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| Journal Name: | [**Asian Journal of Advanced Research and Reports**](https://journalajarr.com/index.php/AJARR) |
| Manuscript Number: | **Ms\_AJARR\_133305** |
| Title of the Manuscript: | **Investigation on the Shear Performance of Concrete Beams Reinforced with Glass Fiber Reinforced Polymer (GFRP) Bars** |
| Type of the Article | **Original Research Article** |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **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 sharpens the understanding of the shear behavior of GFRP reinforced concrete beams, elaborating on their failure modes and structural response. The results aid in the refinement of design codes and the increase in service life of reinforced concrete structures. It promotes replacing steel reinforcements with GFRP in construction as an environmentally friendly approach. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes |  |
| **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.** | Yes |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript was scientifically correct. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention**  **them in the review form.** | Yes |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | Yes |  |
| **Optional/General** comments | This manuscript reports an experimental study on the shear behaviour of GFRP reinforced concrete beams in a very well-organized manner and provides insights into their structural performance. These results are immensely helpful in improving design instructions as well as encouraging the use of durable corrosion-resistant reinforcement components. |  |

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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)* |  |

**Reviewer details:**

**Muhamad Soffi Manda, Polytechnic Sultan Haji Ahmad Shah, Malaysia**