Review of: "If knowledge were simpler, we would all be wiser"

Mohamed Housni[1]

1 University of Hassan II of Casablanca

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The paper titled "**If knowledge were simpler, we would all be wiser**" by Michael Wood explores the idea of simplifying academic knowledge to make it easier to learn, understand, and use, without sacrificing its power and usefulness. The author argues that the benefits of such simplification could be enormous, potentially saving time and enhancing the power and accessibility of academic knowledge. This could allow specialists to reach the frontiers of their discipline quicker and have more time to advance their knowledge. They might also be able to make more, and better, use of other disciplines. Students would need less time for their studies. The paper delves into the intricate relationship between the complexity of academic knowledge and its accessibility to learners.

I-Format:

- **Methodology**: The paper's methodology is primarily theoretical and conceptual, with the author presenting a series of examples and arguments to illustrate the potential benefits of simplifying knowledge. The author uses a variety of examples from different fields, which demonstrates a broad understanding of the topic. However, the paper lacks empirical evidence or quantitative data to support the claims made, which limits the robustness of the methodology.
- **Results**: The author presents a series of hypothetical scenarios to illustrate the potential benefits of simplifying knowledge. These scenarios are thought-provoking and provide a useful starting point for further discussion. However, the lack of empirical data or concrete examples limits the strength of these results.
- **Discussion**: The author provides a thorough discussion of the potential benefits and challenges of simplifying knowledge. The author acknowledges the complexity of the issue and presents a balanced view, considering both the potential advantages and the potential drawbacks of the proposed approach. The discussion is well-reasoned and insightful, but it is largely speculative and would benefit from more concrete examples or data.

II-Analysis:

- **Historical Context**: The paper references historical simplifications, such as the transition from Roman numerals to the decimal system. While these examples provide a foundation for the argument, a deeper exploration into the societal and academic implications of such transitions would have added depth to the discussion.
- **Simplification vs. Oversimplification**: The paper touches upon the potential dangers of oversimplification. However, clearer criteria or guidelines to differentiate between beneficial simplification and detrimental oversimplification would

have been beneficial.

- **Role of Technology**: The mention of AI tools like ChatGPT and their role in simplifying knowledge is intriguing. A more in-depth exploration of how AI can aid in the simplification process, without compromising the integrity of the knowledge, would have been a valuable addition.
- **Barriers to Simplification**: The paper briefly touches upon potential barriers to simplification, such as resistance from academic institutions and experts. A more comprehensive analysis of these barriers and potential strategies to overcome them would have strengthened the paper's argument.
- **Examples of Simplification**: The paper provides examples like modified Excel notation for mathematical formulae and a reformulation of the exponential function. While these examples are illustrative, a broader range of examples across various academic disciplines would have provided a more holistic view of the potential for simplification.

III-Recommendations:

1. **Expand on the Role of AI**: Given the increasing integration of AI in academic and educational settings, a deeper dive into how AI can be utilized for knowledge simplification would be timely and relevant.
2. **Incorporate Diverse Academic Disciplines**: To make the argument more universally applicable, consider incorporating examples of simplification from a wider range of academic disciplines.
3. **Stakeholder Perspectives**: It might be beneficial to include perspectives from educators, students, and academic institutions on the feasibility and implications of simplifying academic knowledge.
4. **Future Implications**: The paper concludes with the provocative idea of introducing quantum mechanics into primary school curricula. Expanding on the long-term implications of widespread knowledge simplification, both positive and negative, would provide a more rounded conclusion.

IV-Conclusion:

The paper offers a thought-provoking perspective on the potential benefits of simplifying academic knowledge. With some refinements and deeper exploration of certain areas, the paper could serve as a foundational piece in the discourse on academic knowledge simplification.