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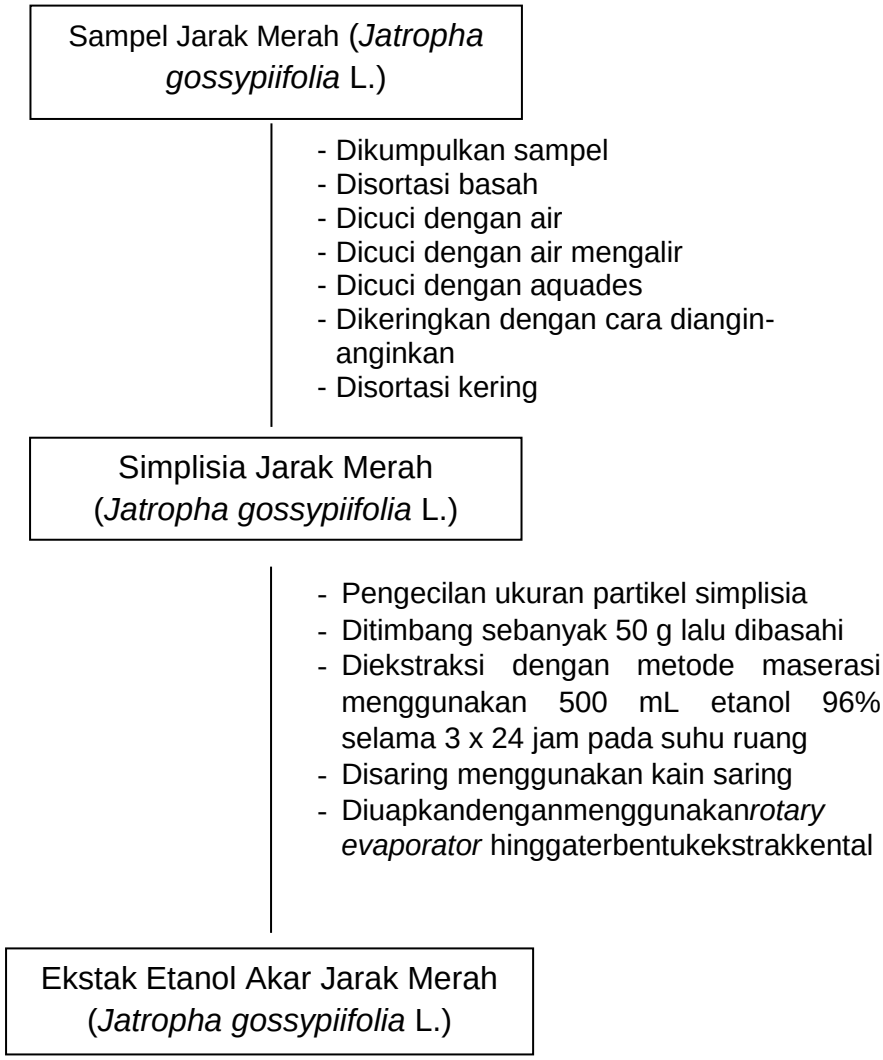
LAMPIRAN

