

Lampiran 1. *Loogbook* Penelitian

1. *Grade* Kualitas Warna Sel Retikulosit

Kode Sampel	Preparat Pemeriksaan	Jumlah Retikulosit	<i>Grade</i> Retikulosit													Rata-Rata Skor	Total Skor
Standar (<i>Brilliant Cresyl Blue</i> 1%)	P1	6	3	3	3	3	3	3								3	3
	P2	9	3	3	3	3	3	3	3	3	3					3	
	P3	9	3	3	3	3	3	3	3	3	3					3	
	P4	10	3	3	3	3	3	3	3	3	3	3				3	
	P5	7	3	3	3	3	3	3	3							3	
MB1 (<i>Methylen Blue</i> 0,5%)	P1	9	1	1	1	1	1	1	1	1	1					1	1
	P2	9	1	1	1	1	1	1	1	1	1					1	
	P3	7	1	2	1	1	1	1	1							1,1 ≈ 1	
	P4	8	1	1	1	1	1	1	2	1						1,1 ≈ 1	
	P5	9	1	1	1	2	1	1	2	1	1					1,2 ≈ 1	
MB2 (<i>Methylen Blue</i> 1%)	P1	10	2	2	1	1	1	2	1	2	1	2				1,5 ≈ 2	2
	P2	7	1	2	2	2	2	2	2							1,9 ≈ 2	
	P3	7	2	2	2	1	1	1	2							1,6 ≈ 2	
	P4	8	1	1	1	1	1	2	1	1						1,1 ≈ 1	
	P5	7	2	1	1	1	1	1	1							1,1 ≈ 1	

MB3 (<i>Methylen Blue</i> 1,5%)	P1	8	2	3	2	3	3	3	3	3	3							2,75 ≈ 3	3			
	P2	5	3	3	3	3	3											3		3		
	P3	7	2	3	3	3	3	3	3									2,9 ≈ 3			3	
	P4	9	3	3	3	3	3	3	3	2	3							2,8 ≈ 3				3
	P5	11	3	3	3	3	3	3	3	3	3	3	3					3				
MB4 (<i>Methylen Blue</i> 2%)	P1	10	3	3	2	3	3	3	3	3	3	3						2,9 ≈ 3	3			
	P2	9	2	3	3	3	3	3	3	3	3							2,8 ≈ 3		3		
	P3	14	3	3	3	2	3	3	3	2	2	3	3	3	3			2,7 ≈ 3			3	
	P4	12	3	2	3	3	3	3	3	3	3	2	3	3				2,8 ≈ 3				3
	P5	11	3	3	3	3	2	3	3	3	3	3	3					2,9 ≈ 3				

Keterangan :

- 1 : Kurang Baik (SGF Biru Pudar, Sitoplasma Biru Pudar)
- 2 : Baik (SGF Biru, Sitoplasma Biru Muda)
- 3 : Sangat Baik (SGF Biru Tua, Sitoplasma Biru Muda)
- P1 : Preparat 1
- P2 : Preparat 2
- P3 : Preparat 3
- P4 : Preparat 4
- P5 : Preparat 5

2. Hitung Jumlah Retikulosit

STANDAR (BCB 1%)

1		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{6}{1004} \times 100\%$ $= 0,59 \approx \mathbf{0,6\%}$
	Eritrosit	98	103	113	120	99	93	85	101	72	120	1004	
	Retikulosit	1	1	1	2	-	-	1	-	-	-	6	

2		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{9}{1149} \times 100\%$ $= 0,78 \approx \mathbf{0,8\%}$
	Eritrosit	123	107	143	139	91	134	102	138	80	92	1149	
	Retikulosit	3	-	-	-	2	1	-	1	2	-	9	

3		1	2	3	4	5	6	7	8	9	10	11	12	13	14	Jumlah	$\frac{9}{1058} \times 100\%$ $= 0,85 \approx \mathbf{0,9\%}$
	Eritrosit	83	65	66	65	76	61	86	59	72	85	90	88	84	78	1058	
	Retikulosit	1	-	-	1	-	-	1	-	2	-	1	2	-	1	9	

