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| Journal Name: | [**International Journal of Environment and Climate Change**](https://journalijecc.com/index.php/IJECC) |
| Manuscript Number: | **Ms\_IJECC\_131219** |
| Manuscript Title: | **Effect of foliar applied signal molecules on growth and yield traits for Rice (Oryza sativa. L) resilience under salinity stress** |
| Article Type | **Original Research Article** |

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| PART 1: Comment | | |
|  | Reviewer comments **Survey comments generated or assisted by Artificial Intelligence (AI) are strictly prohibited during peer surveys.** | Author Input *(Please correct the manuscript and highlight the section in the manuscript. The author is obliged to write his response here)* |
| **Please write a few sentences about the importance of this manuscript to the scientific community. A minimum of 3-4 sentences may be required for this section.** | Rice is a plant to obtain rice as carbohydrates, the main source of energy for the body, and as fiber needed for digestion, which is a staple ingredient for most people in the world.  Even though there is a lot of research on this plant, further development and research is still needed considering the need is increasing from year to year, especially in overcoming the issue of the world food crisis.  Most rice producing countries grow rice on rice fields with sufficient water conditions, even though scientists have discovered various varieties that are resistant to stress or that can be cultivated on dry land, but basically rice producing countries produce more rice from lowland rice which requires enough water. For this reason, paying attention to the substances contained in the water used is very important so that the rice plants being cultivated can produce optimal production and anticipate crop failure. |  |
| **Is the title of the article suitable?**  **(If not, please suggest an alternative title)** | If there is no other interpretation, the title "Effect of applying signal molecules to leaves on growth characteristics and rice yield (*Oryza sativa.* L) on salinity resistance” will be shorter. |  |
| Is the article abstract comprehensive? Would you suggest adding (or removing) some points in this section? Please write your suggestions here. | When writing an abstract, it is important to emphasize parts such as purpose, time and place of coding, results and findings, which must form a single summary without having to separate or thicken words. |  |
| Is the text scientifically correct? Please write here. | Scientifically there is no problem in the manuscript being written, but in general articles use open columns and only use horizontal lines. |  |
| **Are the references sufficient and up to date? If you have additional reference suggestions, please indicate them in the review form.** | In the manuscript there are many extraordinary sources of information that can be explored by the scientific community, it would be better if the references used were sufficient but recent and still very relevant. |  |
| Is the quality of the article in Bahasa/English suitable for scientific communication? | The English used can be understood well. |  |
| Optional/General comment | Scientifically, this manuscript is intended for the development of knowledge. |  |

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| **PART 2:** | | |
|  | **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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| **Reviewer Details:** | |
| Name: | **Eddy Silamat** |
| Department, University & Country | **Pat Petulai University, Indonesia** |