

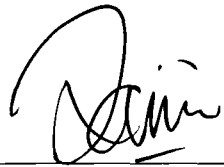
IMPACTS OF NATURAL AND ARTIFICIAL DIET ON
GROWTH AND SURVIVAL RATE *Oreochromis niloticus*

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TABLE OF CONTENTS

	PAGE
ACKNOWLEDGEMENT	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	vi
LIST OF FIGURES	vii
LIST OF ABBREVIATIONS	viii
ABSTRACT	ix
ABSTRAK	x
CHAPTER 1: INTRODUCTION	
1.1 Background of study	1
1.2 Problem statement	4
1.3 Significance study	5
1.4 Objectives of the study	5
CHAPTER 2: LITERATURE REVIEW	
2.1 History, Taxonomy and Biology of <i>Tilapia</i> sp.	6
2.2 Physical characteristics of <i>Tilapia</i> sp.	7
2.3 Diet of <i>Tilapia</i> sp.	8
2.4 Environmental Habitat of <i>Tilapia</i> sp.	9
2.5 Resistance of <i>Tilapia</i> sp. towards Pathogen	10
2.6 Growth of <i>Tilapia</i> sp.	11
2.7 Market of <i>Tilapia</i> sp.	12
2.8 Survival of <i>Tilapia</i> sp.	13
CHAPTER 3: METHODOLOGY	
3.1 Materials	14
3.1.1 Apparatus and Chemicals	14
3.2 Size of Tank	14
3.3 Types of Diet	15
3.3.1 Artificial Diet	15
3.3.2 Natural Diet	16
3.4 Methods	17
3.4.1 Parameters of Water	17
3.4.2 Food and Feeding	18
3.5 Measurement of Fish	19
3.6 Survival of Sample	20
3.7 Data Analysis	21

CHAPTER 4: RESULTS AND DISCUSSION

4.1 Impacts of Natural and Artificial Diet on Growth of *O. niloticus* 23
4.2 Impacts of Natural and Artificial Diet on survival rate of *O. niloticus* 39

CHAPTER 5: CONCLUSION AND RECOMMENDATIONS 42

CITED REFERENCES 43

APPENDICES 49

CURRICULUM VITAE 58

ABSTRACT

IMPACTS OF NATURAL AND ARTIFICIAL DIET ON GROWTH AND SURVIVAL RATE OF *Oreochromis niloticus*

A 56 days long experiment was conducted with a view and objective to observe the impacts of natural and artificial diet on *Oreochromis niloticus* to provide the data for future research and help farmer to improve their farming of *O. niloticus* species in order to boost up their production. There were two treatment in this experiment which is Tank A and Tank B. Each of the tanks was stocked with 20 fry having an initial weight 1.58 ± 0.05 g and 1.67 ± 0.65 g and initial total length 4.90 ± 0.17 cm and 4.86 ± 0.20 cm respectively in a cistern of (57 x 38 x 40) cm plastic tank. The fry fed with an artificial diet showed a significantly different better result in term of weight gained, length of the fish, head length, length of dorsal fin, pectoral fin length, length of aral fin base and the standard length of the fish. Both of the diet shown a 100% of survival rate.