

## LIST OF CONTENTS

	Page
Legalization Paper	<i>i</i>
Biography	<i>ii</i>
Abstract	<i>iii</i>
Acknowledgement	<i>iv</i>
List of Contents	<i>vi</i>
List of Figures	<i>ix</i>
List of Tables	<i>x</i>
List of Appendix	<i>xii</i>
<b>CHAPTER I INTRODUCTION</b>	
1.1. Background	1
1.2. Problems Identification	4
1.3. The Scope of Research	4
1.4. The Problem Statement	5
1.5. The objective of Research	5
1.6. The significance of Research	6
1.7. Operational Definition	7
<b>CHAPTER II LITERATURE STUDY</b>	
2.1. Overview Of the Study	9
2.1.1. Understanding of learning	9
2.1.2. Learning Activities	10
2.1.3. The essence of chemical and chemistry learning	11
2.1.4. Learning Outcomes	12
2.1.4.1. Varieties of learning outcomes	13
2.1.5. Conventional model	14
2.1.6. Basic technology education (BTE)	15
2.1.6.1. How to learning activities of students through the BTE ( <i>Basic technology education</i> ) model	16
2.1.6.2. How the students' to learn through the BTE model	17
2.1.7. Science Process Skill (SPS)	21
2.1.8. Ownership of the concepts	25
2.1.9. Chemical representation	27
2.1.10. Technology	29

2.1.11. Vocational high school	29
2.1.12. Entrepreneurial	30
2.1.13. Entrepreneurial motivation	31
2.1.14. Description of study materials	32
2.2. Conceptual Framework	42
2.3. Hypothesis	44
<b>CHAPTER III METHODOLOGY OF RESEARCH</b>	
3.1. Location and time of research	46
3.2. Population and sample of research	46
3.3. Variable of research	46
3.4. Instrument of Research	47
3.5. Design of Research	48
3.6. The instrument Analysis	52
3.7. Technique of data analysis	55
3.7.1. Science process skills (SPS)	55
3.7.2. Ownership of the concepts	58
3.7.2.1. Student Learning Outcomes Data	58
3.7.2.3. Improve Learning Outcomes (gain)	58
3.7.3. Level of mastery or understanding of microscopic, macroscopic and symbolic	59
3.8. Analyzing of Data	60
3.8.1. The Normality of Test.	60
3.8.2. Two Variances Similarity Test (Homogeneous)	61
3.9. Hypotheses Test	61
<b>CHAPTER IV RESULT AND DISCUSSION</b>	
4.1. Result or research	65
4.1.1. Instrument of data analysis	
4.1.1.1. The Validity of the test	65
4.1.1.2. The Reliability test	66
4.1.1.3. The Difficulty level of Instrument	66
4.1.1.4. The Discrimination Index of Instrument	66
4.1.2. The description of data	66
4.1.2.1. Ownership of the concepts	66
4.1.2.2. Percentages of ownership of the concepts	68
4.1.2.3. Chemical representation	69
4.1.2.4. Science process skills	71

4.1.3. Description of data analysis	72
4.1.3.1. The Normality of Test	72
4.1.3.2. The Homogeneity of Test	73
4.1.4. Testing of hypothesis	74
4.1.5. Entrepreneurship Aspect	75
4.1.5.1. Behavior assessment	75
4.1.5.2. Product assessment	76
4.1.5.3. Eentreprenurship Yen	76
4.2. Inventions of research	76
4.3. Discussion	77
<b>CHAPTER V CONCLUSION AND SUGGESTION</b>	
5.1. Conclusions	87
5.2. Suggestions	88
<b>REFERENCES</b>	<b>89</b>
<b>APPENDIX</b>	<b>92</b>