

## LIST OF CONTENT

	<b>Page</b>
Ratification Sheet	<i>i</i>
Biography	<i>ii</i>
Abstract	<i>iii</i>
Preface	<i>iv</i>
List of Content	<i>vi</i>
List of Figure	<i>ix</i>
List of Table	<i>x</i>
List of Appendix	<i>xi</i>
<b>CHAPTER I INTRODUCTION</b>	
1.1 Background	1
1.2 Identification of Problems	6
1.3 Limitation Problem	6
1.4 Problems Statement	7
1.5 Research Objectives	7
1.6 Research Benefits	7
1.7 Definition Operational	8
<b>CHAPTER II LITERATURE REVIEW</b>	
2.1. Theoretical Framework	9
2.1.1 Learning Definitions	9
2.1.2 Learning Activity	10
2.1.3 Learning Achievement	11
2.1.4 Learning Model	13
2.2 Problem Based Learning Model	14
2.2.1 Definition and Characteristic PBL	14
2.2.2 Problem Based Learning Goals	16
2.2.3 Syntax PBL model	17
2.2.4 Advantages and Disadvantages of PBL	17

2.3	Subject Matter (Linear Motion)	18
2.3.1	Magnitudes in Linear Motion	18
2.3.1.1	Position, Distance and Displacement	18
2.3.1.2	Average Velocity and Instantaneous Velocity	20
2.3.2	Uniform Motion in Constant Velocity	21
2.3.3	Uniform Motion in Constant acceleration	22
2.4	Problem-Based Learning Journal	25
2.5	Conceptual Framework	29
2.6	Research Hypothesis	30

### **CHAPTER III RESEARCH METHODOLOGY**

3.1	Location and Time Research	31
3.1.1	Research Location	31
3.1.2	Research Time	31
3.2	Population and Sample Research	31
3.2.1	Research Population	31
3.2.2	Research Sample	31
3.3	Research Variable	31
3.4	Method and Research Design	32
3.4.1	Method	32
3.4.2	Research Design	32
3.5	Research procedure	32
3.6	Research Instrument	35
3.6.1	Instrument of Students Learning Outcomes Cognitive Domain	35
3.6.2	Content Validity	36
3.7	Data Analysis Techniques	36
3.7.1	Determine Average Value	36
3.7.2	Determine Standard Deviation	37
3.7.3	Determine the Homogeneity Test	37
3.7.4	Normality Test	37

3.7.5 Hypothesis Test	38
3.7.5.1 Pre-test- Ability Test(two Tail Test)	38
3.7.5.2 Post Test Ability Test	40

#### **CHAPTER IV RESULT OF RESEARCH AND DISCUSSION**

4.1 Result of Research	42
4.1.1 The Result of Questionnaire for the Learning Principle Permendikbud No. 65 Year 2013	43
4.1.2 The result of Questionnaire for the Conformity Learning Activity with Lesson Plan in Accordance with Permendikbud No. 65 Year 2013	44
4.1.3 The result of Questionnaire for the Setting an Evaluation Process in Accordance with Permendikbud No. 81 Year 2013	46
4.1.4 Students Learning Outcomes in Cognitive Domain	47
4.1.4.1 Pretest Data in Experimental and Control Class	47
4.1.4.2 Posttest Data in Experimental and Control Class	47
4.1.5 Data Analysis Test	47
4.1.5.1 Average Value, Standard Deviation and Variant	48
4.1.5.2 Normality Test	48
4.1.5.3 Homogeneity Test	48
4.1.5.4 Hypothesis Test	49
4.1.5.4.1 Hypothesis Test for Pretest Ability	49
4.1.5.4.2 Hypothesis Test for Post-Test Ability	50
4.1.6 Student's Learning Outcomes in Affective Domain	50
4.1.7 Student's Learning Outcomes in Psychomotor Domain	50
4.2 Discussion	51

#### **CHAPTER V CONCLUSION AND SUGGESTION**

5.1. Conclusion	57
5.2 Suggestion	57

<b>REFERENCES</b>	<b>58</b>
-------------------	-----------