

Journal Name:	<a href="#">Journal of Scientific Research and Reports</a>
Manuscript Number:	<b>Ms_JSRR_118597</b>
Manuscript Title:	<b>Comprehensive Analysis of Orobanche Management in FCV Tobacco in Tanah Cahaya Utara</b>
Article Type	<b>Original Research Article</b>

**PART 1: Review Comments**

	Reviewer comments	Author's comments (if approved by the reviewer, correct the manuscript and highlight the section in the manuscript. The author must write his response here)
<p><b>Must</b>REVISION Comments</p> <p><b>1. Is the manuscript important to the scientific community?</b> (Please write a few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b> (If not, please suggest an alternative title)</p> <p><b>3. Is the article abstract comprehensive?</b></p>	<p><b>1. This manuscript is important to the scientific community as it presents a comprehensive analysis of the management of Orobanche, a parasitic weed that has a significant impact on FCV tobacco crops in Andhra Pradesh.</b> In this research, it was found that the majority of farmers have a low level of knowledge and adoption of integrated Orobanche management practices, identifying various obstacles they face. In accordance with the content of this research, it can provide important insights into the factors that influence knowledge and adoption of management practices by farmers, as well as highlighting the need for increased extension and training for farmers. These findings can be used as a basis for designing more effective interventions in controlling Orobanche, thereby potentially increasing crop yields and farmer welfare in affected areas.</p> <p><b>2. The title of this article is "Assessment of Knowledge and Adoption of Orobanche Management Practices in FCV Tobacco in Andhra Pradesh." This title is informative enough and relevant to the content of the article which discusses the knowledge and adoption of Orobanche management practices among FCV tobacco farmers in Andhra Pradesh.</b></p> <p>However, to make it more interesting and specific, here are some alternative title suggestions:</p> <ol style="list-style-type: none"> <li>3. "Evaluation of Knowledge and Implementation of Orobanche Management Practices in FCV Tobacco in Andhra Pradesh"</li> <li>4. "Farmers' Knowledge and Adoption of Orobanche Management in FCV Tobacco in Andhra Pradesh: A Comprehensive Study"</li> <li>5. "Overcoming Orobanche Challenges: A Study of Knowledge and Adoption of Management Practices Among FCV Tobacco Farmers in Andhra Pradesh"</li> <li>6. "Knowledge and Practices of Orobanche Management in FCV Tobacco Farms: A Case Study of Andhra Pradesh"</li> </ol> <p>The abstract of this article is quite comprehensive in providing an overview of the objectives, methodology, results and implications of the research. However, to ensure this abstract provides complete and clear information, here are several elements that can be considered or added to increase its comprehensiveness:</p> <ol style="list-style-type: none"> <li>1. <b>Research purposes:</b>The abstract has explained the aim of the study, namely to assess the knowledge and adoption of Orobanche management practices among FCV tobacco farmers in Andhra Pradesh.</li> <li>2. <b>Methodology:</b> The methodology is mentioned by mentioning a survey in five villages from two mandals, but it could be further detailed regarding the number of respondents and data collection methods.</li> <li>3. <b>Research result:</b>Results have been mentioned in general terms with the percentage of knowledge and adoption of Orobanche management practices. However, it can be more detailed by adding specific quantitative data.</li> </ol>	

4. **Implications/Conclusion:**The abstract concludes by stating that more outreach and training efforts are needed. You can add specific recommendations or main conclusions expected from this research.

Here is a revision of the abstract to make it more comprehensive:

**Abstract:**

This study aims to assess the level of knowledge and adoption of Orobanche management practices among FCV tobacco farmers in Andhra Pradesh. The survey was conducted in five villages of two mandals, involving a total of 100 respondents. Results show that 76% of farmers have knowledge of Orobanche, but only 54% have adopted its management practices effectively. Although most farmers are familiar with the symptoms of Orobanche infestation, implementation of management strategies such as crop rotation and use of resistant varieties is still limited. This research indicates an urgent need for more intensive outreach and training programs to increase adoption of appropriate management practices. It is hoped that these findings can encourage policies that focus more on educating farmers to increase sustainable tobacco production.

By adding this detail, it is hoped that the abstract will be more informative and able to provide a clearer picture of the research conducted.

4. **Basically the manuscript is in accordance with the structure but there are suggestions for improvement**

**Improvement Suggestions**

1. **Part Naming**

- Change "SUMMARY AND CONCLUSION" to just "Conclusion".

2. **Subsection Structure in the Results and Discussion Section**

- Make sure each table and discussion is given a clear subtitle. For example:
  - "Farmers' Knowledge of Integrated Orobanche Management Practices"
  - "Implementation of Integrated Orobanche Management Practices"
  - "Constraints in Orobanche Management"
  - "Farmer Practices in Orobanche Management"

3. **Format Consistency**

- Make sure all sections have a consistent format in terms of numbering, table writing, and reference citation style.

