

TABLE OF CONTENT

APPROVAL PAGE	ii
AUTHENTICITY STATEMENT	iii
PREFACE.....	iv
TABLE OF CONTENT.....	vi
LIST OF TABLES	viii
LIST OF FIGURES	ix
LIST OF ABBREVIATION.....	x
ABSTRACT	xi
INTISARI	xii
CHAPTER I.....	1
A. Background.....	1
B. Problem Formulation	3
C. Objective	3
D. Benefits.....	4
E. Originality.....	5
CHAPTER II.....	7
A. Literature review.....	7
1. Definition and Epidemiology	7
2. Nomenclature and Classification	7
3. Pathogenesis	9
4. Clinical Presentation of DSD	10
5. Diagnosing DSD	11
6. Management and Gender Assignment	18
B. Theoretical Framework	21

C. Conceptual framework	22
CHAPTER III	23
A. Type and study design	23
B. Time and study setting.....	23
C. Study subject	23
D. Sample size	24
E. Study variable.....	24
F. Study material and measurement.....	26
G. Data collection tools	26
H. Data analysis	26
I. Ethical consideration	26
CHAPTER IV.....	27
A. Result.....	27
B. Discussion.....	30
1. Age Distribution	30
2. Geographical Distribution	32
3. Sex of Rearing	33
4. Clinical Presentation	35
C. Study Limitation	36
CHAPTER V	38
A. Conclusion.....	38
B. Suggestion	38
REFERENCES.....	39
APPENDICES	45

LIST OF TABLES

Table 1. Originality of the study	5
Table 2. Proposed nomenclature of DSD (Hughes, <i>et al.</i> , 2006).....	8
Table 3. New nomenclature of DSD (Hughes, <i>et al.</i> , 2006)	8
Table 5. Sex of rearing patients with DSD in RSUP Dr. Sardjito	29
Table 6. Clinical presentation of children with DSD in RSUP Dr. Sardjito	29

LIST OF FIGURES

Figure 1. Normal development of sex (Ostrer, 2014)	10
Figure 2. Measurement of clitoris (Iezzi , <i>et al.</i> , 2018).....	13
Figure 3. Phallometer to measure phallus (Kutlu & Akbiyik, 2011)	14
Figure 4. Micropenis (Hatipoglu & Kurtoglu, 2013).....	14
Figure 5. Clitoromegaly (Moshiri, <i>et al.</i> , 2012).....	15
Figure 6. Degree of hypospadias (Baskin, 2019)	16
Figure 7. Prader scale for virilization (Houk, <i>et al.</i> , 2019)	17
Figure 8. Theoretical framework.....	21
Figure 9. Conceptual framework.....	22
Figure 10. Number of DSD cases against year	27
Figure 11. Age of presentation DSD patients in RSUP Dr. Sardjito	28
Figure 12. Geographical distribution of DSD patient in RSUP Dr. Sardjito	28

LIST OF ABBREVIATION

17-OHP	: 17-hydroxyprogesterone
AAP	: American Academy of Physician
CAH	: Congenital Adrenal Hyperplasia
CAIS	: Complete Androgen Insensitivity Syndrome
DSD	: Disorder of Sex Development
EDC	: Endocrine Disrupting Chemicals
OT DSD	: Ovotesticular Disorder of Sex Development
PAIS	: Partial Androgen Insensitivity Syndrome
RSUP	: Rumah Sakit Umum Pusat (General Hospital)
SRY	: Sex-determining Region Y
UDT	: Undescended Testis