

## CONTENT

<b>Legalization sheet</b>	<b>i</b>
<b>Abstract</b>	<b>ii</b>
<b>Biography</b>	<b>iii</b>
<b>Acknowledgement</b>	<b>iv</b>
<b>Content</b>	<b>vi</b>
<b>Tables</b>	<b>viii</b>
<b>Figures</b>	<b>ix</b>
<b>appendix</b>	<b>x</b>
<b>CHAPTER I INTRODUCTION</b>	<b>1</b>
1.1. Background	1
1.2. Identification of Problem	4
1.3. Scope of Problem	5
1.4. Formulation of The Problem	5
1.5. Purpose of Research	6
1.6. Benefit of Research	6
<b>CHAPTER II THEORITICAL REVIEW</b>	<b>7</b>
2.1. Review of Evaluation of Learning Outcome	7
2.1.1. Definition of Evaluation	7
2.1.2. Function Evaluation of Learning Outcome	8
2.1.3. Objective Assessment of Learning Outcome	10
2.1.4. Principle of Learning Evaluation Result	11
2.1.5. Assessment Procedure	12
2.1.6. Characteristics of Evaluation of Outcome	13
2.1.7. Key Steps Evaluating Learning Outcome	13
2.1.8. Learning Result Evaluation Techniques	15
2.2. Review of Measurement of Learning Outcome	17
2.2.1. Definition of Test	17
2.2.2. Function of Learning Result Test	17
2.2.3. Type of Tests	18
2.3. Quality of Analysis Item Problem	24
2.3.1. Definition of Analysis Item	24
2.3.2. Technique of Analysis Item	25
2.3.3. Program Computer for Analysis Item	29
2.4. Relevant Research	30
2.5. Frame Thinking	31
<b>CHAPTER III RESEARCH METDHOLOGY</b>	<b>35</b>
3.1. Research Time and Location	35

3.2.	Population and Sample of Research	35
3.3.	Research Design	35
3.4.	Research Variable	36
3.5.	Data Sources	36
3.6.	Data Collecting Technique	36
3.7.	The Operational Definition of Research variable	37
3.8.	Research Procedure	38
3.9.	Data analysis Technique	40
<b>CHAPTER IV RESEARCH RESULT AND DISCUSSION</b>		<b>53</b>
4.1	Data Description	53
4.1.1	Spesification writing question	53
4.1.2	Chemistry Odd Semester Examination of Class XI SMA Negeri 1 Berastagi Academic Year 2017/2018	53
4.1.3	Student Work Sheet	54
4.1.4	Material Analysis, Construction, and Language	54
4.1.5	Distribution Analysis of Cognitive Domain Level	55
4.1.6	Quantitative Analysis	57
4.1.6.1	Validity Analysis	57
4.1.6.2	Reliability Analysis	60
4.1.6.3	Difficulty Level Analysis	61
4.1.6.4	Distinguish Power Analysis	62
4.1.6.5	Analysis Of The Effectiveness Of Distractor	64
4.1.7	Results of Test Interviews	65
4.2	Discussion	66
4.2.1	Material Analysis, Construction, and Language	66
4.2.2	Distribution Analysis of Cognitive Domain Levels	69
4.2.3	Quantitative Analysis	71
4.2.3.1	Validity Analysis	71
4.2.3.2	Reliability Analysis	72
4.2.3.3	Difficulty Level Analysis	72
4.2.3.4	Distinguish Power Analysis	73
4.2.3.5	Effectiveness of Distractor Analysis	74
4.2.4	Results of Test Interviews	75
<b>CHAPTER V CONCLUSION AND SUGGESTION</b>		<b>76</b>
5.1	Conclusions	76
5.2	Suggestions	78
	Reference	79
	Appendix	82