شبكة المعلومات الجامعية

# بسم اللّه الرحمن الرحيم



# شبكة المعلومات الجامعية

# التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

# جامعة عين شمس

## التوثيق الإلكتروني والميكروفيلم

# قسم

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

# يجب أن

## تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

# بعض الوثائق الأصلية تالفة


شبكة المعلومات الجامعية


# بالرسالة صفحات لم ترد بالأصل

# Evaluation of Cleaning Ability and Antimicrobial Action of New Herbal Ethanolic Mixture Extract as An Irrigant

Thesis Submitted to the Faculty of Dentistry, Ain Shams University

For Partial fulfillment of requirements for The Master Degree in Endodontics

By


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*To my precious parents, the first to teach me to trust in Allah, believe in hard work and to chase my dreams, your love and affection always surrounded me.*

*To my One and Only Brother, your prayers from heaven are felt always, you will be proud as I promised.*

*To my great supporting loving husband, your care, patience and encouragement helped me through.*

*To my dear lovely children, you are the reason why I completed this humble work, because of you, I am always trying to be better, God bless you.*

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# List of Abbreviations

| Abb. | Full term |
|---|---|
| **%** | Percentage |
| **Conc.** | concentration |
| **CFU** | Colony forming units |
| **ml** | Milli-liter |
| **mm** | Milli-meter |
| **NaOCL** | Sodium hypochlorite |
| **BHI** | Brain heart infusion |
| **#** | Number |
| **P-value** | Probability |
| **SD** | Standard deviation |
| **WL** | Working length |
| **MAF** | Master apical file |