Perpustakaan Unika

LAMPIRAN

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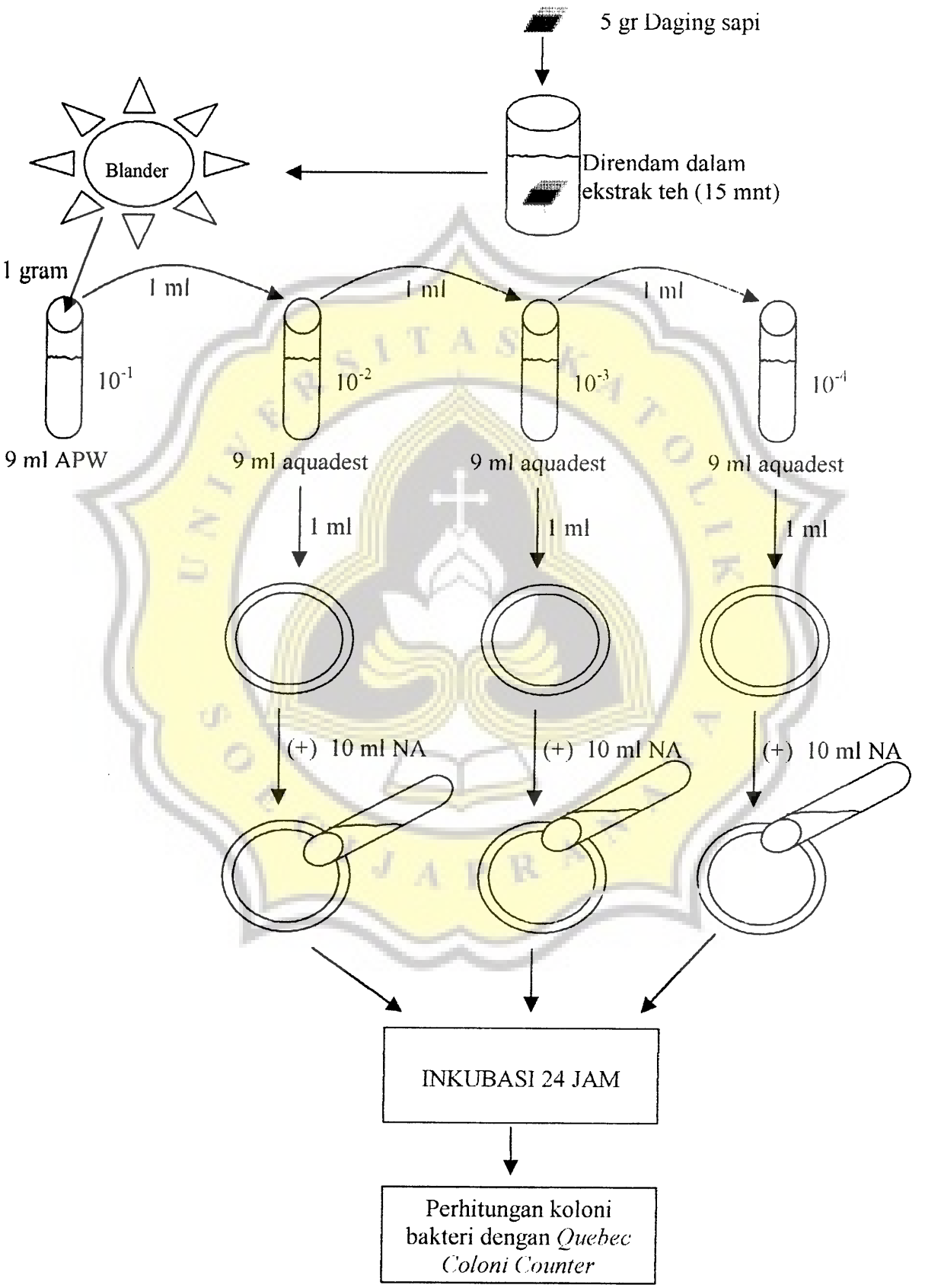
Lampiran 2. Diagram alir proses analisis mikrobiologis



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Lampiran 3. Data mentah hasil penelitian

