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LAMPIRAN

Lampiran I. Analisis Kadar Air

Cawan porselen yang sudah dioven pada suhu 110oC selama 1 jam ditimbang. Kemudian bahan sebanyak 2 g dimasukkan ke dalam cawan porselen yang telah ditimbang. Setelah itu dipanaskan dengan oven pada suhu $110^{o}C$ selama 2 jam. Kemudian cawan dipindahkan ke desikator selama 30 menit. Setelah dingin, cawan ditimbang dan dicatat beratnya.timbang cawan berisi bahan kering tertutup penutup cawan. Setelah penimbangan, cawan berisi bahan beserta tutupnya dikeringkan kembali ke dalam oven hingga diperoleh berat konstan dari cawan berisi bahan beserta tutupnya.

Contoh Perhitungan:

$$\% \text{ kadar air} = \frac{c-a}{(b-a)} \text{x} 100\%$$

$$= \frac{11,6799 - 9,7886}{(11,7902 - 9,7886)} \text{x} 100\%$$

$$= \frac{0,1103}{2,0016} \text{x} 100\%$$

$$= 5,51\%$$

Keterangan:

a = berat konstan cawan kosong.

b = berat cawan berisi bahan kering sebelum di oven.

c = berat konstan cawan berisi bahan kering sesudah di oven.

Lampiran II. Analisis Kadar Abu Metode dry Ashing

Prinsip penetapan kadar abu dilakukan dengan cara pengabuan sampel pada suhu 550-600°C, sehingga bahan organik yang ada pada sampel menjadi CO_2 dan logam menjadi oksida logamnya. Penetapan kadar abu dilakukan dengan cara, Menimbangan sampel lalu dimasukkan kedalam cawan porselen yang sudah terlebih dahulu dikonstankan. Setelah itu cawan yang berisi sampel dimasukkan

kedalam tanur. Mula-mula sampel diabukan pada suhu 300°C selama 1,5 jam dan selanjutnya pada suhu 600°C selama 2,5 jam, kemudian tanur dimatikan dan dibiarkan selama satu malam. Cawan kemudian diambil dan didinginkan didalam desikator lalu ditimbang hingga diproleh berat abu yang dihasilkan. Perhitungan kadar abu dapat dihitung dengan rumus berikut:

Contoh Perhitungan:

$$\% \text{ kadar abu} = \frac{c-a}{(b-a)} \text{x}100\% = \frac{22,3169-22,2795}{(24,3038-22,2795)} \text{x}100\%$$

$$= \frac{0,0374}{2,0243} \text{x}100\% = 1,85\%$$

Keterangan:

a = berat konstan cawan kosong.

b = berat cawan berisi bahan kering sebelum di oven.

c = berat konstan cawan berisi bahan kering sesudah di oven.

Lampiran III. Analisis Total Flavonoid

Sebanyak 10 g sampel ditambah air panas kemudian dididihkan selama 5 menit dan disaring. Kedalam 5 ml filtrat ditambahkan 0,1 g serbuk magnesium dan 1 ml asam klorida pekat, dan 1 ml amil alkohol, dikocok dan dibiarkan memisah. Flavonoid positif ditandai dengan munculnya warna merah kekuningan, atau jingga pada lapisan amil alkohol.

Tabel 1. Kurva Standart Kadar Flavonoid

S0	0,000
S1	0,160
S2	0,210
S3	0,308
S4	0,369
S5	0,474
S6	0,709
S7	0,760
S8	0,773
S9	0,882
S10	0,995

Contoh Perhitungan :

$$= \frac{\text{konsentrasi sampe x volume sampel x faktor pengenceran}}{\text{berat sampel}} x 100\%$$

$$= \frac{0,2496 \text{ x } 1 \text{ x } 25}{2,5334} \text{x} 100\% = 2,46\%$$

Lampiran IV. Analisis Total Tanin

Dimbang sampel 5 gr yg sudah ditumbuk atau dihaluskan, Tambahkan aquadest sampai volume tertentu misal 100ml. Gojog hingga homogen kemudian di saring atau di centrifuge. Ambil 1 ml larutan jernih,tambanhkan O.5ml follin denis (follin 1: 1). kemudian tambahkan Iml larutan NaCO jenuh. Tambahkan aquadest sampai volume 10 ml.kemudian vortek larutan hingga homogen. Baca absorbansi sampel dengan menggunakan spektrofotometer pada panjang

gelombang 730 nill. Catat data yang diperoleh kemudian hitung dengan menggunakan kurva standar.

