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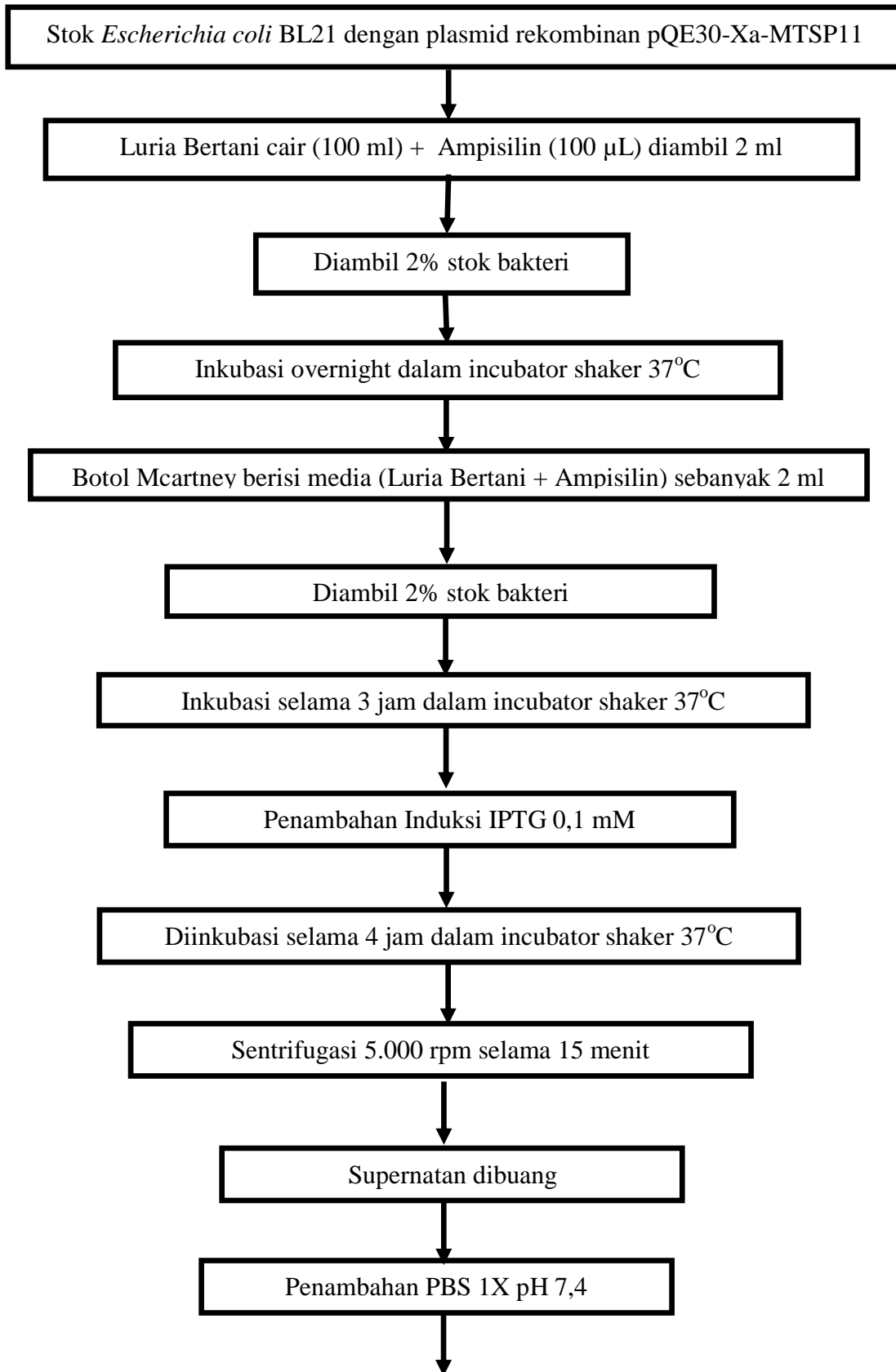
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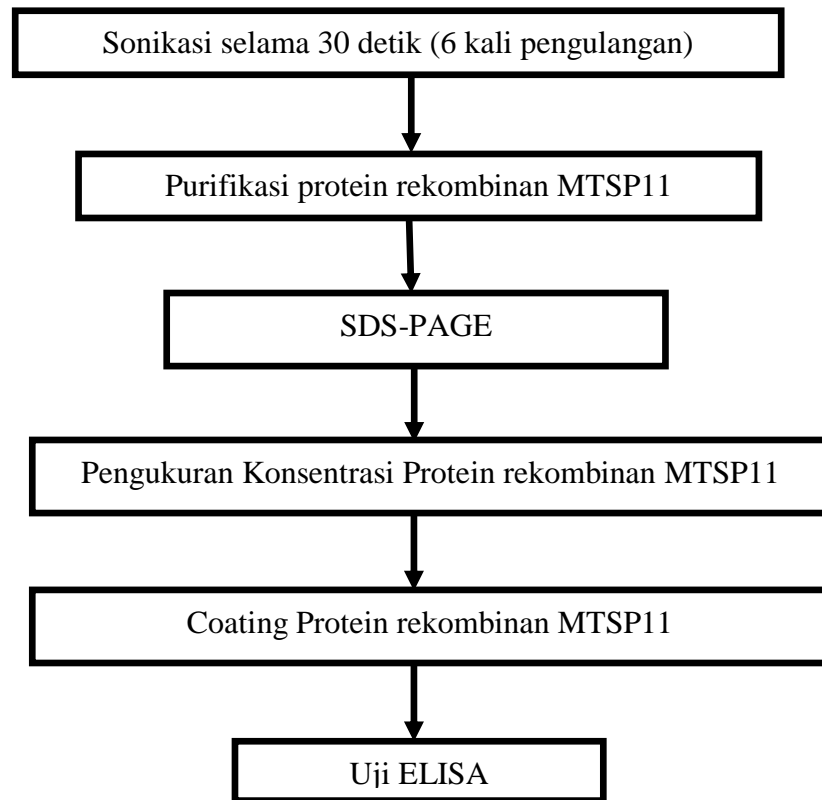
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Lampiran 1. Skema Kerja