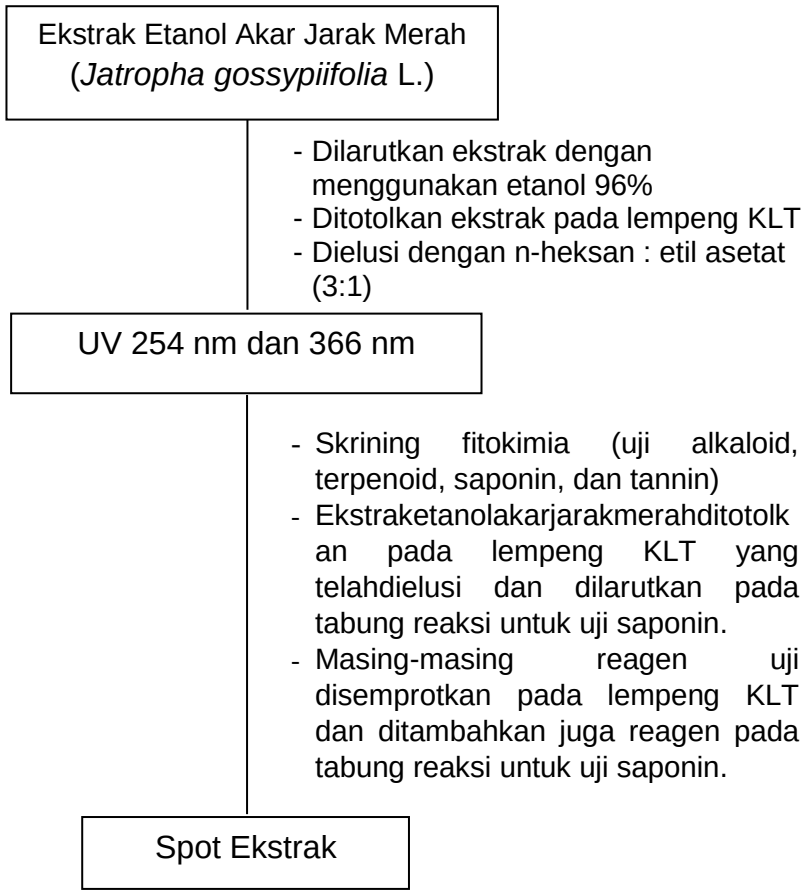
Lampiran 1

Skema PenyiapanSampel dan Simplisia



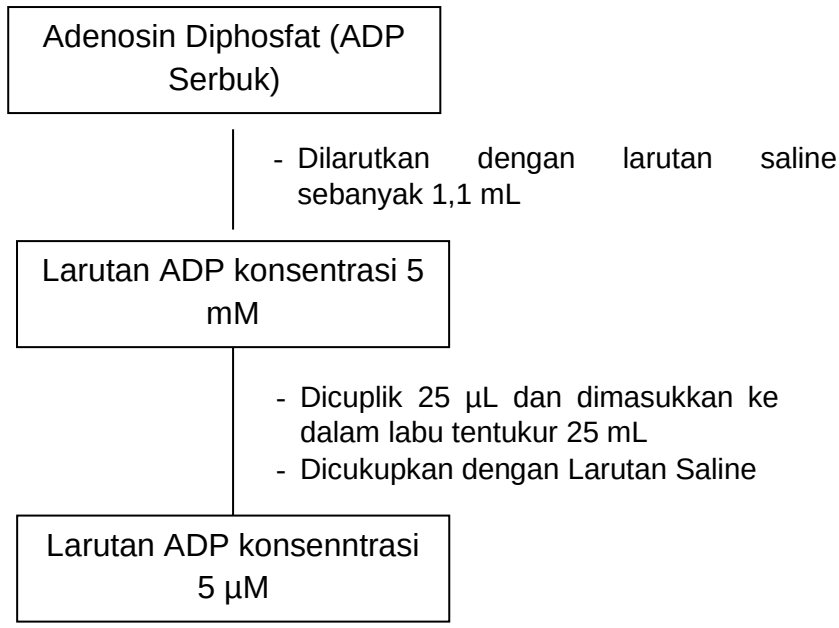
Lampiran 2

Skema Kromatografi Lapis Tipis dan Uji Pendahuluan



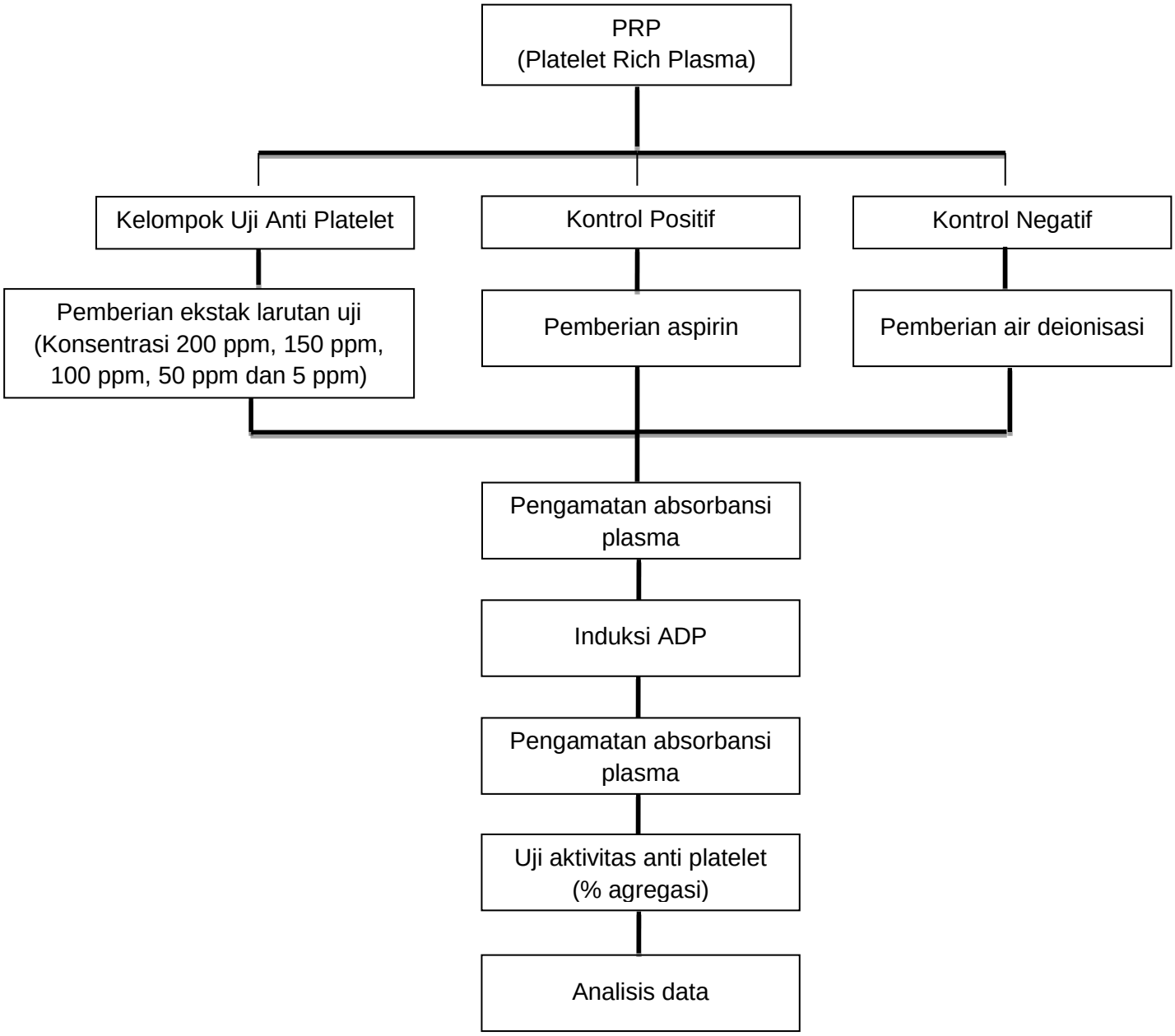
Lampiran 3

Skema Pembuatan Larutan ADP



Lampiran 4

Skema Uji Aktivitas Antiplatelet



Lampiran 5

Perhitungan

1) Perhitungan persen rendamen

% Rendamen $= \frac{BobotEkstrak}{BobotSimplisia}$ x 100%

$= \frac{23.81\ g}{100\ g}$ x 100%

= 23.81%

2) Perhitungan IC_{50} Inhibisi Agregasi Platelet Ekstrak Etanol Akar Jarak Merah

Konsentrasi (ppm)	Rerata % Inhibisi Agregasi Platelet	IC_{50} (ppm)
5	43.31	58.84
50	47.45	
100	57.70	
150	61.47	
200	63.83	

y = 0.112x + 43.41
50 = 0.112x + 43.41
0.112x = 50 - 43.41
0.112x = 6.59
x = 6.59/0.112
x = 58.84

