**Dedicated to-**

**My lovely parents**

**Md. Mahabubur Rahaman**

**&**

**Mst. Zarna Tara Begum**

**Table of contents**

|  |  |  |
| --- | --- | --- |
| **Chapter** | **Contents** | **Pages** |
|  | **Title page** | **i** |
|  | **Signature page** | **ii** |
|  | **Dedication** | **iii** |
|  | **Table of contents** | **iv** |
|  | **List of Tables** | **v** |
|  | **List of figures** | **vi** |
|  | **List of abbreviations** | **vii** |
|  | **Abstract** | **viii** |
| **Chapter-1 :** | **Introduction** | **1-2** |
| **Chapter-2:** | **Materials and Methods** | **3-5** |
| **2.1: Study area** | **3** |
| **2.2: Survey design** | **3** |
| **2.3 : Data collection** | **3** |
| **2.4 : Data analysis technique** | **4-5** |
| **Chapter-3 :** | **Result and Discussion** | **6-14** |
| **3.1 : Socioeconomic Characteristics of Cattle fattening farmers of the study areas** | **6-7** |
| **3.2 Profitability analysis for beef cattle fattening** | **8-10** |
| **3.3 : Factors associated with beef fattening** | **11-12** |
| **3.4 : Problems faced by beef fatteners** | **13-14** |
| **Chapter-4 :** | **Conclusion** | **15-16** |
|  | **Acknowledgement** | **17** |
|  | **References** | **18-19** |
|  | **Biography** | **20** |
|  | **Annex** | **21-22** |
|  | **Image Gallery** | **23** |

**List of Tables**

|  |  |  |
| --- | --- | --- |
| **Table no** | **Content** | **Page** |
| **3.1** | **Socio-economic characteristics of cattle fattening farmers** | **7** |
| **3.2** | **Cost and income from beef cattle fattening (Per cattle)** | **9** |
| **3.3** | **Factors associated with beef fattening** | **11** |
| **3.4** | **Problems affecting beef cattle fattening as perceived by respondents** | **13** |

**List of Figures**

|  |  |  |
| --- | --- | --- |
| **Figure no** | **Contents** | **Page** |
| **3.1** | **Technology used by farmer for beef fattening** | **12** |

**LIST OF ABBREVIATIONS**

|  |  |
| --- | --- |
| * **NM** | Net Margin |
| * **VC** | Variable Costs |
| * **TR** | Total Return |
| * **TC** | Total Cost |
| * **TVC** | Total Variable Cost |
| * **TFC** | Total Fixed Cost |
| * **GM** | Gross margin |
| * **VC** | Variable cost |
| * **TR** | Total revenue |
| * **NR** | Net Revenue |
| * **BCR** | Benefit cost ratio |
| * **BDT** | Bangladesh Taka |
| * **UMB** | Urea Molasses Block |
| * **UMS** | Urea Molasses Straw |
| * **%** | Percentage |

**ABSTRACT**

This study examined the profitability of beef cattle fattening in the Chittagong district of Bangladesh. A total of 150 cattle fatteners were randomly selected from this districts from six upazilla who fattened their beef cattle before Eid-Ul-Azha. Socioeconomic data as well as data on beef fattening were collected from the farmers when they came to the Eid cattle market. Descriptive statistics was used to analysis the socioeconomics characteristics of beef producers, the profit function was used to determine the profitability of beef market. In spite of beef cattle production was profitable agribusiness most of the farmers adopt traditional beef fattening system for beef fattening target the cattle marketing during the Muslim festival “Eid-ul-Azha”. Profitability margin equals BDT 33191.49 per cattle. The benefit cost ratio of the entire enterprise was 0.51 that means cattle fattening enterprise is profitable and feasible business enterprise. The major problems facing the farmers include high cost of feeds, inadequate credit facilities, disease attack, price fluctuation and inadequate extension services. A policy and research emphasis should be geared toward feeds production at affordable price to the fatteners and fatteners should be educated on how to formulate local feeds to reduce cost and access to feeds for better efficiency and discourage to use human drugs, tablets and injection for cattle fattening. These findings can be used by the Ministry of Livestock and Fisheries Development extension agents to promote beef cattle fattening in Chittagong district.

**Keywords: Economic Analysis, BCR , Beef cattle, Fattening, Profitability**