|  |
| --- |
|  |
| Book Name: | [**An Overview of Literature, Language and Education Research**](https://www.bookpi.org/bookstore/product/an-overview-of-literature-language-and-education-research-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4312** |
| Title of the Manuscript:  | **Taking an Innovative Education Approach in a Computing Course** |
| Type of the Article | **Book Chapter** |

|  |
| --- |
| PART 1: Comments |
|  | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript addresses the important topic of innovative teaching approaches in computer science education. It provides a comparative analysis of traditional and innovative methods, offering insights into their relative effectiveness. The study's focus on practical implementation and quantitative outcomes could be valuable for educators seeking to improve their teaching practices. However, the limited scope and depth of analysis somewhat restrict its overall importance to the scientific community. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title “Taking an Innovative Education Approach in a Computing Course” is somewhat vague and does not fully capture the comparative nature of the study.Suggestion:Consider a more specific title that reflects the comparative aspect, such as “Comparing Traditional and Innovative Education Approaches in an Introductory Computer Science Course: A Case Study” |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | The abstract provides a general overview but lacks some key information:* It does not clearly state the research questions or hypotheses.
* The specific innovative approaches used are not mentioned.
* The statistical significance of the results is not addressed.

Suggestions:* Include clear research questions or hypotheses.
* Briefly mention the specific innovative approaches used (e.g., AI-based activity, group work).
* State the statistical significance of the findings.
 |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The manuscript appears to be scientifically correct in its basic approach, but there are concerns about the depth of analysis and the robustness of the methodology.Research Methods:* The methodology section has several issues:
* The description of the innovative approach lacks detail, making it difficult to understand exactly what was done.
* The rationale for the chosen evaluation methods is not well-explained.
* There is no discussion of potential confounding variables or how they were controlled.

Suggestions:* Provide a more detailed description of the innovative approach, including specific activities and how they were implemented.
* Explain the rationale behind the chosen evaluation methods and their appropriateness for the study.
* Discuss potential confounding variables and how they were addressed in the study design.
 |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references are generally sufficient but could be more recent. Suggestions for additional references include recent articles from journals such as “Computers & Education” and “IEEE Transactions on Education” focusing on innovative teaching methods in computer science. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language quality is generally suitable for scholarly communication, but there are areas where clarity and precision could be improved. |  |
| Optional/General comments | * The use of AI-based activities is interesting but not well-explained or analyzed.
* The study would benefit from a more robust theoretical framework.
* Consider including qualitative data to provide a more comprehensive understanding of the impact of the innovative approach.
* Conduct a more thorough literature review to better situate your study within the current research landscape.
* Provide more detailed explanations of the innovative teaching methods used.
* Consider expanding the study to include multiple courses or institutions for greater generalizability.
* Employ more advanced statistical analyses to strengthen your findings.
* Discuss the limitations of your study more explicitly and suggest directions for future research.
 |  |

|  |
| --- |
| **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)* |  |

|  |
| --- |
| **Reviewer Details:** |
| Name: | **Admaja Dwi Herlambang** |
| Department, University & Country | **Universitas Brawijaya, Indonesia** |