CONTENT

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
</tr>
<tr>
<td>ii</td>
</tr>
<tr>
<td>iii</td>
</tr>
<tr>
<td>iv</td>
</tr>
<tr>
<td>vi</td>
</tr>
<tr>
<td>viii</td>
</tr>
<tr>
<td>ix</td>
</tr>
<tr>
<td>x</td>
</tr>
</tbody>
</table>

CHAPTER I  INTRODUCTION  1

1.1 Background  1
1.2 Problem Identification  6
1.3 The Scope of Study  6
1.4 Problem Formulation  6
1.5 Research Objectives  7
1.6 Benefits of Research  7

CHAPTER II  LITERATURE REVIEW  9

2.1 Theoretical Framework  9
2.1.1 Definitions of Learning  9
2.1.2 Learning Process  9
2.1.3 Learning Outcomes  10
2.1.4 Model of Teaching  16
2.1.5 The Inquiry-Based Learning Model  16
2.1.6 Direct Instruction Learning Model  23
2.2 Subject Materials  25
2.2.1 Ohm’s law and Resistance  25
2.2.2 Simple Circuits  30
2.2.3 Energy and Power of Electricity  35
2.2.4 Electric Circuit of Direct Current  37
2.2.5 Kirchhoff’s Law  38
2.3 Conceptual Framework  38
2.4 Hypothesis  39

CHAPTER III  RESEARCH METHODS  40

3.1 Research Location and Time  40
3.2 Research Population and Sample  40
3.3 Research Variable  40
3.4 Research Type and Design  40
3.4.1 Type of Research  40