#### UNIVERSITI TEKNOLOGI MARA

# THE PREVELANCE OF FEMALE ATHLETE TRIAD AMONG INTERVARISTY TEAM SPORT ATHLETES

## By

## SAIDATUL NUR FATIHAH BT MOHAMED SABADRI

Research Project Report submitted in partial fulfillment of the requirements for the Degree of Bachelor of Sport Science (Hons.)

**Faculty of Sport Science and Recreation** 

January 2016

#### DECLARATION

#### BACHELOR OF SPORT SCIENCE

#### FACULTY OF SPORT SCIENCE AND RECREATION

#### UNIVERSITI TEKNOLOGI MARA

I, Saidatul Nur Fatihah Bt Mohamed Sabadri (I/C Number: 931226-06-5006))
Hereby declare that:

This work has not previously been accepted in substances of any degree, locally or overseas and is not being concurrently submitted for any other degrees.

This project paper is the result of my independent work and investigation, except where otherwise stated, I absolve Universiti Teknologi Mara (UiTM) and Faculty of Sport Science and Recreation from any blames as result of my work

All verbatim extracts have been distinguishes by quotations marks and sources of my information have been specifically acknowledged.

Signature

Tallyan

UiTM ID

: 2013307081

Date

: 26.1.2016

viii

**ABSTRACT** 

This cross sectional study conducted to determine the relationship between risk of

female athlete triad and selected team sport during intervarsity sport competition. A

total of 170 female athlete which consist of netball (n=32), softball (n=29), futsal

(n=55) and handball (n=52) completed LEAF questionnaire. Pearson Chi Square

were used to determine the association of female athlete triad risk with selected team

sport. A significant association observed between risks of female athlete triad with

selected team sport (X<sup>2</sup>=32.61, df=3, p<0.001). Therefore the athlete who involve in

intervarsity sport competition had risk of having female athlete triad symptoms

Keywords: Female Athlete Triad, Intervarsity Athlete, Team Sport.

### TABLE OF CONTENTS

			Page
ACKNOWLED	<b>GEMEN</b> 1	rs	i
TABLE OF CO	ONTENTS		ii
DECLARATIO	ON		v
LIST OF TABI	LES		vi
LIST OF FIGU	RES		vii
LIST OF ABBI	REVIATIO	ONS	viii
ABSTRACT		*	ix
CHAPTER			
1	INTRODUCTION		1
	1.1 1.2 1.3 1.4 1.5	Background of the study Objectives Hypothesis Problem statement Definition term Significant of study	1 4 4 4 5 6
2	LITI	ERATURE REVIEW	8
	2.1 2.2 2.3	History of female athlete triad New spectrum of female athlete triad 2.2.1 Energy availability 2.2.2 Menstrual function 2.2.3 Bone mass density Sport and female athlete triad 2.3.1 Individual sport 2.3.2 Team sport	7 7 8 10 11 12 13
3	MET	THODOLOGY	15
	3.1 3.2 3.3	Study design Subject selection Instrumentation	15 15 15

	3.4	Research design	16
	3.5	Statistical analysis	18
4	RESULTS		19
	4.1	Subject demographic	19
	4.2	Team's sport athlete percentage	20
	4.3	Risk of female athlete triad	21
	4.4	Risk of female athlete triad according to sport	21
	4.5	Analysis type of team sport and female athlete triad	22
	4.6	Analysis body mass index and female athlete triad	22
5	DISCUSSION		23
6	CON	CLUSIONS	28
REFERENCES			29
APPENDICES			31