4		1	2	3	4	5	6	7	8	9	10	11	12	Jumlah	$\frac{10}{1065} \times 100\%$ $= 0,93 \approx \mathbf{0,9\%}$
	Eritrosit	118	73	95	92	89	93	86	89	103	70	83	74	1065	
	Retikulosit	2	-	-	-	1	1	-	1	2	2	-	1	10	

5		1	2	3	4	5	6	7	8	9	10	11	Jumlah	$\frac{7}{1067} \times 100\%$ $= 0,65 \approx \mathbf{0,7\%}$
	Eritrosit	119	104	87	91	102	94	88	98	100	93	91	1067	
	Retikulosit	1	-	-	1	-	-	1	-	2	-	2	7	

SAMPEL 1 (METHYLEN BLUE 0,5%)

1		1	2	3	4	5	6	7	8	9	10	11	12	Jumlah	$\frac{9}{1042} \times 100\%$ $= 0,86 \approx \mathbf{0,9\%}$
	Eritrosit	84	105	72	81	88	82	82	80	89	82	101	96	1042	
	Retikulosit	1	1	1	2	-	-	1	-	-	-	2	1	9	

2		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{9}{1035} \times 100\%$ = 0,86 ≈ 0,9%
	Eritrosit	120	110	108	100	111	104	104	81	95	102	1035	
	Retikulosit	1	-	2	-	1	3	-	1	1	-	9	

3		1	2	3	4	5	6	7	8	9	10	11	12	13	Jumlah	$\frac{7}{1038} \times 100\%$ = 0,67 ≈ 0,7%
	Eritrosit	89	81	62	71	66	93	58	72	102	75	90	92	87	1038	
	Retikulosit	1	-	1	-	-	-	1	1	1	1	1	-	-	7	

4		1	2	3	4	5	6	7	8	9	10	11	Jumlah	$\frac{8}{1039} \times 100\%$ = 0,76 ≈ 0,8%
	Eritrosit	105	93	103	85	115	89	95	102	92	78	82	1039	
	Retikulosit	1	1	2	1	-	-	1	-	-	1	1	8	

5		1	2	3	4	5	6	7	8	9	10	11	Jumlah	$\frac{9}{1070} \times 100\%$ = 0,84 ≈ 0,8%
	Eritrosit	99	87	103	92	81	111	99	112	86	94	106	1070	
	Retikulosit	2	1	-	1	1	2	1	-	1	-	-	9	

SAMPEL 2 (METHYLEN BLUE 1%)

1		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{10}{1038} \times 100\%$ = 0,96 ≈ 1%
	Eritrosit	105	101	129	112	95	102	115	98	81	100	1038	
	Retikulosit	2	3	-	1	1	1	1	-	1	-	10	

2		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{7}{1011} \times 100\%$ = 0,69 ≈ 0,7%
	Eritrosit	97	125	98	101	99	105	81	109	84	112	1011	
	Retikulosit	1	1	1	3	-	-	-	-	1	-	7	

3		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{7}{1048} \times 100\%$ $= 0,66 \approx 0,7\%$
	Eritrosit	110	98	112	97	120	87	92	96	119	117	1048	
	Retikulosit	3	1	-	-	2	1	-	-	-	-	7	

4		1	2	3	4	5	6	7	8	9	10	11	Jumlah	$\frac{8}{1039} \times 100\%$ $= 0,76 \approx 0,8\%$
	Eritrosit	78	99	100	85	93	98	81	96	105	111	93	1039	
	Retikulosit	1	-	2	-	-	-	-	-	-	1	2	2	

5		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{7}{1059} \times 100\%$ $= 0,66 \approx 0,7\%$
	Eritrosit	127	119	105	113	98	110	90	85	115	97	1059	
	Retikulosit	1	-	-	1	-	1	-	1	-	3	7	

SAMPEL 3 (METHYLEN BLUE 1,5%)

1		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{8}{1144} \times 100\%$ $= 0,69 \approx 0,7\%$
	Eritrosit	135	121	112	125	102	110	98	112	103	126	1144	
	Retikulosit	2	-	3	-	1	-	-	-	-	1	1	

2		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{5}{1043} \times 100\%$ $= 0,47 \approx 0,5\%$
	Eritrosit	125	108	103	109	99	117	96	100	91	95	1043	
	Retikulosit	2	-	-	-	-	-	1	-	1	1	5	