Tabel 2. Kurva Standart Kadar Tanin

S0	0,000
S1	0,121
S2	0,198
S3	0,314
S4	0,432
S5	0,540
S6	0,664
S7	0,733
S8	0,816
S9	0,914
S10	1,050

Contoh Perhitungan :

$$= \frac{\text{konsentrasi sampe x volume sampel x faktor pengenceran}}{\text{berat sampel}} x100\%$$

$$= \frac{0,4422 \text{ x } 1 \text{ x } 25}{2,5434} \text{x}100\% = 4,35\%$$

Lampiran V. Analisis Padatan Air Seduhan

Pengukuran jumlah padatan terlarut atau Total Dissolved Solid (TDS) dilakukan dengan menggunakan alat TDS Meter (Lutron YK 22CT, Taiwan). Pertama-tama alat dinyalakan dengan menekan tombol power. Setelah itu alat dicelupkan ke dalam air sampai pada batas elektroda lalu ditekan tombol CAL/MEAS untuk memulai pengukuran. Kemudian ditunggu angka stabil dari

TDS Meter dan dicatat nilai TDS yang muncul pada layar. Pengukuran TDS dilakukan pengulangan hingga 3 kali sampai pada sampel terakhir.

Contoh Perhitungan:

$$= \frac{\text{Jumlah Data}}{\text{Banyak Data}}$$

$$= \frac{45,6}{2} = 22,8$$

Lampiran VI. Uji Antioksidan Metode DPPH

1. Timbang sampel gram, larutkan menggunakan methanol 10 mL.

2. Ambil 1 mL larutan induk, masukkan pada tabung reaksi. Ditambahkan 1 mL larutan DPPH 200 Mikro molar, inkubasikan pada ruang gelap selama 30 menit.

3. Encerkan hingga 5 mL menggunakan methanol. Buat blanko (1 ml larutan DPPH – 4 mL methanol). Dimana tera pada panjang gelombang ialah 517 Nm.

Perhitungan aktivitas antioksidan dengan rumus berikut:

Rumus:

$$\text{Antioksidan \%} = \frac{absorbasi\ blanko - absorbansi\ sampel}{absorbansi\ blanko} x 100\%$$

Contoh Perhitungan:

$$\text{Antioksidan \%} = \frac{absorbasi\ blanko - absorbansi\ sampel}{absorbansi\ blanko} x 100\%$$

$$= \frac{0,446 - 0,214}{0,446} x 100\%$$

$$= 52,01\%$$

Lampiran VII. Uji Organoleptik sesudah di seduh (Warna, Bau dan Rasa)

Nama   :   Hari/Tanggal:

NIM   :   Tanda Tangan:

Di hadapan saudara terdapat 12 sampel teh herbal yang sudah di seduh memiliki kode yang berbeda. Saudara diminta untuk memberi penilaian, kesukaan warna dengan cara melihat, kesukaan bau dengan cara mencium dan kesukaan rasa dengan cara mencicipi. Lalu memberikan penilaian 1-7.

Kode Sampel	Warna	Bau	Rasa
432			
574			
308			
135			
643			
973			
739			
806			
438			
385			
291			
504			

Komentar:

....

....

....

Keterangan :   1= Sangat tidak suka   5= Agak suka

2= Tidak suka   6= Suka

3= Agak tidak suka   7= Sangat suka

4= Netral

Lampiran VIII. Dokumentasi Penelitian

Tabel 3. Dokumentasi Penelitian

Persiapan Daun Kelapa Sawit	
Persiapan Jahe Instan	
Kadar Air	
Kadar Abu	
Antioksidan	

Flavonoid	
Tanin	
Total Padatan Terlarut	
Uji Kesukaan	

Lampiran IX Data SPSS

1. Kadar Air

Between-Subjects Factors

		Value Label	N
PERBANDINGAN DAUN	1.00	DAUN MUDA	6
	2.00	DAUN TUA	6
	3.00	DAUN CAMPUR	6
PERBANDINGAN_JAHE	1.00	10%	6
	2.00	20%	6
	3.00	30%	6

Descriptive Statistics

Dependent Variable: KADAR AIR

PERBANDINGAN DAUN	PERBANDINGAN _JAHE	Mean	Std. Deviation	N
DAUN MUDA	10%	5.0700	.01414	2
	20%	5.1550	.03536	2
	30%	5.2400	.05657	2
	Total	5.1550	.08191	6
DAUN TUA	10%	3.9750	.03536	2
	20%	4.2100	.08485	2
	30%	4.3650	.00707	2
	Total	4.1833	.18041	6
DAUN CAMPUR	10%	4.4100	.07071	2
	20%	4.6400	.32527	2
	30%	4.8750	.06364	2
	Total	4.6417	.25733	6
Total	10%	4.4850	.49444	6
	20%	4.6683	.44937	6
	30%	4.8267	.39495	6
	Total	4.6600	.44476	18

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
KADAR AIR	Based on Mean	70967306102777703000 0000000000.000	8	9	.000
	Based on Median	70967306102777703000 0000000000.000	8	9	.000
	Based on Median and with adjusted df	70967306102777703000 0000000000.000	8	3.000	.000
	Based on trimmed mean	17741826525694257000 0000000000.000	8	9	.000

