**LIST OF CONTENTS**

|  |  |  |
| --- | --- | --- |
| **CHAPTER** | **TITLE** | **PAGE NO.** |
|  | ACKNOWLEDGEMENT | iii |
|  | LIST OF FIGURES | v |
|  | LIST OF TABLES | vi |
|  | LIST OF ACRONYMS/ABBREVIATION  | vii |
|  | ABSTRACT | 01 |
| **I.** | INTRODUCTION | 02 |
| **II.** | REVIEW OF LITERATURE | 05 |
| **III.** | MATERIALS AND METHODS | 14 |
| **IV.** | RESULTS | 18 |
| **V.** | DISCUSSION | 27 |
| **VI.** | CONCLUSION AND LIMITATION | 30 |
| **VII.** | REFERENCES | 31 |
| **VIII.** | ANNEXURE A ) Questionnaire B) Some representative pictures | 41 |

**iv**

 **LIST OF FIGURES**

|  |  |  |
| --- | --- | --- |
| **FIGURE** **NO.** |  **TITLE** | **PAGE NO.** |
| 01 | Schematic representation of the PPR morbillivirus | 6 |
| 02 | Worldwide cumulative distribution of the four PPR virus lineages.  | 8 |
| 03 | Proportion of PPR positive goats according to different explanatory variables  | 18 |
| 04 | The median, minimum, maximum, 25th and 75th percentile values of age among PPR positive and negative goats | 19 |
| 05 | The median, minimum, maximum, 25th and 75th percentile values of temperature among PPR positive and negative goats | 20 |
| 06 | The median, minimum, maximum, 25th and 75th percentile values of heart rate among PPR positive and negative goats | 20 |
| 07 | The median, minimum, maximum, 25th and 75th percentile values of respiratory rate among PPR positive and negative goats | 21 |
| 08 | Proportion of Haematological pictures of Healthy and PPRV-infected goats | 25 |
| 09 | Proportion of different drugs response to the treatments | 26 |

 **v**

 **LIST OF TABLES**

|  |  |  |
| --- | --- | --- |
| **TABLE NO.** |  **TITLE** | **PAGE NO.** |
| 01 | Association of different categorical variables with PPR occurrence in goats under the investigation | 22 |
| 02 | Comparison of mean values of different continuous variables between PPR positive and negative goats tested with t test | 23 |
| 03 | Comparison of Haematological pictures (Mean± SEM) of healthy and PPRV affected goats | 24 |
| 04 | Response to treatments in the three different groups | 25 |

 **vi**

 **LIST OF ACRONYMS/ABBREVIATION**

|  |  |
| --- | --- |
| % | Percentage |
| BB | Black bengal  |
| BLRI | Bangladesh Livestock Risearch Institute |
| ˚C | Degree Celsius |
| DLS | Department of Livestock Services |
| ˚F | Degree Fahrenheit |
| DLC | Differential leukocyte count |
| *et al.* | *et alii* |
| etc | et cetera |
| F | Fusion protein |
| FAO | Food and Agricultural Organization |
| GREP | Global Rinderpest Eradication Project |
| h | Hour |
| JP | Jamunapari |
| L | Large protein |
| N  | Nucleoprotein |
| nm | Nanometer |
| OIE | Office International Des Epizooties |
| P | Phosphoprotein |
| PPR | Peste des petits ruminants |
| PPRV | Peste des petits ruminants virus |
| RNA | Ribonucleic acid |
| RP | Rinderpest |
| RPV | Rinderpest virus |

**vii**