3		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{7}{1039} \times 100\%$ $= 0,67 \approx 0,7\%$
	Eritrosit	99	120	115	103	94	100	92	108	97	111	1039	
	Retikulosit	2	-	-	-	-	3	1	1	-	-	7	

4		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{9}{1026} \times 100\%$ = 0,87 \approx 0,9%
	Eritrosit	111	91	89	115	107	95	102	101	112	103	1026	
	Retikulosit	3	2	-	-	1	1	-	1	1	-	9	

5		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{11}{1005} \times 100\%$ = 1,09 \approx 1%
	Eritrosit	98	110	93	102	99	112	93	105	97	96	1005	
	Retikulosit	1	2	3	-	1	1	-	-	-	3	11	

SAMPEL 4 (METHYLEN BLUE 2%)

1		1	2	3	4	5	6	7	8	9	10	11	Jumlah	$\frac{7}{1082} \times 100\%$ = 0,92 \approx 0,9%
	Eritrosit	80	95	100	112	93	99	101	111	106	99	86	1082	
	Retikulosit	2	-	-	3	-	1	2	-	-	-	2	10	

2		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{9}{1209} \times 100\%$ = 0,74 \approx 0,7%
	Eritrosit	130	121	115	109	123	125	133	122	112	119	1209	
	Retikulosit	2	1	1	-	1	-	-	1	-	3	9	

3		1	2	3	4	5	6	7	8	9	10	11	Jumlah	$\frac{14}{1063} \times 100\%$ = 1,31 \approx 1,3%
	Eritrosit	116	95	83	88	106	94	79	91	117	98	96	1063	
	Retikulosit	3	2	2	-	1	1	-	1	-	2	2	14	

4		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{12}{1053} \times 100\%$ = 1,13 \approx 1,1%
	Eritrosit	103	97	121	99	95	106	109	107	111	105	1053	
	Retikulosit	2	-	4	-	-	1	2	1	1	1	12	

5		1	2	3	4	5	6	7	8	9	10	Jumlah	$\frac{11}{1014} \times 100\%$ $= 1,08 \approx 1\%$
	Eritrosit	92	97	100	104	99	107	103	96	102	114	1014	
	Retikulosit	1	-	2	3	2	1	-	1	-	1	11	

No.	Kode Sampel	Konsentrasi	Jumlah Retikulosit/1000 Eritrosit	Interpretasi hasil					
1	ST	1%	0,6%	Normal	4	MB3	1,5%	0,7%	Normal
			0,8%	Normal				0,5%	Normal
			0,9%	Normal				0,7%	Normal
			0,9%	Normal				0,9%	Normal
			0,7%	Normal				1%	Normal
2	MB1	0,5%	0,9%	Normal	5	MB4	2%	0,9%	Normal
			0,9%	Normal				0,7%	Normal
			0,7%	Normal				1,3%	Normal
			0,8%	Normal				1,1%	Normal
			0,8%	Normal				1%	Normal
3	MB2	1%	1%	Normal	Keterangan : ST : Standar (BCB 1%) MB1 : <i>Methylen Blue</i> 0,5% MB2 : <i>Methylen Blue</i> 1% MB3 : <i>Methylen Blue</i> 1,5% MB4 : <i>Methylen Blue</i> 2%				
			0,7%	Normal					
			0,7%	Normal					
			0,8%	Normal					
			0,7%	Normal					

Lampiran 2. Hasil Uji Statistik *Mann Whitney U Test*

1. *Methylen Blue 0,5%*

	Skor Pemeriksaan
Mann-Whitney U	,000
Wilcoxon W	15,000
Z	-3,000
Asymp. Sig. (2-tailed)	,003
Exact Sig. [2*(1-tailed Sig.)]	,008 ^b

a. Grouping Variable: Kode Sampel
b. Not corrected for ties.

2. *Methylen Blue 1%*

Test Statistics^a

	Skor Pemeriksaan
Mann-Whitney U	,000
Wilcoxon W	15,000
Z	-2,835
Asymp. Sig. (2-tailed)	,005
Exact Sig. [2*(1-tailed Sig.)]	,008 ^b

a. Grouping Variable: Kode Sampel
b. Not corrected for ties.

