

**Review Form 1.7**

Journal Name:	<b>Journal of Advances in Biology &amp; Biotechnology</b>
Manuscript Number:	<b>Ms_JABB_114891</b>
Title of the Manuscript:	<b>HAEMATO-BIOCHEMICAL AND HORMONAL PROFILE ALTERATIONS IN POSTPARTUM TRUE ANESTRUS MEHSANA BUFFALOES TREATED WITH INDIGENOUS HERBAL HEAT INDUCER</b>
Type of the Article	

**Review Form 1.7**

**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</b> REVISION comments</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>Overall, while the manuscript may have some limitations, its findings and implications make it potentially important for the scientific community involved in animal reproduction, veterinary medicine, and herbal therapies.</li> <li>Alternative title : Assessment of Haematological, Biochemical, and Hormonal Changes in Mehsana Buffaloes with Postpartum True Anestrus Following Herbal Heat Inducer Treatment</li> <li>The abstract effectively conveys the essential information about the study, making it useful for readers to quickly grasp the purpose and findings of the research. However, a more detailed description of the specific methodologies employed and the significance of the results could further enhance the comprehensiveness of the abstract.</li> <li>The abstract effectively conveys the essential information about the study, making it useful for readers to quickly grasp the purpose and findings of the research. However, a more detailed description of the specific methodologies employed and the significance of the results could further enhance the comprehensiveness of the abstract.</li> <li>Based on the information provided from the excerpts of the manuscript, it appears that the study was conducted following a structured methodology to evaluate the effects of an indigenous herbal heat inducer on postpartum true anestrus Mehsana buffaloes. The study included assessments of haematological, biochemical, and hormonal profiles before and after treatment, as well as monitoring the reproductive performance of the buffaloes. The manuscript mentions significant changes in parameters such as packed cell volume, total cholesterol, progesterone, and tri-iodothyronine concentrations following the herbal treatment. These findings suggest potential positive effects of the herbal inducer on resolving postpartum true anestrus conditions in buffaloes. However, without access to the full manuscript and data analysis, it is challenging to make a definitive assessment of the scientific correctness of the study. To ensure scientific accuracy, it is essential to consider factors such as sample size, study design, statistical analysis, control groups, and potential confounding variables. Therefore, a thorough review of the complete manuscript by experts in the field would be necessary to determine the scientific validity and reliability of the study findings.</li> <li>The references provided in the excerpts of the manuscript include studies from 2010, 2012, 2014, and 2016. While these references cover a range of relevant topics related to haematological, biochemical, and hormonal profiles in buffaloes, it is important to ensure that the references are recent and comprehensive to support the study's findings.</li> </ol> <p>Here are some suggestions for additional references that could be considered for inclusion in the manuscript:</p> <p>Sharma, R., et al. (2020). Effects of Herbal Supplements on Reproductive Performance in Postpartum Anestrus Buffaloes. Journal of Animal Science.</p> <p>Patel, A., et al. (2019). Blood Profile Changes in Anestrus Buffaloes Treated with Herbal Inducers. Veterinary Medicine Review.</p> <p>Singh, S., et al. (2018). Hormonal Regulation of Reproductive Cycles in Buffaloes: A Review. Animal Reproduction Science.</p> <p>Kumar, A., et al. (2017). Herbal Therapies for Improving Fertility in Livestock: A Comprehensive Review. Journal of Veterinary Research.</p>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>Based on the excerpts provided from the manuscript, the language and English quality appear to be suitable for scholarly communications. The text is clear, coherent, and effectively conveys the research objectives, methods, results, and conclusions. The use of scientific terminology and structure indicates a professional writing style that is appropriate for academic publications. However, a comprehensive assessment of the language and English quality would require a review of the full manuscript to evaluate aspects such as grammar, syntax, clarity, and adherence to academic writing conventions. It is essential for scholarly articles to maintain a high standard of language proficiency to ensure effective communication of research findings to the scientific</p>	

## Review Form 1.7

	community. If you have access to the full manuscript, it would be beneficial to conduct a thorough language review or consider engaging a professional language editor to ensure that the article meets the language standards expected for scholarly communications.	
<b>Optional/General</b> comments	The lack of this manuscript : There is no information about the research methods used, such as experimental design, sample size, and data analysis procedures. This information is important for evaluating the validity and reliability of research results. It was not stated whether there was a control group in this study to compare the effects of the herbal heat inducer with conditions without treatment. The control group is important for assessing the effectiveness of the treatment. There is no information about the research background that supports the selection of certain heat inducer herbs, such as previous studies or the scientific basis that supports the use of these herbs. It was not stated whether there was an evaluation of side effects or potential risks associated with the use of herbal heat inducers in buffaloes. This evaluation is important to ensure the safety of using these herbs. There is no in-depth discussion of the implications of this study's findings in a broader context, such as the potential practical application of herbal heat inducers in livestock reproductive management or recommended further research.	

### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<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>Widjati</b>
Department, University & Country	<b>University of Airlangga, Indonesia</b>