Lampiran 6

AnalisisStatistik

Tabel 5. Hasil Uji Pendistribusian Data

One-Sample Kolmogorov-Smirnov Test

Tests of Normality

	Kelompok Uji	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
%Agregasi	Kontrol Positif	.332	3	.	.862	3	.274
	Kontrol Negatif	.353	3	.	.824	3	.172
	Konsentrasi 200 ppm	.294	3	.	.921	3	.457
	Konsentrasi 150 ppm	.177	3	.	1.000	3	.974
	Konsentrasi 100 ppm	.352	3	.	.825	3	.176
	Konsentrasi 50 ppm	.207	3	.	.992	3	.833
	Konsentrasi 5 ppm	.311	3	.	.898	3	.379

a. Lilliefors Significance Correction

Tabel 6. Hasil Uji One-Way Annova

ANOVA

%Agregasi

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4276.535	6	712.756	74.324	.000
Within Groups	134.257	14	9.590		
Total	4410.792	20			

Tabel 7. Hasil Uji Post Hoc Tukey

Multiple Comparisons						
Dependent Variable: %Agregasi						
Tukey HSD						
(I) Kelompok Uji	(J) Kelompok Uji	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol Positif	Kontrol Negatif	-49.30333*	2.52848	.000	-57.9370	-40.6696
	Konsentrasi 200 ppm	-11.05667*	2.52848	.009	-19.6904	-2.4230
	Konsentrasi 150 ppm	-12.46667*	2.52848	.003	-21.1004	-3.8330
	Konsentrasi 100 ppm	-14.73000*	2.52848	.001	-23.3637	-6.0963
	Konsentrasi 50 ppm	-20.87000*	2.52848	.000	-29.5037	-12.2363
	Konsentrasi 5 ppm	-23.35000*	2.52848	.000	-31.9837	-14.7163
Kontrol Negatif	Kontrol Positif	49.30333*	2.52848	.000	40.6696	57.9370
	Konsentrasi 200 ppm	38.24667*	2.52848	.000	29.6130	46.8804
	Konsentrasi 150 ppm	36.83667*	2.52848	.000	28.2030	45.4704
	Konsentrasi 100 ppm	34.57333*	2.52848	.000	25.9396	43.2070
	Konsentrasi 50 ppm	28.43333*	2.52848	.000	19.7996	37.0670
	Konsentrasi 5 ppm	25.95333*	2.52848	.000	17.3196	34.5870
Konsentrasi 200 ppm	Kontrol Positif	11.05667*	2.52848	.009	2.4230	19.6904
	Kontrol Negatif	-38.24667*	2.52848	.000	-46.8804	-29.6130
	Konsentrasi 150 ppm	-1.41000	2.52848	.997	-10.0437	7.2237
	Konsentrasi 100 ppm	-3.67333	2.52848	.766	-12.3070	4.9604
	Konsentrasi 50 ppm	-9.81333*	2.52848	.022	-18.4470	-1.1796
	Konsentrasi 5 ppm	-12.29333*	2.52848	.004	-20.9270	-3.6596
Konsentrasi 150 ppm	Kontrol Positif	12.46667*	2.52848	.003	3.8330	21.1004
	Kontrol Negatif	-36.83667*	2.52848	.000	-45.4704	-28.2030
	Konsentrasi 200 ppm	1.41000	2.52848	.997	-7.2237	10.0437
	Konsentrasi 100 ppm	-2.26333	2.52848	.967	-10.8970	6.3704
	Konsentrasi 50 ppm	-8.40333	2.52848	.059	-17.0370	.2304
	Konsentrasi 5 ppm	-10.88333*	2.52848	.010	-19.5170	-2.2496
Konsentrasi 100 ppm	Kontrol Positif	14.73000*	2.52848	.001	6.0963	23.3637
	Kontrol Negatif	-34.57333*	2.52848	.000	-43.2070	-25.9396
	Konsentrasi 200 ppm	3.67333	2.52848	.766	-4.9604	12.3070
	Konsentrasi 150 ppm	2.26333	2.52848	.967	-6.3704	10.8970
	Konsentrasi 50 ppm	-6.14000	2.52848	.256	-14.7737	2.4937
	Konsentrasi 5 ppm	-8.62000	2.52848	.050	-17.2537	.0137

