

TABEL OF CONTENT

ABSTRACT	iv
STATEMENT SHEET	vi
DECLARATION	vii
ACKNOWLEDGMENT	ix
TABEL OF CONTENT	xi
LIST OF FIGURES	xii
LIST OF TABLES	xiii
LIST OF APPENDIX	xiii
CHAPTER I INTRODUCTION	1
1.1 Background of Research.....	1
1.2 Statement of the Problem	2
1.3 Objective of Research	3
1.4 Benefits of Research.....	3
1.5 Authenticity and Formers Research.....	4
CHAPTER II LITERATURE REVIEW	7
2.1 Yoghurt	7
2.2 <i>Streptococcus thermophilus</i> and <i>Lactobacillus bulgaricus</i>	8
2.3 Sweet Corn (SC).....	11
2.4 Organoleptic Properties.....	14
2.5 Theoretical Framework	14
2.6 Conceptual Framework	15
2.7 Research Hypothesis	15
CHAPTER III RESEARCH METHODS	17
3.1 Location and Time of Research	17
3.2 Research Tools and Materials	17
3.3 Operational Definition	17

3.4 Design of Experiments	18
3.5 Research Procedure.....	20
3.6 Data Analysis.....	24
CHAPTER IV RESULTS AND DISCUSSION	25
4.1 The Effect of Sweet Corn Extract on pH of Yoghurt.....	25
4.2 The Effect of Sweet corn extract Substitution on Total Lactic Acid Bacteria of Yoghurt	26
4.3 The Effect of Sweet Corn Extract on Organoleptic Quality of Yoghurt	28
4.4 Islamic Contributions.....	31
CHAPTER V CLOSING.....	35
REFERENCE.....	37
APPENDIX.....	43

LIST OF FIGURES

Figure 2.1 Theoretical framework	14
Figure 2.2 Conceptual framework	15
Figure 3.1 Experimental design scheme of yoghurt production.....	19
Figure 3.2 Sweet corn extract production	20
Figure 3.3 Experiments implementation phase flow chart	21

LIST OF TABLES

Table 1.1 Authenticity and formers research	4
Table 2.1 Yoghurt quality requirements	8
Table 2.2 Nutritional content of sweet corn per 100 grams of ingredients	12
Table 3.1 Yoghurt substituted formulation.....	17
Table 3.2 Appearance test of taste.....	19
Table 3.3 Appearance test of aroma	23
Table 3.4 Appearance test of colour.....	23
Table 3.5 Appearance test of textures	23
Table 3.6 Appearance test of viscosity.....	24
Table 4.1 Results of pH analysis of yoghurt.....	25
Table 4.2 Results in of total actic acid bacteria analysis of yoghurt.....	27
Table 4.3 Kruskal Wallis test results for organoleptic quality	28

LIST OF APPENDIX

Appendix 1. Panelist approval sheet.....	43
Appendix 2. Organoleptic test sheet	44
Appendix 3. Organoleptic test results	45
Appendix 4. Data recapitulation of statistical test results.....	46
Appendix 5. Data Recapitulation of Statistical Test Results	49
Appendix 6. Research Activity	54