



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ  
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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 %



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# بعض الوثائق الأصلية تالفة



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بالرسالة صفحات

لم ترد بالأصل



**Ain Shams University  
Faculty of Engineering**

**A STUDY OF THE GASIFICATION PROCESS  
IN A DOMESTIC STOVE UTILISING  
BIOMASS**

**A THESIS  
BY**

**ASHRAF MAHMOUD ABD EL-MONAIM  
B. Sc. Mechanical Power Engineering**

**Submitted in partial fulfilment of the requirements for the  
degree of M. Sc. In Mechanical Power Engineering**

**SUPERVISED BY**

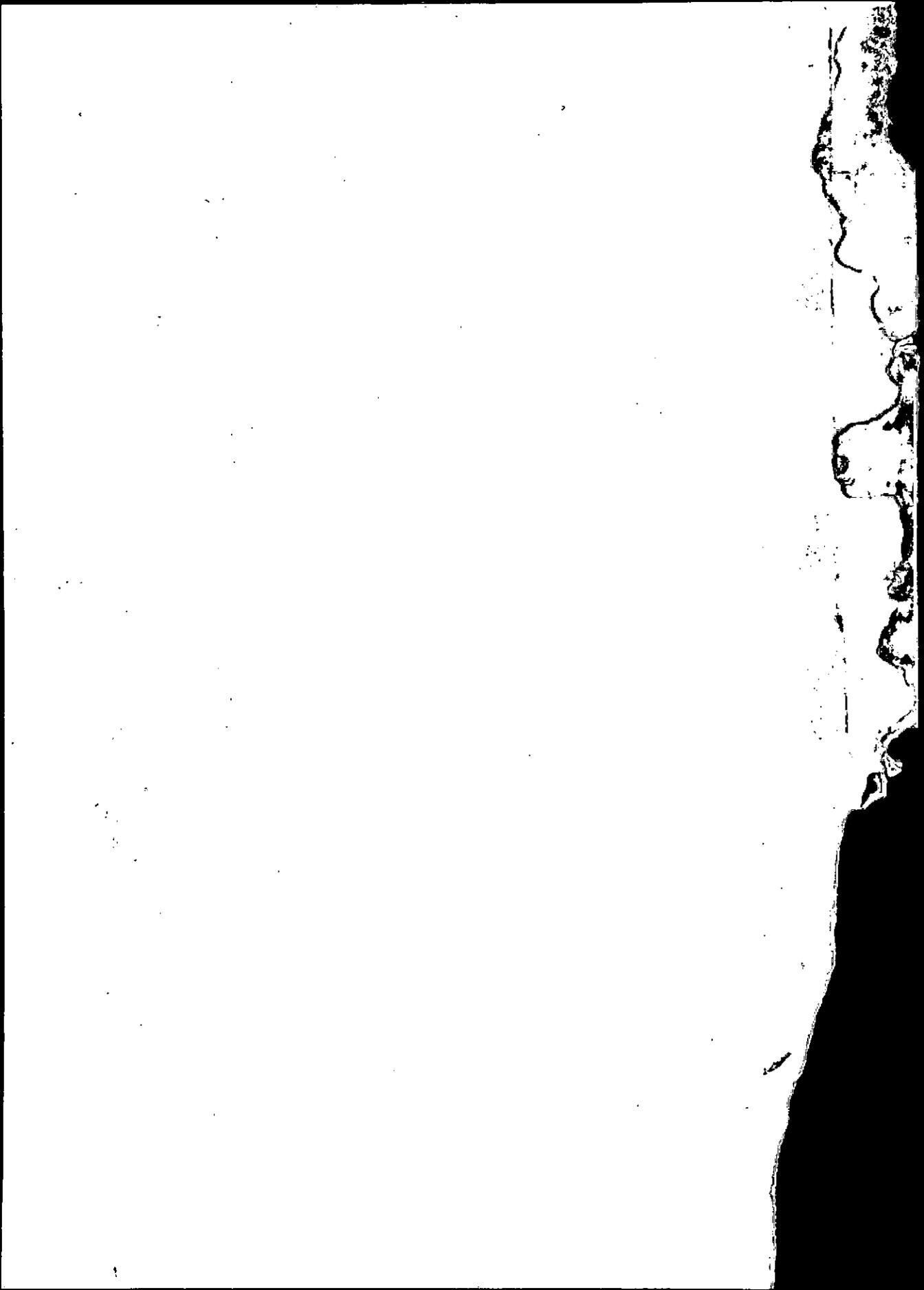
**Prof. Dr. A. S. GAD EL-Mawla  
Ain Shams University**