Structural Adjustment

1. **Introduction**

- Open with the main problem, research background, and more explicit research objectives.

2. **Materials and Methods**

<p><b>4. Are the subsections and structure of the manuscript appropriate?</b></p>	<ul style="list-style-type: none"> <li>○ Explain in more detail about data analysis techniques, for example the type of statistical test used.</li> </ul> <p><b>3. Results and Discussion</b></p> <ul style="list-style-type: none"> <li>○ Provide a brief explanation before each table.</li> <li>○ Discuss the results after each table by integrating the interpretation of the results in the context of the existing literature.</li> </ul> <p><b>4. Conclusion</b></p> <ul style="list-style-type: none"> <li>○ Summarize the main results and practical suggestions or policy implications of the research.</li> </ul> <p>By paying attention to the points above, the structure and subsections of research articles will be more in line with the standards expected in academic publications.</p> <p><b>5. In general, this manuscript appears to meet many basic scientific criteria. However, here are some suggestions for increasing scientific validity:</b></p> <ol style="list-style-type: none"> <li><b>1. Methodology Details:</b> <ul style="list-style-type: none"> <li>○ Add more details regarding the validity and reliability of data collection tools.</li> <li>○ Explain statistical analysis techniques in more detail.</li> </ul> </li> <li><b>2. Deeper Discussion:</b> <ul style="list-style-type: none"> <li>○ Develop the discussion by connecting findings with existing literature and adding relevant references.</li> </ul> </li> <li><b>3. Data Presentation:</b> <ul style="list-style-type: none"> <li>○ Make sure each table is followed by a clear explanation and interpretation.</li> </ul> </li> <li><b>4. Use of References:</b> <ul style="list-style-type: none"> <li>○ Make sure all references are valid, reliable and consistent in writing.</li> </ul> </li> </ol> <p>By paying attention to these suggestions, the manuscript will be scientifically stronger and ready for publication in an academic journal.</p> <p><b>6. Reference Evaluation</b></p> <p><b>Quantity and Recency:</b></p> <ul style="list-style-type: none"> <li>• <b>Number of References:</b> The manuscript uses a total of 7 references, covering a variety of</li> </ul>	
<p><b>5. Do you think the manuscript is scientifically correct?</b></p>		

<p>6. Are the references sufficient and up to date? If you have additional reference suggestions, please indicate them in the review form.</p>	<p>sources including books, journals, and scientific publications. This number seems sufficient to provide a theoretical basis and support research findings.</p> <ul style="list-style-type: none"> <li>• <b>Its up-to-date:</b> Some references used do not include the latest publications. More up-to-date literature is essential to ensure that this research is up to date with recent developments in the field of Orobanche management and tobacco farming practices.</li> </ul> <p><b>Diversity and Relevance:</b></p> <ul style="list-style-type: none"> <li>• <b>Diversity:</b> References used include various types of sources relevant to the research topic. However, most references appear to focus on older publications and may not fully reflect recent developments.</li> <li>• <b>Relevance:</b> The references used are generally relevant to the topic discussed. However, adding more recent studies and journal articles can provide additional insights and strengthen the research argument.</li> </ul> <p><b>Additional Reference Suggestions</b></p> <p>To strengthen the manuscript and ensure its currency, here are some additional references that may be relevant:</p> <ol style="list-style-type: none"> <li>1. <b>Journal of Recent Research on Orobanche and its Management:</b> <ul style="list-style-type: none"> <li>○ Parker, C. (2019). Parasitic weeds: A world challenge. <i>Weed Science</i>, 67(SP1), 210-215.</li> <li>○ Joel, D.M., Gressel, J., &amp; Musselman, L.J. (Eds.). (2013). <i>Parasitic Orobanchaceae: Parasitic Mechanisms and Control Strategies</i>. Springer.</li> </ul> </li> <li>2. <b>Studies Related to Tobacco Farming Practices:</b> <ul style="list-style-type: none"> <li>○ Johnson, D.E., Wopereis, M.C.S., Mbodj, D., Diallo, S., Powers, S., &amp; Haefele, S.M. (2020). Farmer adaptation and innovation: Tactics for the future. <i>Food Security</i>, 12(3), 649-659.</li> <li>○ Bennett, R., &amp; Morse, S. (2016). Sustainable tobacco farming: Managing the economic and environmental impacts. <i>Agricultural Systems</i>, 148, 21-28.</li> </ul> </li> <li>3. <b>Research on Knowledge and Adoption of Technology by Farmers:</b> <ul style="list-style-type: none"> <li>○ Rogers, E.M. (2003). <i>Diffusion of Innovations</i> (5th ed.). Free Press.</li> <li>○ Leeuwis, C., &amp; Aarts, N. (2011). Rethinking communication in innovation processes: Creating space for change in complex systems. <i>Journal of Agricultural Education and Extension</i>, 17(1), 21-36.</li> </ul> </li> </ol> <p><b>Conclusion</b></p> <p>Currently, the references in the manuscript are sufficient, but can be strengthened by adding more recent and relevant literature. The additional reference suggestions above can be used to improve the quality and scientific validity of your manuscript, as well as ensure that your research reflects the latest developments in the relevant field.</p> <p><b>Additional Suggestions and Comments</b></p>	
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(Apart from the 6 points mentioned above, reviewers are free to provide additional suggestions/comments)

