



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة



شبكة المعلومات الجامعية



بالرسالة صفحات

لم ترد بالأصل



***SYNTHESIS OF SOME
BENZIMIDAZOLE DERIVATIVES OF
POSSIBLE BIOLOGICAL ACTIVITY***

Thesis submitted

By

MOHAMED EI-SAYED AFIFY

(B.Sc chemistry)

1994

For

Partial fulfillment
of the requirements
of the

MASTER DEGREE OF SCIENCE

In

Chemistry

To

Department of Chemistry

Faculty of Science

Suez Canal University

B 7740





SYNTHESIS OF SOME BENZIMIDAZOLE DERIVATIVES OF POSSIBLE BIOLOGICAL ACTIVITY

**Thesis submitted
By**

MOHAMED EL-SAYED AFIFY
B.Sc. Science (Chemistry)
Suez Canal Univ.

*This Thesis for master degree in chemistry has been approved
by*

Referees:

Signature

1-Prof.Dr. \ El-Sayed Hossaine El-tammny
Prof. of Organic Chemistry,
Faculty of Science, Suez Canal Univ.

E. H. Eltamany

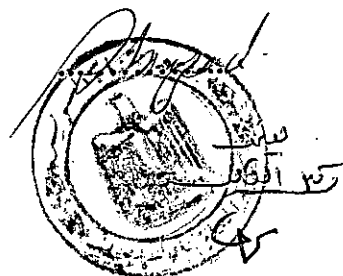
2-Prof.Dr. \ Said Ahmed Soliman Gozlan
Prof. of Organic Chemistry,
Faculty of Science, Cairo Univ.

.....
[Signature]

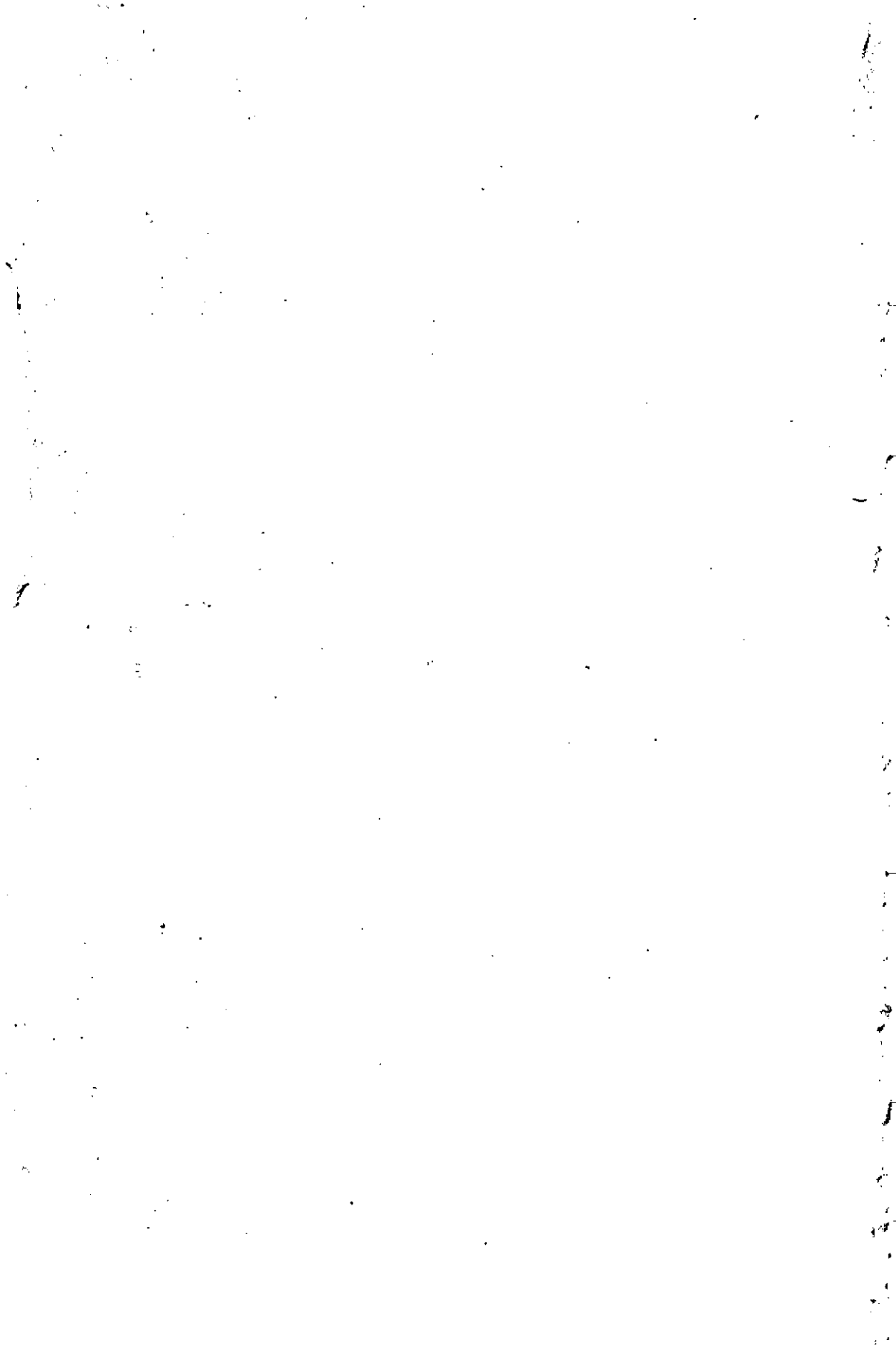
3-Prof.Dr. \ El-Sayed Ismail Ibrahim
Prof. of Organic Chemistry,
Faculty of Science, Suez Canal Univ.