Jenis Teh	Komposisi Ekstraksi Teh (b/v)	Ulangan	Tingkat pengenceran	Jumlah koloni	
				Percobaan 1	Percobaan 2
Daun teh segar	1:3	1	10^{-2}	37	38
			10^{-3}	5	7
			10^{-4}	0	1
		2	10^{-2}	31	43
			10^{-3}	2	3
			10^{-4}	0	0
	1:5	1	10^{-2}	46	44
			10^{-3}	8	13
			10^{-4}	0	2
		2	10^{-2}	43	91
			10^{-3}	5	6
			10^{-4}	0	0
	1:10	1	10^{-2}	52	63
			10^{-3}	6	8
			10^{-4}	0	1
		2	10^{-2}	49	66
			10^{-3}	9	10
			10^{-4}	0	5
Teh hijau	1:3	1	10^{-2}	55	65
			10^{-3}	8	15
			10^{-4}	0	7
		2	10^{-2}	58	61
			10^{-3}	7	11
			10^{-4}	0	6
	1:5	1	10^{-2}	64	74
			10^{-3}	9	22
			10^{-4}	0	11
		2	10^{-2}	69	69
			10^{-3}	9	19
			10^{-4}	0	8
	1:10	1	10^{-2}	70	80
			10^{-3}	13	24
			10^{-4}	0	13
		2	10^{-2}	77	77
			10^{-3}	17	21
			10^{-4}	0	10
Teh wangi	1:3	1	10^{-2}	81	92
			10^{-3}	19	29
			10^{-4}	2	16
		2	10^{-2}	86	96
			10^{-3}	21	24

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			10^{-4}	5	11
	1:5	1	10^{-2}	89	97
			10^{-3}	20	30
			10^{-4}	7	18
		2	10^{-2}	90	101
			10^{-3}	23	27
			10^{-4}	7	15
	1:10	1	10^{-2}	105	109
			10^{-3}	22	31
			10^{-4}	10	20
		2	10^{-2}	97	105
			10^{-3}	22	29
			10^{-4}	7	18
Teh hitam	1:3	1	10^{-2}	175	108
			10^{-3}	25	31
			10^{-4}	14	24
		2	10^{-2}	168	112
			10^{-3}	24	35
			10^{-4}	10	21
	1:5	1	10^{-2}	181	112
			10^{-3}	27	35
			10^{-4}	11	25
		2	10^{-2}	177	117
			10^{-3}	25	35
			10^{-4}	0	26
	1:10	1	10^{-2}	199	120
			10^{-3}	29	38
			10^{-4}	17	28
		2	10^{-2}	191	125
			10^{-3}	28	35
			10^{-4}	13	24
Blanko	-	1	10^{-2}	257	166
			10^{-3}	37	44
			10^{-4}	15	29
		2	10^{-2}	261	157
			10^{-3}	31	41
			10^{-4}	8	29

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Lampiran 4. Data jumlah bakteri dalam satuan CFU/g

Jenis Teh	Komposisi Ekstraksi Teh (b/v)	Ulangan	Jumlah bakteri		Rata-rata Jumlah bakteri	
			1	2	1	2
Daun teh segar	1:3	1	3700	3800	3400	4100
		2	3100	4300		
	1:5	1	4600	4400	4500	6300
		2	4300	8100		
	1:10	1	5200	6300	6000	6400
		2	4900	6600		
Teh hijau	1:3	1	5500	6800	5700	6500
		2	5800	6100		
	1:5	1	6400	7400	6700	7200
		2	6900	6900		
	1:10	1	7000	8000	7400	7900
		2	7700	7700		
Teh wangi	1:3	1	8100	9200	8400	9400
		2	8600	9600		
	1:5	1	8900	9700	9000	9900
		2	9000	10100		
	1:10	1	10500	10900	10000	10700
		2	9700	10500		
Teh hitam	1:3	1	17500	10800	17000	11000
		2	16800	11200		
	1:5	1	18100	11200	18000	11500
		2	17700	11700		
	1:10	1	19900	12000	19000	12300
		2	19100	12500		
Blanko	-	1	32000	30000	31000	29000
		2	29000	28000		

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Lampiran 5. Data jumlah bakteri dalam satuan log CFU/g

Jenis Teh	Komposisi Ekstraksi Teh (b/v)	Jumlah bakteri	
		1	2
Daun teh segar	1:3	3,551	3,613
	1:5	3,653	3,799
	1:10	3,778	3,806
Teh hijau	1:3	3,756	3,813
	1:5	3,826	3,857
	1:10	3,869	3,898
Teh wangi	1:3	3,924	3,973
	1:5	3,954	3,996
	1:10	4	4,029
Teh hitam	1:3	4,230	4,041
	1:5	4,255	4,061
	1:10	4,279	4,090
Blanko	-	4,491	4,462