Multiple Comparisons

Dependent Variable: KADAR AIR

	(I) PERBANDINGAN DAUN	(J) PERBANDINGAN DAUN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
LSD	DAUN MUDA	DAUN TUA	.9717*	.06885	.000	.8159	1.1274
		DAUN CAMPUR	.5133*	.06885	.000	.3576	.6691
	DAUN TUA	DAUN MUDA	-.9717*	.06885	.000	-1.1274	-.8159
		DAUN CAMPUR	-.4583*	.06885	.000	-.6141	-.3026
	DAUN CAMPUR	DAUN MUDA	-.5133*	.06885	.000	-.6691	-.3576
		DAUN TUA	.4583*	.06885	.000	.3026	.6141

Multiple Comparisons

Dependent Variable: KADAR AIR

	(I) PERBANDINGAN _JAHE	(J) PERBANDINGAN _JAHE	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
LSD	10%	20%	-.1833*	.06885	.026	-.3391	-.0276
		30%	-.3417*	.06885	.001	-.4974	-.1859
	20%	10%	.1833*	.06885	.026	.0276	.3391
		30%	-.1583*	.06885	.047	-.3141	-.0026
	30%	10%	.3417*	.06885	.001	.1859	.4974
		20%	.1583*	.06885	.047	.0026	.3141

Homogeneous Subsets

KADAR AIR

	PERBANDINGAN _JAHE	N	Subset 1	Subset 2	Subset 3
Duncan[a,b]	10%	6	4.4850		
	20%	6		4.6683	
	30%	6			4.8267
	Sig.		1.000	1.000	1.000

Tests of Between-Subjects Effects

Dependent Variable: KADAR AIR

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	3.235[a]	8	.404	28.431	.000
Intercept	390.881	1	390.881	27483.806	.000
PERBANDINGAN_DAUN	2.835	2	1.418	99.683	.000
PERBANIDINGAN_JAHE	.351	2	.175	12.334	.003
PERBANDINGAN_DAUN * PERBANIDINGAN_JAHE	.049	4	.012	.853	.527
Error	.128	9	.014		
Total	394.244	18			
Corrected Total	3.363	17			

KADAR AIR

	PERBANDINGAN DAUN	N	Subset 1	Subset 2	Subset 3
Duncan[a,b]	DAUN TUA	6	4.1833		
	DAUN CAMPUR	6		4.6417	
	DAUN MUDA	6			5.1550
	Sig.		1.000	1.000	1.000

2. Kadar Abu

Between-Subjects Factors

		Value Label	N
PERBANDINGAN DAUN	1.00	DAUN MUDA	6
	2.00	DAUN TUA	6
	3.00	DAUN CAMPUR	6
PERBANDINGAN_JAHE	1.00	10%	6
	2.00	20%	6
	3.00	30%	6

Descriptive Statistics

Dependent Variable: KADAR ABU

PERBANDINGAN DAUN	PERBANDINGAN _JAHE	Mean	Std. Deviation	N
DAUN MUDA	10%	4.4750	.14849	2
	20%	4.5850	.04950	2
	30%	4.8250	.06364	2
	Total	4.6283	.17702	6
DAUN TUA	10%	5.1750	.00707	2
	20%	5.3350	.03536	2
	30%	5.5350	.06364	2
	Total	5.3483	.16461	6
DAUN CAMPUR	10%	4.7450	.00707	2
	20%	4.8300	.01414	2
	30%	4.9550	.02121	2
	Total	4.8433	.09522	6
Total	10%	4.7983	.32270	6
	20%	4.9167	.34320	6
	30%	5.1050	.34063	6
	Total	4.9400	.34100	18

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
KADAR ABU	Based on Mean	45381891488170730000000000000.000	8	9	.000
	Based on Median	45381891488170730000000000000.000	8	9	.000
	Based on Median and with adjusted df	45381891488170730000000000000.000	8	1.000	.000
	Based on trimmed mean	90763782976341470000000000000.000	8	9	.000

Tests of Between-Subjects Effects

Dependent Variable: KADAR ABU

Source	Type III Sum of Squares	Df	Mean Square	F	Sig.
Corrected Model	1.942[a]	8	.243	63.150	.000
Intercept	439.265	1	439.265	114259.630	.000
PERBANDINGAN_DAUN	1.639	2	.820	213.204	.000
PERBANIDINGAN_JAHE	.287	2	.144	37.331	.000
PERBANDINGAN_DAUN * PERBANIDINGAN_JAHE	.016	4	.004	1.032	.442
Error	.035	9	.004		
Total	441.242	18			
Corrected Total	1.977	17			

