



# A Simple Local Incubator

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Binza

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## Introduction:

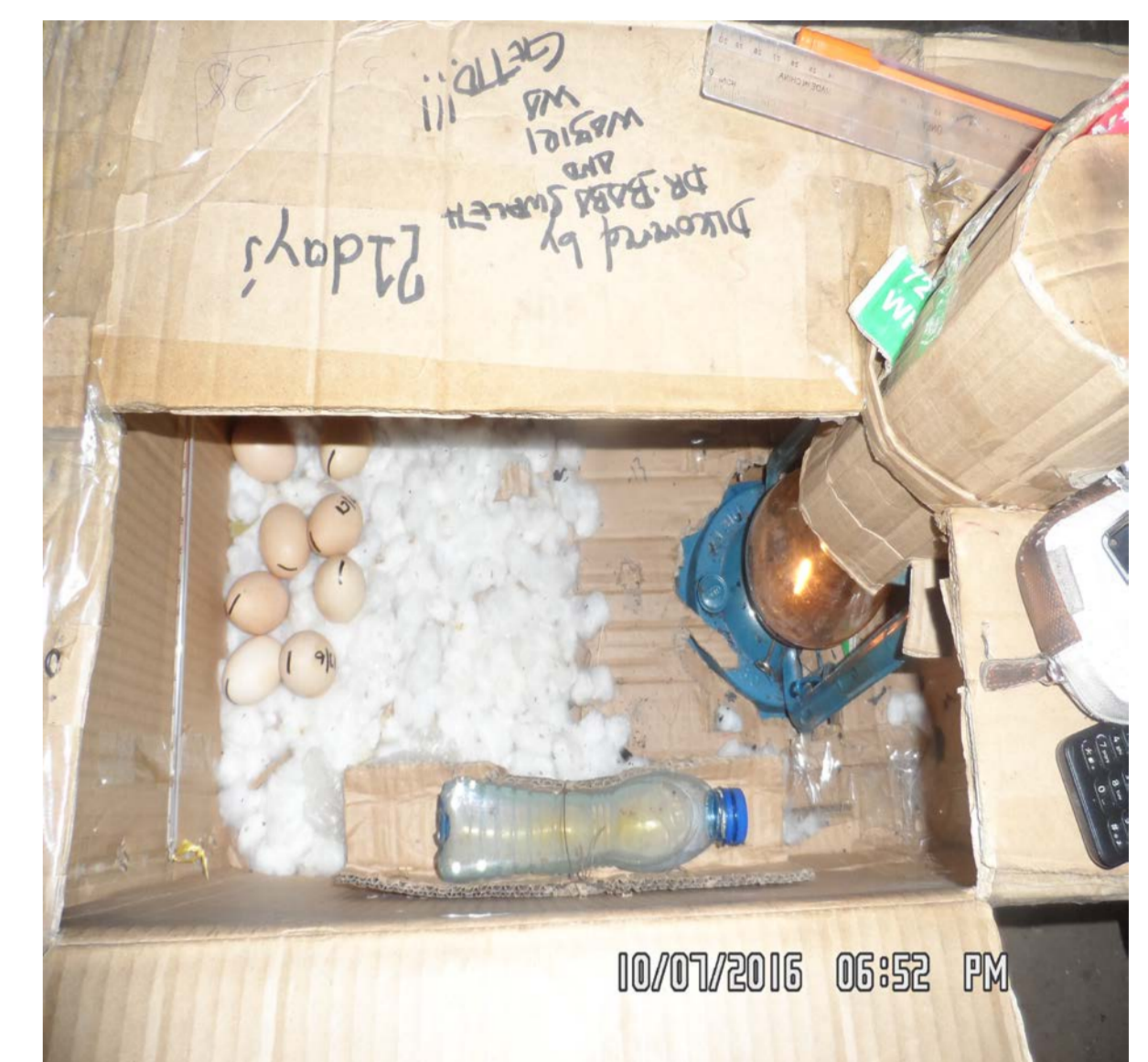
In this project of the simple egg incubator we had the main aim of production of chicken at low cost as it is incubator has only local materials and reliable items at which a normal person can obtain. We took some simple available and local materials such as hurricane lamp, cotton, Box, a solotape, plastic container and thermometer where we join and put them together in order to construct our simple incubator. We also had different interviews from different people who gave us important information on this project as we contracted in by regulation of heat which was temperature, humidity which was important for softening the eggs hence become easier during incubating and kerosene as the main source of energy for our incubator.



## Method:

We went first to the modern poultry keepers and we asked some questions we had on which kind of ways we uses with his modern incubator in order to obtain chicks. Some of this information such as the heat needed for incubation was **38-39C**, the period of exchanging sides of the eggs before being hatched was after every **12 hours**, how to press the eggs in right order for hatching purpose, the number of days needed until the hatching process, and the cost and profit involved.

After the interview we decided that we would make our own Incubator by transferring the knowledge obtained through Modern technological into Local method and come out with our incubator by considering the information obtain from Modern poultry keepers. Our incubator is made from a hurricane lamp (heat-source), a box as a framewall, selotape to join parts of our incubator, a container with warm water for egg softening during hatching, cotton as an hatching place for chicks and thermometer to control required temperature before incubating.

