بسم الله الرحمن الرحيم

SYNTHESIS OF SOME PYRAZOLDIONE, BARBITURATES AND THIOBARBITURATE DERIVATIVES

By

Muneir Hamed Essa Belal

Post graduate higher diploma in chemistry

A thesis submitted for the requirements of M.Sc. (Chemistry)

Supervisor

Dr. Ahmed Elsadig Mohammed Saeed

Sudan University of Science and Technology

College of Post graduate Studies

Chemistry Department

Dedication

```
Dedicated to:

My mother

The soul of my father

My wife

My son

Mohammed
```

Chapter One

Introduction

Chapter Two

Discussion

Chapter Three

Experimental

References

Appendixes

Conclusion and recommendations