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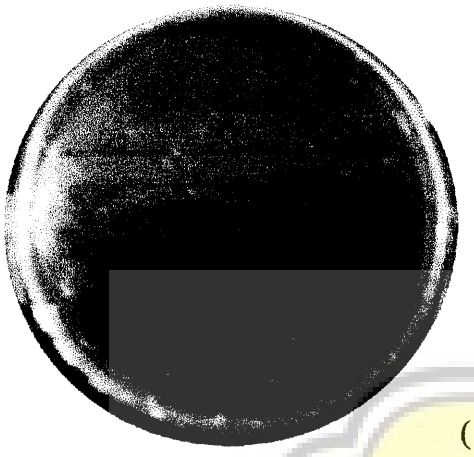
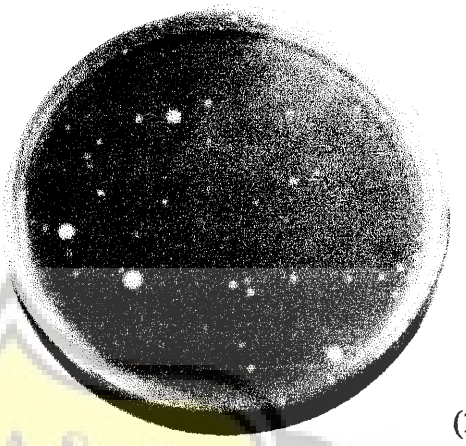
Lampiran 6. Gambar koloni bakteri daging sapi dalam cawan petri

Daun teh segar (1:3 b/v)



(1)



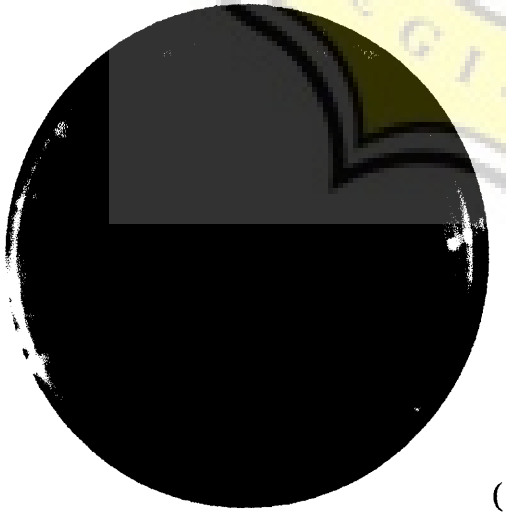
(2)

Daun teh segar (1:5 b/v)

(1)

(2)

Daun teh segar (1:10 b/v)



(1)

(2)

