TABLE OF CONTENT

ABSTRACT i

ABSTRAK iii

ACKNOWLEDGEMENT v

TABLE OF CONTENTS vi

LIST OF TABLES x

CHAPTER 1 INTRODUCTION 1
  1.1 Purpose of the Study 4
  1.2 Statement of the Problem 5
  1.3 Research Questions 6
  1.4 Operational Definitions 6
  1.5 Significance of Study 7
  1.6 Limitations 8

CHAPTER 2 REVIEW OF RELATED LITERATURE 10
  2.0 Introduction 10
  2.1 Aspects of Assessment 11
  2.2 Group-projects and Cooperative Learning 12
    2.2.1 The Cooperative Learning Methods 12
    2.2.2 The Understanding of Group Behaviour 14
    2.2.3 Problems in Grading Group Performances and Individual Efforts 15
2.3 Alternative Assessment in Cooperative Learning or Group-work 16
2.4 Peer Assessment in the Context of Group Projects 18
  2.4.1 Research Literature on the Positive Effects of Peer Assessment in Group-work 18
  2.4.2 Research Literatures on the Reservation on Peer Assessment 20
2.5 Methods of Rewarding Individual Efforts in Group Projects 21
  2.5.1 Pool of Mark 22
  2.5.2 Two-part of Weighting Factor 22
  2.5.3 Equally Shared Mark with Exceptional Teacher Intervention 24
  2.5.4 Separation of Process and Product 25
2.6 Conclusion 26

CHAPTER 3 METHODOLOGY 27
3.0 Introduction 27
3.1 The Sample 27
3.2 Description of Instrument 28
3.3 Procedure 30
  3.3.1 Implementation of Assessment Structure 31
  3.3.2 Evaluations and Perceptions of Student Toward Peer Assessment 32
  3.3.3 Interviews 33
3.4 Data Collection 33
3.5 Pilot Study 33

CHAPTER 4 RESULTS AND INTERPRETATION 36
4.0 Introduction 36
4.1 Identification of a Way to Discriminate Between of the Contribution Individual Student within a Group Project 39
  4.1.1 Across-group Peer Assessment on the Oral Presentation 39

vii
4.1.2 Within Group Peer Assessment  
- Process Assessment 40

4.1.3 The Comparison of the Overall Scores of the Student 42

4.2 Evaluation on the Peer Assessment 44

4.2.1 Evaluation on the Presentation 45

4.2.2 Evaluation of the Peer Assessment on Group-work 48

4.2.3 Evaluation on the New Assessment System as a Whole 53

4.3 Interviews 59

4.3.1 General Aspects of the Assessment 59

4.3.2 Specific Areas of Peer Assessment 61

4.3.3 Suggestions for Improvement 69

CHAPTER 5 SUMMARY AND CONCLUSION 71

5.0 Introduction 71

5.1 Summary and Discussion of the Findings 72

5.1.1 Across-group Peer Assessment on Presentation 73

5.1.2 Within-group Peer Assessment  
- Process Assessment 73

5.1.3 The Comparison of the Overall Scores of Students with and without Component of Peer Assessment 73

5.1.4 Evaluation on the Use of Peer Assessment in Oral Presentation (Across-group Assessment) 74

5.1.5 Evaluation on the Use of Peer Assessment in Group-work (Within-group Assessment) 75

5.1.6 Evaluation on the New Assessment System 75

5.2 Implications of the study 76

5.3 Recommendations for Further Research 79

5.4 Conclusion 80

REFERENCES 83
## APPENDICES

<table>
<thead>
<tr>
<th>Appendix</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appendix 1a</td>
<td>Peer Assessment Form on Process Assessment</td>
<td>87</td>
</tr>
<tr>
<td>Appendix 1b</td>
<td>Peer Assessment Form on Oral Presentation</td>
<td>88</td>
</tr>
<tr>
<td>Appendix 2</td>
<td>Relative Assessment Weighting</td>
<td>89</td>
</tr>
<tr>
<td>Appendix 3a</td>
<td>Questionnaire 1: Students' Evaluation of the Peer Assessment of Oral Presentation</td>
<td>90</td>
</tr>
<tr>
<td>Appendix 3b</td>
<td>Questionnaire 2: Students' Evaluation of the Peer Assessment of Contribution of the Peer Assessment of Contribution to Group-work</td>
<td>91</td>
</tr>
<tr>
<td>Appendix 3c</td>
<td>Questionnaire 3: Students' Evaluation of the New Assessment Method</td>
<td>92</td>
</tr>
<tr>
<td>Appendix 4</td>
<td>A Mathematics Group Project on Statistics</td>
<td>93</td>
</tr>
<tr>
<td>Table</td>
<td>Description</td>
<td>Page</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>4.1a</td>
<td>Comparison between Students’ and Teachers’ Rating for Group Presentation</td>
<td>39</td>
</tr>
<tr>
<td>4.1b</td>
<td>Peer Assessment on the Individual Marks on the Process of the Project</td>
<td>41</td>
</tr>
<tr>
<td>4.1c</td>
<td>Comparison of the Overall Scores by Each Student</td>
<td>43</td>
</tr>
<tr>
<td>4.2a</td>
<td>Evaluation on Presentation</td>
<td>45</td>
</tr>
<tr>
<td>4.2b</td>
<td>Evaluation on Group-work</td>
<td>49</td>
</tr>
<tr>
<td>4.2c</td>
<td>Evaluation on the New Assessment System</td>
<td>53</td>
</tr>
<tr>
<td>4.3a</td>
<td>Summary of Peer Assessment in Oral Presentation and Group-work</td>
<td>57</td>
</tr>
<tr>
<td>4.3b</td>
<td>Perceptions of Students on the New Assessment System</td>
<td>58</td>
</tr>
<tr>
<td>4.5</td>
<td>Suggestions of the Relative Weighting</td>
<td>65</td>
</tr>
</tbody>
</table>