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Lampiran



Gambar 13. Sediaan asam folinat yang digunakan (dalam bentuk garam).



Gambar 14. Penandaan hewan coba.



Gambar 15. Hewan coba dikelompokkan menjadi tiga kelompok.



Gambar 16. Lokasi penyimpanan hewan coba.



Gambar 17. Hewan coba ditimbang sebelum penelitian dimulai.



Gambar 18. Tindakan pembiusan dengan Ketamine.



Gambar 19. Lokasi insisi dan daerah kraniotomi (sisi kanan).



Gambar 20. Pesawat *weight drop test*.



Gambar 21. Beban siap untuk dijatuhkan. Hewan coba yang telah dikraniotomy diposisikan tepat pada lokasi jatuhnya beban.



Gambar 22. Penampang permukaan selaput otak setelah dilakukan tindakan kraniotomy.



Gambar 23. Setelah dijahit, luka dioles dengan antibiotik topikal.



Gambar 24. Injeksi asam folinat secara intraperitoneal.



Gambar 25. Setelah dilakukan perlakuan, hewan coba dikembalikan ke tempat penyimpanan dan diamati serta diawasi.



Gambar 26. Pengambilan sampel darah dari vena lateralis ekor.



Gambar 27. Primer RTPCR gen HMGB1 / Housekeeping gen β -actin.



Gambar 28. PCR Master Mix SYBR Green.



Gambar 29. Pembuatan PCR Mix.



Gambar 30. Nanodrop.



Gambar 31. Memasukkan template ke dalam PCR Mix.



Gambar 32. Mesin PCR yang digunakan.



Gambar 33. Analisa hasil PCR.



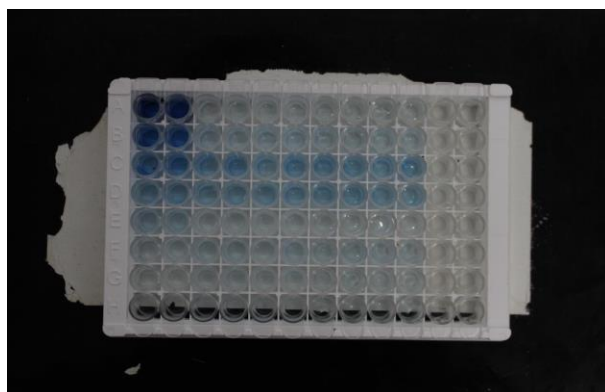
Gambar 34. Elisa kit yang digunakan (Rat Homocysteine (Hcy) ELISA dari Cusabio dengan no. catalog CSB-E13376r, Rat TNF- α Elisa Kit dari LifeSpan BioSciences, Inc. dengan no. catalog LS-F24977, dan Rat IL-10 Elisa Kit dari LifeSpan BioSciences, Inc. dengan no. catalog LS-F2482).



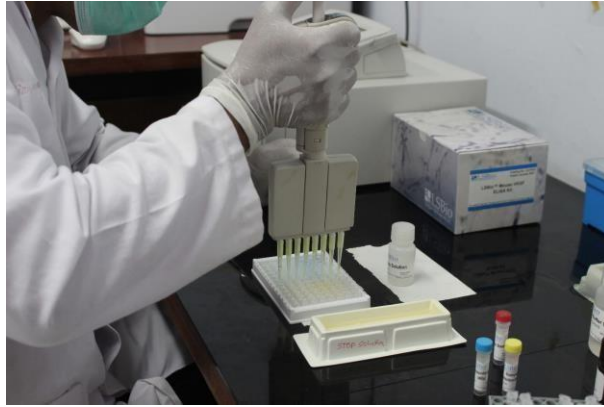
Gambar 35. Material dan reagen yang telah dipersiapkan.



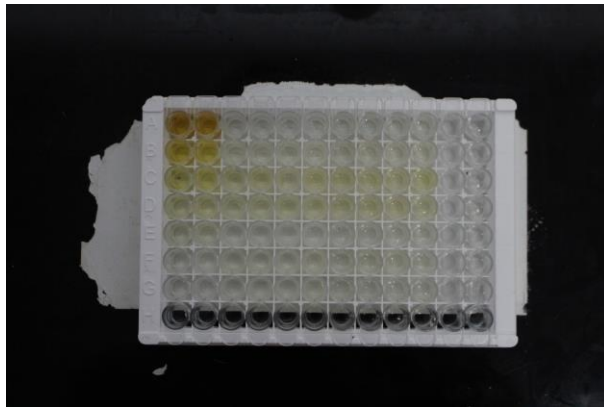
Gambar 36. Pengerjaan ELISA.



