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| Journal Name: | [**International Research Journal of Pure and Applied Chemistry**](https://journalirjpac.com/index.php/IRJPAC) |
| Manuscript Number: | **Ms\_IRJPAC\_132192** |
| Title of the Manuscript: | **ETHNOBOTANICAL, PHYTOCHEMICAL STUDIES AND DETERMINATION OF MINERAL ELEMENTS OF COMMIPHORA AFRICANA (A. RICH) ENGEL. HAVERSTED IN MALI** |
| Type of the Article | **Original Research Article** |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This research clearly shows that Commiphora africana has an important role in traditional medicine in Mali. I agree that this plant contains essential minerals such as iron, magnesium, calcium, potassium and zinc, which are beneficial for body health. Apart from that, findings regarding bioactive compounds such as terpenoids, flavonoids and alkaloids further strengthen their potential as natural medicinal ingredients. Therefore, I support the need for further research to explore the benefits and chemical content of this**  **plant in more depth.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **The alternative title I am proposing is: "Comprehensive Analysis of Commiphora africana: Insights into Ethnobotany, Phytochemical Composition, and Mineral Content."**  **This title highlights the focus of the research while emphasizing the broad scope of the study.** |  |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | **The methodology section should provide a more detailed explanation of how phytochemical screening and mineral determination were conducted, including the specific techniques or instruments used. In the results summary, it would be better to include more specific findings or numerical data, such as the concentration of key minerals or the significance of the identified phytochemical compounds. Meanwhile, the conclusion would be more complete if one or two sentences were added about the potential applications or significance of the findings.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **In the ethnobotanical survey, the researchers demonstrated honesty about its limitations and the lack of strong results, reflecting transparency and scientific accuracy.**  **The phytochemical analysis identified various active compounds that provide benefits such as antioxidant properties.**  **Regarding mineral content, this study reported the presence of essential minerals, which were confirmed through atomic absorption spectrophotometry (AAS) analysis.**  **The research methods used, such as phytochemical screening and AAS, are standard techniques, ensuring the study's reliability.**  **There is variability in mineral content between the roots and leaves. Researchers are expected to explain why this occurs and, if possible, provide standard values for the mineral content that should be present in this plant.**  **Provide an explanation for the statement: "The reported negative value requires methodological or instrumental verification" in relation to the negative chromium value.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention**  **them in the review form.** | **My suggestion is to include more recent references from the 2019–2025 range. The references you provided are outdated. Updating them will help support the relevance of the methods used in this study.**  **Example: Standardization of Paku Lindung extract (Pneumatopteris callosa (Blume)) (2024)** |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | **The quality of the language and English in the article, as reflected in the given context, appears suitable for scientific communication. The text is clear, coherent, and uses correct technical terminology, making it appropriate for an academic audience.** |  |
| **Optional/General** comments | **This article effectively integrates traditional knowledge with scientific analysis to explore the potential of *Commiphora africana*. It serves as a pioneer and an inspiration for the continuous research and documentation needed to preserve and validate the use of traditional medicinal plants.** |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

**Muh. Fajar Fauzi, Institut Teknologi Sumatera, Indonesia**