

Table of Contents

| | Page Number |
|---|-------------|
| Title Page | i |
| Approval Page | ii |
| Assertion | iii |
| Acknowledgement | iv |
| Table of Contents | v |
| List of Tables | viii |
| List of Figures | ix |
| Abstract | x |
| Chapter I Introduction | 1 |
| a. Background | 1 |
| b. Problem Formulation | 4 |
| c. Research Authenticity | 4 |
| d. Research Aim | 7 |
| e. Research Benefits | 7 |
| Chapter II Literature Review | 8 |
| a. Stroke | 8 |
| b. Ischemic Stroke | 9 |
| c. Hemorrhagic Stroke | 11 |
| d. Barthel Index | 12 |
| e. Barthel Index Score Interpretation | 16 |
| f. Conceptual Framework | 17 |
| g. Theoretical Framework | 18 |
| h. Hypothesis | 19 |

| | |
|---|----|
| Chapter III Research Methodology | 20 |
| a. Research Design | 20 |
| b. Subject and Population | 20 |
| c. Sample Size Calculation: | 21 |
| d. Sample and Data Collection | 22 |
| e. Variable and Operational Variable Definition ... | 22 |
| f. Operational variabel definition..... | 22 |
| g. Data Analysis | 24 |
| h. Ethical Clearance | 24 |
| Chapter IV Result and Discussion..... | 25 |
| 1. Subject Characteristics | 25 |
| 1.1Sex | 26 |
| 1.2Age | 27 |
| 1.3Type of Stroke | 28 |
| 1.4Initial Barthel Index Score | 29 |
| 1.5Final Barthel Index Score | 30 |
| 1.6Stroke Severity | 31 |
| 2. Result Analysis | 32 |
| 2.1Analysis on demographic characteristic of the subject | 32 |
| 2.2Correlation between type of stroke and final barthel index score | 34 |
| 2.3Correlation between confounding variable initial barthel index score and final barthel index score | 35 |

| | |
|--|----|
| 2.4Correlation between confounding variable sex and final barthel index score | 36 |
| 2.5Correlation between confounding variable age and final barthel index score | 38 |
| 2.6Correlation between confounding variable stroke severity and final barthel index score ... | 39 |
| 3. Discussion | 41 |
| 4. Limitation | 47 |
| Chapter V Conclusion and Suggestion..... | 49 |
| a. Conclusion | 49 |
| b. Suggestions | 50 |
| Chapter VI References | 51 |
| Attachments | 55 |

List of Tables

| | Page Number |
|--|-------------|
| Table 1. List of articles that has been done..... | 16 |
| Table 2. Subject Characteristic..... | 36 |
| Table 3. Demographic characteristic..... | 42 |
| Table 4. Type of Stroke and Barthel index..... | 44 |
| score | |
| Table 5. Initial barthel index score and..... | 45 |
| Final barthel index score | |
| Table 6. Sex and final barthel index score..... | 46 |
| Table 7. Age and final barthel index score..... | 48 |
| Table 8. Stroke severity and final barthel index.... | 49 |

List of Figures

| | Page Number |
|---|-------------|
| Figure 1. Conceptual Framework..... | 27 |
| Figure 2. Theoretical Framework..... | 28 |
| Figure 3. Subject distribution based on sex..... | 37 |
| Figure 4. Subject distribution based on age..... | 38 |
| Figure 5. Type of stroke proportion..... | 39 |
| Figure 6. Initial Barthel Index distribution..... | 40 |
| Figure 7. Final Barthel index proportion | 41 |
| Figure 8. Stroke Severity proportion..... | 42 |