

# DEDICATION

To parents

To all teachers

To brothers and sisters

To our Friends and College

To any person helps us during our study

## **Acknowledgment**

First almost grateful thanks to Allah for strength all he giving us to complete this work and to our Supervisor Dr:Alhady Mater for his guidance and good supervision during this work.

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## Abstract

The study was conducted to determine the effect of feeding graded levels (zero%,6%,8%) of water melon seeds powder b(raw and teted(roasted)) on broiler chike's performance. A total of 120 day-old broiler chicks (Ross 308) were randomly distributed into five dietary treatments each treatment contained two replicates (12 birds/replicate), Each experimental group was fed its signed diet for (16 days) as experimental period. The results showed that there were no significant differences ( $p \geq 0.05$ ) in the Total feed intake (g/bird). The results showed that there were a highly significant differences in body weight. Value of ( $p < 0.01$ ) when broiler fed 8% roasted recorded high one. The results showed that there were significant differences ( $p < 0.05$ ) whereas 8% processed recorded is best (FCR). The results showed that there were significant differences recorded low value whereas 6% and 8% untreated in week 5 and 6. Also The results showed that there were significant differences in heart and internal fat between all groups record high value whereas (C) group record the lowest one. Group (E) showed high value in internal fat compared to other groups.

## مستخلص

قد اجريت هذه التجربة لدراسة تأثير استخدام مستويات متدرجة (٠, ٦, ٨) من مسحوق بذور البطيخ (الخام و المعالج(محمص)) على اداء الفراخ اللاحم تم استخدام عدد ١٢٠ كتكوت للاحم (روس ٣٠٨) و تم توزيعهم عشوائياً على خمس معاملات غذائية و بمعدل ١٢ طائر لكل معامل ، وقد تم تغذية كل مجموعة تجريبية على نظامها الغذائي المتوقع لمدة (٦ ايوماً) اظهرت النتائج عن عدم وجود فروق ذات دلالة احصائية للعلف المتناول بين المجموعاتي حين اظهرت النتائج وجود فروق في الوزن المكتسب في الأسبوعين الخامس و السادس حيث سجلت المعاملة ٨% محمص اعلى معدل في الأسبوع الخامس و الأسبوع السادس مقارنة بالأخرى (١٩٠٧.٦±١٠٩.٦) لوحظت ان عند تغذية الدجاج اللاحم بنسبة ٨% من مسحوق بذور البطيخ المحمص. سجلت افضل كفاءة تحويلية (١.٦٨±٠.٠٧) عند تغذية الطيور بنسبة ٨% من مسحوق بذور البطيخ المحمص. و اظهرت النتائج عدم وجود فروقات ذات دلالة احصائية كبيرة عند وزن القلب و الدهون الداخلية حيث سجل المجموعة (٦% غير محمص) سجلت اعلى قيمة. و سجلت مجموعة (٨% غير محمص) وزن دهني داخلي اقل قيمة مقارنة مع المجموعات الأخرى المختبرة ، و التي قد تكون سبب ارتفاع محتوى الألياف في بذور البطيخ. أظهرت النتائج عدم وجود فرق ذات دلالة احصائية في وزن الكبد ، وزن الزبيحة و معدل النفوق بين المجموعات تجريبية.

## Contents of the index

| Si.no       | Contents   | Page |
|-------------|--|------|
| i           | Dedication   |      |
| ii          | Acknowledgment                                     |      |
| iii         | Abstract   |      |
| iv          | Arabic Abstract                                    |      |
| v           | Initiation   |      |
| Chapter one |  |      |
| 1.0         | Introduction                                       | 1    |
| Chapter two |  |      |
| 2.0         | literature Review                                  | 2    |
| 2.1         | Poultry farming                                    | 2    |
| 2.2         | Broiler chickens                                   | 2    |
| 2.3         | Nutritional Requirements of Poultry                | 2    |
| 2.4         | Broiler meat production in the world               | 3    |
|             | Water melon  |      |
| 2.5         | Botanical Description of water melon seeds         | 6    |
| 2.5         | Geographical Distribution                          | 7    |
| 2.6         | Utilization of Water melon                         | 7    |
| 2.7         | Proximate Chemical Composition of Water Melon Seed | 9    |
| 2.7.1       | Moisture content                                   | 9    |
| 2.7.2       | Crude protein                                      | 9    |
| 2.7.3       | Amino Acids:                                       | 10   |
| 2.7.4       | Ether extract (EE)                                 | 11   |
| 2.7.5       | fatty Acid content                                 | 12   |
| 2.7.6       | Carbohydrate Content                               | 14   |
| 2.7.7       | Crud fiber content                                 | 15   |

|               |  |          |
|---------------|--|----------|
| 2.7.8         | The total ash in watermelon seed                             | 15       |
| 2.7.9         | the effect of using water melon seeds powder in broiler      | 15       |
| 2.7.10        | Performance  | 15       |
| Chapter three |  |          |
| 3.0           | Materials and Methods  | 17       |
| 3.1           | Experimental site and duration                               | 17       |
| 3.2           | Experimental Birds   | 17       |
| 3.3           | Housing  | 17       |
| 3.4           | feeder and Drinkers  | 17       |
| 3.5           | Dietary Ingredients  | 17       |
| 3.6           | Experimental Diets   | 18       |
| 3.7           | composition of calculated and analysed of experimental diets | 18       |
| 3.8           | Feeding regime   | 19       |
| 3.9           | Watering   | 19       |
| 3.10          | lightening   | 19       |
| 3.11          | proehylactic measures  | 19       |
| 3.12          | carcass preparation  | 19       |
| 3.13          | Data collection  | 20       |
| 3.14          | Statistical Analysis   | 20       |
| Chapter four  |  |          |
| 4.0           | Results  | 24<br>29 |
| Chapter five  |  |          |
| 5.0           | Discussion   | 30       |
| Chapter six   |  |          |
| 6.0           | Conclusion and recommendations                               | 31       |
| References    |  | 32<br>35 |

## List of Tables

| Tables No  | Title of Tables  | Pages |
|------------|--|-------|
| Table (1)  | Composition of calculated and analysed of experimental diets.                        | 20    |
| Table (2)  | Composition of calculated and analysed of the diet pre-starter and starter diet.     | 21    |
| Table (3)  | Growers.   | 22    |
| Table (4)  | Finisher diet.   | 23    |
| Table (5)  | Effect of water melon seeds on weekly broiler feed intake (g/bird).                  | 24    |
| Table (6)  | Effect of water melon seeds on weekly broiler weight gain (g/bird).                  | 25    |
| Table (7)  | Effect of water melon seeds on weekly broiler body weight (g/bird).                  | 26    |
| Table (8)  | Effect of water melon seeds on weekly broiler feed conversion ration (FCR).          | 27    |
| Table (9)  | Effect of water melon seeds on overall broiler performance .                         | 28    |
| Table (10) | Effect of water melon seeds of (Carcass , liver , Gizzard ,Heart and Internal fat ). | 29    |