

BUKTI KORESPONDENSI

ARTIKEL JURNAL INTERNASIONAL BEREPUTASI


1	Judul artikel	Drought stress and selective manure on the growth and yield of Chaya (<i>Cnidioscolus aconitifolius</i>) in a tropical climate
2	Penulis	Fitra Gustiar)* , Susilawati, Filli Pratama, Didi W. Widjajanto, Rofiqoh P. Ria, Strayker A. Muda and Lisa A.P. Setyawan
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7	Manuskrip accepted	04 Juli 2025

1. Submission (03 Maret 2025)

7/13/25, 6:56 PM

Email Sriwijaya University - Submission of research paper



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Submission of research paper
1 pesan

fitra gustiar <fitragustiar@unsri.ac.id> 3 Maret 2025 pukul 09.12
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Cc: rofiqohpurnamaria@unsri.ac.id, licacaca30@gmail.com, straykerall@gmail.com

Dear Editors of Agronomy Research

We are submitting a research paper titled "Drought stress and selected manure on growth and yield of Chaya (*Cnidioscolus aconitifolius*) cultivated in tropical climate" for consideration for publication in Agronomy Research.

We certify that:

1. The manuscript is original work of all authors.
2. All authors made a significant contribution to this study.
3. This manuscript has not been submitted for publication and has not been published in any other journal.
4. All authors have read and approved the final version of the manuscript.


The corresponding author can be contacted at:
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We hope that the enclosed manuscript fulfill the requirements for publication in Agronomy Research. Thank you for receiving our manuscript and considering it for review. We appreciate your time and look forward to your response.

Sincerely,

Fitra Gustiar

2 lampiran

 **Manuscript-Submission-Form (Gustiar et al).docx**
18K

 **Agronomy research (Gustiar et al)02.docx**
2454K

2. Notification of full paper received (12 Maret 2025)



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Notification of full paper received AR2025-075 Journal Agronomy Research Estonia

1 pesan

Lisandra Marina Da Rocha Meneses-Nandha <lisandra.meneses@emu.ee>

12 Maret 2025 pukul 21.57

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Cc: Timo Kikas <timo.kikas@emu.ee>

Dear Authors,

This is a letter to inform you that we have received your manuscript entitled "**Drought stress and selective manure on the growth and yield of Chaya (*Cnidioscolus aconitifolius*) in tropical climate**". Thank you for the submission. The manuscript has been encoded as AR2025-075. In the future please use this reference code to refer to your paper. We just added your paper to our online conference management system called Manuscript Manager. If you receive an automatic notification of full-paper received, you do not need to do anything. We will let you know as soon as the reviews have been received.

Lisandra Meneses, PhD | Visiting Professor

Estonian University of Life Sciences, Institute of Forestry and Engineering

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3. Reviewers comments for manuscript AR-2025-75(major revision) (26 Mei 2025)

7/13/25, 7:22 PM

Email Sriwijaya University - AR-2025-75 Reviewers comments for manuscript AR-2025-75(major revision)



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AR-2025-75 Reviewers comments for manuscript AR-2025-75(major revision)

2 pesan

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26 Mei 2025 pukul 19.22

Manuscript: AR-2025-75 - Drought stress and selective manure on the growth and yield of Chaya (*Cnidioscolus aconitifolius*) in tropical climate
Date submitted: 2025-03-12
Dear Dr. Gustiar

Thank you very much for submitting the above manuscript to Agronomy Research.

Your manuscript has now been evaluated by external reviewers and members of the editorial board and the reviewers comments on your paper are now available. The reviewers suggest major Revision of the paper. A number of points of criticism were raised and these must be addressed before your manuscript can be accepted for publication. . Please see the comments and revise the paper accordingly.

When you submit a revised version, please enclose

1. a point-to-point reply to the reviewers' comments that addresses each comment of each reviewer. Please be as specific as possible in your response to the reviewer(s).
2. a revised version of the manuscript with changes made highlighted with RED.
3. a clean revised version (without line numbers nor changes highlighted).

Kindly submit your revised material online (<https://ar.manuscriptmanager.net/>). You need to create an account utilizing your corresponding email and resubmit your manuscript following the instructions available at: <https://manuscript-manager.elevo.help/en/articles/48-manuscript-resubmission>. THIS IS NOT A NEW SUBMISSION. DO NOT SUBMIT YOUR REVISED MANUSCRIPT AS A NEW SUBMISSION.

We look forward to receiving the revised version within 2 weeks and thank you, again, for submitting your manuscript to Agronomy Research.