Multiple Comparisons

Dependent Variable: KADAR ABU

	(I) PERBANDINGAN DAUN	(J) PERBANDINGAN DAUN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
LSD	DAUN MUDA	DAUN TUA	-.7200*	.03580	.000	-.8010	-.6390
		DAUN CAMPUR	-.2150*	.03580	.000	-.2960	-.1340
	DAUN TUA	DAUN MUDA	.7200*	.03580	.000	.6390	.8010
		DAUN CAMPUR	.5050*	.03580	.000	.4240	.5860
	DAUN CAMPUR	DAUN MUDA	.2150*	.03580	.000	.1340	.2960
		DAUN TUA	-.5050*	.03580	.000	-.5860	-.4240

Homogeneous Subsets

KADAR ABU

	PERBANDINGAN DAUN	N	Subset 1	Subset 2	Subset 3
Duncan[a,b]	DAUN MUDA	6	4.6283		
	DAUN CAMPUR	6		4.8433	
	DAUN TUA	6			5.3483
	Sig.		1.000	1.000	1.000

Multiple Comparisons

Dependent Variable: KADAR ABU

	(I) PERBANDINGAN_JAHE	(J) PERBANDINGAN_JAHE	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
LSD	10%	20%	-.1183[*]	.03580	.009	-.1993	-.0374
		30%	-.3067[*]	.03580	.000	-.3876	-.2257
	20%	10%	.1183[*]	.03580	.009	.0374	.1993
		30%	-.1883[*]	.03580	.001	-.2693	-.1074
	30%	10%	.3067[*]	.03580	.000	.2257	.3876
		20%	.1883[*]	.03580	.001	.1074	.2693

KADAR ABU

	PERBANDINGAN_JAHE	N	Subset 1	Subset 2	Subset 3
Duncan[a,b]	10%	6	4.7983		
	20%	6		4.9167	
	30%	6			5.1050
	Sig.		1.000	1.000	1.000

3. Antioksidan

Between-Subjects Factors

		Value Label	N
PERBANDINGAN DAUN	1.00	DAUN MUDA	6
	2.00	DAUN TUA	6
	3.00	DAUN CAMPUR	6
PERBANDINGAN_JAHE	1.00	10%	6
	2.00	20%	6
	3.00	30%	6

Descriptive Statistics

Dependent Variable: ANTIOKSIDAN

PERBANDINGAN DAUN	PERBANDINGAN JAHE	Mean	Std. Deviation	N
DAUN MUDA	10%	54.7950	.75660	2
	20%	56.0200	.28284	2
	30%	58.5850	1.36472	2
	Total	56.4667	1.86963	6
DAUN TUA	10%	60.2600	.25456	2
	20%	61.1600	.07071	2
	30%	63.3800	2.75772	2
	Total	61.6000	1.89684	6
DAUN CAMPUR	10%	57.4700	.11314	2
	20%	59.0300	1.99404	2
	30%	61.0400	1.03238	2
	Total	59.1800	1.89035	6
Total	10%	57.5083	2.47066	6
	20%	58.7367	2.47947	6
	30%	61.0017	2.58958	6
	Total	59.0822	2.79152	18

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
ANTIOKSIDAN	Based on Mean	44410568363631900000000000000.000	8	9	.000
	Based on Median	44410568363631900000000000000.000	8	9	.000
	Based on Median and with adjusted df	44410568363631900000000000000.000	8	7.000	.000
	Based on trimmed mean	16361788344495964000000000000.000	8	9	.000

Tests of Between-Subjects Effects

Dependent Variable: ANTIOKSIDAN

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	117.230[a]	8	14.654	8.651	.002
Intercept	62832.762	1	62832.762	37095.008	.000
PERBANDINGAN_DAUN	79.139	2	39.570	23.361	.000
PERBANIDINGAN_JAHE	37.685	2	18.842	11.124	.004
PERBANDINGAN_DAUN * PERBANIDINGAN_JAHE	.405	4	.101	.060	.992
Error	15.244	9	1.694		
Total	62965.236	18			
Corrected Total	132.474	17			

Multiple Comparisons

Dependent Variable: ANTIOKSIDAN

	(I) PERBANDINGAN DAUN	(J) PERBANDINGAN DAUN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
LSD	DAUN MUDA	DAUN TUA	-5.1333*	.75141	.000	-6.8331	-3.4335
		DAUN CAMPUR	-2.7133*	.75141	.006	-4.4131	-1.0135
	DAUN TUA	DAUN MUDA	5.1333*	.75141	.000	3.4335	6.8331
		DAUN CAMPUR	2.4200*	.75141	.010	.7202	4.1198
	DAUN CAMPUR	DAUN MUDA	2.7133*	.75141	.006	1.0135	4.4131
		DAUN TUA	-2.4200*	.75141	.010	-4.1198	-.7202

Homogeneous Subsets

ANTIOKSIDAN

	PERBANDINGAN DAUN	N	Subset 1	Subset 2	Subset 3
Duncan[a,b]	DAUN MUDA	6	56.4667		
	DAUN CAMPUR	6		59.1800	
	DAUN TUA	6			61.6000
	Sig.		1.000	1.000	1.000

