	Fermented coffee husk
<i>Artemia salina</i>	Goldfish (<i>Carassius auratus</i>)
Artificial seawater	Growth
Artificial spawning	Growth pattern
Bacterial density	Growth performance
Bittern mineral	Isolate soy protein (ISP) flour
Blood glucose levels	Molasses
Brightness	Ovaprim™
Bronze featherback (<i>Notopterus notopterus</i>)	Probiotics
Carrot meal	Salinity
Commercial feed	Seabass (<i>Lates calcarifer</i>),
Container color, growth,	Striped catfish (<i>Pangasionodon Hyphophtalmus</i>)
Enrichment	Survival rate
Environmental	<i>Trichodina</i>
<i>Epinephelus</i> sp.	Vannamei (<i>Litopenaeus vannamei</i>)

Description

Journal of Aquaculture Science (JoAS) registered with p-ISSN number: 2550 - 0910, e- ISSN: 2579 - 4817, published by the Aquaculture Study Programme, Faculty of Fisheries and Marine Sciences, Universitas Airlangga.

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Journal of Aquaculture Science (JoAS) is to present research articles, review articles, short communications and technical reports on Fisheries and Marine Science published twice a year (April and October). Journal of Aquaculture Science is a media for researchers, students and fisheries practitioners. All articles published by the Journal of Aquaculture Science are published through the Open Journal System (OJS). Information about article loading and writing guidelines is available on the website: <https://e-journal.unair.ac.id/JoAS/index>

VISION

Become a reputable journal in the field of fisheries, both nationally and internationally

MISSION

1. As a medium of intellectual development for the academic community in support of Universitas Airlangga's development into a world-class university;
2. To organise accountable and high quality journal management in order to increase the number of intellectual products in the form of scientific journals;
3. To become a leading reference for the academic community and researchers in the field of fisheries, particularly aquaculture.

Focus and Scope: aquaculture, fish reproduction and disease, aquaculture and aquatic environment, and biotechnology.

Main Language: English

Articles accepted by the Journal of Aquaculture Science (JoAS) are:

1. Original Articles
2. Article Review
3. Short Communication
4. Technical note

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Writer's Guide for Online Submissions

How to Register as an Author

- Visit Website <http://joas.co.id/index.php/JoAS/index>
- Click on the "Register" link.
- Fill in all the required information on the registration form.
- All fields that have a '*' (star) are mandatory.
- Users can register as Reader and/Author. Under the "register as" field, it can be selected as an "Author" as well. Only those users who have registered as "Author" can submit manuscripts online. If you forget to register as Author, you can change your role from Reader to Author. For this, after logging in click on the "edit my profile" link. Under the "role" heading, then select the role as Author.
- After filling in all the required details, click on the register button.
- If the registration is successful, you can immediately login as an author using the username and password you have registered. You will also receive an email informing you of the details of your registration.

How to Login and what is Author's user home page?

- To login to the system, click on the login link on the top sub menu, then enter the username and password that has been registered.
- After logging in, the "user home page" will appear, which has links to "Author", "Active article". & "New Submission".
- Clicking on the "Author" link will take you to a page that will show you links to "Active" & "Archived" articles.
- To check the status or details of an article, click the "Active" link. To submit a new article, click the "New submission" link.
- To change your profile, click on the "Edit My Profile" link under the "My Account" section. You can also change your password here.

How do I submit my manuscript online?

Online submission is a five-step submission process as below:

1. START
2. UPLOAD SUBMISSION
3. ENTER METADATA
4. UPLOAD SUPPLEMENTARY FILES
5. CONFIRMATION

Click on "New submission" (if you are already on the "user home page" after login) as shown in figure 1 below.



Figure 1. Starting new submission

The five-step submission process is described below:

Step 1; Initiate Submission

Submission Language : select the language of the article you wish to submit.

Submission Checklist: Author must agree to some JoAS requirements.

Copyright Notice: Author must agree to the terms of copyright registration.

Journal Privacy Statement: Author must agree to the Journal Privacy Statement.

Comments for the Editor: You are allowed to add any comments you want for the editor

HOME ABOUT USER HOME SEARCH CURRENT ARCHIVES ANNOUNCEMENTS

Home > User > Author > Submissions > **New Submission**

Step 1. Starting the Submission

1. **START** 2. UPLOAD SUBMISSION 3. ENTER METADATA 4. UPLOAD SUPPLEMENTARY FILES 5. CONFIRMATION

Encountering difficulties? Contact [Suciyo, S.St.Pi., M.P](#) for assistance (+62 857-8558-2992).