Lisandra Meneses, PhD
Associate Editor, Agronomy Research
Institute of Technology
Estonian University of Life Sciences
Fr.R.Kreutzwaldi 56/1, Tartu 51006, ESTONIA

Reviewer 1 report:

I strongly recommend the author to revise the methodology as well as results and discussion part. They are not well-organized as it is hard for the reader to get the idea easily. Please mention the statistical procedure used in the methodology.

Specific Comments to Authors

Comments to author

Line 92: The author should mention the amount of soil used per pot, and mention the soil type used in this study.

Line 95: correct the abbreviation (RBD-F).

Line 97: The author has applied water according to different volume, how the author maintains the water holding capacity. Which volume indicates drought stress and which volume indicates optimum moisture content.

Line 100: On what basis did the author apply organic amendments as 1:4? If followed the previous report, please add the reference here.

Line 116: Which ANOVA was performed? One way or two way.

Line 117: replace “will be” by “was”

Fig 1: The graph does not provide clear information, please re-draw this figure to show the single as well as the combined effect of treatments on soil moisture. In addition, the author must add the lower-case letter to indicate the significancy of the treatments.

Line 138: This study is based on drought stress, but the author did not mention in the methodology, which treatment was considered as drought treatment. It should be mentioned in the methodology section clearly.

Line 138-146: delete the section, and write the literature that justify your results along with the references.

Line 150-152: Justify this statement with proper reference.

Fig. 2: The interaction of treatment is missing in the figure. I would suggest the author to change Fig 2, Fig 3, Fig 4, Fig 5 data into tabulated form as Table 1. The data in table will clearly show the results of the treatments.

Line 166- 179: Please modify this section, do not exaggerate the common statements. This discussion section should only justify the results of the current study.

Check fig 5. There are major mistakes in the figure. Change it to tabulated form and show the interactions effect along with statistical lettering.

Figure 4 showed the leaf area of the plant, why did the author mention leaf area in table 1 again?

The current study is interesting, but the author did not organize and interpret the result in a better way, as well as the justification of the results in each section is weak. I strongly recommend the author to re-write the revise the results and discussion section of each part, so it can be easily understandable to the readers.

Reviewer 2 report:

This research focuses on the response of chaya, perennial leafy vegetable, to drought stress and evaluates the effectiveness of different types of manure in mitigating these effects. Conducted in the Greenhouse in factorial RBD: varying levels of drought stress through different watering volumes (250 ml, 500 ml, and 750 ml) and the addition of organic materials (no manure, chicken manure, and goat manure).

Specific Comments to Authors

Abstract

Easy to follow up. Key points including methods and findings were indicated clearly.

Introduction

This one-page introduction is too curt and lacks literature review on the effects of drought stress on Chaya plant during growth and maturity. It also lacks to show the research gaps, and no justification has been indicated for the need for this research. The introductory literature review is too generic for this research. The objective indicated is out of the scope of the research topic. I would rewrite this part so that it can address the research topic.

Material and methods

Analysis of contents of the manure materials needed. We know nothing about these media: about their moisture content at the beginning, composition of the manure, moisture retention behaviour, soil type and structure, how the application of water determined, etc etc....Without these information, it is difficult to understand the results of the experiment.

Treatment: what is the basis of determining as 250 ml, 500 ml, and 750 ml irrigation to impose drought stress or well-watered conditions in the posts?

Results

I am not convinced with the material and methods. Hence for me it is difficult to assess the results. So, I stopped reading the manuscript.

Reviewer 3 report:

Specific Comments to Authors

Revision of the manuscript “Drought Stress and Selective Manure on the Growth and Yield of Chaya (*Cnidoscolus aconitifolius) in Tropical Climate” by F. Gustiar et al.

This is a compelling greenhouse study in which the authors examine the effects of three irrigation levels and two manure treatments on various growth and yield parameters of Chaya (*Cnidoscolus aconitifolius*). Given that Chaya is a largely neglected crop with limited research conducted outside its native range (the Yucatán Peninsula and Central America), this study is both timely and relevant. It contributes valuable insights that may inform future cultivation strategies in other tropical regions.

However, I have several concerns regarding the study’s design and analysis that should be addressed to enhance the manuscript's clarity and scientific rigor:

Major Concerns

1. Justification for Model Species (Lines 84–86)

It remains unclear why Chaya was chosen as a model species to study drought stress and manure application, particularly since the manuscript acknowledges (Lines 70–80) that Chaya is known for its drought tolerance. This raises a fundamental question about the study's rationale. Why investigate drought stress in a species already characterized as drought-tolerant?