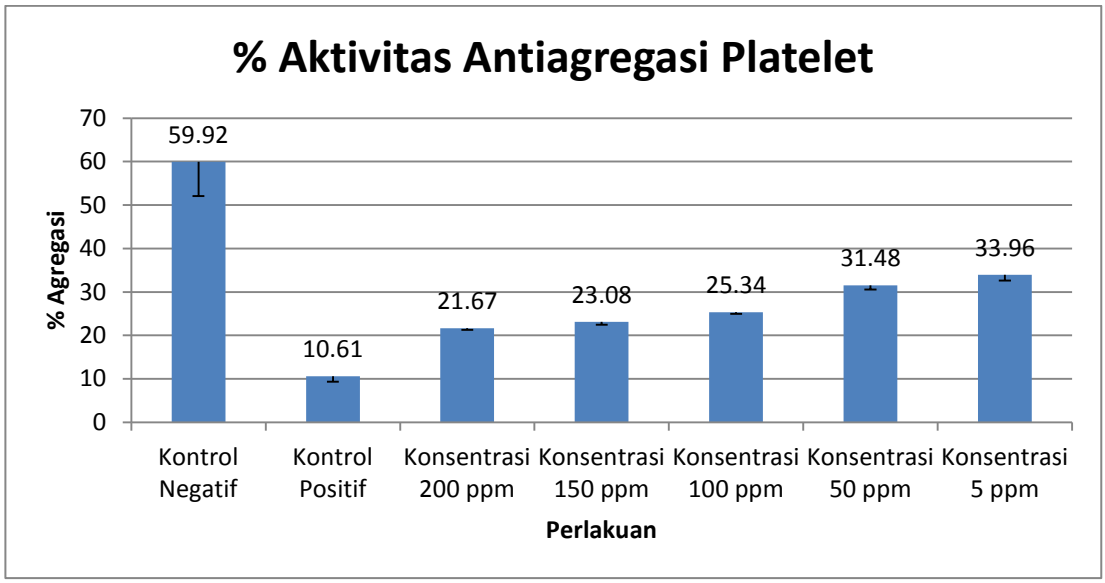
Konsentrasi 50 ppm	Kontrol Positif	20.87000*	2.52848	.000	12.2363	29.5037
	Kontrol Negatif	-28.43333*	2.52848	.000	-37.0670	-19.7996
	Konsentrasi 200 ppm	9.81333*	2.52848	.022	1.1796	18.4470
	Konsentrasi 150 ppm	8.40333	2.52848	.059	-.2304	17.0370
	Konsentrasi 100 ppm	6.14000	2.52848	.256	-2.4937	14.7737
	Konsentrasi 5 ppm	-2.48000	2.52848	.950	-11.1137	6.1537
Konsentrasi 5 ppm	Kontrol Positif	23.35000*	2.52848	.000	14.7163	31.9837
	Kontrol Negatif	-25.95333*	2.52848	.000	-34.5870	-17.3196
	Konsentrasi 200 ppm	12.29333*	2.52848	.004	3.6596	20.9270
	Konsentrasi 150 ppm	10.88333*	2.52848	.010	2.2496	19.5170
	Konsentrasi 100 ppm	8.62000	2.52848	.050	-.0137	17.2537
	Konsentrasi 50 ppm	2.48000	2.52848	.950	-6.1537	11.1137

*. The mean difference is significant at the 0.05 level.

Lampiran 7

Hasil Uji Aktivitas Antiagregasi Platelet

Perlakuan	Rata-rata % Agregasi Platelet ± SD (n=3)
Kontrol positif	10.61±1.29
Kontrol negatif	59.92±7.88
Ekstrak konsentrasi 200 ppm	21.67±0.39
Ekstrak konsentrasi 150 ppm	23.08±0.63
Ekstrak konsentrasi 100 ppm	25.34±0.38
Ekstrak konsentrasi 50 ppm	31.48±0.92
Ekstrak konsentrasi 5 ppm	33.96±1.31

