Comments for reviewers

Title: Quantification of chlorogenic acid in *Pluchea indica* L. stem ethanolic extracts and its antioxidant activity

Comments of Reviewers	***Comments of Author***
1. Title: How many antioxidant activities are in CA? if one, pls change it to "antioxidant activity".	has been revised.
2. Abstract: provide the full form of UAE.	has been revised.
3. The introduction part is not compact enough. The authors have to include the chemical structure of CA and elaborate on the functional groups responsible for its activity. The introduction will become even more informative and engaging, preparing readers for the detailed research and findings presented in the subsequent sections.	has been added to the introduction. Chlorogenic acid (CA) is an important phenolic derivative of caffeoylquinic acid (CQA). In chemical structure, CA (or 5-CQA) consists of a quinic acid core which is acylated with one moiety of caffeic acid at the C-5 (1) (**Fig. 1**). The caffeic acid group in CA plays critical role in its activity as an antioxidant. According to Kritsi et al. (2022), CA has antioxidant activity through the interaction of hydrogen bonds on the receptor binding sites of NADPH oxidase, cytochrome P450, and myeloperoxidase (2).
4. In the discussion part: The authors have to provide an explanation based on chemistry about why the 50% ethanol extract has the highest concentration of CA than the others.	has been added In general, CA is soluble in low concentrations of alcohol or alcohol-water mixtures. This compound is insoluble in non-polar solvents, such as benzene, chloroform, or ether. The high solubility in an alcohol-water mixture is related to the large number of free hydroxyl groups (18).
5. In section 7. DPPH assay: Please indicate on what basis was the ethanol selected as a blank while the DPPH was initially prepared in methanol ??.	**Clarification:** Methanol was used as a blank because the solvent used was methanol. This was done to reduce interference during absorbance readings.
6. HPLC method needs more explanation such as : -At what ratio of the mobile phase you have got the best HPLC chromatogram? Provide such details. -Pls specify at what concentration the chromatogram of the CA standard (Fig. 3A) is displayed.	 has been added. (10% B to 50% B in A for 40 min and 100% B for 10 min) has been added.