

**THE CONDUCTIVITIES OF  $\text{Al}_{(2-x)}\text{Cr}_x\text{O}_3$  USING  
ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY METHOD**

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**Final Year Project Report Submitted in  
Partial Fulfillment of the Requirement for the  
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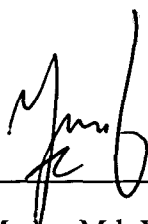
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This Final Year Project Report entitled “**The Conductivities of  $\text{Al}_{(2-x)}\text{Cr}_x\text{O}_3$  Using Electrochemical Impedance Spectroscopy Method**” was submitted by Norshafiza Binti Kelana, in partial fulfillment of the requirements for the Degree of Bachelor of Sciences (Hons.) Physics, in the Faculty of Applied Sciences, and was approved by



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## **ABSTRACT**

Aluminium Oxide was used in this study. The value of x in  $\text{Al}_{(2-x)}\text{Cr}_x\text{O}_3$  has been varies by 0.1, 0.2 and 0.3. After pellets are formed from the materials, the conductivity test was carried out. The main objective of this study is to determine the highest rate of conductivity of different materials.

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