

Review of: "Hospital's Thermo-neutral Zone for Patient Safety and Climate Change Sustainability"

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Potential competing interests: No potential competing interests to declare.

Introduction

This section emphasizes the importance of construction green building certification and compliance (CGCC), and suggests that it is an essential factor for the realization of green construction. This may oversimplify and ignore other factors affecting sustainable construction.

While the text mentions the identification of potential areas of research for future investigation, it lacks clarity in stating specific research questions or gaps. The purpose of this study should be stated more clearly.

The use of terms such as "green construction" and "sustainable construction" are somewhat interchangeable and there is no clear distinction between the terms. It is better to explain these terms briefly.

Methodology

This section mainly focuses on a specific hospital in Baghdad, and the findings may not be easily generalized to hospitals in different regions or regions. Explain clearly the reasons for choosing this hospital.

Providing more information on the anemometer's placement, and methodology would enhance the reader's understanding.

The passage mentions the use of shielded copper-constant thermocouples and an Eppley 4-48 pyrometer but does not provide a detailed explanation of these devices. Including a brief description of these measurement instruments would help readers comprehend the data collection process better.

While the passage mentions building a model using data collected in the field, it lacks details about the modeling approach employed. Providing information on the specific modeling techniques and parameters used would enhance the transparency of the study.

This passage refers to Kruger (2007) without providing enough detail on the subject. Including the full citation will help readers who want to locate the referenced source.

Results and Discussion

Figures 2, 3, 4, 5, 6, and 7 are presented without sufficient interpretation or explanation in the text. Each figure should be

accompanied by a detailed description of the variables, trends, or patterns it illustrates, providing context for the reader.

The text mentions data collected from an anemometer and an HP or Compaq computer, but it does not elaborate on the reliability of the data sources or the accuracy of the measurements. It is essential to provide information on the calibration and validation processes.

The text mentions studies showing correlations between higher temperatures and happier people but fails to clearly establish the link between temperature, dust, and health issues in Baghdad. The relationship between temperature, dust, and health should be explicitly explained.

The text mentions that three hospital wards exceeded the anticipated temperature range, but it does not delve into the reasons behind this deviation. A more in-depth analysis of the monitoring results and potential solutions would improve the discussion.

While the text mentions modest costs associated with renewable energy and the impact on day-to-day operations, it lacks specific data or examples to support these claims. Including cost-benefit analyses or case studies would provide a more evidence-based discussion.

The text does not discuss the limitations of the study.