Multiple Comparisons

Dependent Variable: ANTIOKSIDAN

	(I) PERBANDINGAN_JAHE	(J) PERBANDINGAN_JAHE	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
LSD	10%	20%	-1.2283	.75141	.137	-2.9281	.4715
		30%	-3.4933*	.75141	.001	-5.1931	-1.7935
	20%	10%	1.2283	.75141	.137	-.4715	2.9281
		30%	-2.2650*	.75141	.015	-3.9648	-.5652
	30%	10%	3.4933*	.75141	.001	1.7935	5.1931
		20%	2.2650*	.75141	.015	.5652	3.9648

Homogeneous Subsets

ANTIOKSIDAN

	PERBANDINGAN_JAHE	N	Subset 1	Subset 2
Duncan[a,b]	10%	6	57.5083	
	20%	6	58.7367	
	30%	6		61.0017
	Sig.		.137	1.000

4. Kadar Flavonoid

Between-Subjects Factors

		Value Label	N
PERBANDINGAN DAUN	1.00	DAUN MUDA	6
	2.00	DAUN TUA	6
	3.00	DAUN CAMPUR	6
PERBANDINGAN_JAHE	1.00	10%	6
	2.00	20%	6
	3.00	30%	6

Descriptive Statistics

Dependent Variable: FLAVONOID

PERBANDINGAN DAUN	PERBANDINGAN _JAHE	Mean	Std. Deviation	N
DAUN MUDA	10%	2.6050	.20506	2
	20%	2.8250	.19092	2
	30%	3.2800	.07071	2
	Total	2.9033	.33393	6
DAUN TUA	10%	3.8300	.12728	2
	20%	4.0550	.00707	2
	30%	4.2000	.04243	2
	Total	4.0283	.17725	6
DAUN CAMPUR	10%	3.1700	.21213	2
	20%	3.4100	.21213	2
	30%	3.4600	.14142	2
	Total	3.3467	.20304	6
Total	10%	3.2017	.56690	6
	20%	3.4300	.56491	6
	30%	3.6467	.44221	6
	Total	3.4261	.52995	18

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
FLAVONOID	Based on Mean	18672493341361814 0000000000000.000	8	9	.000
	Based on Median	18672493341361814 0000000000000.000	8	9	.000
	Based on Median and with adjusted df	18672493341361814 0000000000000.000	8	3.000	.000
	Based on trimmed mean	37344986682723625 000000000000.000	8	9	.000

Tests of Between-Subjects Effects

Dependent Variable: FLAVONOID

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4.563[a]	8	.570	24.265	.000
Intercept	211.288	1	211.288	8988.865	.000
PERBANDINGAN_DAUN	3.854	2	1.927	81.974	.000
PERBANIDINGAN_JAHE	.594	2	.297	12.640	.002
PERBANDINGAN_DAUN * PERBANIDINGAN_JAHE	.115	4	.029	1.223	.366
Error	.212	9	.024		
Total	216.063	18			
Corrected Total	4.774	17			

Multiple Comparisons

Dependent Variable: FLAVONOID

	(I) PERBANDINGAN DAUN	(J) PERBANDINGAN DAUN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	DAUN MUDA	DAUN TUA	-1.1250*	.08852	.000	-1.3252	-.9248
		DAUN CAMPUR	-.4433*	.08852	.001	-.6436	-.2431
	DAUN TUA	DAUN MUDA	1.1250*	.08852	.000	.9248	1.3252
		DAUN CAMPUR	.6817*	.08852	.000	.4814	.8819
	DAUN CAMPUR	DAUN MUDA	.4433*	.08852	.001	.2431	.6436
		DAUN TUA	-.6817*	.08852	.000	-.8819	-.4814

Homogeneous Subsets

FLAVONOID

			Subset		
	PERBANDINGAN DAUN	N	1	2	3
Duncan[a,b]	DAUN MUDA	6	2.9033		
	DAUN CAMPUR	6		3.3467	
	DAUN TUA	6			4.0283
	Sig.		1.000	1.000	1.000

PERBANDINGAN_JAHE

Multiple Comparisons

Dependent Variable: FLAVONOID

	(I) PERBANDINGAN _JAHE	(J) PERBANDINGAN _JAHE	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	10%	20%	-.2283[*]	.08852	.030	-.4286	-.0281
		30%	-.4450[*]	.08852	.001	-.6452	-.2448
	20%	10%	.2283[*]	.08852	.030	.0281	.4286
		30%	-.2167[*]	.08852	.037	-.4169	-.0164
	30%	10%	.4450[*]	.08852	.001	.2448	.6452
		20%	.2167[*]	.08852	.037	.0164	.4169

Homogeneous Subsets

FLAVONOID

			Subset		
	PERBANDINGAN_JAHE	N	1	2	3
Duncan[a,b]	10%	6	3.2017		
	20%	6		3.4300	
	30%	6			3.6467
	Sig.		1.000	1.000	1.000