**Ass. Prof. Dr. M. A. Noseir  
Ain Shams University**

**Dr. F. S. Abd El-Hady  
Ain Shams University**

1996

B-0221





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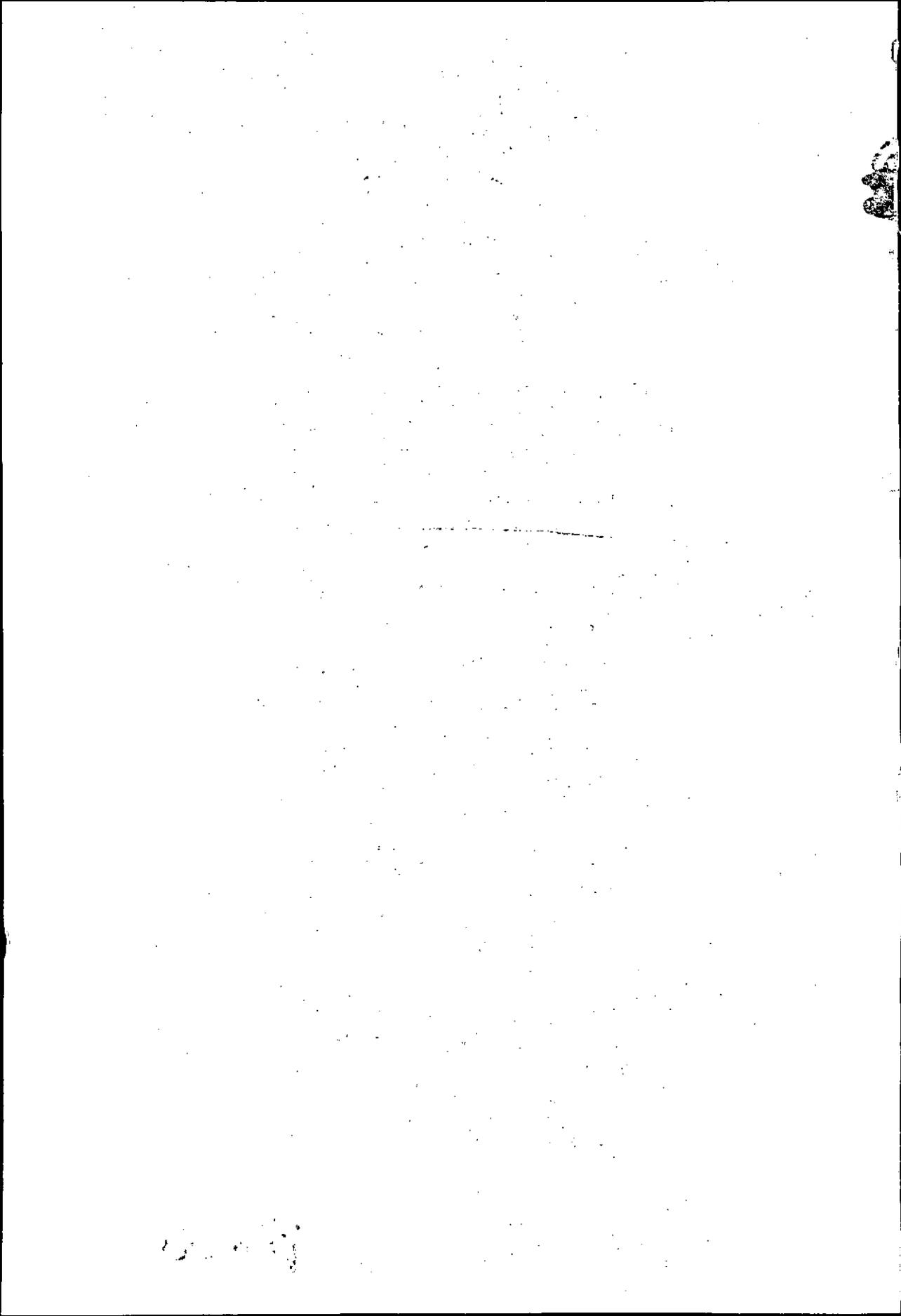
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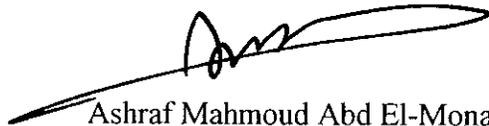
## Statement

This dissertation is submitted in partial fulfilment for the degree of Master of Science in Mechanical Engineering, to Ain Shams University.