El Sayed... I. Ismail

4- Dr. \ Abu-Zaid Abdel Baset Hassanien
Ass.Prof. of Organic Chemistry,
Faculty of Education El-Arish, Suez Canal Univ.



30.12.2013



Note

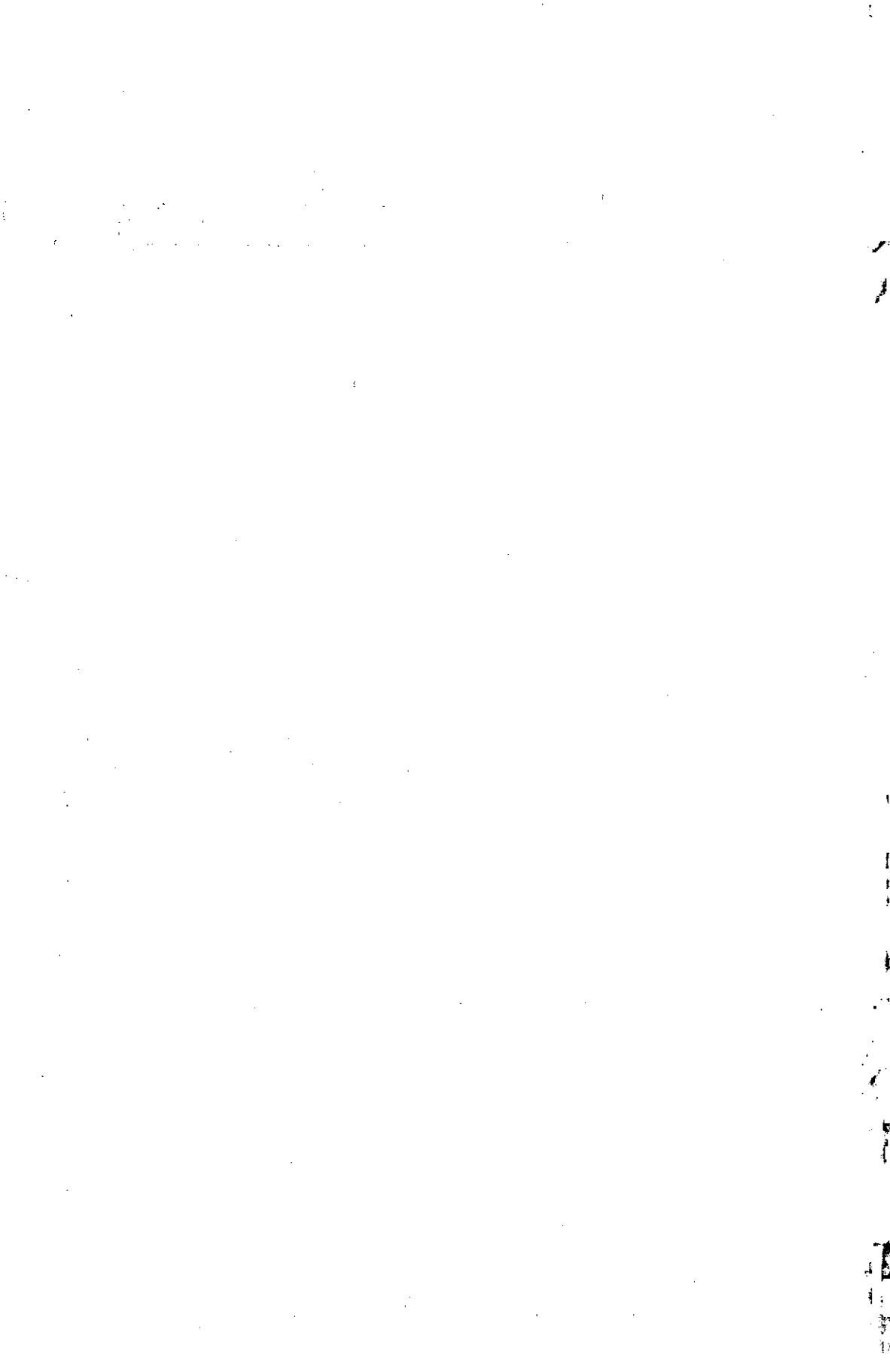
The present thesis is submitted to Suez Canal University in partial fulfillment for the requirements of M.Sc. Degree in Chemistry.

Beside the work carried out in the thesis, the candidate Mohamed El-Sayed Afify, has pursued the following post graduate courses for one year.