5. Kadar Tanin

Between-Subjects Factors

		Value Label	N
PERBANDINGAN DAUN	1.00	DAUN MUDA	6
	2.00	DAUN TUA	6
	3.00	DAUN CAMPUR	6
PERBANDINGAN_JAHE	1.00	10%	6
	2.00	20%	6
	3.00	30%	6

Descriptive Statistics

Dependent Variable: TANIN

PERBANDINGAN DAUN	PERBANDINGAN JAHE	Mean	Std. Deviation	N
DAUN MUDA	10%	4.0950	.07778	2
	20%	4.2650	.03536	2
	30%	5.0650	.77075	2
	Total	4.4750	.57871	6
DAUN TUA	10%	6.4450	.16263	2
	20%	6.8600	.07071	2
	30%	7.1650	.19092	2
	Total	6.8233	.34361	6
DAUN CAMPUR	10%	5.3700	.12728	2
	20%	5.5700	.04243	2
	30%	5.9750	.14849	2
	Total	5.6383	.28986	6
Total	10%	5.3033	1.05684	6
	20%	5.5650	1.16122	6
	30%	6.0683	1.00883	6
	Total	5.6456	1.06355	18

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
TANIN	Based on Mean	169263046395474600000000000000.000	8	9	.000
	Based on Median	169263046395474600000000000000.000	8	9	.000
	Based on Median and with adjusted df	169263046395474600000000000000.000	8	7.000	.000
	Based on trimmed mean	107712847706211100000000000000.000	8	9	.000

Tests of Between-Subjects Effects

Dependent Variable: TANIN

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	18.520[a]	8	2.315	29.374	.000
Intercept	573.701	1	573.701	7279.448	.000
PERBANDINGAN_DAUN	16.544	2	8.272	104.963	.000
PERBANIDINGAN_JAHE	1.814	2	.907	11.509	.003
PERBANDINGAN_DAUN * PERBANIDINGAN_JAHE	.162	4	.040	.513	.729
Error	.709	9	.079		
Total	592.931	18			
Corrected Total	19.229	17			

Multiple Comparisons

Dependent Variable: TANIN

	(I) PERBANDINGAN DAUN	(J) PERBANDINGAN DAUN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	DAUN MUDA	DAUN TUA	-2.3483[*]	.16208	.000	-2.7150	-1.9817
		DAUN CAMPUR	-1.1633[*]	.16208	.000	-1.5300	-.7967
	DAUN TUA	DAUN MUDA	2.3483[*]	.16208	.000	1.9817	2.7150
		DAUN CAMPUR	1.1850[*]	.16208	.000	.8183	1.5517
	DAUN CAMPUR	DAUN MUDA	1.1633[*]	.16208	.000	.7967	1.5300
		DAUN TUA	-1.1850[*]	.16208	.000	-1.5517	-.8183

Homogeneous Subsets

TANIN

	PERBANDINGAN DAUN	N	Subset 1	Subset 2	Subset 3
Duncan[a,b]	DAUN MUDA	6	4.4750		
	DAUN CAMPUR	6		5.6383	
	DAUN TUA	6			6.8233
	Sig.		1.000	1.000	1.000

PERBANDINGAN_JAHE

Multiple Comparisons

Dependent Variable: TANIN

	(I) PERBANDINGAN_JAHE	(J) PERBANDINGAN_JAHE	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
LSD	10%	20%	-.2617	.16208	.141	-.6283	.1050
		30%	-.7650*	.16208	.001	-1.1317	-.3983
	20%	10%	.2617	.16208	.141	-.1050	.6283
		30%	-.5033*	.16208	.013	-.8700	-.1367
	30%	10%	.7650*	.16208	.001	.3983	1.1317
		20%	.5033*	.16208	.013	.1367	.8700

Homogeneous Subsets

TANIN

	PERBANDINGAN_JAHE	N	Subset 1	Subset 2
Duncan[a,b]	10%	6	5.3033	
	20%	6	5.5650	
	30%	6		6.0683
	Sig.		.141	1.000

6. Total Padatan Terlarut

Between-Subjects Factors

		Value Label	N
PERBANDINGAN DAUN	1.00	DAUN MUDA	6
	2.00	DAUN TUA	6
	3.00	DAUN CAMPUR	6
PERBANDINGAN_JAHE	1.00	10%	6
	2.00	20%	6
	3.00	30%	6

Descriptive Statistics

Dependent Variable: TOTAL PADATAN TERLARUT

PERBANDINGAN DAUN	PERBANDINGAN_JAHE	Mean	Std. Deviation	N
DAUN MUDA	10%	22.8000	.56569	2
	20%	25.7000	.70711	2
	30%	27.6000	.00000	2
	Total	25.3667	2.19970	6
DAUN TUA	10%	24.3000	.42426	2
	20%	26.2500	.21213	2
	30%	28.5500	.07071	2
	Total	26.3667	1.91485	6
DAUN CAMPUR	10%	24.1000	.14142	2
	20%	26.2500	.21213	2
	30%	28.4000	.14142	2
	Total	26.2500	1.92743	6
Total	10%	23.7333	.79666	6
	20%	26.0667	.44572	6
	30%	28.1833	.46224	6
	Total	25.9944	1.95071	18

