

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Research in Cardiovascular Diseases</b>
Manuscript Number:	<b>Ms_AJRCD_111460</b>
Title of the Manuscript:	<b>Effect of Ethanolic Extract of Traditional Herbal Tea (Aju-Mbaise) on Lipid Profile and some Liver Enzymes in Dyslipidaemic Female Wistar Rats</b>
Type of the Article	<b>Original Research Article</b>

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**PART 1: Review Comments**

	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)
<p><b>Compulsory REVISION comments</b></p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<ol style="list-style-type: none"> <li>The dedication given to investigate the effect of Aju-Mbaise extract on lipid oxidation and liver enzymes is highly valuable. Dyslipidemia/Hyperlipidemia causes many health problems. Therefore, there is always a need for research to prevent diseases.</li> <li>Optimizing the article title will be valuable for understandability. In particular, information should be given about how dyslipidemia occurs.  <b>Alternative title suggestion:</b> Effect of Ethanolic Extract of Traditional Herbal Tea (Aju-Mbaise) on Dyslipidemia Induced by High-Fat Diet</li> <li>In order for the study to be understood better, the abstract must be prepared very well. Accordingly, I believe that it would be more appropriate to express the summary of this study in a clearer and academic language.</li> <li>* A materials section should be added to the Materials and Methods section. Especially in this section, all chemicals and equipment used should be specified in detail (brand, model, city and country of origin). *All protocols implemented should be fully cited in the Materials and Methods section. *The title "Collection of Plant Materials and Preparation of Extract" should be changed. The sample collection-preparation section and the extraction section in this section should be presented under separate headings. * According to which reference was the plant extraction made? * Antioxidant tests of the plant used should have been performed before animal experiments were carried out. In terms of the usability of the plant, I recommend performing various antioxidant tests (Reducing Power, Radical Scavenging). * It has been mentioned that Aju-Mbaise is antihyperlipidemic and effective in preventing weight gain. However, the content that causes this effect in the extract should also be stated. For this, it is necessary to determine bioactive components by GC-MS analysis. * Ethics Committee document/number must be attached. * Why was the female rat chosen for the experiment? Didn't the hormonal cycle create a disadvantage in the course of the study? Why wasn't the male rat preferred? * According to which reference was the adaptation protocol required to prepare experimental animals for analysis applied? * Why was the HFD protocol used to induce dyslipidemia? Wasn't this induction disadvantageous both in terms of time and economy? Why weren't alternative inductions used? * In the Experimental Protocol section;     With what reference were the Experimental Groups created?     Why were the doses of EEAM and simvastatin administered alone not specified? This is an important shortcoming. On what basis was the comparison made? * The visual quality of Figure 1 must be improved. * In oral gavage application, the preparation of the sample should be more detailed. * Protocols and references for preparing blood samples for analysis are not given. This needs to be added. * Kits used for lipid profiles must be specified. * Graphs should be created for the results of the analyses. * The relations in the discussion section should be discussed in an academic language by supporting and comparing them with current documents.</li> </ol>	

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	<p>5. It is a study that I think has potential, but has serious shortcomings as I mentioned in the previous article. I would like to point out that if these deficiencies are eliminated, the value of the study will increase even more.</p> <p>6. Resources need to be strengthened with up-to-date resources. In addition, references must be added regarding the topics mentioned in Article 4.</p>	
<b>Minor</b> REVISION comments		
<b>1. Is language/English quality of the article suitable for scholarly communications?</b>	It needs to be carefully edited with technical English editing expertise, with particular attention to English grammar and sentence structure.	
<b>Optional/General</b> comments	Considering that every study conducted is valuable, the study may be evaluated if the deficiencies I have mentioned are eliminated. However, the most important issue in this study is the lack of an ethics committee document.	

## **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

## **Reviewer Details:**

Name:	<b>Esra Palabiyik</b>
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