

## DAFTAR ISI

HALAMAN JUDUL .....	i
HALAMAN PENGESAHAN .....	ii
PERNYATAAN .....	iii
PRAKATA.....	iv
DAFTAR ISI.....	v
DAFTAR TABEL.....	vii
DAFTAR GAMBAR.....	viii
DAFTAR LAMPIRAN.....	ix
DAFTAR SINGKATAN .....	x
INTISARI .....	xiii
BAB I PENDAHULUAN.....	1
A. Latar Belakang .....	1
B. Rumusan Masalah .....	3
C. Tujuan Penelitian.....	3
D. Manfaat Penelitian.....	3
1. Manfaat Teoritis .....	3
2. Manfaat Praktis .....	3
E. Keaslian Penelitian .....	3
BAB II TINJAUAN PUSTAKA .....	6
A. Tinjauan Pustaka .....	6
1. Sepsis Anak .....	6
2. Kutur Darah .....	23
B. Kerangka Teori.....	24
C. Kerangka Konsep .....	25
D. Hipotesis .....	25
BAB III METODOLOGI PENELITIAN .....	26
A. Jenis dan Rancangan Penelitian .....	26
B. Waktu dan Tempat Penelitian .....	26
C. Subyek Penelitian .....	26
D. Besar Sampel.....	27

F. Teknik sampling .....	28
E. Variabel Penelitian .....	28
G. Definisi Operasional .....	28
H. Material Studi dan Pengukuran Penelitian .....	29
I. Prosedur Penelitian .....	30
J. Alur Penelitian .....	30
K. Analisis Data .....	30
L. Etika Penelitian .....	31
M. Kerahasiaan Data dan Keikutsertaan Subjek Rentan .....	31
M. Pernyataan Konflik Kepentingan .....	31
BAB IV .....	32
A. Hasil .....	32
B. Pembahasan .....	37
BAB V .....	47
A. Kesimpulan .....	47
B. Saran .....	47
C. Ringkasan .....	47
DAFTAR PUSTAKA .....	50
LAMPIRAN .....	56

## DAFTAR TABEL

Tabel 1. Keaslian penelitian.....	4
Tabel 2. Profil Bakteri Penyebab Infeksi dan Sepsis anak di Ruang Rawat Intensif anak di Indonesia .....	9
Tabel 3. Definisi Sepsis pada Anak Menurut ICCPS 2005 .....	14
Tabel 4. Variabel Tanda Vital dan Laboratorium Sesuai Umur .....	15
Tabel 5. Kriteria Disfungsi Organ Menurut Goldstein .....	16
Tabel 6. Skor PELOD -2.....	20
Tabel 7. Definisi operasional .....	28
Tabel 8. Karakteristik Dasar Subjek Penelitian.....	33
Tabel 9. Profil Bakteri Penyebab Sepsis di PICU RSUP Dr. Sardjito.....	34
Tabel 10. Tabel 2x2 PNPK Sepsis 2021 Dibandingkan Kultur Darah .....	35
Tabel 11. Performa PNPK Sepsis 2021 .....	35
Tabel 12. <i>Data Collection Form</i> .....	56

## **DAFTAR GAMBAR**

Gambar 1. Patofisiologi Sepsis .....	12
Gambar 2. Alur Penegakan Diagnosis Sepsis.....	18
Gambar 3. Kerangka Teori .....	24
Gambar 4. Kerangka Konsep.....	25
Gambar 5. Alur Penelitian .....	30
Gambar 6. Fagan's Normogram PNPk Sepsis 2021 .....	36

## **DAFTAR LAMPIRAN**

Lampiran 1. <i>Data Collection Form</i> .....	56
Lampiran 2. Analisis Data .....	58
Lampiran 6. Jadwal penelitian .....	68

