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REVIEWER'S REPORT

Manuscript No.: **IJAR-53463** Date: 22-08-2025

Title: Effets de l' incorporation de Carica papaya dans l' alimentation sur la prévalence des parasites gastro-intestinaux chez le lapin (Oryctolagus cuniculus) au Burkina Faso"

Recommendation:
Accept as it is .....YES.....
Accept after minor revision.....
Accept after major revision .....
Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality			✓	
Techn. Quality			✓	
Clarity		✓		
Significance			✓	

Reviewer Name: Tahir Ahmad

Reviewer's Comment for Publication.

Résumé / Abstract Evaluation

The French and English abstracts provide a clear and coherent summary of the study's objectives, methodology, and findings. The study is well contextualized within the scope of veterinary parasitology and animal nutrition. Both versions highlight the incorporation of *Carica papaya* leaves in rabbit feed and its significant impact on reducing gastrointestinal parasite prevalence, specifically coccidia. The data presented (OPG values, percentage reductions) demonstrate rigor and provide quantitative support to the conclusions. The dual-language abstract increases accessibility for both francophone and international readers.

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Strengths of the Study

1. Relevance: The research addresses a practical problem in rabbit production—parasitic infections—and offers a natural, locally available solution.
2. Design: The experimental setup (control and different dosages of papaya leaves) is clearly explained, with details on sample size, age, and weight of animals.
3. Findings: Results are convincingly presented with precise numerical data, showing significant antiparasitic effects of papaya leaves, particularly at higher inclusion rates.
4. Application: The findings have direct implications for sustainable and cost-effective rabbit farming in West Africa and beyond.
5. Clarity: Both the French and English versions of the abstract are concise and aligned, ensuring consistency.

Introduction Evaluation

The introduction begins by situating the study in the context of demographic growth and urbanization in West Africa, emphasizing the importance of small livestock farming. Highlighting the rabbit as a species with a short production cycle underscores its value in improving food security and animal protein availability. The rationale for exploring natural alternatives such as *Carica papaya* is logically connected to the regional context, where access to pharmaceuticals may be limited.

Observations on Content and Presentation

- The writing is clear, precise, and scientifically structured.
- Technical terms (e.g., OPG, coccidiosis, inclusion levels) are correctly used and explained.
- Quantitative results are integrated into the abstract, supporting the study's claims with empirical evidence.
- The link between traditional plant use and modern veterinary applications is well reflected.

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Overall Assessment

The paper demonstrates scientific rigor, contextual relevance, and practical applicability. It highlights an effective, natural method of parasite control in rabbit farming, contributing to sustainable livestock production. The presentation is coherent, supported by data, and framed within the broader challenges of animal husbandry in Africa.

Recommendation:

The study represents a valuable contribution to the fields of animal nutrition, parasitology, and sustainable agriculture.