Lampiran 2. Komposisi Pembuatan Media

Tabel 8. Komposisi Media Luria Bertani (LB)

Komposisi	Volume
NaCl	1 g
Bacto trypton	1 g
Bacto agar	1,5 g
Bacto yeast	0,5 g
Aquadest	100 ml

Tabel 9. Komposisi 1,5 M Tris HCL pH 8,8

Komposisi	Volume
Tri base	13,62 g
H ₂ O	100 ml

Adjust HCL to pH 8,8. Cukupkan sampai 100 ml

Tabel 10. Komposisi 0,5 M Tris HCL pH 6,8

Komposisi	Volume
Tri base	6,05 g
H ₂ O	100 ml

Adjust HCL to pH 6,8. Cukupkan sampai 100 ml

Tabel 11. Komposisi SDS (*Sodium dedocylsulfate*) 10%

Komposisi	Volume
SDS (<i>Sodium dedocylsulfate</i>)	5 g
H ₂ O	50 ml

Tabel 12. Komposisi Elektroforesis Buffer 10X

Komposisi	Volume
Glisin	144 g
Tris base	228 g
SDS (<i>Sodium dedocylsulfate</i>)	75 g
H ₂ O	1 L

Lampiran 3. Bahan



Trypton



Yeast extract



Tris base



Aquadest



Ni-NTA Spin Kit



Commasie
Brilliant blue



Akrilamid 40%



Amonium
persulfat



IPTG



TEMED



SDS



Glisin



Tris HCl
pH 6.8



Tris HCl
pH 8.8



Reference
standard & sample
diluen



HRP conjugate
diluen



Substrate reagent



Stop solution



Biotin



OT Standard



Blocking solution



Coating buffer

Lampiran 4. Alat



Timbangan



Timbangan



Sentrifugasi



Mikropipet



Tip (multi guard)



Sonikator



Elektroforesis
(Biorad)



Waterbath



Autoklaf



Elisa Reader



pH meter



Shaker incubator
(Heidolph)

Lampiran 5. Prosedur Kerja



Proses penimbangan bahan



Proses kultur ulang bakteri *E.coli* BL21



Proses Sonikasi



Proses Purifikasi Protein



Proses SDS-PAGE



Coating protein MTSP1

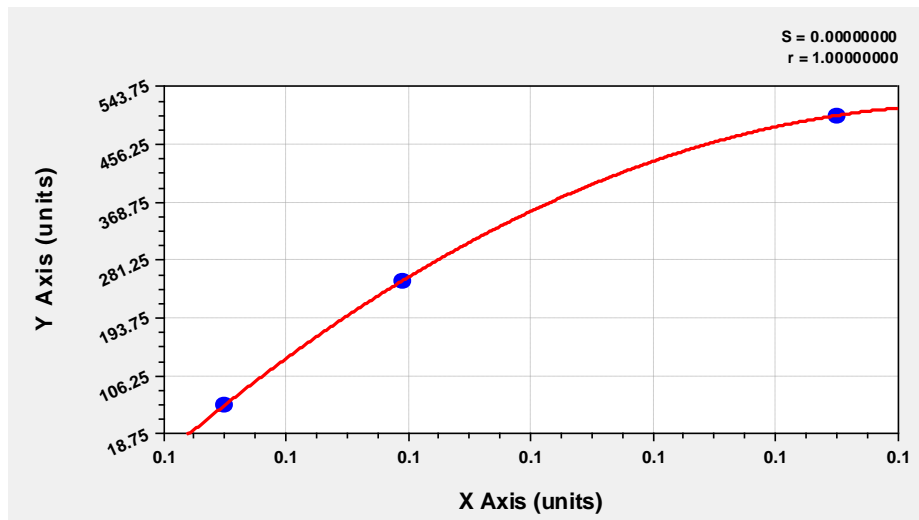


Proses ELISA



Pembacaan hasil ELISA
pada ELISA reader

Lampiran 6. Grafik konsentrasi BSA sebagai standar



Kurva standar BSA

Quadratic Fit: $y=a+bx+cx^2$

Coefficient Data:

a =	-1.15E+04
b =	2.48E+05
c =	-1.28E+06

One-Sample Test

	Test Value = 0				
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference
					Lower
Kelompok sampel	19.718	27	.000	1.7143	1.536
Smtl13	3.455	27	.002	65.3571	26.542