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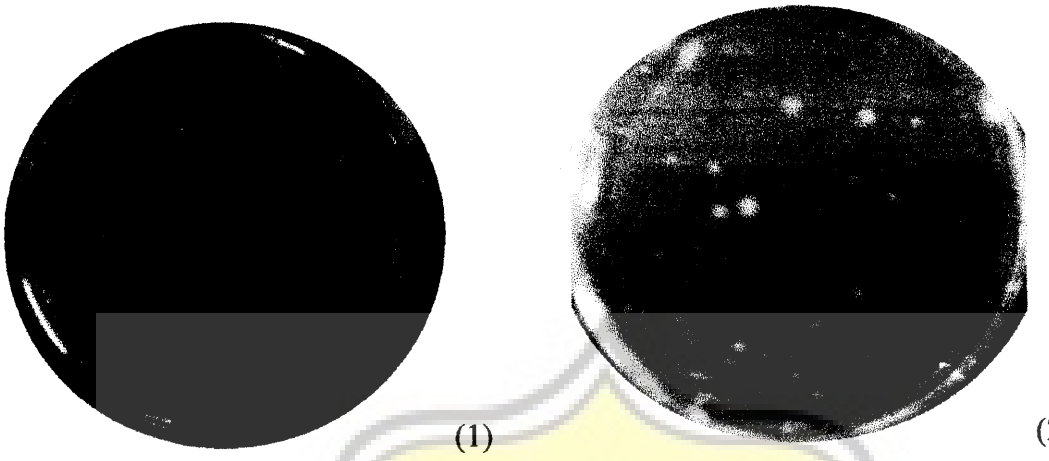
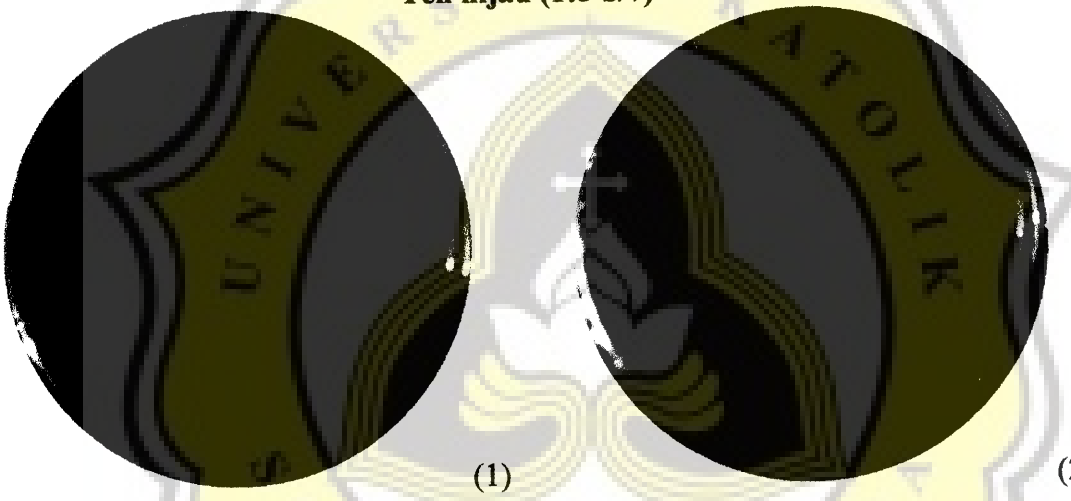
Teh hijau (1:3 b/v)



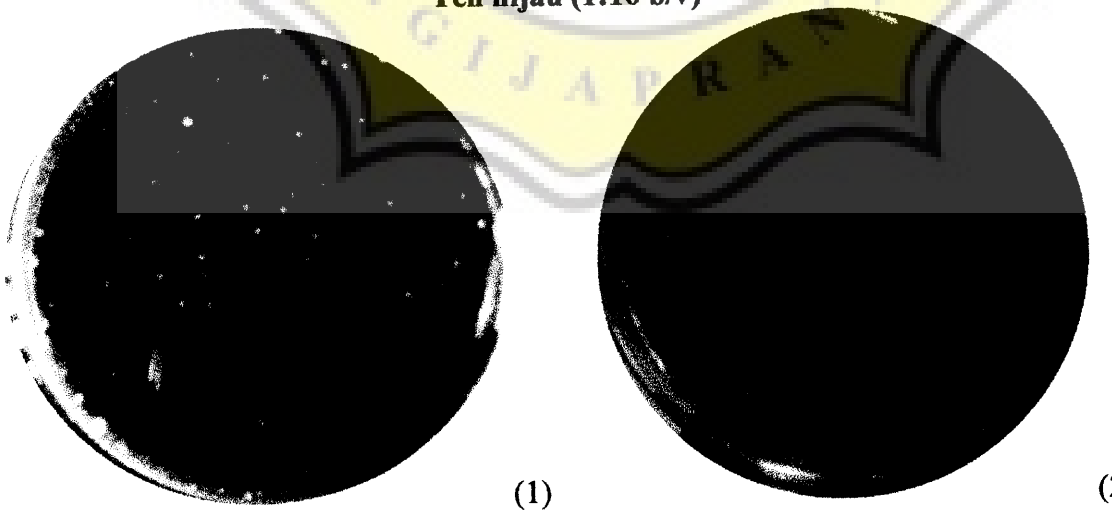
(1) (2)

Teh hijau (1:5 b/v)



(1) (2)

Teh hijau (1:10 b/v)



(1) (2)

