Title

A THESIS

Submitted to Department Name of the College of Science

Jouf University

By

Student Name

Supervisory Committee

DR. Name

DR. Name

In Partial Fulfillment of the Requirements

for the Degree of

MASTER OF SCIENCE

Major Program:

Program Name

Department Name

Month Year

Sakaka, Al Jouf

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Jouf University | | | | |
| College of Science  Department Name | | | | |
|  | | | | |
| **Title** | | | | |
|  | ------------------------- | | |  |
|  | | | | |
|  | **By** | | |  |
|  | ------------ | | |  |
|  |  | | |  |
|  |  | | |  |
|  | The Supervisory Committee certifies that this ***disquisition*** complies with Jouf University’s regulations and meets the accepted standards for the degree of | | |  |
|  | **MASTER of SCIENCE** | | |  |
|  |  | | |  |
|  |  | | |  |
|  | SUPERVISORY COMMITTEE: | | |  |
|  |  | | |  |
|  |  | | |  |
|  | Chair | | |  |
|  |  | | |  |
|  |  | | |  |
|  |  | | |  |
|  |  | | |  |
|  |  | | |  |
|  | Approved: | | |  |
|  |  | | |  |
|  |  |  | Name of Dept. Chair |  |
|  | Date |  | Department Chair |  |
|  |  | |  |  |

ABSTRACT

Abstracts for doctoral dissertations must use 350 words or less. Abstracts for master’s papers or master’s theses must use 150 words or less.

ACKNOWLEDGMENTS

Acknowledgments text should be placed here.

DEDICATION

This section dedicates the disquisition to a few significant people. The text must be double spaced and aligned center to the page.

**TABLE OF CONTENTS**

[ABSTRACT iii](#_Toc85051529)

[ACKNOWLEDGMENTS iv](#_Toc85051530)

[DEDICATION v](#_Toc85051531)

[LIST OF TABLES vii](#_Toc85051532)

[LIST OF FIGURES viii](#_Toc85051533)

[LIST OF ABBREVIATIONS ix](#_Toc85051534)

[LIST OF SYMBOLS x](#_Toc85051535)

[LIST OF APPENDIX TABLES xi](#_Toc85051536)

[LIST OF APPENDIX FIGURES xii](#_Toc85051537)

[1. Chapter 1](#_Toc85051538)

[1.1. First Level Subheading 1](#_Toc85051539)

[1.1.1. Second Level Subheading 1](#_Toc85051540)

[2. Subchapter 3](#_Toc85051541)

[3. Subchapter-2 3](#_Toc85051542)

[REFERENCES 3](#_Toc85051543)

[APPENDIX A. APPENDIX MATERIAL 4](#_Toc85051544)

[APPENDIX B. ADDITIONAL INFORMATION 5](#_Toc85051545)

LIST OF TABLES

Table Page

[1. Title of Table. 1](#_Toc410383854)

LIST OF FIGURES

Figure Page

[1. Title of Figure. (If you use a table, figure, or non-text item that is not your original design, you must cite the original source of the item. You may use an in-text citation in the text of the title or caption of the item, or you may include the citation as a footnote. Refer to the style manual of your discipline for more information about citations of non-text items.) 2](#_Toc410383918)

LIST OF ABBREVIATIONS

Abbreviation Explanation of the Abbreviation.

TM…………………………………………………… .. Transition metal

MRAM………………………………………………… . Magnetic Random Access Memories

FeRAM ……………………………………………...…..Ferroelectric Random Access memories

FIM ………………………………………………..…….Ferrimagnetic

ME………………………………..……………………... Magnetoelectric

BTO……………………………………………………... BaTiOs

LIST OF SYMBOLS

Symbol Explanation of Symbol. If the symbol text runs longer than one line, the subsequent lines are aligned with the first word in the entry.

ɛo …………………………………………………………………….Permittivity o f free space

ɛ' ……………………………………………………………………..Dielectric constant

Ps …………………………………………………………………….Spontaneous Polarization

Tc …………………………………………………………………….Curie temperature

LIST OF APPENDIX TABLES

Table Page

[A1. Title of Appendix Table. 4](#_Toc410385546)

LIST OF APPENDIX FIGURES

Figure Page

[A1. Title of Figure. 4](#_Toc410385597)

1. Chapter

Paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text

* Bulleted list items use the “Bullets” style from the styles pane.
  1. First Level Subheading

Paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text

Table 1. Title of Table.

|  |  |  |  |
| --- | --- | --- | --- |
| Column 1 | Column 2 | Column 3 | Column 4 |
| Row 1 |  |  |  |
| Row 2 |  |  |  |

Table note.

* + 1. Second Level Subheading

Paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text

* + - 1. Third level subheading

Paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text paragraph text

A picture containing sky, outdoor, several

Description automatically generated

Figure 1. Title of Figure. (If you use a table, figure, or non-text item that is not your original design, you must cite the original source of the item. You may use an in-text citation in the text of the title or caption of the item, or you may include the citation as a footnote. Refer to the style manual of your discipline for more information about citations of non-text items.)

Figure Note: This style is used for any notes related to a figure.

1. Subchapter
2. Subchapter-2

REFERENCES

Citation citation citation citation citation citation citation citation citation citation citation citation citation citation citation citation citation citation citation citation citation citation citation

Citation citation citation citation citation citation citation citation citation citation citation citation citation citation

Last Name, First Initial.; Last Name, First Initial. "Title". Journal, Year, Volume (issue), Pages

APPENDIX A. APPENDIX MATERIAL

Please read our appendix format guidelines thoroughly, as they contain specific instructions pertaining to how your appendix material should be presented.

Table A1. Title of Appendix Table.

|  |  |  |  |
| --- | --- | --- | --- |
| Column 1 | Column 2 | Column 3 | Column 4 |
| Row 1 |  |  |  |
| Row 2 |  |  |  |

Table note.

A picture containing grass, sky, outdoor, land

Description automatically generated

Figure A1. Title of Figure.

Figure Note: used for any figure notes.

APPENDIX B. ADDITIONAL INFORMATION

For more information about disquisitions, timelines, deadlines, graduation requirements, and other resources, see the Graduate School and College of Science websites.

For more information about the guidelines for electronic submission of disquisitions, and for downloadable templates of disquisition sections, see the online Format Guidelines at Graduate School and College of Science websites.

For more information about citations, academic honesty, and how to use style manuals, contact the Graduate Center for Writers to make an appointment for a writing consultation. Additional resources are also available on the Graduate School and College of Science website.

For more information about using Microsoft Word and other software applications, contact the Graduate School and College of Science website.