



بسم الله الرحمن الرحيم

El sheikh Abdullah El badri University

Faculty of health sciences

Department of medical laboratory science

Antibacterial activity of extract *Acacia nilotica* against known organisms (Escherich coli ,*Pseudomonas aeruginosa* ,*Staphylococcus aureus*) in El sheikh Abdullah El badri University during may march July 2018.

Dissertation is submitted for partial fulfillment BSC honor in medical laboratory sciences.

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Table of content

Topic	Page
الآية	i.
Dedication	ii.
Acknowledgement	iii.
Abstract English	iv.
Abstract Arabic	v.

Chapter one

Introduction	
Antibacterial	
<i>Acacia nilotica</i>	
Botanical description	
Distribution	
Traditional uses	
Constituents	
Rational and justification	
General objective	
Specific objective	
Literature review	

Chapter two

Material and method	
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Chapter three

Result	
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Chapter four

Discussion	
Conclusion	
Recommendation	
References	

الآية

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قال تعالى :

(والأرض مددناها والقينا فيها رواسي وانبتنا فيها من كل شيء
موزون)

(سورة الحجر " ١٩ ")

Dedication

to our teacher prophet mohammed

who is sent for all population as a mercy

to our mothers

who have given us endless love

to our fathers

who have given us encouragement and strength

to our teachers

who have given us advices

to our colleagues

who have supported us

and to every one

have participated in this project

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Abstract

This study tested the in vitro antibacterial activity of *Acacia nilotica* extract against known isolated bacteria (*Escherichia coli*, *Pseudomonas aeruginosa*, *Staphylococcus aureus*). The in vitro antimicrobial susceptibility testing was performed using disc diffusion test.

The result showed that *Acacia nilotica* extract exhibited high antibacterial activity against known isolate organism

The activity of *Acacia nilotica* extract was controlled with gentamycin

المستخلص

اختبرت هذه الدراسة النشاط المضاد للبكتيريا في استخراج أكاسيا نيلوتيكيا ضد البكتيريا

(*Staphylococcus aureus* ,*Pseudomonas aeruginosa* ,*Escherichia coli*)

تم اختيار حساسية مضادات الميكروبات باستخدام طريقة نشر القرص وقد تم تحديد الحد الأدنى من تركيزات البكتيريا

أوضحت النتائج أن مستخلصات أكاسيا نيلوتيكيا أظهرت فعالية عالية ضد أنواع البكتيريا التي تم استخدامها وقد تم التحكم في نشاط مستخلصات أكاسيا نيلوتيكيا مع بعض المضادات الحيوية تشمل جنتاميسين