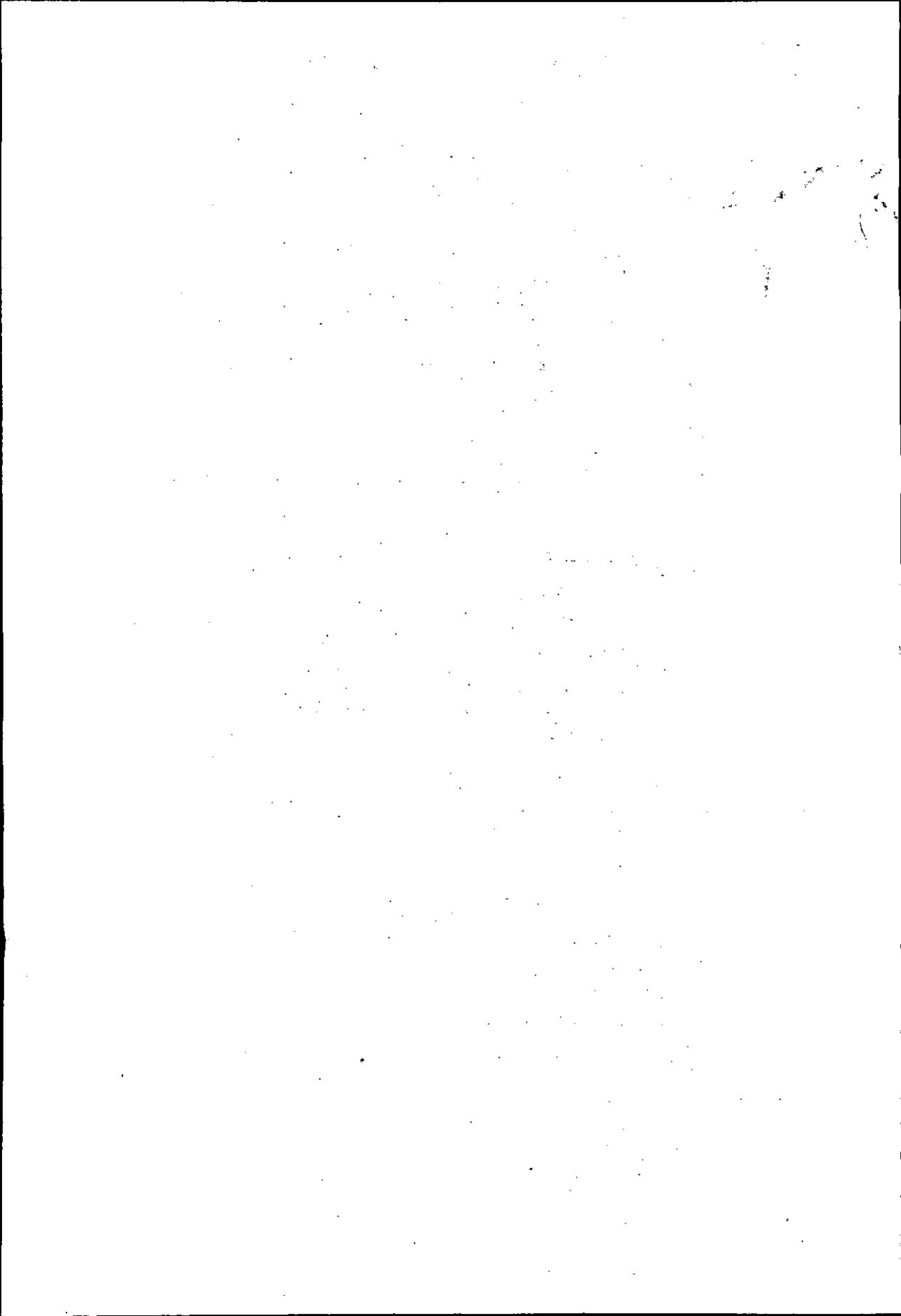
The work included in this thesis was carried out by the author at the laboratories of the department of Mechanical Engineering, Ain Shams University.

No part of this thesis has been submitted for a degree or qualification at any other University.

Signature:



Ashraf Mahmoud Abd El-Monaim



## Examiners committee

The undersigned certify that they have read and recommend to the Faculty of Engineering, Ain Shams University for acceptance a thesis entitled "A Study of the Gasification Process in a Domestic Stove Utilising Biomass", submitted by Ashraf Mahmoud Abd El-Monaim, in partial fulfilment of the requirements for the degree of Master of Science in Mechanical Engineering.

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