3. *Methylen Blue 1,5%*

Test Statistics^a

	Skor Pemeriksaan
Mann-Whitney U	12,500
Wilcoxon W	27,500
Z	,000
Asymp. Sig. (2-tailed)	1,000
Exact Sig. [2*(1-tailed Sig.)]	1,000 ^b

a. Grouping Variable: Kode Sampel
b. Not corrected for ties.

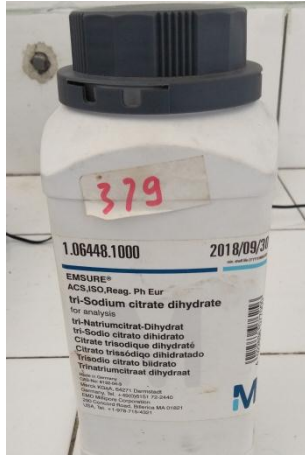
4. *Methylen Blue 2%*

Test Statistics^a

	Skor Pemeriksaan
Mann-Whitney U	12,500
Wilcoxon W	27,500
Z	,000
Asymp. Sig. (2-tailed)	1,000
Exact Sig. [2*(1-tailed Sig.)]	1,000 ^b

a. Grouping Variable: Kode Sampel
b. Not corrected for ties.

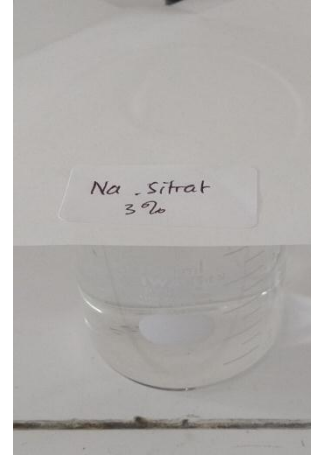
Lampiran 3. Dokumentasi Penelitian



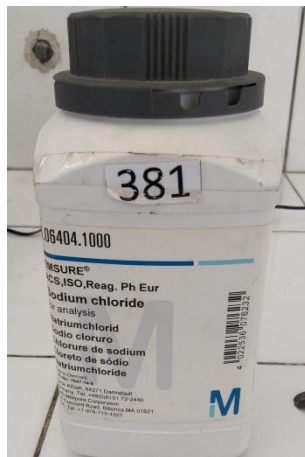
Na. Sitrat



Menimbang 3 gram Na. Sitrat



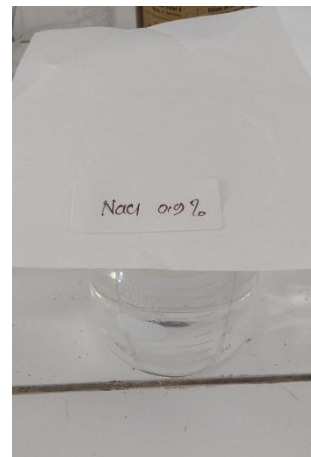
Na. Sitrat 3%



NaCl



Menimbang 0,9 gram NaCl



NaCl 0,9%



Briliant Cresyl Blue serbuk



Briliant Cresyl Blue 1%



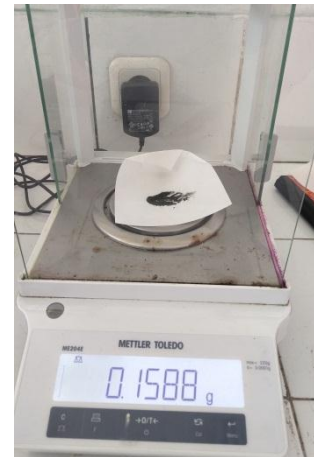
Methylen Blue serbuk



Menimbang 0,05 gram MB untuk dilarutkan dalam 10 mL sitrat salin



Menimbang 0,1 gram MB untuk dilarutkan dalam 10 mL sitrat salin



Menimbang 0,15 gram MB untuk dilarutkan dalam 10 mL sitrat salin



Menimbang 0,2 gram MB untuk dilarutkan dalam 10 mL sitrat salin



Penyaringan *Methylen Blue* dan reagen *Methylen Blue* 0,5%, 1%, 1,5%, 2%.



