

Journal Name:	Asian Journal of Research and Review in Agriculture
Manuscript Number:	Ms_AJRRA_1765
Title of the Manuscript:	Genetic and non-genetic factors estimation for growth parameters of Abergelle and Boer goat crossbred kids Tigray, Ethiopia
Type of the Article	Research

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript holds significance for the scientific community because it addresses critical genetic and non-genetic factors influencing growth parameters in crossbred goat populations. The study is particularly relevant for improving livestock in arid and semi-arid regions, as it combines the resilience of local breeds with the enhanced growth performance of exotics like Boer goats. I find this manuscript valuable for its thorough analysis of both genetic and environmental influences on growth traits, which can support sustainable agriculture practices and help meet food security needs in similar regions.	
Is the title of the article suitable? (If not please suggest an alternative title)	The term "Estimation" might imply statistical estimation methods rather than focusing on how these factors influence growth. So could be clearer. An alternative title could be: <b>"Influence of Genetic and Non-genetic Factors on Growth Traits of Abergelle and Boer Crossbred Goats in Tigray, Ethiopia"</b>	
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.	If possible, include the importance and gap (Background) of the study with few sentences	
Are subsections and structure of the manuscript appropriate?	The overall subsections and structure of the manuscript is appropriate and well structured. But it is consumable if the following points are included. <b>Genetics and Environment interaction</b> <ul style="list-style-type: none"><li>✓ This is very important in animal breeding, please consider it</li></ul> <b>The manuscripts lack conclusion or/and recommendation</b> <ul style="list-style-type: none"><li>✓ Brief summary of findings and their potential applications or recommendations for goat breeders is very important. Please include in the paper.</li></ul>	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript appears scientifically robust and technically sound due to its systematic examination of genetic and non-genetic factors affecting growth traits in Abergelle and Boer crossbred goats. By employing a comprehensive data collection methodology and appropriate statistical analyses, the study ensures reliable results that contribute to the understanding of growth trait variability within these breeds. The use of controlled variables and a structured research design adds scientific validity, allowing for clear identification of influences on growth traits. Additionally, comparing findings with existing literature supports the manuscript's relevance.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	The references are quite extensive, covering a wide range of studies on genetic and non-genetic parameters, growth traits, and other relevant factors for goat production. However, a few updates and additions could strengthen the manuscript.	

Comment [A1]: If you can include genetics and Environmental interaction it makes you manuscript stronger.

	<div>1. <b>More recent studies:</b> There are several references from the 1980s and early 2000s; adding more recent studies (from 2020 onwards) on goat genetics, especially studies related to Abergelle or Boer breeds, would enhance the relevance of the literature.</div> <div>2. <b>Diversity in geographic focus:</b> Many references are region-specific to East Africa and Ethiopia, which is excellent for localized relevance. However, adding recent research from similar climates or breeding programs in other parts of Africa, Asia, or Europe could provide a broader context and strengthen comparative analysis.</div> <div>3. <b>Community-based breeding programs:</b> Since community-based breeding programs are mentioned, including more recent studies that evaluate their effectiveness in small ruminants, particularly goats, could be helpful. Research articles on genetic gains or livelihood improvements resulting from such programs would be relevant.</div> <div>4. <b>Livestock and environmental interactions:</b> Given the importance of genetic and environmental interactions, recent studies that assess the impact of climate change on goat productivity, growth, and adaptability would provide valuable insights.</div> <div>These additions would ensure that the references are comprehensive, current, and relevant to the topic's breadth and depth.</div>	
<div>Minor REVISION comments</div> <div>Is the language/English quality of the article suitable for scholarly communications?</div>	<div>The language quality of the article is likely suitable for scholarly communication, but a few refinements could enhance readability and clarity.</div> <div><div>✓ Use formal language that avoids redundancy and maintains a clear logical flow.</div><div>✓ Use consistent and appropriate technical terms.</div><div>✓ Review for minor grammatical errors, awkward phrasing</div></div>	
<div>Optional/General comments</div>	<div>Overall, this manuscript presents a solid contribution to the field, with a well-defined scope and a comprehensive approach to the research question. Addressing the above mentioned points will make the manuscript more refined and aligned with high-quality scholarly communication standards.</div>	

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:

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