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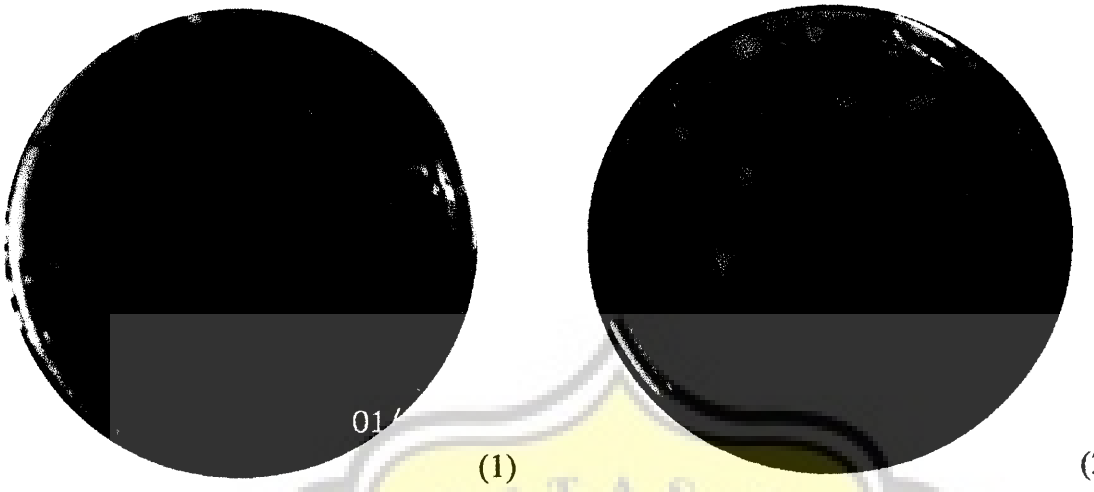
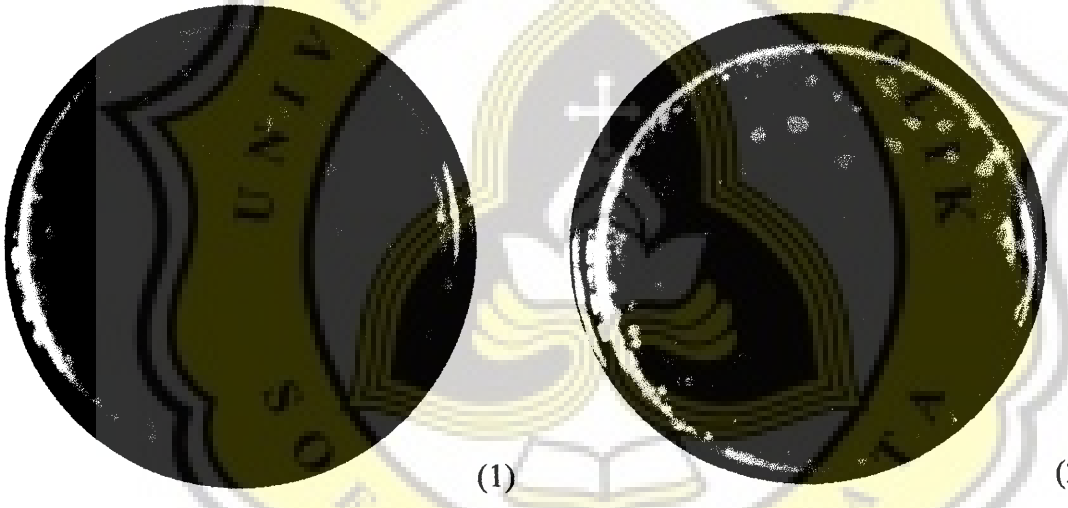
Teh wangi (1:3 b/v)



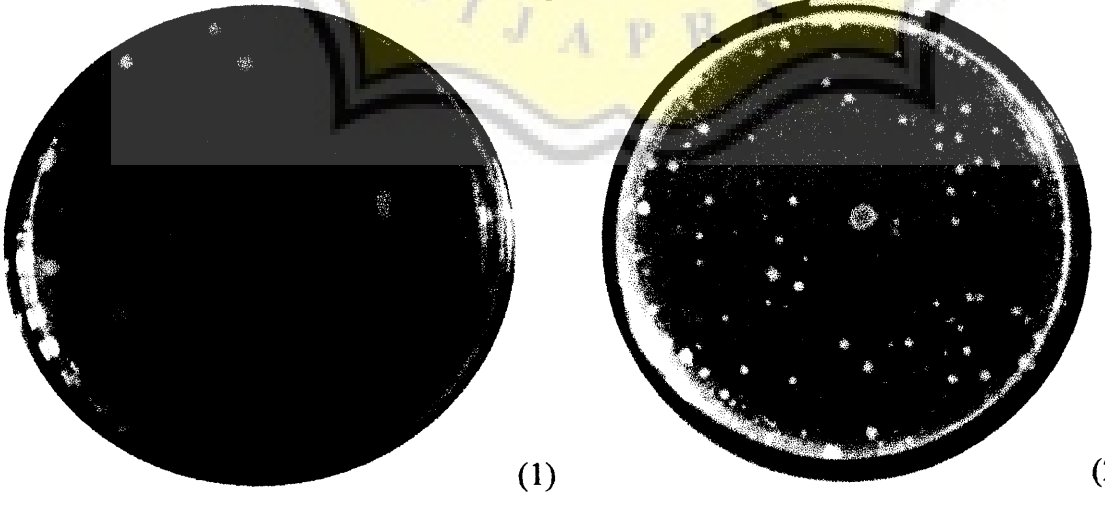
(1) (2)

