

## TABLE OF CONTENT

	Page
Approval sheet	i
Biography	ii
Abstract	iii
Acnowledgement	iv
Table of Content	v
List of Table	vii
List of Figure	viii
List of Appendix	ix
<b>CHAPTER I INTRODUCTION</b>	
1.1. Research Background	1
1.2. Problem Identification	3
1.3. Research Scope	3
1.4. Research Question	4
1.5. Research Aim	4
1.6. Research Significance	4
<b>CHAPTER II LITERATURE REVIEW</b>	
2.1. Theoretical Framework	5
2.1.1. Concept, Conception, Preconception, Misconception	5
2.1.1.1. Concept	5
2.1.1.2. Conception	6
2.1.1.3. Pre-Conception	6
2.1.1.4. Misconceptions	8
2.1.2. The Source and Cause of Misconception	8
2.1.2.1. Student	10
2.1.2.2. Teacher	11
2.1.2.3. Textbooks, Context and Teaching Method	11
2.1.3. Detecting Misconceptions	12
2.1.3.1. Concept Map	12
2.1.3.2. Multiple Choice Test With Open Reasoning, Essay Test, and Interview	13
2.1.3.3. Class Discussions and Practicum With Question and Answer.	13
2.1.4. Confront and Overcome Misconception	14
2.2. Concept Review	15
2.2.1. Chemical Components of Cells	15
2.2.2. History and Theory of Invention Cells	16
2.2.3. Types of Cells	18
2.2.4. The structure and function of the cell	19
2.2.5. Transport Through the Cell Membrane	26
2.2.6. Relavant Research	31
2.3. Conceptual Framework	32
<b>CHAPTER III RESEARCH METHODOLOGY</b>	
3.1. Research Time and Location	34

3.2. Population and Sample	34
3.2.1. Population	34
3.2.2. Sample	34
3.3. Design of Research	34
3.4. Research Procedure	34
3.5. Research Instrument	36
3.6. Data Collection Technique	37
3.7. Data Analysis Technique	39

#### **CHAPTER IV RESULT AND DISCUSSION**

4.1. Result	40
4.1.1. Result of Students' Misconception of Each Sub-Concept	40
4.1.2. Result Of Factors That Causes The Students Misconceptions	40
4.1.3. Result Of Identification Of The Which The Dominant Learning Resources	42
4.2. Discussions	44

#### **CHAPTER V CONCLUSION AND RECOMMENDATION**

5.1. Conclusion	51
5.2. Recommendation	51

<b>REFERENCES</b>	52
-------------------	----