Association Between Neonatal Jaundice and Sensorineural Hearing Loss Among Children with Speech
Delay: A Study in RSUP Dr. Sardjito from 2009-2013
RASYIDAH BINTI MD YASIN, dr. Retno Sutomo, Sp.A(K)., Ph.D; dr. Eggi Arguni, Sp.A., M.Sc., Ph.D
Universitas Gadjah Mada, 2015 | Diunduh dari http://etd.repository.ugm.ac.id/

TABLE OF CONTENT

Page

TITLE PAGE.....i

RATIFICATION PAGE.....ii

AUTHENTICITY STATEMENT.....iii

ACKNOWLEDGEMENT.....iv

TABLE OF CONTENT.....v

LIST OF TABLES AND FIGURES.....viii

ABBREVIATION.....ix

ABSTRACT.....x

CHAPTER I: INTRODUCTION

I.1. Background.....1

I.2. Research problem.....3

I.3. Research question.....3

I.4. Research objectives.....3

I.5. Research benefits.....4

I.6. Research authenticity.....4

CHAPTER II: LITERATURE REVIEW

II.1. Neonatal jaundice.....6

11.1.1. Epidemiology of neonatal jaundice.....6

II.1.2. Pathophysiology of neonatal jaundice.....7

Association Between Neonatal Jaundice and Sensorineural Hearing Loss Among Children with Speech
Delay: A Study in RSUP Dr. Sardjito from 2009-2013
RASYIDAH BINTI MD YASIN, dr. Retno Sutomo, Sp.A(K)., Ph.D; dr. Eggi Arguni, Sp.A., M.Sc., Ph.D
Universitas Gadjah Mada, 2015 | Diunduh dari http://etd.repository.ugm.ac.id/

II.1.3. Treatment of neonatal jaundice.....8

II.2. Sensorineural hearing loss (SNHL).....9

II.2.1. Epidemiology of SNHL.....9

II.2.2. Risk factor of SNHL.....10

II.2.3. Mechanism of Neonatal Jaundice leads to SNHL.....14

II.2.4. Diagnosis of SNHL.....15

II.2.5. Management and treatment of SNHL.....16

II.3. Speech delay.....18

II.3.1. Definition of speech delay.....18

II.3.2. Epidemiology of speech delay.....19

II.3.3. Management of speech delay.....20

II.4. Theoretical framework.....21

II.5. Conceptual framework.....22

II.6. Research hypothesis.....22

CHAPTER III: MATERIAL AND METHODOLOGY

III.1. Research design.....23

III.2. Population and subjects.....23

III.3. Research sample size.....25

III.4. Research steps.....26

III.5. Research variables and operational definition.....26

III.6. Statistical analysis.....27

UNIVERSITAS GADJAH MADA
Association Between Neonatal Jaundice and Sensorineural Hearing Loss Among Children with Speech Delay: A Study in RSUP Dr. Sardjito from 2009-2013
RASYIDAH BINTI MD YASIN, dr. Retno Sutomo, Sp.A(K)., Ph.D; dr. Eggi Arguni, Sp.A., M.Sc., Ph.D
Universitas Gadjah Mada, 2015 | Diunduh dari http://etd.repository.ugm.ac.id/

III.7. Approval study.....27

III.8. Research schedule.....28

CHAPTER IV: RESULT AND DISCUSSION

IV.1. Baseline characteristics.....30

IV.2. Data analysis.....32

IV.3. Discussion.....35

IV.4. Limitation.....39

CHAPTER V: CONCLUSION AND SUGGESTION

V.1. Conclusion.....42

V.2. Suggestions.....42

CHAPTER VI: REFERENCES.....44

APPENDICES.....48

UNIVERSITAS
GADJAH MADA
Association Between Neonatal Jaundice and Sensorineural Hearing Loss Among Children with Speech
Delay: A Study in RSUP Dr. Sardjito from 2009-2013
RASYIDAH BINTI MD YASIN, dr. Retno Sutomo, Sp.A(K)., Ph.D; dr. Eggi Arguni, Sp.A., M.Sc., Ph.D
Universitas Gadjah Mada, 2015 | Diunduh dari http://etd.repository.ugm.ac.id/

LIST OF TABLES AND FIGURES

Table 1: Time Schedule.....28

Table 2: Baseline characteristics in case's group....30

Table 3: Distribution of data.....32

Table 4: Neonatal jaundice-speech delay crosstabulation.....34

Figure 1: Theoretical framework.....21

Figure 2: Conceptual framework.....22