CONTENT

Legir	nitation		i		
Biogr	raphy		ii		
Abstr	act		iii		
Preface					
Conte	ent		vi		
Figur	e List		ix		
Table	List		\boldsymbol{x}		
Appe	ndix Lis	st	xi		
Chap	ter I In	troduction	1		
1.1	Backg	ground	1		
1.2	Proble	em Identification	5		
1.3	Proble	em Limitation	5		
1.4	Proble	em Formulation	5		
1.5	Resea	Research Objectives			
1.6	6 Research Benefit				
Chap	ter II L	iterature Review	7		
2.1	Definition of Learning and Learning Outcome				
	2.1.1	Definition of Learning	7		
	2.1.2	Definition of Learning Outcome	8		
2.2	Cooperative Learning Model Type Group Investigation				
	2.2.1	Model of Learning Definition	10		
	2.2.2	Definition Of Cooperative Learning	10		
	2.2.3	Group Investigation (GI)	12		
2.3	Conve	Conventional Learning			
2.4	Subject Matter				
	2.4.1	Motion is relative	15		
	2.4.2	Distance and Displacement	15		

	2.4.3	Speed and Velocity	17	
		2.4.3.1 Average Speed and Average Velocity	17	
		2.4.3.2 Instantaneous Speed and Velocity	18	
	2.4.4	Acceleration and Deceleration	20	
		2.4.4.1 Acceleration	20	
	2.4.5	Uniform Motion With Constant Velocity and Acceleration	21	
		2.5.4.1 Uniform Motion With Constant Velocity	21	
		2.5.4.2 Uniform Motion With Constant Acceleration	23	
2.5	Group	Investigation Journal	31	
2.6	The D	The Difference with Another Research Before		
2.7	Conce	ptual Framework	35	
2.8	Hypot	hesis of Research	36	
Chapt	ter III I	Research Methodology	37	
3.1	Resear	rch Location	37	
3.2	Popula	ation and Sample Research	37	
	3.2.1	Population of Research	37	
	3.2.2	Sample of Research	37	
3.3	Research Variable			
	3.3.1	Independent Variable	37	
	3.3.2	Dependent Variable	37	
3.4	Type a	and Research Design	37	
	3.4.1	Type of Research	37	
	3.4.2	Design of Research	37	
3.5	Research Instrument			
	3.5.1	Instrument of Student Learning Outcome at		
	Experi	iment Class	38	
		3.5.1.1 Instrument of Cognitive Domain	38	
		3.5.1.2 Instrument of Affective Domain	40	
		3.5.1.3 Instrument of Psychomotor Domain	42	
	3.5.2	Validity Test	44	

3.6	Resea	Lesearch Procedure		
3.7	Data Analysis Techniques			
	3.7.1	Determine Average Value	46	
	3.7.2	Determine the Standard Deviation	46	
	3.7.3	Normality Test	46	
	3.7.4	Homogenity Test	47	
	3.7.5	Hypothesis Test	47	
Chap	ter IV I	Research Result and Discussion	49	
4.1.	Resea	rch Result	49	
	4.1.1.	Pretest Score of Student in Experiment and Control Class	46	
	4.1.2.	Data Analysis of Pretest	51	
		4.1.2.1 Normality Test of Pretest Data	51	
		4.1.2.2 Homogeneity Test of Pretest	51	
		4.1.2.3 Hypothesis Test of Pretest	52	
	4.1.3.	Post test Score of Student in Experiment and Control Class	53	
	4.1.4	Data Analysis of Post Test	54	
		4.1.4.1 Normality Test of Post Test	54	
		4.1.4.2 Homogeneity test of Post Test	54	
		4.1.4.3 Hypothesis test of Post Test	55	
	4.1.5	Observation	55	
4.2.	Discus	ssion	58	
Chap	ter V C	onclusion and Suggestion	60	
5.1.	Concl	usion	60	
5.2.	Sugge	estion	60	
Refer	References			