

# Review of: "The Impact on People's Well-being of Utilizing Greenery in the Design of High-rise Residential Building Balconies"

Hossein Saedi<sup>1</sup>

<sup>1</sup> North Carolina State University

Potential competing interests: No potential competing interests to declare.

## Introduction

The article explores the impact of incorporating greenery on residential building balconies on individuals' well-being, presenting a relevant and captivating theme. The structure of the article is well-organized, comprising Introduction, Method, Results, Discussion, and Conclusion sections.

Strengths Identified:

### Thematic Relevance:

- The article addresses the impact of greenery on residential balconies on well-being, demonstrating thematic significance.

### Organized Structure:

- Well-structured with clear sections, including a comprehensive literature review in the Introduction.

## Methodology

Strengths Identified:

### Clarity in Research Process:

- The Method section provides a clear description of the research process, detailing the use of Virtual Reality Technology and a Questionnaire.

### Tool Utilization:

- The tools, including Virtual Reality Technology and a Questionnaire, are appropriately mentioned, enhancing the study's credibility.

Recommendations for Improvement:



### **Sample Size Consideration:**

- Acknowledge the reduced sample size (45 participants) and suggest future experiments with a larger participant pool for increased robustness.

### **Detailed Greenery Specifications:**

- Specify the types of greenery (plant species, characteristics, and dimensions) corresponding to different levels (Low, Medium, High) used in the study.

## **Results**

Strengths Identified:

### **Impact of Greenery:**

- Results suggest a significant positive impact on well-being with the incorporation of greenery on balconies.

### **Versatility of Greenery Amount:**

- No significant difference found between well-being and varying amounts of greenery, indicating positive effects even with minimal green elements.

## **Discussion**

### **1. No Age or Gender Correlation:**

- Noteworthy is the absence of significant correlations between greenery and different participant ages or genders.

## **Conclusion**

Strengths Identified:

### **Positive Impact on Well-being:**

- Conclusively, the study reveals a substantial positive impact of natural green elements on individuals' health and overall well-being.

### **Virtual Reality Environment Findings:**

- Participants experienced enhanced well-being even in a VR environment with elements resembling natural vegetation.

Recommendations for Improvement:



## 1. Development of Conclusion Section:

- Expand the conclusion section, suggesting future research directions like exploring greenery on balconies of other building types or diverse uses such as gardening or urban farming.

## Writing Style

Strengths Identified:

### 1. Engaging Language:

- The article is well-written, engaging readers with clear and captivating language.

Recommendations for Improvement:

### 1. Incorporate Minor Revisions:

- Address suggested revisions, including specifying greenery types and expanding the conclusion section.

## Methodological Shortcomings Identified:

### Unaddressed Figures:

- Figures, particularly Figure 3, are not adequately referenced in the text, requiring clarification.

### Methodological Ambiguities:

- Page 4 poses queries regarding group and environment choices, residual effects, and exposure duration in VR, necessitating additional justifications.

### Inadequate Abbreviation Explanation:

- Tables 3, 4, and 5 lack explanations for abbreviations and require a more detailed analysis description.

## Conclusion and Future Directions

The article, while commendable in its thematic exploration and methodology, could benefit from addressing identified shortcomings. Incorporating the suggested revisions and providing further clarifications on methodology will strengthen the article's credibility. Future research avenues could focus on expanding the study to different building types and exploring various uses of greenery on balconies for a more comprehensive understanding.



