

TABLE OF CONTENTS

APPROVAL PAGE	i
AUTHENTICITY STATEMENT	ii
ACKNOWLEDGEMENT	iii
LIST OF ABBREVIATIONS	
ABSTRACT	i
CHAPTER I	1
INTRODUCTION	1
A. Background.....	1
B. Problem formulation.....	3
C. Research objectives	4
D. Research benefits.....	4
1. Academic.....	4
2. Community.....	5
E. Research Authenticity.....	6
CHAPTER II.....	9
LITERATURE REVIEW	9
A. Literature Review	9
1. Fetal Programming	9
2. Nutrition during Pregnancy	11
3. Use of Mice in Research	13
4. Male Mice Reproductive System	15
4.1. Testes	17
4.2. Seminiferous tubule.....	18
4.3. Sertoli cells	19
B. Theoretical Framework.....	21
C. Conceptual Framework.....	22
D. Hypothesis	23
CHAPTER III	24
RESEARCH METHODOLOGY	24
A. Study Design and Setting	24
B. Study Population.....	24
C. Study Sample.....	25
D. Study Variables.....	26

E. Operational Definition Variables.....	27
F. Measuring Instrument.....	29
G. Laboratory Analysis	32
H. Data analysis.....	33
I. Ethical Consideration	33
CHAPTER IV	35
CHAPTER V.....	49
BIBLIOGRAPHY.....	51