

# An Exploratory analysis for integrating Field Data Collection Concepts and Data management for commercial poultry farmers in Uganda

## *Introduction*

The poultry commercial farmers (hatcher, sellers and buyers of poultry birds)[1] continue to rapidly expand throughout Uganda. The production of chicken and eggs is increasing in the country and the genetic potential of the broiler, breeder, and egg-type layer has changed dramatically, resulting in a higher production of delicate chicken. Thus, the commercial chicken of today requires improved data management practices. In today's highly growing poultry industry, field data collection practices implemented by a company determines how data is stored, collected, interpreted and whether conclusions are correct/erroneous. In the field, many potential opportunities to evaluate production are encountered daily and often are lost, as data collection systems are not organized and data generated cannot be evaluated and applied.[2]

A poultry producer must have a complete and accessible data bank when production problems are encountered to facilitate a quick and successful resolution; because live birds are involved, timely and accurate decisions play a major role in preventing greater losses due to disease outbreaks, feeding and substandard housing. The factor to consider is that most data collection problems can easily be resolved once the problems are clearly defined. Hence the use an **Integrated data collection and a centralized database system** will help the commercial poultry farmers to efficiently collect and manage data from their contract farmers and customers.[3]

## *Background*

The commercial poultry farmers use paper forms to collect field data about their customers and contract farmers on how they manage their poultry birds to aid them in decision making, but a lot of problems are associated with paper based tools for example; a lot of storage space is used in storing the forms, the paper forms are prone to damage that is for the case of disasters, inefficient document transportation, material supply costs, poor collaboration and editing problem.[4] But the use of a ***Integrated data collection system*** in the field data collection will solve the above problems and improve data management for example; using ODK **collect**[5] on a mobile smart phone to input data to a centralized database in real time.

## References

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<sup>1</sup>Group1 Research Title, Introduction/Background