Alat dan bahan flebotomi



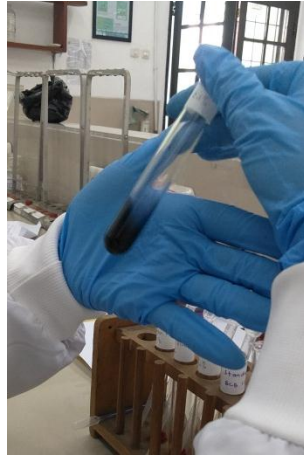
Pengambilan sampel darah vena



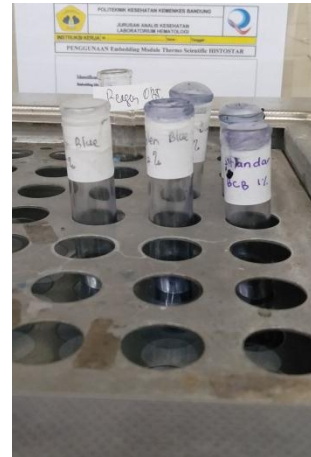
Darah EDTA



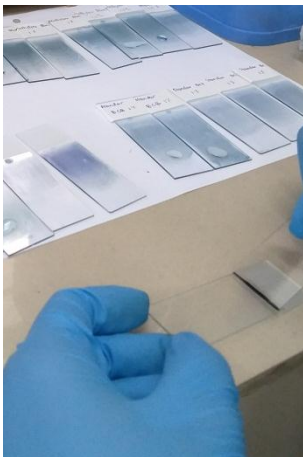
Meneteskan darah EDTA pada tabung reaksi