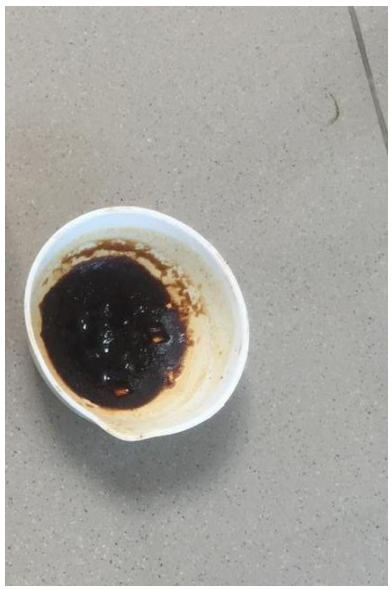


Lampiran 8

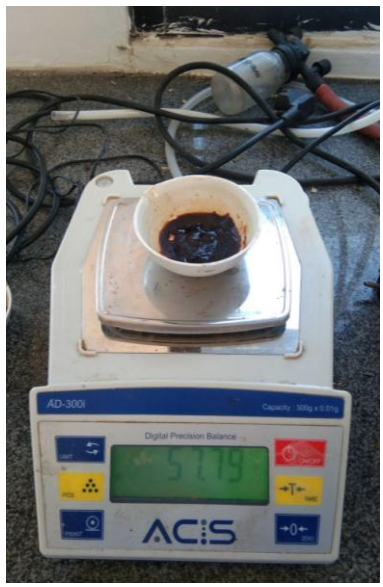
Gambar Penelitian

Gambar 1. SampelAkar
Jarak Merah

Gambar 2. Simplisia
Akar Jarak Merah



Gambar 3. Ekstrak
Etanol Akar Jarak Merah



Gambar 4. Penimbangan
Esktrak Etanol Akar
Jarak Merah

Gambar 5. Visualisasi pada UV 254 nm

Gambar 6. Setelah penyemprotan reagen Vanilin Asam Sulfat

Gambar 7. Setelah penyemprotan reagen Dragendorff

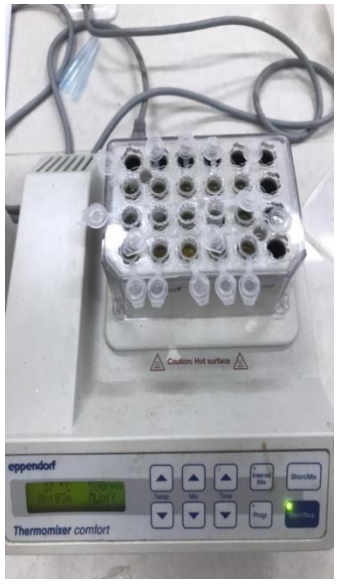
Gambar 8. Setelah penyemprotan reagen $FeCl_3$

Gambar 9. Uji saponin setelah dilarutkan dengan aquadest dan penambahan HCl 2 M

Gambar 10. Pembuatan Larutan Aspirin

Gambar 11. Pembuatan reagen ADP

Gambar 12.*Platelet Rich Plasma* (PRP)



Gambar 13. PRP dan sampel sebelum dan sesudah penambahan ADP yang diinkubasi

Lampiran 9

Permohonan Pembelian Darah PMI

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS HASANUDDIN
FAKULTAS FARMASI
Jalan.Perintis kemerdekaan Km.10, Makassar 90245
Telepon (0411) 588556, Faksimili (0411) 590663
Laman: farmasi.unhas.ac.i

Nomor : 649/UN4.17.1/KP.06.07/2021 08 Maret 2021
Perihal : Permohonan Pembelian Darah

Yth. Kepala Unit Transfusi Darah PMI
Kota Makassar
Makassar

Dengan hormat, sehubungan dengan pelaksanaan penelitian mahasiswa Fakultas Farmasi Universitas Hasanuddin yang dilakukan oleh :

Nama	: Selin Ariani Pabisa
NIM	: N011171546
Program Studi	: S1 Farmasi

Dengan ini kami mengajukan permohonan agar mahasiswa tersebut dapat diizinkan untuk melakukan pembelian darah di Unit Transfusi Darah PMI Kota Makassar.

Demikian permohonan kami, atas perhatian dan kerjasamanya disampaikan terima kasih.

a.n. Dekan.
Wakil Dekan Bidang .Akademik, Riset dan Inovasi,

Prof.Dr.rer-nat.Marianti A. Manggau, Apt.
NIP. 196703191992032002

Tembusan :
1. Ketua Gugus Penjaminan Mutu
2. Kabag. Tata Usaha
3. Arsip