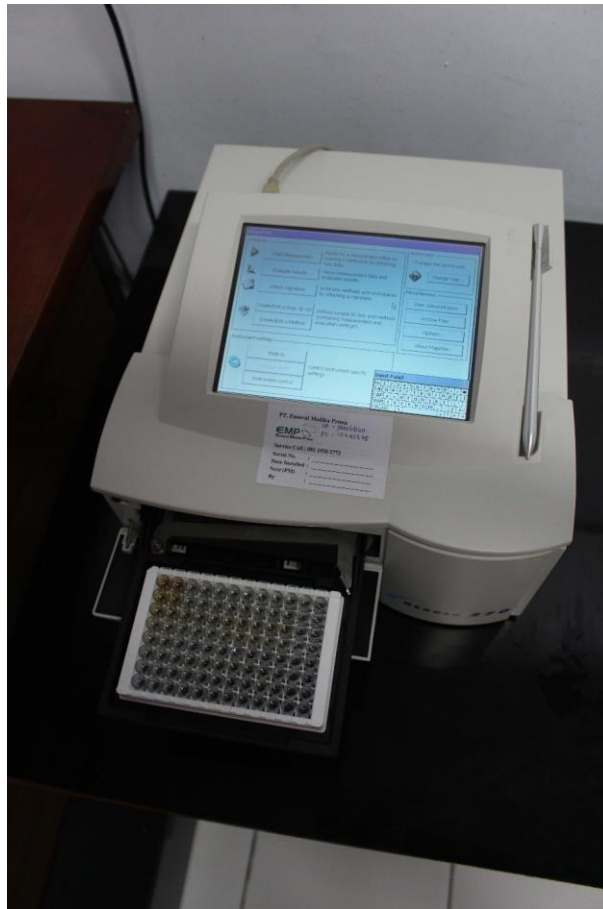
Gambar 37. Plate setelah penambahan substrat.



Gambar 38. Stop reaksi ELISA (Biru ke kuning).



Gambar 39. Plate setelah stop reaksi.



Gambar 40. Plate siap baca pada mesin ELISA.






Gambar 41. Analisa hasil OD ELISA.

Tabel 7. Instrumen pencatatan berat tikus dan dosis obat yang diberikan.

Kalkulasi berat tikus

	Berat Tikus (gram)	Dosis ketamine 2 mg/kg (dalam mg)	Dosis ketamine 10 mg/kg (dalam mg)	BSA cm2	Dosis leucovorine 60 mg/m2 (dalam mg)	Injeksi i.p leucovorin (larutan 10mg/ml)	Dosis ketamine 75 mg/kg (dalam mg)	Dosis ketamine 100 mg/kg (dalam mg)
1	197	0,394	1,97	332,8110	2,00	0,20	14,775	19,7
2	188	0,376	1,88	322,5958	1,94	0,19	14,1	18,8
3	195	0,39	1,95	330,5546	1,98	0,20	14,625	19,5
4	201	0,402	2,01	337,3009	2,02	0,20	15,075	20,1
5	193	0,386	1,93	328,2906	1,97	0,20	14,475	19,3
6	178	0,356	1,78	311,0524	1,87	0,19	13,35	17,8
7	213	0,426	2,13	350,5957	2,10	0,21	15,975	21,3
8	175	0,35	1,75	307,5475	1,85	0,18	13,125	17,5
9	189	0,378	1,89	323,7388	1,94	0,19	14,175	18,9
10	203	0,406	2,03	339,5347	2,04	0,20	15,225	20,3
11	192	0,384	1,92	327,1556	1,96	0,20	14,4	19,2
12	180	0,36	1,8	313,3780	1,88	0,19	13,5	18
13	207	0,414	2,07	343,9804	2,06	0,21	15,525	20,7
14	185	0,37	1,85	319,1548	1,91	0,19	13,875	18,5
15	201	0,402	2,01	337,3009	2,02	0,20	15,075	20,1
16	198	0,396	1,98	333,9363	2,00	0,20	14,85	19,8
17	178	0,356	1,78	311,0524	1,87	0,19	13,35	17,8
18	187	0,374	1,87	321,4509	1,93	0,19	14,025	18,7

-  Kelompok 1 Trauma - Asam Folinat +
-  Kelompok 2 Trauma + Asam Folinat -
-  Kelompok 3 Trauma + Asam Folinat +

