

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

(وَقُلْ رَبِّي زُنَيْي عِلْمًا)

صدق الله العظيم

سورة طه الآية (114)

DEDICATION

THE PRESENT STUDY IS DEDICATED

TO OUR PARENTS AND OUR COLLEAGUES

TO ANY PERSON who HELPED US DURING OUR STUDY ,

TO ALL STAFF OF FISHERIES AND WILDLIFE SCIENCE

ACKNOWLEDGEMENT

First of all we thank, the almighty, Alla who gave us patience and Stamina to accomplish this study. The supervisor Prof. Ali Saad Mohamed didn't spare any time to guide this study successfully .We are appreciating hi assistance Ustaz Magbour offered us the Opportunity to do the research in the parasitology laboratory, we are indebted to him. Alot of thanks to the staff members of the Department of Fisheries and Wildlife Science.

ABSTRACT

A preliminary surveillance was conducted for investigation of internal parasites of the black back jackal *Canis mesomelas*. The methods used were direct smear and floatation tests of the faecal material of the jackal. Both methods revealed almost, similar results. Order of parasitic prevalence was : *Toxocaris sp* (**38.67%**) ; *Coccidia sp* (**28.58%**) ; *Echinococcus sp* (19.35%) ; and *Taenia sp* (**6.45%**) ; Giardia (**3.22%**) ; *Toxoplasma sp*(**3.22%**) ; Trichuis (3.22%) and Ascaris (**3.22%**) .

It is recommended that other carnivores and herbivores should receive similar investigation procedure routinely.

المستخلص

اجري مسح لطفيليات الثعلب بحديقة حيوان كوكو استخدمت طريقتا المسح و الطفو لبراز الثعلب بالحديقة . اظهرت النتائج بالنسبة للطريقتين تشابهاً كبيراً كانت الطفيليات التي ظهرت بالمستويات التالية : توكسوكارس(36.67%) ، كوكسيديا (28.58%)، اكاينو كوكس(19.35%)، تينا(6.45%)، جيارديا(3.22%)،، توكسوبلا زما(3.22%) ، تراكيوريس(3.22%) واسكارس(3.22%) .

يوصى ان تضاف اكلات اللحوم الأخرى والعواشب الموجودة بحديقة كوكو لمعاملة مماثلة للكشف عن طفيلياتها .

Table of Contents

Subject	Page
Privation	I
Dedication	II
Acknowledgement	III
Abstract in English	IV
Abstract in Arabic	V
Table of Contents	VI
List of tables	VII
List of Plates	VIII
Chapter One	
Introduction	1
Chapter Two	
Literature Review	2
Chapter Three	
Materials And Methods	5
Chapter Four	
Results	7
Chapter Five	
Discussion	9
Chapter Six	
Conclusion	10
Recommendation	11
References	13

List of Table

Name of table	page
Table1: Helminth parasitic ova recovered in direct smear method	7
Table 2 : Helminth parasitic ova recovered in floatation method	8
Table 3 :Total number of ova recovered as % for the two methods	8

List of Plate

NO.	Name of Plate	Page
1	Trichris Sp	14
2	Toxoscaris Sp.	15
3	Echinococcus Sp.	16
4	Taenia Spp.	17
5	Giardia Spp	18