- 1-Physical Organic Chemistry.
- 2-Natural Products
- 3-Spectroscopy.
- 4-Advanced Organic Chemistry.
- 5-Reaction Mechanism,
- 6-Heterocyclic Chemistry.
- 7- English Language.

Head of Chemistry Department

Prof.Dr. El-Sayed H. El-Tammny.

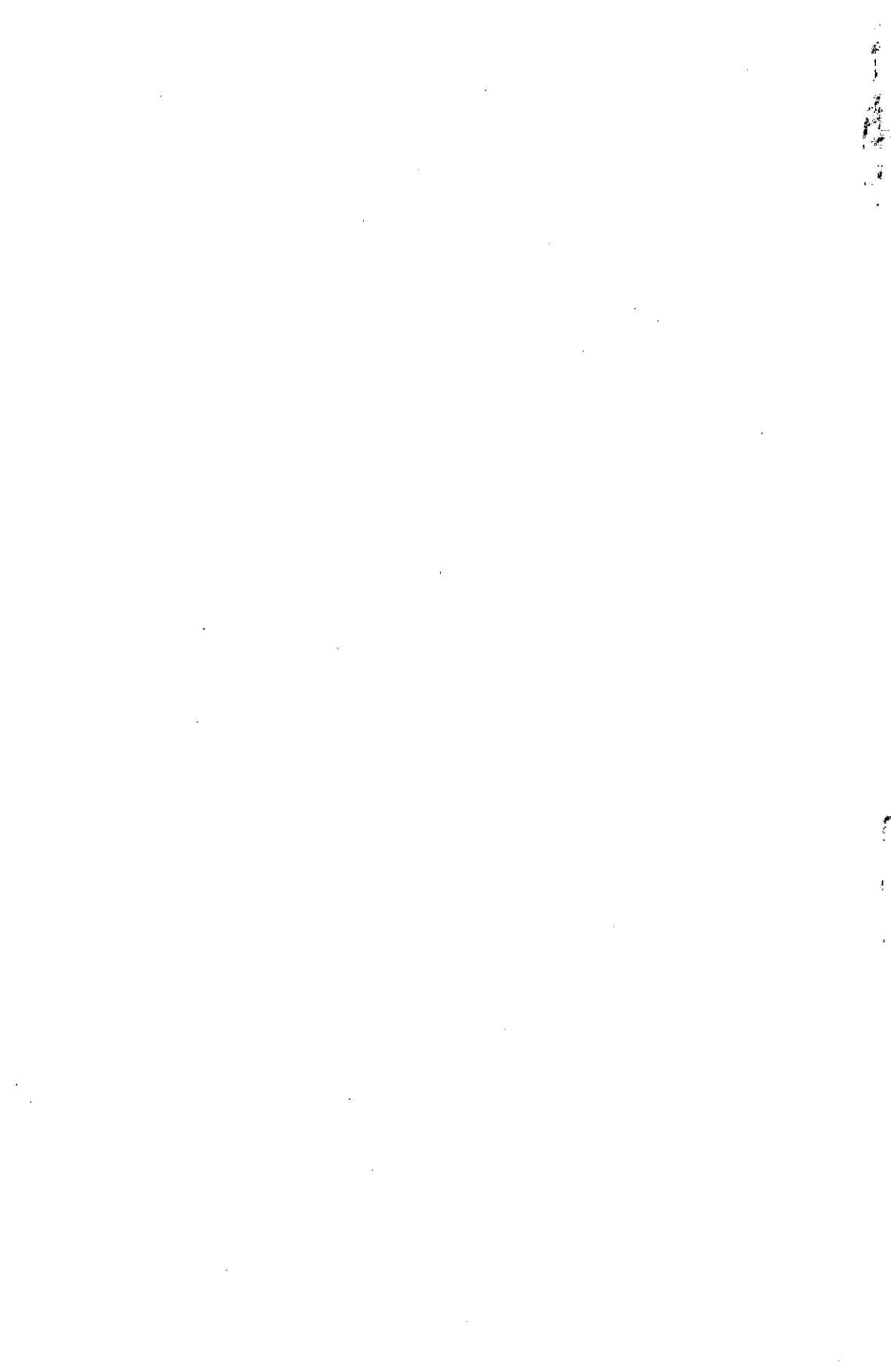


ACKNOWLEDGMENT

I wish to express my heart thanks to *Prof. Dr. E. I. Ibrahim* professor of organic chemistry, Faculty of Science, Suez Canal University for his supervision, suggesting the research project, guidance, encouragement and meticulous care in ensuring that thesis in the presented form.

I am grateful to *Prof. Dr. A. A. Hassanien* Professor A. of organic chemistry, Faculty of Education EL-Arish, Suez Canal University. for his inspiring and valuable guidance, constant encouragement and helpful discussion during the course of this investigation.

MOHAMED EL-SAYED AFIFY



Contents

1-Lists of Figures.-----	I-III
2-Summary. -----	IV-VI
3-Introduction.-----	1- 35
4-Results and Discussion.-----	36-52
5-Figures.-----	53-133
6-Experimental.-----	134-153
7-References.-----	154-166
8- Arabic Summary-----	