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
TOTAL PADATAN TERLARUT	Based on Mean	27003598723611820000000000000000.000	8	9	.000
	Based on Median	27003598723611820000000000000000.000	8	9	.000
	Based on Median and with adjusted df	27003598723611820000000000000000.000	8	3.000	.000
	Based on trimmed mean	27003598723611820000000000000000.000	8	9	.000

Tests of Between-Subjects Effects

Dependent Variable: TOTAL PADATAN TERLARUT

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	63.554[a]	8	7.944	62.994	.000
Intercept	12162.801	1	12162.801	96445.115	.000
PERBANDINGAN_DAUN	3.588	2	1.794	14.225	.002
PERBANIDINGAN_JAHE	59.454	2	29.727	235.722	.000
PERBANDINGAN_DAUN * PERBANIDINGAN_JAHE	.512	4	.128	1.015	.449
Error	1.135	9	.126		
Total	12227.490	18			
Corrected Total	64.689	17			

Multiple Comparisons

Dependent Variable: TOTAL PADATAN TERLARUT

	(I) PERBANDINGAN DAUN	(J) PERBANDINGAN DAUN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
LSD	DAUN MUDA	DAUN TUA	-1.0000*	.20503	.001	-1.4638	-.5362
		DAUN CAMPUR	-.8833*	.20503	.002	-1.3471	-.4195
	DAUN TUA	DAUN MUDA	1.0000*	.20503	.001	.5362	1.4638
		DAUN CAMPUR	.1167	.20503	.583	-.3471	.5805
	DAUN CAMPUR	DAUN MUDA	.8833*	.20503	.002	.4195	1.3471
		DAUN TUA	-.1167	.20503	.583	-.5805	.3471

Homogeneous Subsets

TOTAL PADATAN TERLARUT

	PERBANDINGAN DAUN	N	Subset 1	Subset 2
Duncan[a,b]	DAUN MUDA	6	25.3667	
	DAUN CAMPUR	6		26.2500
	DAUN TUA	6		26.3667
	Sig.		1.000	.583

Multiple Comparisons

Dependent Variable: TOTAL PADATAN TERLARUT

	(I) PERBANDINGAN_JAHE	(J) PERBANDINGAN_JAHE	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
LSD	10%	20%	-2.3333*	.20503	.000	-2.7971	-1.8695
		30%	-4.4500*	.20503	.000	-4.9138	-3.9862
	20%	10%	2.3333*	.20503	.000	1.8695	2.7971
		30%	-2.1167*	.20503	.000	-2.5805	-1.6529
	30%	10%	4.4500*	.20503	.000	3.9862	4.9138
		20%	2.1167*	.20503	.000	1.6529	2.5805

TOTAL PADATAN TERLARUT

	PERBANDINGAN_JAHE	N	Subset 1	Subset 2	Subset 3
Duncan[a,b]	10%	6	23.7333		
	20%	6		26.0667	
	30%	6			28.1833
	Sig.		1.000	1.000	1.000

7. Uji Kesukaan Warna

Between-Subjects Factors

		Value Label	N
PERBANDINGAN DAUN	1.00	DAUN MUDA	6
	2.00	DAUN TUA	6
	3.00	DAUN CAMPUR	6
PERBANDINGAN_JAHE	1.00	10%	6
	2.00	20%	6
	3.00	30%	6

Descriptive Statistics

Dependent Variable: Uji Warna

PERBANDINGAN DAUN	PERBANDINGAN _JAHE	Mean	Std. Deviation	N
DAUN MUDA	10%	4.8250	.03536	2
	20%	4.5500	.07071	2
	30%	4.3000	.21213	2
	Total	4.5583	.25577	6
DAUN TUA	10%	4.8750	.03536	2
	20%	4.6000	.07071	2
	30%	4.5500	.07071	2
	Total	4.6750	.16355	6
DAUN CAMPUR	10%	4.8500	.07071	2
	20%	4.5750	.03536	2
	30%	4.4000	.14142	2
	Total	4.6083	.21545	6
Total	10%	4.8500	.04472	6
	20%	4.5750	.05244	6
	30%	4.4167	.16330	6
	Total	4.6139	.20779	18

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Uji Warna	Based on Mean	13072646814853594000000000000.000	8	9	.000
	Based on Median	13072646814853594000000000000.000	8	9	.000
	Based on Median and with adjusted df	13072646814853594000000000000.000	8	6.000	.000
	Based on trimmed mean	13072646814853594000000000000.000	8	9	.000

