شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

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تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

شبكة المعلومات الجامعية

بعض الوثائق الأصلية تالفة

بالرسالة صفحات لم ترد بالأصل

Ain Shams University
Faculty of Science
Entomology Department

Assessment of Hepatitis B and C Virus nucleic acids in the mosquito, *Culex pipiens* L. and its possible role of transmission.

A Thesis Submitted For
Awarding Doctor of Philosophy Degree in Science (Entomology)

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Approval Sheet

Title of Thesis:

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تقييم وجود الحمض النووي لفيروسي الالتهاب الكبدي(بي وسي) في البعوضه المنزليه كيوليكس بيبينز ودورها المحتمل في النقل .

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DEDICATION

This thesis is dedicated to the soul of my beloved father, who I really missed.
And my whole family who supported me a lot.

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

الرَّحْمَنُ (1) عَلَّمَ الْقُرْآنَ (2) خَلَقَ الْإِنْسَانَ (3) عَلَّمَهُ الْبَيَان (4)

صدق الله العظيم
(سوره الرحمن)

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CONTENTS

ABBREVIATIONS

Abbreviations	Complete Name
AF	Artificial feeding
CDC	Centers for Disease Control
DENV	Dengue Virus
DF	Direct feeding
DNA	Deoxyribonucleic acid
EDTA	Ethylene diamine tetra acetic acid
FR	Feeding rate
HBV	Hepatitis B Virus
HCC	Hepatocellular carcinoma
HCV	Hepatitis C Virus
IU/ml	International unit per ml
JEV	Japanese encephalitis virus
MTCT	Mother-to-child transmission
OTUs	Operational taxonomic units
PAT	parenteral antischistosomal therapy
PCR	polymerase chain reaction
REC	Research Ethics Committee
RH	Relative humidity
RNA	Ribonucleic acid
RT - PCR	Real - time PCR
RVF	Rift Valley Fever
RVFV	Rift Valley Fever Virus
S.R	Survival rate
WHO	World Health Organization
WNV	West Nile Virus
ZIKV	Zika Virus