

TABLE OF CONTENTS

	Page
ABSTRACT	
ACKNOWLEDGEMENTS	
TABLE OF CONTENTS	i
LIST OF TABLES	iv
LIST OF FIGURES	v
LIST OF ABBREVIATIONS	vi
 Chapter	
1. INTRODUCTION	1
1.1. Speed Jump Test	4
1.2. Statement of Problem	7
1.3. Significance of the Study	8
1.4. Research Questions	8
1.5. Limitations	9
1.6. Delimitations	11
2. REVIEW OF LITERATURE	12
2.1. SSC and Repetitive Speed Jump	12
2.2. Characteristics of SSC Activities	14
2.2.1. SSC and Sprint Running Performances	17
2.2.2. SSC and Jumping Performances	17

2.3.	Power	18
2.3.1.	Power Assessment	20
2.3.2.	Vertical Jump Test	21
2.4.	Speed and Speed Assessment	25
2.5	Reactive Strength and Reactive Strength Assessment	26
3.	METHODOLOGY	28
3.1.	Experimental Design	28
3.2.	Subjects	29
3.3.	Testing Procedures	31
3.3.1.	Maximal Countermovement Vertical Jump Test	31
3.3.2.	Speed Jump Test	32
3.3.3.	40-meter Dash Test	38
3.3.4.	Countermovement Drop Jump Test	39
3.3.5.	Bounce Drop Jump Test	41
3.4.	Statistical Analysis	42
4.	RESULTS	43
4.1.	Descriptive Data	43
4.2.	Reliability Analysis	50
4.3.	Pearson's Product Moment Coefficient of Correlations	51
5.	DISCUSSIONS	57
5.1.	Discussions	57
5.1.1.	Test-retest Reliability	57
5.1.2.	Validity	58

5.1.3.	Discriminant Analysis	67
5.1.4.	Practical Applications	67
5.2.	Summary	68
5.3	Conclusions	70
5.4	Recommendations	71

REFERENCES