#### 1. Preparation of Tables and Figures:

- **Clarity and Consistency:** It is necessary to ensure that all tables and figures are given clear and descriptive titles. Tables and figures must be arranged consistently, with complete and easy to understand information. For example, if a table presents data regarding the frequency of farmers' knowledge of Orobanche, the table title should clearly reflect this.
- **References in Text:** Every table and figure presented in the manuscript must be clearly referenced in the text. A discussion of these tables and figures should also be provided to help readers understand the relevance and interpretation of the data.

#### 2. Language and Writing Style:

- **Clarity and Consistency:** need to pay attention to clarity and consistency of language. Avoid using jargon that is too technical without adequate explanation, and ensure that technical terms are explained well the first time they are mentioned.
- **Proofreading:** Before submission, do proofreading to ensure there are no grammatical, spelling, or typographical errors remaining. This will increase the professionalism and credibility of the manuscript.

#### 3. Emphasis on Key Findings:

- **Confirmation of Important Findings:** It can be ensured that the main findings of this research are clearly emphasized in the discussion and conclusion sections. Explain how these findings contribute to a broader understanding of Orobanche management in tobacco crops.
- **Practical Implications:** In addition to explaining the findings, elaboration on the practical implications of this research for farmers and policy makers would provide significant added value.

#### 4. Hypothesis Development and Methodology:

- **Hypothesis Clarity:** If there is a hypothesis being tested in this research, ensure that the hypothesis is explained clearly in the introduction and that the research results provide a clear answer to the hypothesis.
- **Detailed Methodology:** Methodological details must be provided in detail so that the research can be replicated by other researchers. Explain in detail the samples used, data collection techniques, and analysis methods applied.

#### 6. Reader Feedback:

- **Validation and Field Testing:** Consider including a section on how these findings can be validated or tested in the field by farmers or agricultural communities. This will give a practical dimension to the research and increase its relevance.

By paying attention to these suggestions, it is hoped that the manuscript will become stronger from a scientific perspective, easier to understand, and more useful for readers and practitioners in related fields.

<p><b>Minor</b>REVISION Comments</p> <p><b>1. Is the quality of the article in language/English suitable for scientific communication?</b></p>	<p>The quality of the articles in English provided is quite good for scientific communication, however there are several areas that can be improved to increase clarity, consistency and professionalism. Here are some points that can be improved:</p> <ol style="list-style-type: none"> <li>1. <b>Structure and Layout:</b> <ul style="list-style-type: none"> <li>○ The structure of the article is in accordance with general standards for scientific articles, but can be further improved by adding clearer subheadings to certain sections, such as research methods, results, discussion and conclusions.</li> </ul> </li> <li>2. <b>Language and Grammar:</b> <ul style="list-style-type: none"> <li>○ Some of the sentences in this article are a bit long and complicated, which may make things difficult for readers. Using shorter, simpler sentences can improve readability.</li> <li>○ There are several grammatical and writing errors that need to be corrected. For example, in the abstract section: "Followed by the medium category (17.5%) and low knowledge (10.5%)" should be "followed by the medium category (17.5%) and high knowledge (10.5%)."</li> </ul> </li> <li>3. <b>Clarity and Consistency:</b> <ul style="list-style-type: none"> <li>○ Some terms and concepts are repeated without sufficient clarity. For example, the term "integrated orobanche management practices" could be explained in more detail at the beginning of the article to avoid confusion.</li> <li>○ The use of numbers and statistics must be consistent. For example, in mentions of percentages, use consistent formatting such as "70%" or "seventy percent" throughout the article.</li> </ul> </li> <li>4. <b>References and Citations:</b> <ul style="list-style-type: none"> <li>○ Make sure all references and quotations comply with the applicable citation format, such as APA, MLA, or others. There are some references that appear to be incomplete or not included correctly.</li> </ul> </li> <li>5. <b>Table and Data Format:</b> <ul style="list-style-type: none"> <li>○ Tables and data must be presented in a consistent and neat format. Tables must be numbered and clearly titled, as well as references in the text to make it easier for readers.</li> </ul> </li> <li>6. <b>Conclusions and recommendations:</b> <ul style="list-style-type: none"> <li>○ The conclusion section could be further clarified by summarizing the main findings and providing practical suggestions or recommendations for further research.</li> </ul> </li> </ol> <p>Overall, this article is quite good and worthy of scientific communication, but with some improvements to the structure, grammar, consistency, and presentation of data, this article could be stronger and easier to understand for a scientific audience.</p>	
<p><b>Optional/General</b>comment</p>		

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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