

POULTRY FORMING: PRODUCTION OF KADADKNATH SPECIES IN DANTEWADA DISTRICT, CHHATTISGARH

Khuman Singh¹ and Prof. R. K. Singh^{2*}

¹M. Phil Zoology (Research Scholar), Dr. C.V. Raman University, Kargi-Road, Kota,
Bilaspur-495113 (C. G.).

^{2*}Professor and Head, Department of Zoology, Dr. C.V. Raman University, Kargi-Road,
Kota, Bilaspur-495113 (C. G.).

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*Corresponding Author

Prof. R. K. Singh

Professor and Head,
Department of Zoology,
Dr. C.V. Raman
University, Kargi-Road,
Kota, Bilaspur-495113 (C.
G.).

ABSTRACT

Poultry forming is the process of domesticated birds species for the purpose of farming meat or eggs for food. Poultry farm is going to standard commercial operation in rising, processing and marketing chickens and eggs. Boiler, layer are commercially viable in Chhattisgarh but Kadaknath species are also involve commercial production due to higher nutritional value. Poultry industry is also a significant Chhattisgarh state exchange earner and a source of income and employment to millions of people. Experimental basis of commercial Kadaknath chicken and eggs is most successful business germinate in district Dantewada, Bastar. Another aim is, mainly to help the government to take up policy decisions and formulate suitable schemes and programmes to ameliorate the socio-economic conditions of the egg producers in Bastar region.

KEYWORDS: Poultry, forming, Nutritional Value, Kadaknath.

INTRODUCTION

Kadaknath is an important indigenous breed of poultry in habitating vast areas of Dantewada Districts. But because of indiscriminate cross breeding with RIR and other breeds the pure Kadaknath birds are very rarely available in Dantewada district. The breed kadaknath is also known as "kalamasi" all over the India. As compared to layer birds group. The flesh of these breed has high medicinal properties protein 25%, while in other birds 13-20% proteins is present. Its flesh can be consumed by heart patient also because amount of fat in these birds is

0.73-1.03% and cholesterol 184.7 mg./100 mg. The eggs are also an ideal nutritive, especially for old people and high blood pressure victims, since the cholesterol content is low and amino acids higher than that of other kinds of birds.

METHOD OF POULTRY FORMING

Housing

Suitable poultry housing is very important for successful poultry farming business. Poultry birds can be raised in both free range and indoor production systems. In case indoor production system, it is very crucial to manage the environment. Poultry need accurate management and environment for better production and welfare. Whether the poultry raised in indoor or outdoor system, make sure the well management, ventilation, lighting, temperature and other condition.

Environment

A good poultry housing system must have to be weather proof. Weather proof poultry housing system will keep the poultry birds safe from the adverse weather conditions such as cold, rain, wind, hot sun etc. The poultry housing system should have the facilities of providing warmth, particularly during brooding period and winter season.

STUDY AREA

Dantewada in the southern part of the state of Chhattisgarh is named after the goddess Danteshwari who is the presiding deity of the Danteshwari Temple. Dantewada is located at 18.9000°N latitude and 81.3500°E longitude. It is elevated at an average of 351 meters and has an area of total 10,238.99 sq km.

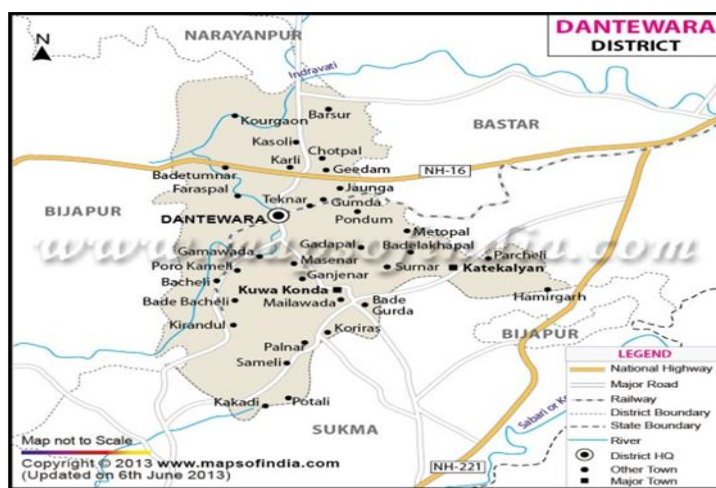


Fig. 1: Map in Dantewada.

OBJECTIVES OF THE STUDY

The following are the specific objectives of the present study

- To preserve the protected area for the preservation of Kadaknath Species.
- To getting the means of employment in tribal population.
- To analyse the trend, growth and magnitude of variability of egg production.

MATERIALS AND METHODOLOGY

Study site

In survey of the three sample site is Indra Gandhi Agriculture Research Center Dantewada, Fulsundari Swa-Sahayata Samuh Heeranar (Gidam) and Rajuram Kashyap (Karli Gidam) in Dantewada district. In which observe, mating system, Egg production, chicken growth etc in Kadaknath species. Observe chicken egg to chicken growth rate used to incubator Machine, hatching tray, weight machine, camera, food materials of Kadaknath species.