Teh wangi (1:5 b/v)



(1) (2)

Teh wangi (1:10 b/v)



(1) (2)

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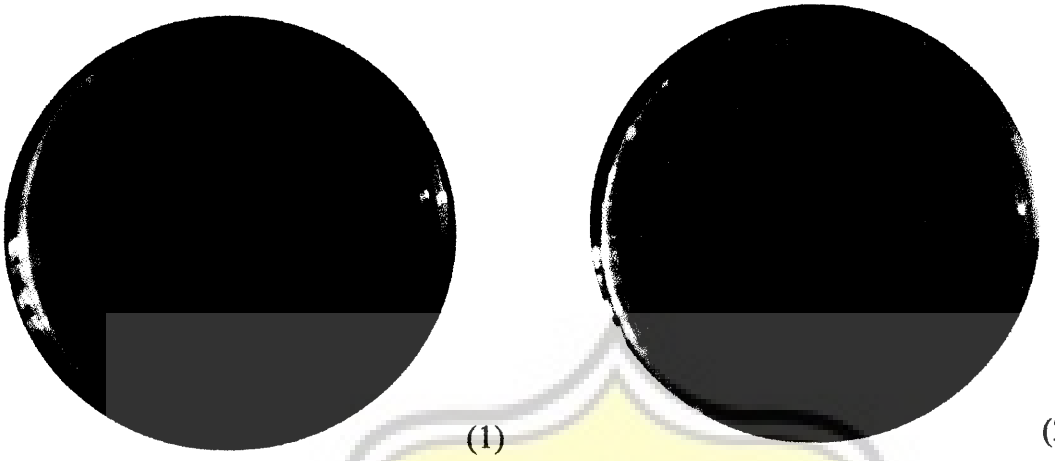
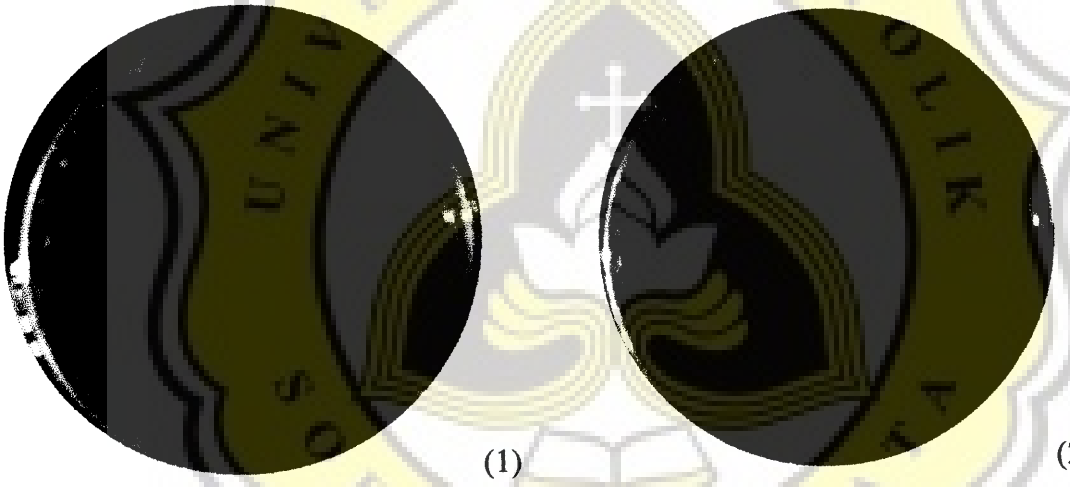
Teh hitam (1:3 b/v)



