UNIVERSITI TEKNOLOGI MARA

THE RELATIONSHIP BETWEEN HAND GRIP STRENGTH TOWARDS NETBALL SHOOTING AND PASSING ACCURACY AMONG AMATEUR NETBALL PLAYERS

MUHAMMAD HAZIQ BIN HAIRULBAHRI

Thesis submitted in partial fulfillment of the requirements for the degree of **Bachelor of Sports Science (Hons)**

Faculty of Sports Science and Recreation

January 2019

ABSTRACT

Hand grip strength test has been shown to be the indicator for grip strength for an athlete in their sports performance. Scoring and passing is the most important indicator for netball team to success and winning the games. The purpose of this study was to identify the relationship between hand grip strength on netball shooting and passing accuracy among amateur netball players. A total of 30 subjects (N = 30) from 17 years old to 19 years old (M=17.53, SD=0.51) of amateur netball players were chosen via purposive sampling to participate in this study. The hand grip strength test dynamometer was chosen to test the hand grip strength. The study was using ex post facto design to conduct this study. Hand grip strength test, shooting accuracy test and passing accuracy test have been conducted to measure the correlation between the variables. Using the Pearson correlation, the results showed that there has a relationship between hand grip strength on netball shooting and passing accuracy among amateur netball players. Hand grip strength and netball shooting accuracy showed have significant moderate positive correlation (R²= .328, r= .573, p= .008), while hand grip strength and netball passing showed strong positive correlation (R²= .681, r= .825, p= .000). The result shows that hand grip strength and shooting accuracy have a moderate relationship and hand grip strength and passing accuracy show a strong relationship among amateur netball players.

Keywords: Amateur, Hand grip strength, Passing accuracy, Shooting accuracy, Netball,

TABLE OF CONTENT

		Page
DEC	CLARATION	I
LETTER OF TRANSMITTAL		II
AFF	TIRMATION	Ш
ACF	KNOWLEDGEMENT	IV
ABS	TRACT	\mathbf{V}
TAB	BLE OF CONTENT	VI
LIST	Γ OF TABLES	IX
LIST	Γ OF FIGURES	X
LIST	Γ OF GRAPHS	XI
CIL	A PUTED ONE INTRODUCTION	
	APTER ONE: INTRODUCTION	1
1.1	Research Background	1
1.2	Problem Statement	3
1.3	Research Objective	4
1.4	Research Hypothesis	4
1.5	Significance of Study	5
	1.5.1 Student	5
	1.5.2 Teacher	5
	1.5.3 Ministry of Youth and Sports	5
1.6	Delimitations of the Study	6
1.7	Limitations of the Study	6
1.8	Operational Definition of Terms	6
	1.8.1 Hand Grip Strength	6
	1.8.2 Muscular Strength	7
	1.8.3 Shooting Accuracy	7

CHA	APTER TWO: LITERATURE REVIEW	8
2.1	Introduction	8
2.2	Demographic Profile	9
2.3	Hand Grip Strength and Sport Performance	12
	2.3.1 Hand Grip Strength and Distance	16
2.4	Hand Grip Strength and Accuracy	17
2.5	Summary	19
CHA	APTER THREE: RESEARCH METHODOLOGY	20
3.1	Introduction	20
3.2	Flow Chart	21
3.3	Research Design	22
3.4	Sampling Technique	22
3.5	Data Collection Procedure	23
3.6	Instrumentation	30
	3.6.1 Hand Grip Strength Tools	30
	3.6.2 Marker	31
	3.6.3 Stopwatch	31
3.7	Data Analysis	32
CHA	APTER FOUR: RESULTS	33
4.1	Introducion	33
4.2	Demographic Data	34
4.3	Test and Retest	35
4.4	Proving Hypothesis	37
	4.4.1 Pearson Correlation Statistics	37
4.5	Passing Accuracy	38
	4.5.1 Hypotheses One	38
4.6	Shooting Accuracy	40
	4.6.1 Hypotheses Two	40

CHAPTER FIVE: DISCUSSION, CONCLUSION, RECOMMENDATION		
5.1	Introduction	42
5.2	Hand Grip Strength and Passing Accuracy	43
5.3	Hand Grip Strength and Shooting Accuracy	45
5.4	Netball and Demographic Profile	47
5.5	Conclusion	48
5.6	Recommendation	49
REFE	REFERENCES	
APPE	APPENDICES	