

CONTENTS

COVER THESIS	i
COVER SHEET	ii
STATEMENT OF ORIGINALITY	iii
THESIS SUPERVISOR APPROVAL SHEET	iv
THESIS VALIDATION SHEET	v
PREFACE	vi
APPROVAL SHEET OF THESIS PUBLICATION	viii
SUMMARY	ix
ABSTRACT	xi
CONTENTS	xii
LIST OF TABLES	xiv
LIST OF FIGURES	xv
LIST OF APPENDIXES	xvi
LIST OF ABBREVIATION AND TERMINOLOGY	xvii
CHAPTER 1 INTRODUCTION	1
1.1 Background	1
1.2 Research Question	3
1.3 Research Objectives	4
CHAPTER 2 METHOD	5
2.1 Protocol and Registration	5
2.2 Eligibility Criteria	7
2.3 Information Sources	8
2.4 Study Selection	10
2.5 Data Collection Process	12
2.6 Data Items	13
2.7 Risk of Bias in Individual Studies	14
2.8 Summary Measures	15
2.9 Synthesis of Results	15
2.10 Risk of Cross-Study Bias	16
2.11 Additional Analysis	17
CHAPTER 3 RESULTS	18
3.1 Risk of Bias and Study Quality	18
3.2 Study Characteristics	23
3.3 Characteristics of Respondents	28
3.4 Study Results	30
3.5 Type of Intervention	42
3.5.1 Goal Setting Oriented.....	42
3.5.2 Family-oriented Self-management.....	43
3.5.3 Self-management Exercise Program	45
3.5.4 Acceptance and Commitment	46
3.5.5 Local Cultural Adaptations	47
3.5.6 MyDIDeA with Diet Planning Module.....	49
3.5.7 Self-Management Education by Peers	50
3.5.8 Self-management based on Health Belief Model.....	51

3.5.9	Pictorial Diary Handbook Program (PDHB)	53
3.5.10	PRISMA Training Program	55
3.5.11	Diabetes Self-Management by Phone	56
3.6	Module Preparation	62
3.6.1	Study of Literature	64
3.6.2	Expert Discussions	65
3.6.3	Systematic Modul Writing	67
CHAPTER 4 DISCUSSION.....		78
4.1	Goal Setting Oriented	78
4.2	Family-oriented Self-management	83
4.3	Self-management Exercise Program	87
4.4	Acceptance and Commitment Therapy	92
4.4	Limitation	99
CHAPTER 5 CONCLUSIONS.....		100
5.1	Conclusion.....	100
5.2	Conflict of interest.....	101
REFERENCES.....		102

LIST OF TABLES

Table 3.1 Results of the Literature Search for Systematic Review.....18

Table 3.2 Study Assessment Results for Systematic Review using
The JBI Critical Appraisal Tools for Quasi-
Experimental Design Research.....19

Table 3.3 Study Assessment Results for Systematic Review using
The JBI Critical Appraisal Tools for RCT design
research.....19

Table 3.4 Study Assessment Results for Systematic Review using
The JBI Critical Appraisal Tools for Cross-Sectional
Research Study Design.....21

Table 3.5 Study Assessment Results for Systematic Review using
Mixed Methods Appraisal Tool (MMAT)21

Table 3.6 Self-Management Delivery Methods31

Table 3.7 Schedule of the Diabetes PDHB Program53

Table 3.8 Education Information Sheet59

Table 3.9 Results of Expert Discussions for Module.....66

Table 3.10 Module Implementation Guideline70

LIST OF APPENDIXES

Appendix 1 JBI Critical Appraisal Checklist for Randomized Controlled Trials	20
Appendix 2 JBI Critical Appraisal Checklist for Quasi-Experimental Studies	21
Appendix 3 JBI Critical Appraisal Checklist for Analytical Cross Sectional Studies	22
Appendix 4 JBI Critical Appraisal Checklist for Analytical Cross Sectional Studies	23

LIST OF ABBREVIATIONS AND TERMINOLOGY

BMI	Body Mass Index
DPB	Diastolic Blood Pressure
DM	Diabetes mellitus
DKAB	Diabetes Knowledge and Behavior
DSOC	Dietary Stages of Change
DSMRS	Diabetes Self-Management Record Sheet
FBG	Fasting Blood Glucose
HbA1c	Hemoglobin A1c
HDL	High Density Lipoprotein
HRQOL	Health Related Quality of Life
IDF	International Diabetes Federation
iSMS	Interactive self-management support
JBI	Joanna Briggs Institute
LDL	Low Density Lipoprotein
myDIDeA	Malaysian Dietary Intervention for People with Type 2 Diabetes
PRISM	Proactive Interdisciplinary Self-Management
PRISMA	Preferred Reporting Items for Systematic reviews and Meta-Analyzes
PICO	Problem Intervention Compare Outcome
RISKESDAS	Basic Health Research
SBP	Systolic Blood Pressure
WHO	World Health Organization
WHR	Waist to Hip Ratio