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REVIEWER'S REPORT

Manuscript No.: IJAR-59846

Title: Digital Food Traceability Technologies for Enhancing Quality and Safety in Saudi Arabia's Poultry Supply Chain.

Recommendation:

Accept as it is .....

Accept after minor revision.....

Accept after major revision .....

Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance	✓			

Reviewer Id: JPR-287

Reviewer's Comment for Publication.

The manuscript addresses an important and timely topic concerning the application of digital food traceability technologies to enhance quality, food safety, and halal assurance in Saudi Arabia's poultry supply chain. The review provides a comprehensive synthesis of 30 peer-reviewed articles published between 2020 and 2025, covering blockchain, RFID, IoT sensors, QR codes, data standards, food safety risks, governance, and consumer perspectives. The discussion effectively connects documented poultry safety concerns in Saudi Arabia with the potential benefits of digital traceability technologies. The proposed five-layer framework offers a useful structure for integrating product identification, data capture, shared records, assurance, and governance across the poultry supply chain. The manuscript also appropriately recognises important implementation challenges, including data accuracy, interoperability, cost, adoption barriers, and the limited availability of Saudi-specific empirical evidence. Overall, the paper is logically organised, relevant, and potentially valuable to researchers, food safety authorities, poultry producers, and supply chain stakeholders. **Minor revision is recommended**, particularly regarding methodological transparency, consistency in the presentation of the framework and tables, and the clarification of the practical implications for the Saudi poultry sector.