

Table of List

	Page
Approval sheet	i
Biography	ii
Abstract	iii
Preface	iv
Content List	v
Table List	vii
Figure List	viii
Appendix List	ix
CHAPTER I: INTRODUCTION	1
1.1 Problem Background	1
1.2 Problem Identification	3
1.3 Problem Scoping	3
1.4 Research Question	4
1.5 Research Objectives	4
1.6 Research Significant	4
CHAPTER II: LITERATURE REVIEW	5
2.1 Concept of Knowledge	5
2.2 Knowledge Measurement	5
2.2.1 Cognitive Aspect Measurement	6
2.2.2 Affective Aspect Measurement	6
2.2.3 Psychomotoric Aspect Measurement	7
2.3 Concept of Attitudes	7
2.3.1 Attitudes Measuring	8
2.4 Concept of Biotechnology	9
2.4.1 Definition of Biotechnology	9
2.5 Biotechnology Conventional	10
2.5.1 Biotechnology Conventional Products	11
2.6 Biotechnology Modern	13
2.6.1 Mutation Breeding	13
2.6.2 Tissue Culture	14
2.6.3 Genetic Engineering	15
2.7 The Issues of Biotechnology	16
2.8 Ethical of Biotechnology	17
CHAPTER III: RESEARCH METHOD	18
3.1 Locations and Times	18
3.2 Population and Sampling	18
3.2.1 Population	18
3.2.1 Sample	18
3.3 Research Design	18
3.4 Research Procedure	19
3.5 Research Instrument	19

3.5.1 Multiple Choice Diagnostic Test	19
3.5.2 Validity Test	20
3.5.3 Reliability Test	21
3.5.4 Difficulty Level Test	22
3.5.5 Different Power Test (Discrimination Index)	23
3.6 Data Analysis Technique	34
3.6.1 Knowledge Test Analysis Technique	34
3.6.2 Questionnaire Analysis Technique	25
CHAPTER IV: RESULT OF RESEARCH AND DISCUSSION	28
4.1 Description of Research Data	28
4.2 Description of Result	28
4.2.1 Result of Analysis Student Knowledge	28
4.2.2 Result of Analysis Students Attitudes	29
4.3 Discussion of Research Result	33
4.3.1 Students Knowledge toward Biotechnology	32
4.3.2 Students Attitudes toward Biotechnology	33
CHAPTER V: CONCLUSION AND SUGGESTION	
5.1 Conclusion	35
5.2 Suggestion	35
REFERENCES	36