Submission Language

This journal accepts submissions in several languages. Choose the primary language of the submission from the pull-down below.

Language * English

Submission Checklist

Indicate that this submission is ready to be considered by this journal by checking off the following (comments to the editor can be added below).

- ☐ Penyerahan belum diterbitkan sebelumnya, atau sedang dalam pertimbangan jurnal lain (atau sebuah penjelasan belum disediakan dalam komentar kepada editor).
- ☐ File naskah dalam format file dokumen OpenOffice, Microsoft Word, RTF, atau WordPerfect.
- ☐ Ketika tersedia, URLs untuk referensi telah disediakan.
- ☐ Teks 1 spasi; font 12; italic; tidak digaribawahi (kecuali alamat URL); dan semua ilustrasi, figur, dan tabel yang ditempatkan di dalam teks pada poin yang tepat, jangan di akhir.
- ☐ Teks yang mematuhi persyaratan mengenai perpustakaan dan gaya bahasa digambarkan secara garis besar di [Petunjuk Penulis](#), yang akan ditemukan dalam halaman Tentang Kami.
- ☐ Jika penerimaan untuk bagian blind peer-review dari jurnal, instruksinya terdapat di [Memastikan Reviewer Anonim](#) telah diikuti.

Copyright Notice

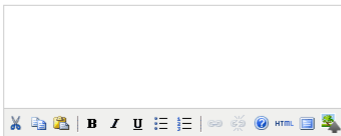
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Comments for the Editor

Enter text (optional)



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Figure 2. First step of submission

Step 2: Uploading the Manuscript

Submission File: The submission file is your manuscript document. The submission file should be a .word document for editing purposes in the next step. Keep the manuscript file to a minimum. If the file size is larger, remove some figures, tables, curves, etc. from the main document to reduce the file size. Figures, tables, curves, etc. can be uploaded in step 4 "Uploading Supplementary Files".

Choose File: click on "browse" or "Choose File" to open the Choose File Window to search for files on your computer storage. Find the file you want to submit and select it. Click "open" in the Choose File Window, which places the name of the file on this page.

File Upload: Don't forget to click Upload, which uploads the file from your computer to the journal website and names it according to the journal's requirements. If you upload the wrong file, you can replace the file by re-uploading a new file.

The screenshot displays the 'Step 2. Uploading the Submission' page of the JoAS submission system. At the top, a navigation bar includes links for HOME, ABOUT, USER HOME, SEARCH, CURRENT, ARCHIVES, and ANNOUNCEMENTS. Below this, a breadcrumb trail reads 'Home > User > Author > Submissions > New Submission'. The main heading is 'Step 2. Uploading the Submission'. A progress bar shows five steps: 1. START, 2. UPLOAD SUBMISSION (active), 3. ENTER METADATA, 4. UPLOAD SUPPLEMENTARY FILES, and 5. CONFIRMATION. Instructions for uploading a manuscript are provided, followed by a list of five steps: 1. Click Browse (or Choose File) to open the Choose File window. 2. Locate the file to submit and highlight it. 3. Click Open on the Choose File window. 4. Click Upload on this page. 5. Once the submission is uploaded, click Save and Continue. A contact link for Suciyo, S.St.Pi., M.P. is provided. The 'Submission File' section shows a table with file details: File Name (108-311-1-SM.pdf), Original file name (102-291-1-SM (1).pdf), File Size (1MB), and Date uploaded (2020-07-21 03:35 PM). Below the table, there is a 'Replace submission file' section with a 'Choose File' button, a 'No file chosen' text, and an 'Upload' button. At the bottom, there are 'Save and continue' and 'Cancel' buttons.

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Home > User > Author > Submissions > New Submission

Step 2. Uploading the Submission

1. START 2. **UPLOAD SUBMISSION** 3. ENTER METADATA 4. UPLOAD SUPPLEMENTARY FILES 5. CONFIRMATION

To upload a manuscript to this journal, complete the following steps.

1. On this page, click Browse (or Choose File) which opens a Choose File window for locating the file on the hard drive of your computer.
2. Locate the file you wish to submit and highlight it.
3. Click Open on the Choose File window, which places the name of the file on this page.
4. Click Upload on this page, which uploads the file from the computer to the journal's web site and renames it following the journal's conventions.
5. Once the submission is uploaded, click Save and Continue at the bottom of this page.