2. Evaluation of Drought Stress (Lines 82–83):

The experimental treatments (250–750 ml every two days) may not accurately simulate drought conditions, especially considering Chaya's high drought tolerance. Moreover, the manuscript lacks physiological data to confirm that plants were indeed under drought stress. The interpretation of results would be strengthened by a clearer demonstration of stress induction.

3. Duration of the Study:

Chaya is a long-lived perennial plant. A 65-day experimental period may be insufficient to capture meaningful responses in growth and yield, particularly for traits that manifest over longer periods. The authors should justify the selected timeframe or acknowledge this as a limitation.

Minor Comments

1.- Origing of plant material, please mention the origin of plant material and the variety used (estrella, picuda, redonda or mansa).

1. Collinearity Among Variables (Lines 103–113)

Many of the measured variables are likely to be strongly correlated. The authors should clarify how they addressed potential collinearity in their statistical analysis. Consideration of a multivariate approach (e.g., PCA or MANOVA) may provide a more integrated view of treatment effects.

2. Details on Statistical Analyses

The manuscript would benefit from more detailed descriptions of the statistical models used. Specifically:

- * Were drought and manure treatments analyzed in the same model?
- * Were interaction effects between treatments tested?
- * How were repeated measures (if any) handled in the analyses?

3. Reporting of Statistical Results:

The results section should include full reporting of statistical outputs, such as F-values, degrees of freedom, and p-values. Additionally, when significant differences are reported, effect sizes or measures of the magnitude of differences should be included to aid interpretation.

4. Figure Captions

Please ensure that all abbreviations are defined in the figure captions to improve clarity and reader comprehension.

Reviewer 4 report:

Chaya is an important plant which can address the nutritional needs of population especially in the developing tropical and sub-tropical world. The plant domesticated by the Maya people in Mesoamerica has spread to many parts of the world and crop and livestock researchers are looking at this plant for nutrition of humans as well as livestock.

The present study is a good effort to understand the growth characteristics of this plant taking three watering regimes and two sources of manure. While the study reported in the study presents new information about the plant, the presentation of data needs a relook.

Specific Comments to Authors

Specific points to look into:

1. MATERIALS AND METHODS:

Pl give a line describing the climatic conditions of the study area during the period of study.

.. pots with a top diameter of 30 cm and a height of 30 cm: The pot diameter appears (from the image) to be half of what has been reported. Pl mention the volume of soil of each pot.

In the study, three watering regimes and three manuring (incl no manure) are taken. How many replications for each were taken in this study?

2. RESULTS AND DISCUSSION

Figure 1.: Keep A and B, only interaction Fig. is clumsy. Give legend for B

The data is Fig 2, 3, 4 may be presented in Table and the figures dropped.

3. Abstract:

May be rewritten, make it a little short simultaneously adding the important outcomes of comparative yield.

Overall impression:

The study is a good effort to know the plant characteristics as there is not many study in this area. More such study with longer duration and field trials may be planned on this plant.

4. RESUBMISSION Manuscript (6 Juni 2025)

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AR-2025-75/R1 RESUBMISSION Manuscript submission confirmation
1 pesan

Agromony Research <ar@manuscriptmanager.net> 6 Juni 2025 pukul 03.02
Balas Ke: Timo Kikas <Timo.Kikas@emu.ee>
Kepada: fitragustiar@unsri.ac.id

Manuscript: AR-2025-75/R1 RESUBMISSION - Drought stress and selective manure on the growth and yield of Chaya (*Cnidioscolus aconitifolius*) in tropical climate
Authors: F. Gustiar (Corresponding Author), Susilawati Susilawati (Co-author), Filli Pratama (Co-author), Didik Wisnu Widjajanto (Co-author), Rofiqoh Purnama Ria (Co-author), Strayker Ali Muda (Co-author), Lisa. A. P. Setyawan (Co-author)
Date submitted: 2025-06-05

Dear Dr. Gustiar
Thank you very much for submitting the above manuscript. Please refer to the manuscript number in all correspondence concerning the manuscript as listed above.

The manuscript will now be forwarded to our Editors and reviewers and we shall inform you as soon as a decision has been made by the editorial board.

The progress of your manuscript can be followed in the progress report that can be accessed from your account overview.

Sincerely,
The Editorial Office

5. Reviewers comments for manuscript (16 Juni 2025)

7/13/25, 7:28 PM

Email Sriwijaya University - AR-2025-75/R1 RESUBMISSION Reviewers comments for manuscript AR-2025-75/R1 RESUBMISSION...



