**STUDY ON PRODUCTIVE PERFORMANCE AND MANAGEMENT OF HISEX BROWN AT ISLAM POULTRY FARM, CHITTAGONG**

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**A production report presented in partial fulfillment of the requirement for the degree of Doctor of Veterinary Medicine (DVM)**

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**CHITTAGONG VETERINARY AND ANIMAL SCIENCES UNIVERSITY**

**KHULSHI, CHITTAGONG-4202**

**February 2013**

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**ABSTRACT**

The study was conducted at ISLAM poultry farm in Chittagong for a period of 1st to 31st January, 2013, to observe management of housing, feeding, lighting, production performance, disease control practices of 7572 HISEX brown layer birds under cage rearing system. During the study period the egg production percentage, mortality rate, body weight gain and feed intake of observed layer birds of the farm are compared with the standard level. From the standard level the percentage of egg production of HISEX brown are 93%, 93%, 92% and 92% respectively at the age of 38th, 39th, 40th and 41st weeks of age but the observed percentage of egg production in the farm were 86.20%, 85.57%, 85.12% and 84.75% which were lower than the standard level. Again it was found that the mortality rate were 0.026%, 0.052%, 0.066% and 0.066% in that farm during study period respectively at the age of 38th, 39th, 40th and 41st weeks, whether the standard levels are 1.6%, 1.7%, 1.8% and 1.9% which is higher than the result. So, that it is very good for the farm that the mortality rate is very lower than the normal standard. Amount of feed intake per day is 120 gm which is similar to the standard level. In case of weight gain the standard levels are 1.910 kg, 1.915 kg, 1.920 kg and 1.930 kg per bird respectively at the age of 38th, 39th , 40th and 41st weeks; The weight gain of birds were 1.85 kg, 1.85 kg, 1.90 kg and 1.90 kg of that farm, which are almost same. All the observation and study during experimental period showed that the average hen day egg production was 85.41% from 38th to 41st week of age of the hens. The peak production was 86.20% at 38th week of age.

**Key words:**  HISEX brown, Egg production, Feed intake, Weight gain, Mortality rate.

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