Fig. 2: Poultry Home in Dantewada.

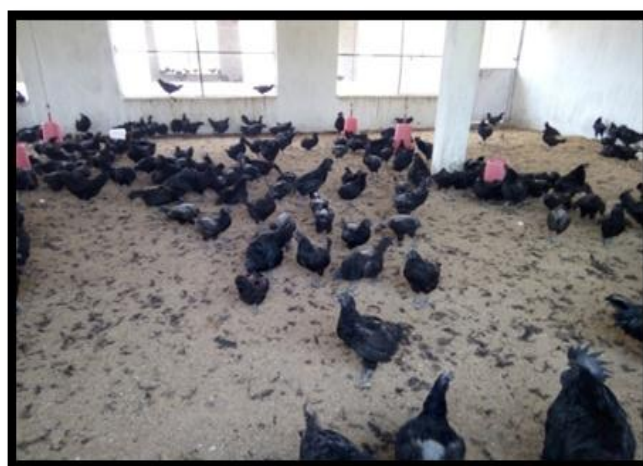


Fig. 3: Mating system site.



Fig. 4: Incubation Machine.



Fig. 5: Hatching Tray.



Fig. 6: carrying chicks tub with light.



Fig. 7: Agriculture Center Dantewada.



Fig. 8: Male Kadaknath.

RESULT AND DISCUSSION

The present study, data have been collected from both primary and secondary sources. The primary data have been collected three poultry form house in Dantewada district with the help of interview manually schedule and through discussions. A field survey has been conducted covering 3 sample poultry units of the Dantewada district.

Table 1: Matting Production.

| S.No. | Name of Poultry form | No. of Male Kadaknath | No. of Female Kadaknath | Total No. of Kadaknath |
|-------|--|-----------------------|-------------------------|------------------------|
| 1 | IGARC Dantewada | 30 | 120 | 150 |
| 2. | Fulsundari Swa-Sahayata Samuh Heeranar (Gidam) | 24 | 96 | 120 |
| 3. | Rajuram Kashyap Karli Gidam | 28 | 112 | 140 |
| | Total | 82 | 328 | 410 |

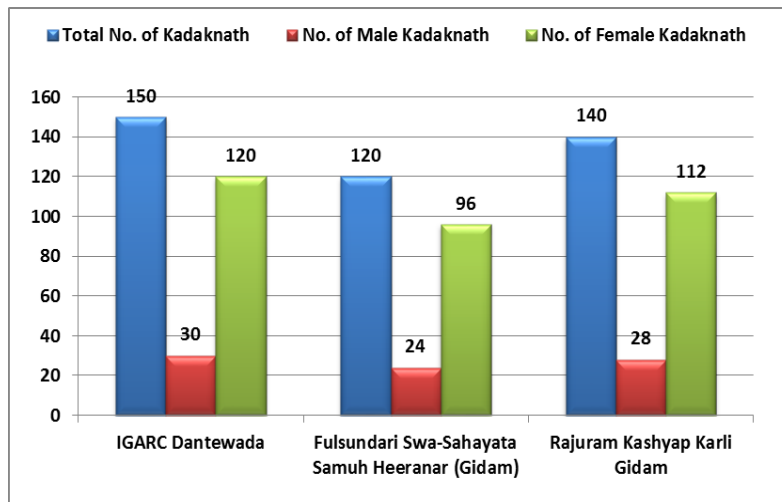
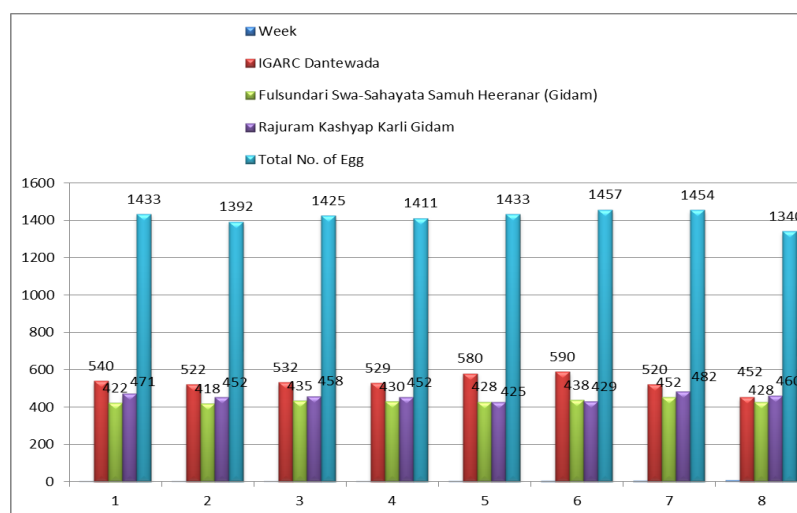


Fig. 9: Total number of Kadaknath in Dantewada District.