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AR-2025-75/R1 RESUBMISSION Reviewers comments for manuscript AR-2025-75/R1 RESUBMISSION(moderate revision)

1 pesan

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16 Juni 2025 pukul 19.41

Manuscript: AR-2025-75/R1 RESUBMISSION - Drought stress and selective manure on the growth and yield of Chaya (*Cnidioscolus aconitifolius*) in tropical climate
Date submitted: 2025-06-05

Dear Dr. Gustiar

Thank you very much for submitting the above manuscript to Agronomy Research.

Your manuscript has now been evaluated by external reviewers and members of the editorial board and the reviewers comments on your paper are now available. The reviewers suggest Moderate Revision of the paper.

A number of points of criticism were raised and these must be addressed before your manuscript can be accepted for publication. . Please see the comments and revise the paper accordingly.

When you submit a revised version, please enclose

1. a point-to-point reply to the reviewers' comments that addresses each comment of each reviewer. Please be as specific as possible in your response to the reviewer(s).
2. a revised version of the manuscript with changes made highlighted with RED.
3. a clean revised version (without line numbers nor changes highlighted).

Kindly submit your revised material online (<https://ar.manuscriptmanager.net/>). You need to create an account utilizing your corresponding email and resubmit your manuscript following the instructions available at: <https://manuscript-manager.elevio.help/en/articles/48-manuscript-resubmission>.

We look forward to receiving the revised version within 2 weeks and thank you, again, for submitting your manuscript to Agronomy Research.


Lisandra Meneses, PhD
Associate Editor, Agronomy Research
Institute of Technology
Estonian University of Life Sciences
Fr.R.Kreutzwaldi.56@1, Tartu 51006, ESTONIA

Reviewer 2 report:

Specific Comments to Authors

1. In M&M, pl describe the method of measuring leaf area (Easy Leaf Area) with the reference.
2. Fig 2: needs a relook. There is no legend for B; C has only three legends for 9 lines. C may be dropped as it is clumsy and makes little comprehension.
3. Table 1 & 2: Present the data at weekly intervals instead of 3 days. The readers should be able to grasp the message from the table. All observations recorded during experiment need to presented in a easy understandable from.
4. Table 4: Pl see the line C3M1
5. Legends for Fig 3: ??
6. Table 6 and 7 need to be combined with columns like: Total fresh weight of the plant and its components in subsequent columns and [the water content (or dry matter) subsequently - this may be given in separate table if it becomes too large]

6. paper acceptance (27 Juni 2025)



fitra gustiar <fitragustiar@unsri.ac.id>

AR-2025-75/R2 RESUBMISSION Notification of full paper acceptance AR-2025-75/R2 RESUBMISSION Journal Agronomy Research

1 pesan

Agronomy Research <ar@manuscriptmanager.net> 27 Juni 2025 pukul 14.58
Balas Ke: Lisandra Meneses <lisandra.meneses@emu.ee>
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Manuscript: AR-2025-75/R2 RESUBMISSION - Drought stress and selective manure on the growth and yield of Chaya (*Cnidoscolus aconitifolius*) in tropical climate
Date submitted: 2025-06-25
Date accepted:

Dear Dr. Gustiar

On behalf of the Editorial Board and Scientific Advisory Board of Agronomy Research I am delighted to inform you that your paper AR-2025-75/R2 RESUBMISSION has been accepted for publication in our journal. The paper will be available online in the Running Issue at our homepage agronomy.emu.ee. It will be provided a DOI number that can be used for instant citing. Page numbers will be added when the hardcopy will be issued in November 2025.

For the finalisation of publication process please click on the following link to pay the publication charge:
<https://www.emu.ee/en/form/agronomy-research>

We hope you will continue to submit work from your group to the Agronomy Research in the future and thank you for your valuable contribution .

Thank you for your cooperation!

Lisandra Meneses, PhD
Associate Editor, Agronomy Research
Institute of Technology
Estonian University of Life Sciences
Fr.R.Kreutzwaldi 56/1, Tartu 51006, ESTONIA

7. Manuskrip accepted (04 Juli 2025)

Agronomy Research **23(X)**, xxx–ccc, 2025
<https://doi.org/10.15159/AR.25.061>

Drought stress and selective manure on the growth and yield of Chaya (*Cnidoscolus aconitifolius*) in a tropical climate

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and L.A.P. Setyawan¹

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