

**THE INVESTIGATION of PHASES AND CONDUCTIVITY  
OF LITHIUM CHROMIUM OXIDE (LiCrO<sub>2</sub>)**

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**Final Year Project Report Submitted in  
Partial Fulfillment of the Requirement for the  
Degree of Bachelor of Science (Hons.) Physics  
In the Faculty of Applied Science  
University of Technology MARA**

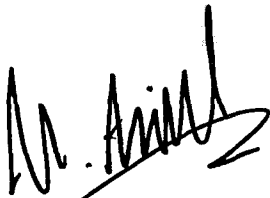
**JANUARY 2012**

## ACKNOWLEDGEMENT

Firstly, I would like to thank Allah for his guidance in the completion of this work. I would like to express my sincere gratitude and thanks to my supervisor, Prof. Dr. Norlida binti Kamarulzaman for guiding and advising me throughout this work. Profuse thanks to her for being patient and understanding. Without her criticism, comments, timely aid and intervention this work may not have materialized.

My sincere gratitude is conveyed to UNIVERSITI TEKNOLOGI MARA (UiTM) for giving me the opportunity and platform throughout my academic studies in Bachelor of Sciences (Hons.) Physics. In addition, I would like to thank the friendly staffs of MAKMAL X-RAY DIFFRACTOMETER (XRD) UiTM, Pn. Juliana Karim for allowed me to do the phase analysis in her lab.

Finally, I wish to express my sincere gratitude to all those, who in one way or another, have assisted me in the preparation of this final year project.



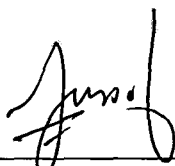
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This Final Year Project Report entitled “**The Investigation of Phases and Conductivity of Lithium Chromium Oxide (LiCrO<sub>2</sub>)**” was submitted by Muhammad Azillah Bin Azman, in partial fulfillment of the requirements for the Degree of Bachelor of Science (Hons.) Physics, in the Faculty of Applied Sciences, and was approved by:



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## ABSTRACT

Lithium Chromium Oxide,  $\text{LiCrO}_2$  being prepared by several synthesizing method. The phases of each material are investigated via X-Ray diffraction method and it was found out that all the material had a single phase, and after it is verified its phases, the conductivity test is carried out. The main objective of this study is to determine which synthesized material has the highest rate of conductivity.

## TABLE OF CONTENTS

	<b>PAGE</b>
<b>ACKNOWLEDGEMENT</b>	ii
<b>TABLE OF CONTENTS</b>	iv
<b>LIST OF TABLES</b>	vi
<b>LIST OF FIGURES</b>	vii
<b>LIST OF ABBREVIATIONS</b>	viii
<b>ABSTRACT and ABSTRAK</b>	ix
<b>CHAPTER 1 INTRODUCTION</b>	
1.1 Background of Study	1
1.2 Problem Statement	2
1.3 Significance of Study	3
1.4 Scope of Study	4
1.5 Objective of Study	4
<b>CHAPTER 2 LITERATURE REVIEW</b>	
2.1 Phase Analysis	5
2.2 X-Ray Diffraction	6
2.3 Diffraction from Crystalline Material	10
2.4 X-Ray Diffraction Instrumentation	11
2.5 Impedence Spectroscopy	12
2.6 Nyquist Plot	14
<b>CHAPTER 3 METHODOLOGY</b>	
3.1 Materials	15
3.2 Method	15
3.4 Purity of LiCrO <sub>2</sub>	15
3.4 Pelletizing	17
3.5 Conductivity Testing	17
<b>CHAPTER 4 RESULT AND DISCUSSION</b>	
4.1 X-Ray Diffraction (XRD) Analysis	20
4.2 Pellet Thickness	22
4.3 Conductivity Result	23
<b>CHAPTER 5 CONCLUSION AND RECOMMENDATION</b>	
5.1 X-Ray Diffraction (XRD)	29
5.2 Conductivity	29
5.3 Recommendation	30