## Review Form 3

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| Journal Name: | **Journal of Advances in Biology & Biotechnology** |
| Manuscript Number: | **Ms_JABB_120906** |
| Title of the Manuscript: | **Performance of Apis mellifera L. colonies developed from artificially and naturally inseminated queens** |
| Type of the Article | **Original Research Article** |

## Review Form 3

**PART 1: Review Comments**

| **Compulsory** REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.** | **Like it since they have compared both artificial and natural insemination of Queen with large data size** | |
| **Is the title of the article suitable? (If not please suggest an alternative title)** | **Yes, but correct like this. Performance of *Apis mellifera* L. Colonies Developed from Artificially and Naturally Inseminated Queens** | |
| **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 ,but add some conclusive ideas s clearly in abstract parts since it is short** | |
| **Are subsections and structure of the manuscript appropriate?** | **Yes but check guideline of journal you have sent to** | |
| **Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.** | 1. **Beekeeping Industry:** Understanding the factors that influence honeybee colony performance is crucial for beekeepers. Honey production, pollination efficiency, and overall colony health are directly impacted by the quality of queens.<br>2. **Genetic Diversity:** Instrumental insemination (II) allows controlled mating, which can enhance genetic diversity within colonies. By selecting specific drones, beekeepers can improve desirable traits such as disease resistance, productivity, and behavior.<br>3. **Breeding Programs:** The study highlights the advantages of II in breeding programs. Beekeepers can intentionally propagate queens with superior traits, leading to more robust colonies.<br>4. **Sustainable Agriculture:** Honeybees play a vital role in pollination, benefiting crop yields and ecosystem health. High-performing colonies contribute to sustainable agriculture.<br>5. **Scientific Knowledge:** Research like this adds to our understanding of honeybee biology, reproductive mechanisms, and colony dynamics. | |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Some area very old please is it the only on the area check all references if new available correct if they are the only on the area check well genuinely (Taber and Wandel, 1958) | |
| Minor REVISION comments<br><br>**Is the language/English quality of the article suitable for scholarly communications?** | No please even abstract plagiarised 62 % which mean grammatically there is errors correct the whole paper and make free of plagiarism | |
| **Optional/General** comments | It is good work and acceptable if all comments given corrected seriously | |

## Review Form 3

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

**Reviewer Details:**

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|---|---|
| Name: | **Kasim Roba** |
| Department, University & Country | **Oromia Agricultural Research Institute, Ethiopia** |