UNIVERSITI TEKNOLOGI MARA

COMPARISON BETWEEN CROSSFIT TRAINING AND TABATA TRAINING EFFECT ON LUNG CAPACITY

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BACHELOR OF SPORT SCIENCE

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DECLARATION OF ORIGINAL WORK

BACHELOR OF SPORT SCIENCE AND RECREATION

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ABSTRACT

The purpose of this study is to compare the effect of lung capacity between CrossFit

training and Tabata training. The lung capacity parameters that are measured are

Force Vital Capacity (FVC), Force Expiratory Flow (FEF), Peak Expiratory Flow

(PEF) and Force Expiratory Volume 25% - 75% (FEV 25% - 75%). 20 subject from

UMP Footballer were divided by two group which is 10 subject for Crossfit training

and 10 subjects for Tabata training. All subjects were testing using spirometer

before and after 6-week training intervention. The result and data collected were

analysed by using Statistical Package for Social Science (SPSS) version 19.0. The

lung capacity testing result was analysed using Paired T test. The result shows there

is no significance difference of FVC, FEF, PEF and FEV 25% - 75% between

CrossFit training and Tabata training. The p-value for FVC, FEF, PEF and FEV

25% - 75% is greater than 0.05.

Keyword: Lung Capacity, Tabata Training, Crossfit Training, Spirometer

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TABLE OF CONTENT

			PAC	GES	
ACKNOWLEDGEMENT					
TABLE OF CONTENT					
DECLARATION					
LIST OF TABLE					
LIST OF FIGURE					
LETTER OF TRANSMITTAL					
AFFIRMATION					
ABSTRACT					
CHAPTER					
1	INTE	RODUCTION			
	1.1	Background of study		1	
	1.2	Statement of the problem		3	
	1.3	Research objective		5	
	1.4	Significance of the Study		5	
	1.5	Hypothesis		6	
	1.6	Operational terms		6	
	1.7	Limitation		8	

	1.8	Delimitation	8				
2	LITI	LITERATURE REVIEW					
	2.1	Introduction	9				
	2.2	Crossfit Training	9				
	2.3	Tabata Training	11				
	2.4	Lung capacity and exercise	13				
	2.5	Factor influence lung function	14				
3	MET	METHODOLOGY					
	3.1	Introduction	16				
	3.2	Research Design	16				
	3.3	Statistical Analysis	17				
	3.4	3.4 Population and Sampling					
	3.5	Data Collection Procedure					
	3.6	Instrumentation					
		3.6.1 Physical Activity Readiness –	20				
		Questionnaire (PAR-Q)					
		3.6.2 Pony FX Spirometer	20				
	3.7	Testing Procedure	21				