



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_41080
Title of the Manuscript:	Background Correction Method for Determination of Ascorbic Acid in Baobab Fruit Pulp Using Direct UV Spectrophotometry
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments																
Most of the English edition was corrected. Apart from my advises about English edition, further edition is lack (see comments below). References need a lot edition. Some scientific data are erroneous, e.g. they assigned r2 as the correlation coefficient (r) instead of determination correlation. Corrected One important point is that they have selected the pH value in one of the extremes of the selected range (6 - 10). They selected 6 as the ideal pH value. From the point of view of a robust method, the pH value should be selected in the middle of the selected range (plateau) in order to avoid significant changes in the measured signal. At pH 6, any small change in pH of the sample (e.g. at pH 5.5) could generate a representative change in the signal measurement. No commented by authors Various parameters required in the method validation are missing. No commented by authors Authors used a reference method. However, an experimental assay using the standard addition technique could be useful in order to ensure the accuracy of the method. No commented by authors. <table border="1"> <thead> <tr> <th>Line</th><th>Comments</th></tr> </thead> <tbody> <tr> <td>11</td><td>The absorbance and λ_{max} were remained essentially constant</td></tr> <tr> <td>37</td><td>Vitamin C vs. vitamin C</td></tr> <tr> <td>13-14</td><td>Determination coefficient ($R^2 = 0.9999$) and the molar absorptivity was $1.52 \times 10^4 \text{ l mol}^{-1} \text{ cm}^{-1}$. Improve English redaction.</td></tr> <tr> <td>51</td><td>... properties. Various plant</td></tr> <tr> <td>81-82 vs 122</td><td>(western kordofan State). vs Western Kordofan State,</td></tr> <tr> <td>90</td><td>Aquius-check correct name</td></tr> <tr> <td>92</td><td>2.1. Indophenols titrimetric method</td></tr> </tbody> </table>	Line	Comments	11	The absorbance and λ_{max} were remained essentially constant	37	Vitamin C vs. vitamin C	13-14	Determination coefficient ($R^2 = 0.9999$) and the molar absorptivity was $1.52 \times 10^4 \text{ l mol}^{-1} \text{ cm}^{-1}$. Improve English redaction.	51	... properties. Various plant	81-82 vs 122	(western kordofan State). vs Western Kordofan State,	90	Aquius-check correct name	92	2.1. Indophenols titrimetric method	We thanks the reviewer very much for the valuable comments. 1. The English corrections were done in the revised manuscript. 2. The phrase determination coefficient (r2) changed into correlation coefficient (r) in the revised manuscript. 3. We used the pH value 6, because the highest absorption value was obtained at pH = 6, similar result was obtained by Lau et al. 4. Since we applied a reference method, so we did not validate it. 5. The use of the standard addition technique is useful, we will use it in our future work.
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96	indophenols method	
175	Today, this type of figure is not required in scientific papers.	
178	...the results obtained was/are	
214	AdansoniaDigitata	
217	(AdansoniadigitataL.)	
222	Adansoniadigitata	
230	AdansoniadigitataL.).	
232	SakaJK,&Msonthi, JD.	
233	Forest ecology and Management.	
234	NellaTradizione Africana Baobab.2002.	
240	Food Chemi-stry.	
244	15th E dn.,	
246	Gokmen V, Acar J. A Simple HPLC Method for the Determination of Total Vitamin C in Fruit Juices and Drinks, fruit processings. 1996; 5/6:198. This reference need to be checked: Gokmen, V., and J. Acar, 1996. A Simple Hplc Method For The Determination Of Total Vitamin C In Fruit Juices And Drinks. Fruit Process, 5: 198-201.	