Review of: "Design and Molecular Screening of Various Compounds by Molecular Docking as BACE-1 Inhibitors"

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Potential competing interests: No potential competing interests to declare.

Major issues:

This paper should be rewritten using a more high-level scientific language. There are not many typing mistakes, but the language seems inappropriate and underwhelming for a scientific paper. Grammar is questionable. Some words are bolded due to superficial text editing, showing a lack of care for editing.

As a standalone study, this paper seems incomplete. Experimental results for the best hits would be expected, or very high-level calculations associated with the mechanisms of binding and molecular confirmations of the studied compounds.

Minor issues:

For a paper written in 2024, literature should be up to date whenever possible (for example, the Dementia India report from 2010 is outdated).

All structures should be of the same size and format, and they should be drawn and not just copy/pasted into the article.

Using docking has been done in a good manner, and the optimization of structures seems interesting. “Docking score” should be clearly described and explained after the mechanisms of binding have been studied.