

63 NILAI LAB YANG PENTING UNTUK DIKETAHUI PERAWAT



Pemeriksaan Darah Lengkap dengan Diferensiasi

Nilai	Abreviasi	Unit	Normal
Red Blood Cell	RBC	$\times 10^6/\text{mCL}$	Laki-laki: 4.5 - 5.5 Perempuan: 4.0 - 4.9
White Blood Cell	WBC	cells/mcL	4,500 - 10,000
Neutrofil		%	40 - 60
Band Forms		%	3 - 5 (>8 = left shift)
Eosinofil		%	1 - 4
Basofil		%	0.5 - 1
Limfosit		%	20 - 40
Monosit		%	2 - 8
Platelet	PLT	cells/mcL	100,000 - 450,000
Hemoglobin	Hgb	g/dl	Laki-laki: 13.5 - 16.5 Perempuan: 120 - 15/0
Hematokrit	Hct	Antikolinergik	Laki-laki: 41 - 50 Perempuan: 36 - 44
Mean Corpuscular Volume	MCV	fL	80 - 100
Red Cell Distribution Width	RDW	%	<14.5

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Pemeriksaan Kimia Darah (Blood Metabolic Panel - BMP)

Nilai	Abreviasi	Unit	Normal
Sodium	Na ⁺	mEq/L	135 - 145
Potassium	K ⁺	mEq/L	3.5 - 5.0
Chloride	Cl ⁻	mEq/L	96 - 108
Glukosa	Glu	mg/dL	70 - 115
Kalsium	Ca ²⁺	mg/dL	8.4 - 10.2
Kreatinin	Cr	mg/dL	0.7 - 1.40
Blood Urea Nitrogen	BUN	mg/dL	7 - 20

Pemeriksaan Kolesterol Level

Nilai	Abreviasi	Unit	Normal
Kolesterol Total		mg/dL	< 200
Low Density Lipoprotein	LDL	mg/dL	< 70
High Density Lipoprotein	HDL	mg/dL	> 60 optimal
Trigliserida	TG	mg/dL	< 150

Pemeriksaan Koagulasi (Coagulation Studies)

Nilai	Abreviasi	Unit	Normal
Prothrombin Time	PT	Seconds	11 - 14
Partial Thromboplastin Time	PTT	Seconds	25 - 35
Intl. Normalized Ratio	INR		0.8 - 1.2
Activated Partial Athromboplastin Time	aPTT	Seconds	30 - 40

Arterial Blood Gas (ABG) - AGD

Nilai	Abreviasi	Unit	Normal
pH	pH		7.35 - 7.45
Partial Pressure of CO ₂	PaCO ₂	mmHg	35 - 45
Partial Pressure of O ₂	PaO ₂	mmHg	80 - 100
Bikarbonat	HCO ₃	mEq/L	22 - 26
Base Excess	BE	mEq/L	-2 - +2
Saturasi Oksigen	SaO ₂	%	95 - 100

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Pemeriksaan Laboratorium Umum

Nilai	Abreviasi	Unit	Normal
Albumin	Alb	g/dL	3.5-6.0
Alkaline Phosphatase	Alk Phos	U/L	40 - 130
Aspartate Aminotransferase	AST	U/L	12 - 37
Alanine Aminotransferase	ALT	U/L	13 - 69
Ammonia	Nh3	mcg/dL	19 - 60
Amylase		U/L	0 - 130
Base Excess (Arterial)	BE	mEq/L	-2 - +2
Bikarbonat (Arterial)	HCO3	mEq/L	22 - 26
Bilirubin, Direct (Konjugasi)		mg/dL	0 - 0.2
Bilirubin Total	T.bili	mg/dL	0.1 - 1.2
Blood Urea Nitrogen	BUN	mg/dL	7 - 20
Brain Type Natriuretic Peptide	BNP	pg/mL	< 100
C-Reactive Protein	CRP	mg/L	< 1.0
Kalsium	Ca ²⁺	mg/dL	8.4 - 10.28.4 - 10.2
Chloride	Cl-	mEq/L	96 - 108
Cholesterol Total		mg/dL	< 200
Creatinine	Cr	mg/dL	0.7 - 1.40
Creatinine Clearance		mL/min	85 - 125
Creatinine Kinase	CK	U/L	55 - 170
Creatinine Kinase MB	CK-MB	ng/mL	< 2.40
D-Dimer	DDI	ng/mL	</= 250
Eritrosit Sedimentation Rate	ESR	mm/h	0 - 20
Ferritin		ng/mL	20 -300
Folic Acid		ng/mL	2 - 20
Glomerular Filtration Rate	GFR	mL/min/1.73m ²	90 - 120
Glukosa	Glu	mg/dL	70 - 115
Glucose Tolerance Test	GTT	mg/dL	Puasa: 60 - 100 1 jam: < 200 2 jam: <140
Glycosylated Hemoglobin	HgbA1c	% of total Hgb	5.6 - 7.5
Growth Hormone	GH	ng/mL	Laki-laki: <5 Perempuan: < 10

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Pemeriksaan Laboratorium Umum

Nilai	Abreviasi	Unit	Normal
Hematokrit	Hct	%	Laki-laki: 41 - 50 Perempuan: 36 - 44
Hemoglobin	Hgb	g/dl	Laki-laki: 13.5 - 16.5 Perempuan: 12.0 - 15.0
High Density Lipoprotein	HDL	mg/dL	> 60 optimal
Homosistin		mg/dL	0.54 - 2.3
Intl. Normalized Ratio	INR		0.8 - 1.2
Iron	Fe	µg/dL	50 - 175
Lactate Dehydrogenase	LDH	U/L	88 - 230
Lactic Acid		mEq/L	Darah Vena: 0.5 - 2.2 Darah Arteri: 0.5 - 1.6
Lipase		U/L	0 - 160
Low Density Lipoprotein	LDL	mg/dL	< 70
Magnesium	Mg	mg/dL	1.6 - 2.6
Mean Corpuscular Volume	MCV	fL	80 - 100
Myoglobin	MB	ng/mL	5 - 70
Osmolality Serum		mOSM/kg	261 - 280
Oxygen Saturation (Arterial)	SaO ₂	%	95 - 100
Partial Pressure of CO (Arterial)	PaCO ₂	mmHg	35 - 45
Partial Pressure of O (Arterial)	PaO ₂	mmHg	80 - 100
Partial Thromboplastin Time	PTT	Seconds	25 - 35
pH (Arterial)	pH		7.35 - 7.45
Phosporus (Phospate)	PO ₄	mg/dL	3.0 - 4.5
Platelets	PLT	cells/mcL	100,000 - 450,000
Potassium	K+	mEq/L	3.5 - 5.0
Prealbumin	PAB	mg/dL	19 - 38
Prostate Specific Antigen	PSA	ng/mL	Laki-laki: < 4 Perempuan: < 0.5
Protein Total	Prot	g/dL	6 - 8
Prothrombin Time	PT	Seconds	11 - 14
Red Blood Cell	RBC	x10 ⁶ /ml	Laki-laki: 4.5 - 5.5 Perempuan: 4.0 - 4.9
Red Cell Distribution Width	RDW		< 14.5
Sodium	Na+	mEq/L	135 - 145