(1) (2)

Teh hitam (1:5 b/v)



(1) (2)

Teh hitam (1:10 b/v)

(1) (2)

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Blanko

(1)

(2)

Lampiran 7. Analisa data dengan piranti lunak SPSS *for wondows* 11.5

Univariate Analysis of Variance

Descriptive Statistics

Dependent Variable: JML_KOL

KOMP_EKS	TEH	Mean	Std. Deviation	N
Daun teh segar (1:3)	daun teh segar	3,5685	,05859	4
	Total	3,5685	,05859	4
Daun teh segar (1:5)	daun teh segar	3,7121	,13151	4
	Total	3,7121	,13151	4
Daun teh segar (1:10)	daun teh segar	3,7563	,06281	4
	Total	3,7563	,06281	4
Teh hijau (1:3)	teh hijau	3,7804	,03927	4
	Total	3,7804	,03927	4
Teh hijau (1:5)	teh hijau	3,8383	,02573	4
	Total	3,8383	,02573	4
Teh hijau (1:10)	teh hijau	3,8803	,02474	4
	Total	3,8803	,02474	4
Teh wangi (1:3)	teh wangi	3,9470	,03232	4
	Total	3,9470	,03232	4
Teh wangi (1:5)	teh wangi	3,9737	,02632	4
	Total	3,9737	,02632	4
Teh wangi (1:10)	teh wangi	4,0167	,02132	4
	Total	4,0167	,02132	4
Teh hitam (1:3)	teh hitam	4,1377	,11176	4
	Total	4,1377	,11176	4
Teh hitam (1:5)	teh hitam	4,1558	,11243	4
	Total	4,1558	,11243	4
Teh hitam (1:10)	teh hitam	4,1890	,11702	4
	Total	4,1890	,11702	4
kontrol	kontrol	4,4730	,02467	4
	Total	4,4730	,02467	4
Total	daun teh segar	3,6789	,11721	12
	teh hijau	3,8330	,05097	12
	teh wangi	3,9791	,03867	12
	teh hitam	4,1608	,10526	12
	kontrol	4,4730	,02467	4
	Total	3,9560	,24260	52

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Tests of Between-Subjects Effects

Dependent Variable: JML_KOL

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2,794[a]	12	,233	43,796	,000
Intercept	781,244	1	781,244	146945,1	,000
KOMP_EKS	,113	8	1,407E-02	2,646	,020
TEH	,000	0	,	,	,
Error	,207	39	5,317E-03		
Total	816,816	52			
Corrected Total	3,001	51			

a. R Squared = ,931 (Adjusted R Squared = ,910)

Post Hoc Tests
KOMP_EKS
Homogeneous Subsets

JML_KOL

Duncan [a,b]

KOMP_EKS	N	Subset								
		1	2	3	4	5	6	7	8	9
Daun teh segar (1:3)	4	3,5685								
Daun teh segar (1:5)	4		3,7121							
Daun teh segar (1:10)	4		3,7563	3,7563						
Teh hijau (1:3)	4		3,7804	3,7804	3,7804					
Teh hijau (1:5)	4			3,8383	3,8383	3,8383				
Teh hijau (1:10)	4				3,8803	3,8803	3,8803			
Teh wangi (1:3)	4					3,9470	3,9470	3,9470		
Teh wangi (1:5)	4						3,9737	3,9737		
Teh wangi (1:10)	4							4,0167		
Teh hitam (1:3)	4								4,1377	
Teh hitam (1:5)	4								4,1558	
Teh hitam (1:10)	4								4,1890	
kontrol	4									4,4730
Sig.		1,000	,219	,141	,074	,052	,094	,210	,356	1,000

Means for groups in homogeneous subsets are displayed.
Based on Type III Sum of Squares
The error term is Mean Square(Error) = 5,317E-03.

a. Uses Harmonic Mean Sample Size = 4,000.

b. Alpha = ,05.

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TEH
Homogeneous Subsets

JML_KOL

Duncan[a,b,c]

TEH	N	Subset 1	2	3	4	5
daun teh segar	12	3,6789				
teh hijau	12		3,8330			
teh wangi	12			3,9791		
teh hitam	12				4,1608	
kontrol	4					4,4730
Sig.		1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.
Based on Type III Sum of Squares
The error term is Mean Square(Error) = 5,317E-03.

a. Uses Harmonic Mean Sample Size = 8,571.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

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