Journal Name:	Asian Journal of Research in Animal and Veterinary Sciences
Manuscript Number:	Ms_AJRAVS_116926
Title of the Manuscript:	Sorption Isotherm of products from turkey cuts
Type of the Article	Original Research Article

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)
<u>Compulsory</u> REVISION comments		THE THE TOTAL AND THE TOTAL AN
Is the manuscript important for scientific community? (Please write few sentences on this manuscript)	Abstract:	
	Abstract: The abstract you provided is quite informative and provides a good overview of the study. However, here are two suggestions that could improve the text: 1. Clarify the Context: The abstract could benefit from a clearer explanation of the context. 2. Improve Result Presentation: The presentation of the results could be improved. Include specific numerical values for water activity and monolayer moisture content to provide clearer quantitative insights into the stability differences between the marinated and processed turkey products. Clarify the implications of water activity levels in relation to microbial growth to strengthen the conclusion about the shelf stability and safety of the turkey meat products. Introduction: 1. Clarify the specific methodologies employed in each sorption isotherm investigation to enhance reproducibility and comparability across studies. 2. Consider incorporating references to previous research on similar meat products to contextualize the significance of the current study within the broader scientific literature. 3. Emphasize the potential practical implications of the findings for food industry professionals, such as specific recommendations for optimizing storage conditions or marination techniques. 4. Ensure consistency in terminology and formatting throughout the introduction to enhance readability and professional presentation. 5. Provide a brief overview of the limitations or potential challenges associated with conducting sorption isotherm studies on meat products, acknowledging areas for future research or methodological refinement. Material & Methods: 1. Standardize the preparation procedures across all turkey products to ensure consistency and comparability in the results. 2. Consider conducting sensory evaluations alongside the sorption isotherm measurements to correlate changes in moisture content with perceived quality attributes. 3. Provide justification for the choice of specific ingredients and marination methods, emphasizing their potential im	
	Result and Discussion:	
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	 Clarification: In the first paragraph, you mentioned that the fitness curve ranged from 0.833 to 0.902 across the four turkey meat products. It would be helpful to clarify what the fitness curve represents in this context. Contextualization: When discussing the results, consider providing more context or background information. For example, why is it significant that soy-sauce marinated turkey breast jerky had the lowest water activity? How does this impact the product's quality, safety, or shelf-life? Interpretation of Results: Expand on the interpretation of the results. For instance, what do the differences in water activity and monolayer moisture between the different turkey meat products imply? How might these differences impact the product's quality or shelf-life? References: Ensure that all the references are correctly cited and correspond to the correct sources. This will help readers who want to delve deeper into the topic. Elaborate on the implications of the observed differences in water activity and monolayer moisture among the turkey meat products, particularly in relation to their potential shelf life and storage requirements. Provide insights into the practical applications of the sorption isotherm results for food manufacturers, such as informing packaging and storage conditions to maintain product quality and safety. Discuss the significance of the Type II sorption isotherm observed in the turkey meat products, highlighting its relevance for understanding moisture absorption kinetics and predicting product stability over time. Consider including discussions on the sensory attributes and consumer preferences associated with the different turkey meat products, linking these observations to the moisture sorption characteristics reported. Expand on the potential implications of using vinegar-based marinades for turkey meat preservation, discussing their effectiveness in mitigating mi	
Minor REVISION comments		
Is language/English quality of the article suitable for scholarly communications?	Need to improve	
Optional/General comments		
	The language quality of the article requires improvement to meet the standards of scholarly communication. Proper formatting of the manuscript is essential, and attention to language precision and clarity is needed to enhance readability and professionalism.	

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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