

TABLE OF CONTENT

	Page
Approval sheet	<i>i</i>
Biography	<i>ii</i>
Abstract	<i>ii</i>
Preface	<i>iv</i>
Table of Content	<i>vi</i>
Table List	<i>viii</i>
Figure List	<i>ix</i>
Appendix List	<i>x</i>
CHAPTER I INTRODUCTION	1
1.1. Research Background	1
1.2. Problem Identification	5
1.3. Problem Limitation	5
1.4. Problem Formulation	6
1.5. Research Objectives	6
1.6. Research Benefit	6
1.7. Operational Definition	7
CHAPTER II LITERATURE REVIEW	8
2.1. Theoretical Framework	8
2.1.1. Definition of Learning	8
2.1.2. Learning Activity	10
2.1.3. Inquiry Model	11
2.1.3.1 The learning Theory to Underlies Inquiry Learning	12
2.1.3.2 Principles of Using The Inquiry Learning	13
2.1.3.3 Difficulties in the Implementation of Inquiry Learning	14
2.1.3.4 Advantages and Disadvantages of Inquiry Learning	15
2.1.3.5 Scientific Inquiry Learning Model	15
2.1.3.6 Syntax of Inquiry Training	17
2.1.4. Conventional Learning	18
2.1.5. Science Process Skills	20
2.2. Subject Matter	22
2.2.1. Definition of Elasticity	22
2.2.2. Hooke's Law	24
2.2.3. Hooke's Law in Series and Parallel Circuit	25
2.2.4. Elasticity's Application in Daily Life	26
2.3. Scientific Inquiry Journal	26
2.4. Conceptual Framework	28
2.5. Hypothesis of Research	29

CHAPTER III RESEARCH METHOD	30
3.1. Location and Time Research	30
3.2. Population and Sample Research	30
3.2.1. Population of Research	30
3.2.2. Sample of Research	30
3.3. Research Variable	30
3.4. Type and Research Design	31
3.4.1. Type of Research	31
3.4.2. Design of Research	31
3.5. Research Procedure	32
3.6. Research Instrument	34
3.6.1. Instrument of Science Process Skills	34
3.7. Data Analysis Techniques	34
3.7.1. Determine Average Value	34
3.7.2. Determine The Standard Deviation	34
3.7.3. Normality Test	35
3.7.4. Homogeneity Test	35
3.7.5. Hypothesis Test	36
3.8.5.1 Hypothesis test Two-tail	36
3.8.5.2 Hypothesis Test One-tail	37
CHAPTER IV RESULT AND DESCUSSION	38
4.1. The Description of Research Result	38
4.1.1. The Score of Student's Science Process Skills	38
4.1.2. The Student's Science Process Skill in Learning Process	41
4.2. The Analysis of Data	43
4.2.1. The Data Analysis of Pre-Test Result	43
4.2.1.1 Normality Test	43
4.2.1.2 Homogeneity Test	43
4.2.2. The Data Analysis of Post-Test Result	44
4.2.2.1 Normality Test	44
4.2.2.2 Homogeneity Test	45
4.2.3. The Similarity of Initial Ability Test	46
4.2.4. Hypothesis Test	46
4.3. Discussion	47
4.3.1. The Effect of Scientific Inquiry Learning Model on Student's Science Process Skills	47
4.3.2. The student's activity based on science process skills indicator during the learning process using the scientific inquiry learning model	51
CHAPTER V CONCLUSIONS AND SUGGESTIONS	55
5.1. Conclusion	55
5.2. Suggestion	56
BIBLIOGRAPHY	57