



**DETECTION OF *Cryptosporidium* IN *Capra aegagrus hircus* (GOATS) AND
Bos taurus (CATTLE) FROM SELECTED LIVESTOCK FARMS IN
DASMARIÑAS CITY, CAVITE**

A Thesis Presented to

The Faculty of the Biological Sciences Department

College of Science

De La Salle University-Dasmariñas

Dasmariñas, Cavite

In Partial Fulfillment of the Requirements

for the Degree of Bachelor of Science Major in Human Biology

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March 2011



ABSTRACT

The aim of this study is to detect the *Cryptosporidium* oocysts present in goats and cattle's feces reared in selected livestock farms of Dasmariñas City, Cavite. Voided fecal samples were collected randomly from twenty goats and cattle in six selected livestock farms. Fecal examination of samples was done by Formalin-Ethyl Acetate Sedimentation Concentration technique to separate parasites from fecal debris and was identified using Modified Ziehl - Neelsen Technique also known as acid-fast stain. It was found out that cattle are more susceptible to infection of *Cryptosporidium* oocysts with a total average of oocyst count 66.67% against goat having 33.33%. Out of 40 animals, there are 19 infected animals detected with *Cryptosporidium* species while there are 21 non-infected. Moreover, infected cattle have a 60% occurrence against infected goats with 35% occurrence. The result revealed that there is a significant difference ($P < 0.05$) in the percent occurrence of *Cryptosporidium* infection in goats and cattle which means that cattle is more susceptible to infection.



TABLE OF CONTENTS

Title Page	1
Approval Sheet	2
Acknowledgments	3
Abstract	4
Table of Contents	5
CHAPTER 1 INTRODUCTION	
1.1 Background of the Study	8
1.2 Conceptual Framework	10
1.3 Statement of the Problem	10
1.4 Hypotheses	11
1.5 Scope and Limitations	11
1.6 Significance of the Study	12
1.7 Definition of Terms	12
CHAPTER 2 LITERATURE REVIEW	
2.1 Conceptual Literature	14
2.2 Related Studies	17
CHAPTER 3 METHODOLOGY	
3.1 Research Design	23
3.2 Research Setting	23
3.3 Research Procedure	24



3.4 Data Gathering and Statistical Analysis	26
CHAPTER 4 RESULTS AND DISCUSSION	
4.1 Results	27
4.2 Discussion	30
CHAPTER 5 CONCLUSIONS AND RECOMMENDATIONS	
5.1 Conclusions	33
5.2 Recommendations	33
Cited References	34
Appendices	
A. Standard Procedure	39
B. Raw Data	42
C. Life Cycle and List of <i>Cryptosporidium</i> Species	45
D. <i>Cyclospora</i> Species	47
E. Photodocumentation	48
Curriculum Vitae	54



LIST OF TABLES

4.1 Average number of <i>Cryptosporidium</i> oocysts found in goat and cattle in different livestock farms	28
4.2 Number of infected goats and cattle	29

