# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABSTRACT</td>
<td></td>
</tr>
<tr>
<td>ACKNOWLEDGEMENTS</td>
<td></td>
</tr>
<tr>
<td>TABLE OF CONTENTS</td>
<td>i</td>
</tr>
<tr>
<td>LIST OF TABLES</td>
<td>iv</td>
</tr>
<tr>
<td>LIST OF FIGURES</td>
<td>v</td>
</tr>
<tr>
<td>LIST OF ABBREVIATIONS</td>
<td>vi</td>
</tr>
</tbody>
</table>

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

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