**A REPORT ON**

 **Comparative Economic and Regression Analysis of Dairy Enterprises at Some Selected Areas of Sirajganj District in Bangladesh.**

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**Report Presented in Partial Fulfillment of the Requirement for the Degree of Doctor of Veterinary Medicine**

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**Chittagong Veterinary and Animal Sciences University**

 **Khulshi, Chittagong-4225.**

 **January, 2014**

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**I**

**A.S.M. Shah., 2013, Comparative Economic and Regression Analysis of Dairy Enterprises at Some selected Areas of Sirajganj District in Bangladesh.**

 **ABSTRACT**

The study was carried out at some selected areas of Sirajganj district with the view to analyze the Comparative Economic Analysis of Dairy Enterprises under Backyard, Semi-commercial and Commercial farming system and regression analysis to measure cause and effect relationship between two variables. The monthlyprofit and monthly recurrent cost of cows were estimated to find out the economic state of a farm .Simple linear regression model is used to develop a mathematical relationship between monthly recurrent cost and monthly profit of the farms as well as to predict or estimate the future profit. A total of 40 farms were selected randomly as sample from Sirajganj district and necessary data were collected from January 2013 to December 2013 that is for one year. The study revealed that **BCR** on the basis of total recurrent cost for backyard farming, semi-commercial farming and commercial farming in Sirajganj was found **1.80**, **1.84** **1.81** respectively. Which showed that the semi-commercial farming was more profitable due to less input of feed cost and extensive rearing at **Bathan**. The reason behind this issue was the availability of feed and legal price of milk. On the other hand the study concluded with finding a positive cause and effect relationship between the selected two variables such as monthly recurrent cost as independent variable and monthly profit as dependant variable. Finally, the study identified some important problems related to dairy farming at farmer’s level and made some remedial recommendations for improving dairy farming in the study areas. SPSS 16.0 version was used for the analysis of the current study.

 **Key words:** **Benefit Cost Ratio (BCR)**, **Recurrent Cost, Profit, Regression.**

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