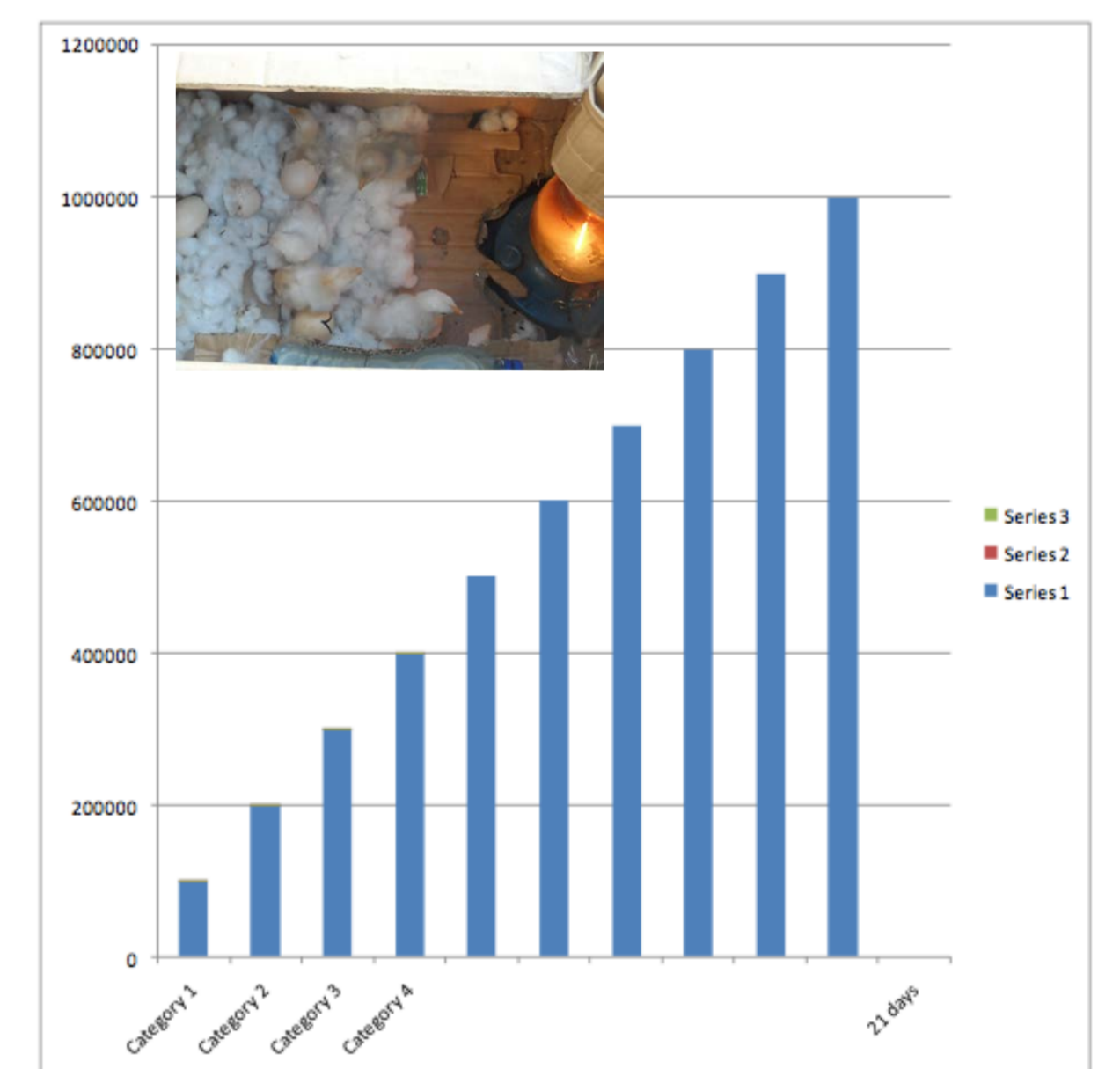


## Results:

Our results came out as we had expected. We have already succeeded to hatch **7 chicks** out of **12 eggs** which we started with using our simple and local incubator. **2 Eggs** among these **12 eggs** were used as a testing sample to note if there were any embryotic development changes of chick before eggs being incubated where it has to be broken for the first **14 days**. Thus after every **7 days** we had to break **1 egg**, and **3 eggs** were not completely incubated, thus our local findings seems that the eggs were not fully developed and matured before hatching due to the fact that it had possessed just less weight compared with other eggs since when they brought from a shop before start of incubating processes (this is just an assumption although can be true).

From the results we had obtained chicks after **26 days** where we have decided to compare our simple and local incubator with the Modem incubator in terms of days for incubation shown in these photos.

As shown in the graph to the right, the running costs increases as the day increases towards a day of incubation because of high demands for heat supply from electricity which is so expensive for poor or local people to afford as the embryo mature.



## Conclusions

After looking at the these few obstacles that thus domestic hen poultry keepers, we have come up with thus solution to thus problems can used by modern incubator and domestic keepers by manufacturing our simple local and easy to make incubator.

We are certain that this incubator will meet demands of the poultry keeper as it is easy not only to make but also to use at which if saves money during manufacturing and if enable the poultry keepers to make more income for his or her own purpose and we as an individual or for a group which may use this project for community development.

## References

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