

TABLE OF CONTENT

APPROVAL SHEET	i
PAGE OF ORIGINALITY STATEMENT	iv
APPROVAL PAGE FOR PUBLICATION OF FINAL PROJECT FOR ACADEMIC PURPOSES.....	v
BIOGRAPHY.....	vi
PREFACE	vii
TABLE OF CONTENT	x
TABLE OF FIGURE	xii
TABLE OF TABLE	xiii
TABLE OF APPENDIX	xiv
ABSTRACT	xvi
CHAPTER I	1
INTRODUCTION	1
1.1. Background of Problem	1
1.2. Identification of Problems	3
1.3. Scope of Study	3
1.4. Scope of Problem	3
1.5. Formulation of Problem.....	4
1.6. Purposes of Research.....	4
1.7. Benefits of Research	4
CHAPTER II	6
LITERATURE REVIEW	6
2.1. Learning Model	6
2.2. Problem Based Learning (PBL) Models.....	8
2.3. Problem Solving Ability	12
2.4. Momentum and Impulse	14
2.4.1. Momentum.....	14
2.4.2. Impulse.....	15
2.4.3. Law of Conservation of Momentum	16

2.4.4. Collision.....	17
2.5. Relevant Research	19
2.6. Thinking Framework	21
2.7. Hypothesis.....	23
CHAPTER III	24
RESEARCH METHODOLOGY	24
3.1. Location and Time of Research	24
3.2. Types of Research.....	24
3.3. Population and Sample.....	24
3.4. Research Variable	24
3.5. Operational Definition	25
3.6. Research Design.....	25
3.7. Data Collection Technique	26
3.8. Research Instruments.....	26
3.9. Research Procedure.....	30
3.10. Data Analysis	31
3.11. Research Schedule	36
CHAPTER IV	37
RESEARCH RESULTS AND DISCUSSION.....	37
4.1. Research Result	37
4.2. Hypothesis Test.....	42
4.3. Analysis of Student Learning Activities Using the Problem Based Learning (PBL) Model	43
4.4. Discussion.....	42
CHAPTER V.....	48
CONCLUSIONS AND RECOMMENDATIONS.....	48
5.1. Conclusions	48
5.2. Recommendations	48
REFERENCES	49
APPENDIX	52