Abstract

Acknowledgments

Table of contents

List of figures

List of tables

List of Appendices

Table of contents

Chapter one - Introduction

Statement of the problem

Purpose of the study

Testing the tests

Testing the children

Justification of the study

Objective of the study

Limitations of the study

Definition of key terms

Chapter two - Literature review

Defining the causes of dyslexia

Turn of the century

The psychological period

Orton's mark in a neurological theory
The language processing theory period 15
Current research trends in language processing deficits 16
Current research trends in supporting biophysical causes of dyslexia 17
Assessment of dyslexia 18
Visual motor integration testing for reading ability or disability 19
Reading assessment and intelligence assessment 21
Mental ability testing using the Raven’s Colored Progressive Matrices 28

Chapter three - Methodology 32
Selection of the school and students of the study 32
Description of the testing instruments 33
Ujian Saringan Bacaan Bahasa Malaysia (USBBM) 33
Ujian Diagnostik Bacaan Bahasa Malaysia & mental ability testing 35
Qualitative data study 38
Administration of the screening and assessment program 38
Stage one - field test of the USBBM 38
Teacher briefing session 39
USBBM field test 39
Test administration 40
Scoring of the tests 41
Stage two - pilot test of the USBBM
  Briefing session  42
  Test administration  42
  Scoring of the tests  43

Stage three - pilot test of the UDBBM and administration
  of the Raven’s CPM  43
  Mental ability testing  43
  Scoring of the mental ability tests
    - the Raven’s CPM  44
  Briefing for CPM test administrators  44
  Administration of the diagnostic reading test
    - the UDBBM  45
  Scoring of the diagnostic reading test
    - the UDBBM  45
  Collection of qualitative data  47

Chapter 4 - Results of the study  48
  Stage one - field test of the USBBM  48
  Stage two - the pilot test of the USBBM with
    the case study school  49
  Stage three - pilot test of the UDBBM and the Raven’s CPM  52
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selecting the screened candidates for the UDBBM</td>
<td>52</td>
</tr>
<tr>
<td>Results of the mental ability testing</td>
<td>54</td>
</tr>
<tr>
<td>Results of the UDBBM</td>
<td>57</td>
</tr>
<tr>
<td>Results from the qualitative data forms</td>
<td>64</td>
</tr>
<tr>
<td>Case summaries</td>
<td>65</td>
</tr>
<tr>
<td>Chapter 5 - Discussion</td>
<td>69</td>
</tr>
<tr>
<td>References</td>
<td>74</td>
</tr>
<tr>
<td>Bibliography</td>
<td>78</td>
</tr>
<tr>
<td>Appendices</td>
<td>80</td>
</tr>
</tbody>
</table>