

Review of: "[Review Article] From Theory to Practice: The Impact of E-Learning on Student Performance, Trends, and Educational Horizons"

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The article excels in several areas. First, it employs the PRISMA framework for its bibliometric analysis, ensuring a systematic and transparent review process. The inclusion of 1420 relevant articles from a pool of 8060 publications demonstrates a thorough and inclusive approach, providing a solid foundation for the study's findings. The use of VosViewer for data visualization is another strength, as it makes complex bibliometric data more accessible and easier to interpret. Additionally, the article's global perspective, highlighting contributions from various countries and institutions, adds depth to the analysis and underscores the international scope of e-learning research.

To further enhance the quality and impact of the article, several specific improvements are recommended:

- 1. Incorporate Qualitative Insights:** The article heavily relies on quantitative data, which, while valuable, may not fully capture the nuances of e-learning's impact on student performance. Including qualitative insights, such as case studies or expert interviews, could provide a richer understanding of how e-learning affects different student populations. For instance, exploring specific challenges and successes experienced by students and educators could offer more practical insights.
- 2. Discuss Limitations:** The study would benefit from a more explicit discussion of its limitations. Addressing potential biases in the selection of articles, the exclusion of non-English publications, and the reliance on the Scopus database alone would provide a more balanced perspective. Acknowledging these limitations would also help readers better understand the context and scope of the findings.
- 3. Improve Table and Figure Formatting:** Some tables and figures in the article are not well-formatted, making them difficult to read. For example, Table 1 on learning theories and some figures lack proper labeling and clarity. Ensuring that all tables and figures are well-formatted, clearly labeled, and easy to read would enhance the presentation of the data. Adding detailed captions and ensuring consistency in presentation would also improve readability.
- 4. Provide Practical Recommendations:** While the article provides a comprehensive analysis, it falls short on offering practical recommendations for educators, policymakers, and technologists. Including actionable insights based on the findings would increase the study's practical relevance. For example, suggesting specific strategies for integrating e-learning into traditional curricula or identifying key areas for future research could be highly beneficial.
- 5. Expand on Theoretical Integration:** The section on the integration of learning theories in e-learning design is promising but underdeveloped. Expanding this section with more detailed examples and applications would provide

valuable insights for designing effective e-learning environments. For instance, discussing how specific learning theories can be applied to address common challenges in e-learning could be particularly useful for practitioners.