Encountering difficulties? Contact [Suciyo, S.St.Pi., M.P](#) for assistance (+62 857-8558-2992).

Submission File

File Name	108-311-1-SM.pdf
Original file name	102-291-1-SM (1).pdf
File Size	1MB
Date uploaded	2020-07-21 03:35 PM

Replace submission file No file chosen

Figure 3. Uploading the manuscript file

hen the file submission is successfully uploaded, click "save and continue" to go to the next step.

Step 3: Filling in the Metadata Submission

Author Details: the first part of the author metadata cover. Author who has submitted fill in author details such as name, email, organisation, country, etc will be displayed automatically on Author metadata. Click the "add author" button to add another author and fill in the author details.

Title and Extract: enter the title and extract of the article. It is not allowed to use title formats such as bold, italics, etc.

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Step 3. Entering the Submission's Metadata

1. START
2. UPLOAD SUBMISSION
3. ENTER METADATA
4. UPLOAD SUPPLEMENTARY FILES
5. CONFIRMATION

Form Language

English
Submit

To enter the information below in additional languages, first select the language.

Authors

First Name *

Muchtar

Middle Name

Last Name *

Muchtar

Email *

muchtar14nov@gmail.com

ORCID iD

ORCID iDs can only be assigned by [the ORCID Registry](#). You must conform to their standards for expressing ORCID iDs, and include the full URI (eg. <http://orcid.org/0000-0002-1825-0097>).

URL

Affiliation

(Your institution, e.g. "Simon Fraser University")

Country

Indonesia

Bio Statement
(E.g., department and rank)

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Add Author

Title *

Abstract *

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Figure 4. Details of aithor, tittle and metadata

Indexing: adding keywords in the indexing section which can help in article search.

Contributors and Supporting Agencies: identify agencies (people, organisations, or services) that have contributed to the content or provided funding or support for the submission.

References: Provide a formatted list of references in the work cited in this submission.

Indexing

Language

English=en; French=fr; Spanish=es. [Additional codes.](#)

Contributors and Supporting Agencies

Identify agencies (a person, an organization, or a service) that made contributions to the content or provided funding or support for the work presented in this submission. Separate them with a semi-colon (e.g. John Doe, Metro University; Master University, Department of Computer Science).

Agencies

References

Provide a formatted list of references for works cited in this submission. Please separate individual references with a blank line.

References

[Save and continue](#)

[Cancel](#)

* Denotes required field

Figure 5. Indexing, Contributors, references metadata

Step 5: Upload Supplementary files

This step is optional, supplementary files can be uploaded in formats such as TIF, JPG, GIF, Word, etc.

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Step 4. Uploading Supplementary Files

1. START 2. UPLOAD SUBMISSION 3. ENTER METADATA 4. **UPLOAD SUPPLEMENTARY FILES** 5. CONFIRMATION

This optional step allows Supplementary Files to be added to a submission. The files, which can be in any format, might include (a) research instruments, (b) data sets, which comply with the terms of the study's research ethics review, (c) sources that otherwise would be unavailable to readers, (d) figures and tables that cannot be integrated into the text itself, or other materials that add to the contribution of the work.

ID	TITLE	ORIGINAL FILE NAME	DATE UPLOADED	ACTION
15	Untitleda	102-291-1-SM (1).pdf	07-21	EDIT DELETE

Upload supplementary file

No file chosen

Figure 6. Uploading Supplementary Files

Step 4A: Adding Supplementary Files Metadata

To index these additional materials, please provide metadata information for the additional file to be uploaded.

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Step 4a. Add a Supplementary File

1. START 2. UPLOAD SUBMISSION 3. ENTER METADATA 4. **UPLOAD SUPPLEMENTARY FILES** 5. CONFIRMATION

[<< Back to Supplementary Files](#)

Form Language

To enter the information below in additional languages, first select the language.

Supplementary File Metadata

To index this supplementary material, provide the following metadata for the uploaded supplementary file.

Title *	<input type="text" value="Untitled"/>
Creator (or owner) of file	<input type="text"/>
Keywords	<input type="text"/>
Type	<input type="text" value="Research Instrument"/> Specify other <input type="text"/>
Brief description	<div><div></div><div>✂ 📄 📁 B <i>I</i> <u>U</u> ☰ ☷ 🔗 🔄 🌐 HTML 🖨 🗑</div></div>
Publisher	<input type="text"/>
Contributor or sponsoring agency	<input type="text"/>
Date	<input type="text" value="2020-07-21"/> YYYY-MM-DD
Source	<input type="text"/>
Language	<input type="text"/>

Use only with formally published materials.

