UNIVERSITI TEKNOLOGI MARA

TECHNICAL REPORT

AN ANALYTIC HIERARCHY PROCESS (AHP) METHOD TO SELECT FAST-FOOD RESTAURANT AMONG UNIVERSITY STUDENTS (P26S23)

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TABLE OF CONTENT

ACKN	OWLEDGEMENTS	iv
TABL	E OF CONTENT	v
LIST (OF TABLES	vii
LIST (OF FIGURES	vii
ABST	RACT	viii
СНАР	TER 1	1
INTRO	DDUCTION	1
1.1	Introduction	1
1.2	Problem Statement	3
1.3	Objectives	4
1.4	Significant and Benefit of Study	4
1.5	Scope and Limitation of Study	5
1.6	Definition of Terms and Abbreviations	5
СНАР	TER 2	7
BACK	GROUND THEORY AND LITERATURE REVIEW	7
2.1	Background Theory	7
2.2	Literature Review/ Related Research	7
СНАР	TER 3	14
METH	ODOLOGY AND IMPLEMENTATION	14
3.1	Process of Collecting Data	14
3.2	Methodology	16
3.3	Implementation	21
СНАР	TER 4	38
RESIII	LTS AND DISCUSSION	38

4.1	Demographic of Respondents	38
4.2	Weightage and Alternative of Criteria	40
4.3	Weightage and Percentage of Alternative	41
4.4	Comparisons Criteria and Alternative by Gender	43
4.5	Comparisons Criteria and Alternative by Residential Status	45
4.6	Comparisons Criteria and Alternative by Transportation Status	47
CHAPTER 5		49
CONC	LUSIONS AND RECOMMENDATIONS	49
5.1	Conclusion.	49
5.2	Recommendation	49
REFERENCES		50
APPENDICES		53

ABSTRACT

Fast food is defined as food that can be fast provided and prepared in a standard way. In Malaysia, fast-food restaurants are become more popular among undergraduates. Due it is convenient, they frequently select fast food than Malaysian traditional meals to filling their tummies as well as save money and time. This study is to determine the relation of selection criterion while choosing a fast-food restaurant using the Analytic Hierarchy Process (AHP) method. The decision criteria identified in this study are price, location, convenient, service, environment and operation time. Other than that, this project also aims to compare the rating of fast-food restaurant among university students in Seremban using AHP method. Last objective is to analyze the most preferable fast-food restaurant in Seremban which are Kentucky Fried Chicken (KFC), Pizza Hut, McDonald (McD), Domino's, Subway and Marrybrown with respect to demographic items by using AHP method. There are a few steps in order to achieve the objectives which are construct the questionnaire, distribute the questionnaire, collecting the data, analyze data using AHP method which is create a matrix of paired comparisons for the criteria, proceed with find the normalized matrix, determine the weightage, test the consistency and calculate the weightage of alternative, and make a result and discussion. The result for the most important criteria is price which is 0.2302 while the most preferable fast-food restaurant is MarryBrown with 0.1897. The best way to make an improvement is enlarge the study.