

## LIST OF CONTENTS

<b>APPROVAL FORM OF RESEARCH PAPER.....</b>	<b>i</b>
<b>DECLARATION .....</b>	<b>ii</b>
<b>PREFACE .....</b>	<b>ii</b>
<b>ACKNOWLEDGEMENT.....</b>	<b>iii</b>
<b>ABSTRACT .....</b>	<b>vi</b>
<b>LIST OF CONTENTS .....</b>	<b>i</b>
<b>LIST OF TABLES .....</b>	<b>xi</b>
<b>LIST OF FIGURES .....</b>	<b>xiii</b>
<b>LIST OF APPENDICES.....</b>	<b>xiv</b>
<b>CHAPTER I INTRODUCTION .....</b>	<b>1</b>
1.1 Background .....	1
1.2 Research Problem.....	4
1.3 Research Question.....	4
1.4 Limitation of Problem .....	4
1.5 Research Objective.....	4
1.6 Research Benefit .....	5
1.7 Organization Structure if Research Paper .....	5
<b>CHAPTER II LITERATURE REVIEW .....</b>	<b>6</b>
2.1 Project Oriented Problem Based Learning(POPBL) .....	6
2.2 Students' Concept Mastery .....	8
2.3 Students' Creativity .....	10
2.4 Environmental Pollution .....	12
2.5 Relevant Research .....	18
<b>CHAPTER III RESEARCH METHODOLOGY.....</b>	<b>19</b>
3.1 Research Method .....	19
3.2 Research Design .....	19
3.3 Population and Sample .....	19

3.4 Operational Definition .....	20
3.5 Assumption .....	20
3.6 Hypothesis.....	21
3.7 Research Instrument .....	21
3.8 Data Processing .....	34
3.9 Research Procedure .....	39
<b>CHAPTER IV RESULT AND DISCUSSION .....</b>	<b>80</b>
4.1 Results.....	40
4.2 Discussion .....	71
<b>CHAPTER V CONCLUISON AND RECOMMENDATION .....</b>	<b>80</b>
5.1 Conclusion .....	80
5.2 Recommendation .....	81
<b>REFERENCE .....</b>	<b>82</b>
<b>APPENDIX .....</b>	<b>87</b>
<b>AUTOBIOGRAPHY .....</b>	<b>161</b>