Date when data was collected or instrument created.

Name of study or other point of origin.

English=en; French=fr; Spanish=es. [Additional codes.](#)

Supplementary File

File Name [108-312-1-SP.pdf](#)
 Original file name 102-291-1-SM (1).pdf
 File Size 1MB
 Date uploaded 2020-07-21 03:37 PM

☐ Present file to reviewers (without metadata), as it will not compromise blind review.

Replace file No file chosen

* Denotes required field

Figure 7. Supplementary file metadata

Click on "save and continue" to go to step 5

Step 5: Confirm Submission

You will see the file summary as shown in figure 8 below which lists the manuscript & supplementary files (if submitted). Click on "Finish Submission" to finalise the submission. Click on "Active Submission" to view the status of your article. You will receive an email notification and can view your submission process through the editorial process by logging in to the journal website.

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Step 5. Confirming the Submission

1. START 2. UPLOAD SUBMISSION 3. ENTER METADATA 4. UPLOAD SUPPLEMENTARY FILES 5. **CONFIRMATION**

To submit your manuscript to Journal of Aquaculture Science click Finish Submission. The submission's principal contact will receive an acknowledgement by email and will be able to view the submission's progress through the editorial process by logging in to the journal web site. Thank you for your interest in publishing with Journal of Aquaculture Science.

File Summary

ID	ORIGINAL FILE NAME	TYPE	FILE SIZE	DATE UPLOADED
311	102-291-1-SM (1).PDF	Submission File	1MB	07-21
312	102-291-1-SM (1).PDF	Supplementary File	1MB	07-21

Author Fees

This journal charges the following author fees.

: 0.00 (IDR) [PAY NOW](#)

: 300.00 (IDR) [PAY NOW](#)

: 0.00 (IDR)

[Finish Submission](#) [Cancel](#)

Figure 8. FinalisiSng the Submission

How do I view the submission process?

Author will be notified of the submission process by automatic email. The online publishing system notifies every important step of the review and editing process. Author must login to the system to view the submission process and take necessary actions.

Active Submission: after login. Click on the "author" link. This page will bring up two tabs or links -one for "active" & "archive". "active" will show the list of articles and their details. "archive" will show the list of published and rejected articles.

Article Status: After successful submission of the article, the system will show its status as "Awaiting Assignment". When the editor sends the article for peer review, the status will change to "in review". When the article has been accepted for publication, the status will change to "In editing".

The list of each status is described in the table below:

Status	Description
Awaitig Assignment	The submission has been completed by you. You cannot currently remove a submission from the system by yourself. Editors can view the submission, and it will be assigned to an editor or section editor. Author can still provide updates to metadata details such as author, title, abstract and keywords until the article is assigned by the editor.
Incomplete	Submission is still not complete. You have left the submission before completing the submission steps. You can return to where you left off to continue the submission.
In Review	The submission is currently under review. You will be notified of the article review decision
In Editing	Submissions have completed the review process and have been accepted for publication. Articles will go through copyediting, layout editing and proofreading processes.
Archived	Article submission has been rejected. The article is now not in the active process.

Article Details: After login, click on the article title to see the details of the article. This page will show three tabs (links), Summary, Review, & Editing. Summary shows the article summary and metadata.



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[ANNOUNCEMENTS](#)

Home > User > Author > Submissions > #64 > **Summary**

#64 Summary

[SUMMARY](#)
[REVIEW](#)
[EDITING](#)

Submission



Authors	Hapsari Kenconoajati, Nina Rofi' Rukman
Title	Daya Hambat Ekstrak Daun Kelor (<i>Moringa oleifera</i>) Terhadap <i>Aeromonas Hydrophila</i> : Studi Awal Untuk Pengobatan Aeromoniasis.
Original file	64-147-1-SM.PDF 2019-04-27
Supp. files	None
Submitter	Zullyan Ahmad AR., ST. 
Date submitted	April 27, 2019 - 04:50 AM
Section	Original Research
Editor	Muhammad Azhar 
Abstract Views	160

Status

Status	Published Vol 4, No 1 (2019): Journal Of Aquaculture Science
Initiated	2019-04-27
Last modified	2020-04-23

