

## REVIEWER'S REPORT

Manuscript No.: IJAR-53670

Date: 04/09/2025

**Title: Evaluation of the folliculo-stimulant activity of the aqueous leaf extract of Cissus araliodes on the vaginal epithelium of the doe (female rabbit)**

### Recommendation:

Accept as it is ☐☐☒☐☐

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: Sakshi Jaju

Date: 04/09/2025

### Reviewer's Comment for Publication.

The study explores the use of Cissus araliodes leaf extract to stimulate follicle development in female rabbits. The extract was tested at doses of 200, 300, and 600 mg/kg body weight for two weeks. Vaginal smears were examined to observe estrogen activity. Results showed the presence of beneficial phytochemicals like flavonoids and alkaloids. Higher doses (300 and 600 mg/kg) significantly increased estrogen index levels, suggesting follicle stimulation and possible fertility-enhancing effects.

### Strengths:

1. Addresses infertility issues common in developing countries where herbal medicine is widely used.
2. Phytochemical analysis, clear dose variations, and statistical testing strengthen reliability.
3. The study followed ethical guidelines for animal research.
4. Supports the value of local herbal remedies in reproductive health.

### Weaknesses:

1. Only eight rabbits were used, limiting generalization.
2. The study measured estrogen effects indirectly through smears, not serum hormone levels.
3. The exact pathway of follicle stimulation was not determined.
4. Safety beyond short-term treatment was not assessed.

### Overall Assessment:

The study provides promising evidence that Cissus araliodes extract may enhance follicle development and fertility in female rabbits. While the findings are encouraging for herbal medicine research, larger studies with detailed hormonal analysis and safety assessments are needed before clinical application.

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### **Recommendation:**

Manuscript accepted for the publication.