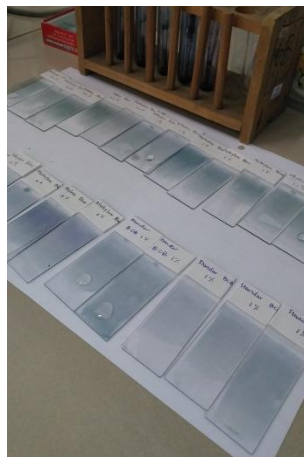
Menghomogenkan darah EDTA dan zat warna



Inkubasi pada *waterbath* selama 15 menit



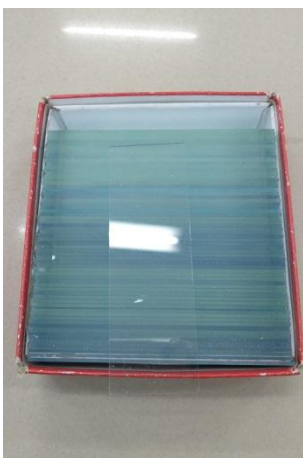
Pembuatan sedian apus darah



Pengeringan sediaan apusan



Pengamatan pada mikroskop



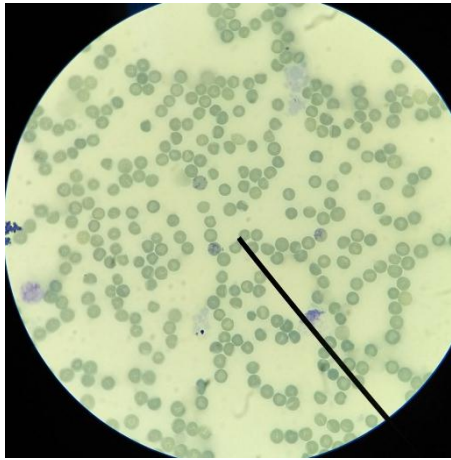
Object glass



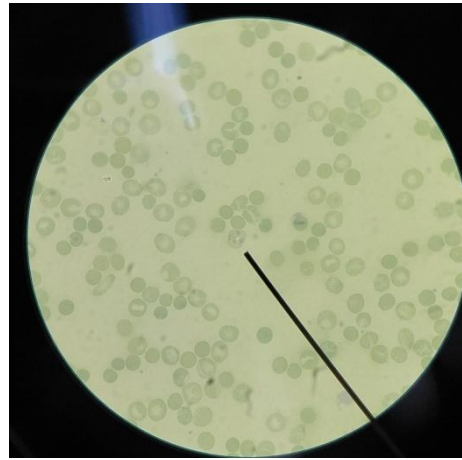
Mikroskop



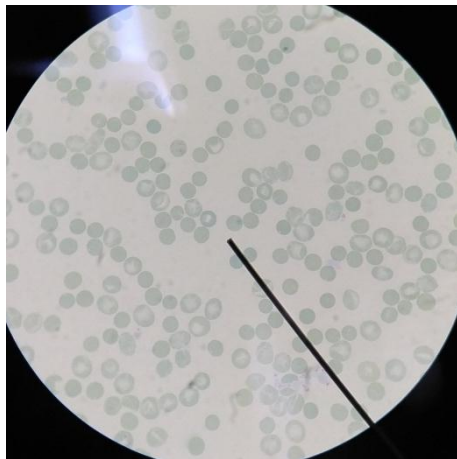
Waterbath



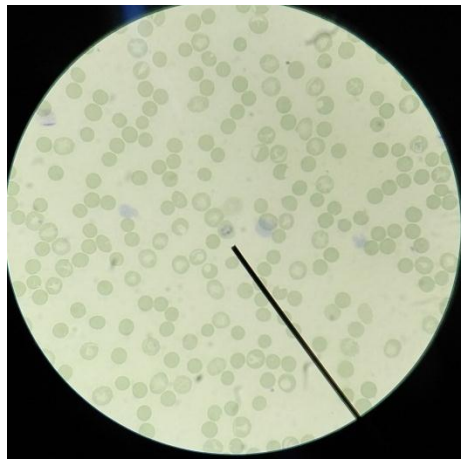
Sel Retikulosit dengan
pewarna standar *Briliant
Cresyl Blue* 1%



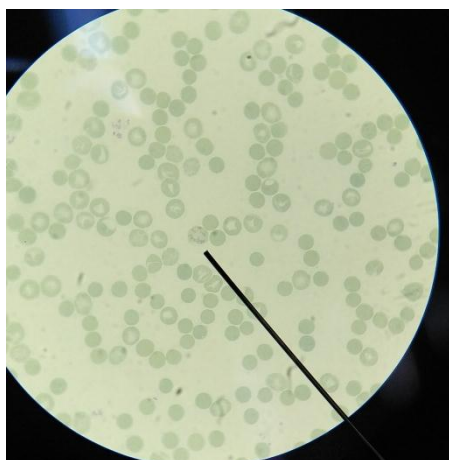
Sel Retikulosit dengan
modifikasi *Methylen Blue*
0,5%



Sel Retikulosit dengan
modifikasi *Methylen Blue* 1%



Sel Retikulosit dengan
modifikasi *Methylen Blue*
1,5%



Sel Retikulosit dengan
modifikasi *Methylen Blue* 2%

Lampiran 4. Lembar Bimbingan KTI

	POLITEKNIK KESEHATAN BANDUNG LEMBAR LOG BIMBINGAN KTI	
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NO	MATERI BIMBINGAN	WAKTU	MEDIA BIMBINGAN (Link zoom/ WA/Email)	TTD PEMBIMBING
1	Topik dan tema penelitian	8 Maret 2021	WA	<i>Almas</i>
2	Bimbingan BAB 1	11 Maret 2021	WA	<i>Almas</i>
3	Bimbingan BAB 2	17 Maret 2021	WA	<i>Almas</i>
4	Bimbingan kerangka konsep dan Hipotesis	23 Maret 2021	WA	<i>Almas</i>
5	Bimbingan Definisi Operasional	24 Maret 2021	WA	<i>Almas</i>
6	Bimbingan rencana jadwal kegiatan, RAB dan daftar pustaka	25 Maret 2021	WA	<i>Almas</i>
7	Bimbingan BAB 3	26 Maret 2021	WA	<i>Almas</i>
8	Persiapan sidang proposal	31 Maret 2021	WA	<i>Almas</i>
9	Persiapan penelitian	21 Juni 2021	WA	<i>Almas</i>
10	Pelaporan Hasil penelitian	25 Juni 2021	WA	<i>Almas</i>
11	Penyusunan KTI dan Revisi	2 Juli 2021	WA	<i>Almas</i>
12	Persiapan Sidang KTI	7 Juli 2021	WA	<i>Almas</i>