Submission Metadata

Authors

Name	Hapsari Kenconoajati 
Affiliation	Universitas Airlangga
Country	Indonesia
Bio Statement	—
Principal contact for editorial correspondence.	
Name	Nina Rofi' Rukman 
Affiliation	Universitas Airlangga
Country	—
Bio Statement	—

Title and Abstract

Title	Daya Hambat Ekstrak Daun Kelor (<i>Moringa oleifera</i>) Terhadap <i>Aeromonas Hydrophila</i> : Studi Awal Untuk Pengobatan Aeromoniasis.
Abstract	<p>The aim of this study was to know antibacterial potency of ethanolic extract of drumstick leaf against <i>Aeromonas hydrophila</i> in vitro. Total flavonoid, alkaloid, tannin and saponin of the ethanolic drumstick leaf extract were analyzed using spectrophotometry. Antibacterial activity test was carried out by disk diffusion and tube dilution method. Ethanolic extract of drumstick leaf contained flavonoids total as 71.9 mg quercetine equivalent/g, alkaloids total as 3 mg quinine equivalent/g, tannin as 24.7 mg tannic acid equivalent/g and saponin as 44.4 mg/g. The result of antibacterial test showed significant inhibition of <i>Aeromonas hydrophila</i> by drumstick leaf extract ($P < 0.05$). The highest inhibition zone was produced by drumstick leaf extract with concentration of 100% which is $9.9 \pm 0,162$ mm. The minimum inhibition concentration (MIC) of drumstick leaf extract is 3.125%, while the minimum bactericidal concentration (MBC) is 6.25%. Based on this study, it can be concluded that drumstick leaf can be used as an alternative natural product of antibacterial agent which can be applied especially in aquaculture.</p>

Indexing

Language	id
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Supporting Agencies

Agencies	—
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References

References	—
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Figure 9. Summary

The second tab "review" shows the status of the review process

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#64 Review

SUMMARY REVIEW EDITING

Submission

Authors	Hapsari Kenconoajati, Nina Rofi' Rukman
Title	Daya Hambat Ekstrak Daun Kelor (<i>Moringa oleifera</i>) Terhadap <i>Aeromonas Hydrophila</i> : Studi Awal Untuk Pengobatan Aeromoniasis.
Section	Original Research
Editor	Muhammad Azhar

Peer Review

Round 1

Review Version	64-148-1-RV.PDF 2019-04-27
Initiated	—
Last modified	—
Uploaded file	None

Editor Decision

Decision	Accept Submission 2019-04-27
Notify Editor	<input checked="" type="checkbox"/> Editor/Author Email Record <input type="checkbox"/> No Comments
Editor Version	None
Author Version	None
Upload Author Version	<input type="button" value="Choose File"/> No file chosen <input type="button" value="Upload"/>

Figure 10. Review

Authors can view the editor's version of the manuscript and can re-upload the author's version of the manuscript if revisions are requested from the editor.

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#64 Editing

SUMMARY REVIEW EDITING

Submission

Authors Hapsari Kenconoajati, Nina Rofi' Rukman 
 Title Daya Hambat Ekstrak Daun Kelor (Moringa oleifera) Terhadap Aeromonas Hydrophila: Studi Awal Untuk Pengobatan Aeromoniasis.
 Section Original Research
 Editor Muhammad Azhar 

Copyediting

[COPYEDIT INSTRUCTIONS](#)

Copyeditor	None			
REVIEW METADATA		REQUEST	UNDERWAY	COMPLETE
1. Initial Copyedit File: None	—	—	—	2019-04-27
2. Author Copyedit File: None Choose File No file chosen Upload	—	—	—	
3. Final Copyedit File: None	—	—	—	2019-04-27

Copyedit Comments  No Comments

Layout

Layout Editor	None			
Layout Version		REQUEST	UNDERWAY	COMPLETE
None	—	—	—	VIEWS
Galley Format	FILE			
1. PDF (Bahasa Indonesia) VIEW PROOF	64-158-2-PB.PDF	2019-06-24		33
Supplementary Files	FILE			
	None			

Layout Comments  No Comments

Proofreading

Proofreader	Muhammad Hanif Azhar			
REVIEW METADATA		REQUEST	UNDERWAY	COMPLETE
1. Author	—	—	—	
2. Proofreader	2019-04-27	—	—	2019-04-27
3. Layout Editor	2019-04-27	—	—	2019-04-27

Proofreading Corrections  No Comments [PROOFING INSTRUCTIONS](#)



Technical Support

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Title is written in capital letters at the beginning of the word (In Bahasa)

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Name of Authors (Full name) (Times New Roman Font 11 pt) Author¹, Author^{2*}

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Written in Indonesian and English. Abstracts include 3-5 keywords sorted according to their importance. Abstract contains a summary of the manuscript, covering all writing without trying to specify each part. Avoid using abbreviations.

