

TABLE OF CONTENTS

COVER	i
TITLE PAGE	ii
ENDORSEMENT PAGE	iii
DECLARATION OF AUTHENTICITY.....	iv
ACKNOWLEDGMENT	iii
TABLE OF CONTENTS.....	vii
LIST OF FIGURES	x
LIST OF TABLES	xi
LIST OF APPENDICES	xii
ABSTRACT	xiii
INTISARI	xiv
CHAPTER I.....	1
1.1 Background	1
1.2 Research Question.....	4
1.3 Research Objectives	4
1.4 Advantages of the Study	5
CHAPTER II.....	6
2.1 Banana.....	6
2.2 Sweet Potato.....	12
2.3 Thermal Processing.....	15
2.4 Physical Characteristics	17
2.5 Carbohydrates	18
2.6 Starch	19

2.7 Sugar	21
2.7.1 Fructose	21
2.7.2 Glucose.....	22
2.7.3 Sucrose	22
2.7.4 Maltose.....	23
2.8 Amylase	24
2.9 Hypothesis.....	26
CHAPTER III	27
3.1 Materials and Tools of Research.....	27
3.2 Time and Places of Research	28
3.3 Research Procedures	28
3.3.1 Sample Preparation	29
3.3.2 Steaming Procedures.....	30
3.3.3 Firmness Analysis	31
3.3.4 Colour Analysis.....	31
3.3.5 Freeze-drying Procedures.....	32
3.3.6 Separation of Alcohol-Insoluble Solids	34
3.3.7 Starch Content Analysis.....	37
3.3.8 Sugar Content Analysis.....	40
3.3.9 Statistical Analysis	41
CHAPTER IV.....	42
4.1 Firmness	43
4.2 Color.....	45
4.3 Starch Content.....	49
4.4 Sugar Content.....	51

4.5 Conclusion	56
4.6 Future Work	57
REFERENCES.....	58
APPENDICES	73