One-Sample Test

	Test Value = 0
	95% Confidence Interval of the Difference
	Upper
Kelompok sampel	1.893
Smtl13	104.172

Lampiran 8. Titik Persentase Distribusi t (df = 1 - 31)

df	Pr	0.25	0.10	0.05	0.025	0.01	0.005	0.001
		0.50	0.20	0.10	0.050	0.02	0.010	0.002
1		1.00000	3.07768	6.31375	12.70620	31.82052	63.65674	318.30884
2		0.81650	1.88562	2.91999	4.30265	6.96456	9.92484	22.32712
3		0.76489	1.63774	2.35336	3.18245	4.54070	5.84091	10.21453
4		0.74070	1.53321	2.13185	2.77645	3.74695	4.60409	7.17318
5		0.72669	1.47588	2.01505	2.57058	3.36493	4.03214	5.89343
6		0.71756	1.43976	1.94318	2.44691	3.14267	3.70743	5.20763
7		0.71114	1.41492	1.89458	2.36462	2.99795	3.49948	4.78529
8		0.70639	1.39682	1.85955	2.30600	2.89646	3.35539	4.50079
9		0.70272	1.38303	1.83311	2.26216	2.82144	3.24984	4.29681
10		0.69981	1.37218	1.81246	2.22814	2.76377	3.16927	4.14370
11		0.69745	1.36343	1.79588	2.20099	2.71808	3.10581	4.02470
12		0.69548	1.35622	1.78229	2.17881	2.68100	3.05454	3.92963
13		0.69383	1.35017	1.77093	2.16037	2.65031	3.01228	3.85198
14		0.69242	1.34503	1.76131	2.14479	2.62449	2.97684	3.78739
15		0.69120	1.34061	1.75305	2.13145	2.60248	2.94671	3.73283
16		0.69013	1.33676	1.74588	2.11991	2.58349	2.92078	3.68615
17		0.68920	1.33338	1.73961	2.10982	2.56693	2.89823	3.64577
18		0.68836	1.33039	1.73406	2.10092	2.55238	2.87844	3.61048
19		0.68762	1.32773	1.72913	2.09302	2.53948	2.86093	3.57940
20		0.68695	1.32534	1.72472	2.08596	2.52798	2.84534	3.55181
21		0.68635	1.32319	1.72074	2.07961	2.51765	2.83136	3.52715
22		0.68581	1.32124	1.71714	2.07387	2.50832	2.81876	3.50499
23		0.68531	1.31946	1.71387	2.06866	2.49987	2.80734	3.48496
24		0.68485	1.31784	1.71088	2.06390	2.49216	2.79694	3.46678
25		0.68443	1.31635	1.70814	2.05954	2.48511	2.78744	3.45019
26		0.68404	1.31497	1.70562	2.05553	2.47863	2.77871	3.43500
27		0.68368	1.31370	1.70329	2.05183	2.47266	2.77068	3.42103
28		0.68335	1.31253	1.70113	2.04841	2.46714	2.76326	3.40816
29		0.68304	1.31143	1.69913	2.04523	2.46202	2.75639	3.39624
30		0.68276	1.31042	1.69726	2.04227	2.45726	2.75000	3.38518
31		0.68249	1.30946	1.69552	2.03951	2.45282	2.74404	3.37490

Lampiran 9. Titik Persentase Distribusi F untuk Probabilita = 0,05

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	161	199	216	225	230	234	237	239	241	242	243	244	245	246	246
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.39	19.40	19.40	19.41	19.42	19.43
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.76	8.74	8.73	8.71	8.70
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.94	5.91	5.89	5.87	5.86
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.70	4.68	4.66	4.64	4.62
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.03	4.00	3.98	3.96	3.94
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.60	3.57	3.55	3.53	3.51
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.31	3.28	3.26	3.24	3.22
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.10	3.07	3.05	3.03	3.01
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.94	2.91	2.89	2.86	2.85
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.82	2.79	2.76	2.74	2.72
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.72	2.69	2.66	2.64	2.62
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.63	2.60	2.58	2.55	2.53
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.57	2.53	2.51	2.48	2.46
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.51	2.48	2.45	2.42	2.40
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.46	2.42	2.40	2.37	2.35
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.41	2.38	2.35	2.33	2.31
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.37	2.34	2.31	2.29	2.27
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.34	2.31	2.28	2.26	2.23
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.31	2.28	2.25	2.22	2.20
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.28	2.25	2.22	2.20	2.18
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.26	2.23	2.20	2.17	2.15
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.24	2.20	2.18	2.15	2.13
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.22	2.18	2.15	2.13	2.11
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.20	2.16	2.14	2.11	2.09
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.18	2.15	2.12	2.09	2.07
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20	2.17	2.13	2.10	2.08	2.06

