

إستهلال  
(وقل رب زدني علماً)  
سورة طه - الآية 114

Dedication

**This work is dedicated to my**

**parents**

**brothers and sisters**

### Acknowledgment

First and foremost, praise to almighty Allah, who give me the strength and patience to conduct this research

I wish to express my gratitude and thanks to Prof. Mohammed Elmubark Osman for his guidance, suggestions, encouragement and support throughout the period of study.

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## Abstract

In this work formulation of Henna gel and cream were achieved. A blend of Gum Arabic and Karaya Gum was used along with Henna extract to formulate a paste for cosmetic and natural uses.

The physical properties of the prepared Henna gel and cream were investigated and adjusted to improve their quality.

The henna cream was prepared using Henna solution 5.75 % and Karaya gum 6.3% , the physical properties of the cream were determined, pH was equal to 4.55 and moisture was equal to 63.91%.

The gel was prepared using Henna solution 5.75 %, Karaya gum 6.3% and gum arabic 13.5% , the physical properties of the gel were determined, pH was equal to 4.48 and moisture was equal to 65.88%

## المستخلص

في هذا العمل, تم تكوين هلام وكريم الحنة, تم استخدام مزيج من الصمغ العربي وصمغ الكرايا بالإضافة إلى مستخلص الحنة لتكوين معجون يصلح للإستخدامات التجميلية والطبيعية

تمت دراسة الخصائص الفيزيائية لهلام وكريم الحنة و مواعمتها لرفع مستوى جودتهما.

تم تحضير كريم الحنة باستخدام محلول الحنة % 5.75 وصمغ الكرايا % 6.3 و بدراسة الخواص الفيزيائية للكريم وجد ان الرقم الهيدروجيني 4.55 والرطوبة %63.91

تم تحضير الهلام باستخدام محلول الحنة % 5.75 وصمغ الكرايا % 6.3 والصمغ العربي %13.5 و بدراسة الخواص الفيزيائية للهلام وجد ان الرقم الهيدروجيني 4.48 والرطوبة %65.88

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