

**Review Form 1.7**

Journal Name:	<b>Journal of Advances in Biology &amp; Biotechnology</b>
Manuscript Number:	<b>Ms_JABB_117112</b>
Title of the Manuscript:	<b>Advancing Agriculture through Artificial Intelligence, Plant Disease Detection Methods, Applications, and Limitations</b>
Type of the Article	

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**PART 1: Review Comments**

	Reviewer's comment	Author's comment (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)
<p><b><u>Compulsory</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<ol style="list-style-type: none"> <li>1. The article entitled "Advancing Agriculture through Artificial Intelligence, Plant Disease Detection Methods, Applications, and Limitations", has met the terms and conditions from a research perspective, and the research results are useful for detecting plant diseases using AI-based technology to reduce yield losses harvest and increase agricultural productivity.</li> <li>2. In my opinion, the title given to the article is still too global, it is recommended that it be more specific on the problem being researched, for example on the use of Geographic Information Systems which are supported by AI concepts, or research on agricultural productivity with AI.</li> <li>3. Globally, the description presented in the abstract is still not specific, it is better if the description in the abstract is divided into the background of the problem to be researched, a description of the process using certain concepts, algorithms or methods (in this case the concept of GIS and AI), then the conclusion of the results obtained from research. Further explanation is needed regarding the statement " Additionally, we discuss the practical applications of these technologies in real-world agricultural settings, highlighting their potential to revolutionize crop management practices. Despite the promising developments, we also address the limitations and obstacles faced in implementing AI- based plant disease detection systems, including issues related to data quality, model generalization, and scalability.", because this statement does not clearly and specifically describe the results obtained in research in order to increase research results, it is better to use a percentage value to show the results of increasing performance the goodness of the proposed method compared with other methods or previous research.</li> <li>4. In my opinion, globally it is good. For the writing structure, please look again at the written structure that has been determined.</li> <li>5. In my opinion, the manuscript written is scientifically appropriate, only further explanation is needed regarding the data used and processed in the research carried out</li> <li>6. The references provided are good, you only need comparative references from research that has been carried out by other researchers to be able to determine the novelty of the research carried out.</li> </ol>	
<p><b><u>Minor</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>Please check again as a whole, especially the writing structure, thank you</p>	
<p><b><u>Optional/General</u></b> comments</p>		

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**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:**

Name:	<b>Chairuddin</b>
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