Table 2: Egg Production.

| Week | IGARC Dantewada | Fulsundari Swa-Sahayata Samuh Heeranar (Gidam) | Rajuram Kashyap Karli Gidam | Total No. of Egg |
|--------------|-----------------|--|-----------------------------|------------------|
| 1 | 540 | 422 | 471 | 1433 |
| 2 | 522 | 418 | 452 | 1392 |
| 3 | 532 | 435 | 458 | 1425 |
| 4 | 529 | 430 | 452 | 1411 |
| 5 | 580 | 428 | 425 | 1433 |
| 6 | 590 | 438 | 429 | 1457 |
| 7 | 520 | 452 | 482 | 1454 |
| 8 | 452 | 428 | 460 | 1340 |
| Total | 4265 | 3451 | 3629 | 11345 |



Graph 2: Production of Egg of Kadaknath in Dantewada.

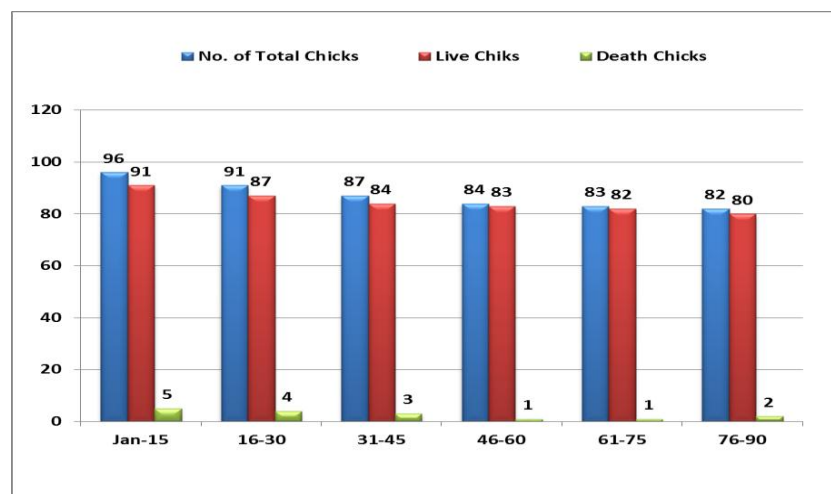
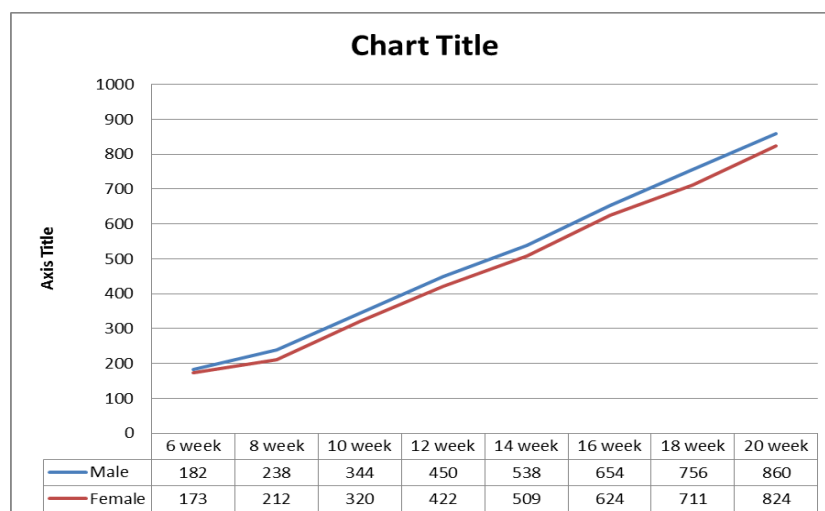
Fig. 10: Production of Egg of Kadaknath in Dantewada.

Table 3: Egg Hatching Rate (Average 300 Egg observe Hatching Tray).

| Week | Total Egg | Live Chicks | Dead Chicks |
|------|-----------|-------------|-------------|
| 1 | 100 | 96 | 04 |

Table 4: CARERING OF CHICKS GROWTH RATE.

| Days | No. of Total Chicks | Live Chicks | Death Chicks |
|-------|---------------------|-------------|--------------|
| 1-15 | 95-96 | 90-91 | 5-6 |
| 16-30 | 90-91 | 87-87 | 3-4 |
| 31-45 | 87-87 | 84-83 | 3-4 |
| 46-60 | 84-83 | 83-81 | 1-2 |
| 61-75 | 83-81 | 82-80 | 1-2 |
| 76-90 | 82-80 | 82-79 | 0-1 |

**Fig. 11: Mortality rate of Kadaknath in Dantewada District.****Fig. Growth rate of Kadaknath in Dantewada District.**

CONCLUSION

As poultry industry is also a significant foreign exchange earner and a source of income and employment to millions of people. The eggs and meat of Kadaknath reared in the backyard farming will certainly improve economic status of a majority of rural/tribal families of Dantewarda. The government should come forward to implement all the various suggestions given and thereby many people can start more poultry industrial units. The government of Chhattisgarh can definitely earn more amount of foreign exchange by poultry based products from Bastar region.

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