Review of: "Synthesis of Nickel Nanoparticles Using Ionic Liquid-Based Extract from Amaranthus viridis and Their Antibacterial Activity"

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Potential competing interests: No potential competing interests to declare.

Review results:

In order for this manuscript to be suitable for publication, the author is advised to revise it by referring to the following suggestions:

Abstract section:

1. The authors' statement: The plant extract was used to synthesize nickel nanoparticles (NiNPs), whose production was validated by UV/Vis spectrophotometry (suggestion: please clarify what **"whose"** refers to**: nanoparticles or plant extract**?)
2. The authors state that nickel nanoparticles were utilized for anti-bacterial activity (suggestion: **please include some of the results from the anti-bacterial experiments**).

Experimental section:

1. Author statement: nickel nitrate Ni(NO3)2 (suggestion: please correct the chemical formula).
2. Please check the rest of the manuscript to correct any mistakes in chemical formula writing.

Results and Discussion section:

1. The title of subsection 3.1 is UV-Vis analysis of Ni NPs, but the contents explain the antibacterial activity test. (Suggestion: **it should be rewritten so that the content matches the title).**
2. Figure 1: (suggestion: revise the title: it should be UV/Vis**spectrum** of synthesized Ni nanoparticles. No discussion about the spectrum: please include some **discussion for** the spectrum).
3. Figure 2: revise the title: it should be: FTIR**spectrum** of Ni nanoparticles.
4. **Please correct/revise the titles for the other figures in the manuscript.**

Conclusion:

This conclusion is too short/simple; please rewrite it by including the most important findings from the research conducted.