Keywords: first, second, third, fourth, fifth.

Written in Indonesian and English. The abstract includes 3-5 keywords sorted according to their importance. The abstract contains a summary of the manuscript, which covers all the writing without trying to specify each section. Avoid using abbreviations.

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Background (Introduction) (Times New Roman, Font 12 pt)

Contains the scope, background of the objectives and benefits of the study. This section should provide background so that the reader can understand and assess the results of the study without reading previous reports relating to the topic. Give literature that can support the discussion.

Contains the scope, background objectives and benefits of the research. This section should provide a background so that the reader can understand and assess the research results without reading previous reports related to the topic. Provide appropriate literature that can support the discussion.

Materials and Methods

Describe in detail and clearly the design of the study, the method of treatment, the materials used and the method of work carried out, including statistical methods and an explanation of the certificate of ethical conduct of the animals if needed. The method of work submitted should contain sufficient information so as to enable the research to be repeated successfully.

Describe in detail and clarity the research design, husbandry methods, materials used and working methods performed, including statistical methods and an explanation of the animal ethical behaviour certificate if required. The methods presented should contain sufficient information to allow the study to be repeated successfully.

Results and Discussions

Presented jointly and discussed clearly the results of the study. The results of the research can be presented in written form in a script, table or picture. Reduce the use of graphics if it can be explained in the text. Limit the use of photos, present photos that clearly describe the results obtained. Pictures and tables must be numbered and quoted in the text. Photos can be sent in JPG, JPEG and PNG formats. The result of processing data is sent in a file separate from the scientific script file and accompanied by the name of the programme and basic data for compiling the graph. The discussion presented should contain an interpretation of the results obtained and the discussion relating to previous reports. Avoid repeating statements that have been conveyed to methods, results and other information that has been presented in the introduction.

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Conclusion (Times New Roman, Font 12 pt)

Must be specific, clear and answer the problem. Presented separately from the results and discussion.

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Acknowledgments (Times New Roman, Font 10 pt)

Aimed at those who fund research and to reward institutions and individuals who have helped research or the process of scientific writing.

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Bibliography (Times New Roman, Font 10 pt)

Alphabetically arranged according to name and year of publication. Abbreviation of magazine/journal based on the procedures used by each journal. The proportion of bibliography: scientific journals/magazines at least 60% and textbooks 40%. Example of writing a bibliography:

- **Journal:** Verschuere L, Rombaut G, Sorgeloos P, Verstraete W. 2000. Probiotic Bacteria as Biological Control Agents in Aquaculture. *Microbiology and Molecular Biology Reviews*, 64(4): 655-671.
- **Article DOI:** Jin, E.S. & Melis, A. Biotechnol. Bioprocess Eng. (2003) 8:331. <https://doi.org/10.1007/BF02949276>.
- **Book:** Rai MK, Carpinella C. 2006. Naturally Occurring Bioactive Compounds. Elsevier, Amsterdam.
- **Proceeding:** Alikodra HS. 2000. Biodiversity for development of local autonomous government. In: Setyawan AD, Sutarno (eds). Toward Mount Lawu National Park; Proceeding of National Seminary and Workshop on Biodiversity Conservation to Protect and Save Germplasm in Java Island. Sebelas Maret University, Surakarta, 17-20 July 2000.
- **Undergraduate Thesis, Thesis, Dissertation:** Johari HS. 2009. Analysis of Heavy Metal Pollution of Cu, Cd, and Pb in the Waters of Thousand Islands Administrative District of Jakarta Province [thesis]. Bogor (ID): Bogor Agricultural University.
- **Online Document:** Balagadde FK, Song H, Ozaki J, Collins CH, Barnet M, Arnold FH, Quake SR, You L. 2008. A synthetic *Escherichia coli* predator-prey ecosystem. *Mol Syst Biol* 4:187. www.molecularsystemsbiology.com [21 April 2015].

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