## **DAFTAR SINGKATAN**

ACTH	: <i>Adrenocorticotrophic hormone</i>
ALF	: <i>Acute lung Failure</i>
APC	: <i>Activated Protein C</i>
APCs	: <i>antigen-presenting cells</i>
ARDS	: <i>Acute Respiratory Distress Syndrome</i>
AUC	: <i>Area Under Curve</i>
AVP	: <i>Arginine Vasopressin</i>
AVPU	: <i>Alert-Verbal-Pain-Unresponsive</i>
CBC	: <i>Complete Blood Count</i>
CI	: <i>Confident Interval</i>
CNS	: <i>Central Nervous System</i>
CPD	: <i>Cell Population Data</i>
CRP	: <i>C-reactive protein</i>
DAMPs	: <i>Damage-associated molecular patterns</i>
DIC	: <i>Disseminated Intravascular Coagulation</i>
DOR	: <i>Diagnostic Odd Ratio</i>
EGDT	: <i>Early Goal Directed Therapy</i>
EPA2	: <i>Epinephrine phospholipase A2</i>
G-CSF	: <i>Granulocyte Colony-Stimulating Factor</i>
GM-CSF	: <i>Granulocyte-Macrophage Colony-Stimulating Factor</i>
HIF	: <i>Hypoxia-Induced Factor-</i>
IFN-	: <i>Interferon Gamma</i>
IPS	: <i>Internatioanl Pediatric Society</i>
IL-1	: <i>Interleukin-1</i>
IL-2	: <i>Interleukin-2</i>
IPF	: <i>Immature Platelet Function</i>
ITR	: <i>Immature to Total Neutrophils Ratio</i>
LBP	: <i>Lipopolysaccharide Binding Protein</i>
L B4-Ra	: <i>Leukotriene B4-Receptor Antagonist</i>
LP	: <i>Lipoteichoic acid</i>
LPS	: <i>Lipopolysaccharide</i>
LR	: <i>Likelihood Ratio</i>

<b>MAMP</b>	: <i>Microbial-associated molecular pattern</i>
<b>MAP</b>	: <i>Mean Arterial Pressure</i>
<b>MCP-1</b>	: <i>Monocyte Chemoattractant Protein-1</i>
<b>MDP</b>	: <i>Muramyl dipeptides</i>
<b>MDW</b>	: <i>Monocyte Distribution Width</i>
<b>MIP-</b>	: <i>Macrophage Inflammatory Protein-</i>
<b>MMPs</b>	: <i>Matrix Metalloproteinases</i>
<b>MODS</b>	: <i>Multi Organ Dysfunction Syndrome</i>
<b>MPV</b>	: <i>Mean Platelet Volume</i>
<b>mCSF</b>	: <i>macrophage Colony-Stimulating Factor</i>
<b>mRNAs</b>	: <i>micro Ribonucleic Acid</i>
<b>NET</b>	: <i>Neutrophil Extracellular Traps</i>
<b>NFκ</b>	: <i>Nuclear factor Kappa</i>
<b>NKT</b>	: <i>Natural Killer T-Cell</i>
<b>NLR</b>	: <i>Neutrophil Lymphocyte Ratio</i>
<b>NO</b>	: <i>Nitric Oxide</i>
<b>OA</b>	: <i>Overall Accuracy</i>
<b>PAF</b>	: <i>platelet activating factor</i>
<b>PAMPs</b>	: <i>Pathogen-Associated Molecular Patterns</i>
<b>PB</b>	: <i>Panjang badan</i>
<b>PCR</b>	: <i>Polymerase chain reaction</i>
<b>PCT</b>	: <i>Procalcitonin</i>
<b>PDGF</b>	: <i>Platelet-Derived Growth Factor</i>
<b>PG</b>	: <i>Prostaglandin</i>
<b>PICU</b>	: <i>Pediatric Intensive Care Unit</i>
<b>PLR</b>	: <i>Platelet Lymphocyte Ratio</i>
<b>PRISM</b>	: <i>Pediatric Risk of Mortality</i>
<b>PNPK</b>	: <i>Pedoman Nasional Pelayanan Kedokteran</i>
<b>pSOFA</b>	: <i>Pediatric Sequential Organ Failure Assessment</i>
<b>RDW</b>	: <i>Red cell Distribution Width</i>
<b>ROC</b>	: <i>Receiver Operating Characteristic</i>
<b>ROS</b>	: <i>Reactive Oxygen Species</i>
<b>SIRS</b>	: <i>Systemic Inflammatory Response Syndrome</i>
<b>SOFA</b>	: <i>Sequential Organ Failure Assessment</i>

STREM-1 : Soluble Trigering Receptor Expressed on Myeloid Cell-1

TB : Tinggi badan

TGF : *Transforming Growth Factor-*

TLR : *Toll Like Receptors*

TM : Trombomodulin

TNF- : *tumor necrosis factor alpha*

TTP : *Time-to positive*

TTR : Time-to Result

WBC : *White Blood Count*