Tests of Between-Subjects Effects

Dependent Variable: Uji Warna

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.645[a]	8	.081	8.180	.002
Intercept	383.183	1	383.183	38858.042	.000
PERBANDINGAN_DAUN	.041	2	.021	2.085	.180
PERBANIDINGAN_JAHE	.577	2	.288	29.254	.000
PERBANDINGAN_DAUN * PERBANIDINGAN_JAHE	.027	4	.007	.690	.617
Error	.089	9	.010		
Total	383.918	18			
Corrected Total	.734	17			

Multiple Comparisons

Dependent Variable: Uji Warna

	(I) PERBANDINGAN DAUN	(J) PERBANDINGAN DAUN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
LSD	DAUN MUDA	DAUN TUA	-.1167	.05733	.072	-.2464	.0130
		DAUN CAMPUR	-.0500	.05733	.406	-.1797	.0797
	DAUN TUA	DAUN MUDA	.1167	.05733	.072	-.0130	.2464
		DAUN CAMPUR	.0667	.05733	.275	-.0630	.1964
	DAUN CAMPUR	DAUN MUDA	.0500	.05733	.406	-.0797	.1797
		DAUN TUA	-.0667	.05733	.275	-.1964	.0630

Uji Warna

	PERBANDINGAN DAUN	N	Subset 1
Duncan[a,b]	DAUN MUDA	6	4.5583
	DAUN CAMPUR	6	4.6083
	DAUN TUA	6	4.6750
	Sig.		.083

Multiple Comparisons

Dependent Variable: Uji Warna

	(I) PERBANDINGAN_ JAHE	(J) PERBANDINGAN _JAHE	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
LSD	10%	20%	.2750[*]	.05733	.001	.1453	.4047
		30%	.4333[*]	.05733	.000	.3036	.5630
	20%	10%	-.2750[*]	.05733	.001	-.4047	-.1453
		30%	.1583[*]	.05733	.022	.0286	.2880
	30%	10%	-.4333[*]	.05733	.000	-.5630	-.3036
		20%	-.1583[*]	.05733	.022	-.2880	-.0286

Uji Warna

	PERBANDINGAN_ JAHE	N	Subset 1	2	3
Duncan[a,b]	30%	6	4.4167		
	20%	6		4.5750	
	10%	6			4.8500
	Sig.		1.000	1.000	1.000

8. **Uji Kesukaan Aroma**

Between-Subjects Factors

		Value Label	N
PERBANDINGAN DAUN	1.00	DAUN MUDA	6
	2.00	DAUN TUA	6
	3.00	DAUN CAMPUR	6
PERBANDINGAN_JAHE	1.00	10%	6
	2.00	20%	6
	3.00	30%	6

Descriptive Statistics

Dependent Variable: UJI_AROMA

PERBANDINGAN DAUN	PERBANDINGAN_JAHE	Mean	Std. Deviation	N
DAUN MUDA	10%	4.4500	.07071	2
	20%	4.6500	.07071	2
	30%	4.9500	.07071	2
	Total	4.6833	.23166	6
DAUN TUA	10%	4.5000	.07071	2
	20%	4.7500	.07071	2
	30%	5.0750	.03536	2
	Total	4.7750	.26220	6
DAUN CAMPUR	10%	4.4750	.03536	2
	20%	4.7500	.14142	2
	30%	4.9750	.03536	2
	Total	4.7333	.23381	6
Total	10%	4.4750	.05244	6
	20%	4.7167	.09309	6
	30%	5.0000	.07071	6
	Total	4.7306	.23145	18

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
UJI_AROMA	Based on Mean	614018259485544500000 0000000.000	8	9	.000
	Based on Median	614018259485544500000 0000000.000	8	9	.000
	Based on Median and with adjusted df	614018259485544500000 0000000.000	8	4.000	.000
	Based on trimmed mean	204672753161848160000 0000000.000	8	9	.000

Tests of Between-Subjects Effects

Dependent Variable: UJI_AROMA

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.862[a]	8	.108	19.891	.000
Intercept	402.807	1	402.807	74364.333	.000
PERBANDINGAN_DAUN	.025	2	.013	2.333	.153
PERBANIDINGAN_JAHE	.829	2	.414	76.487	.000
PERBANDINGAN_DAUN * PERBANIDINGAN_JAHE	.008	4	.002	.372	.823
Error	.049	9	.005		
Total	403.718	18			
Corrected Total	.911	17			

Multiple Comparisons

Dependent Variable: UJI_AROMA

	(I) PERBANDINGAN DAUN	(J) PERBANDINGAN DAUN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
LSD	DAUN MUDA	DAUN TUA	-.0917	.04249	.059	-.1878	.0045
		DAUN CAMPUR	-.0500	.04249	.269	-.1461	.0461
	DAUN TUA	DAUN MUDA	.0917	.04249	.059	-.0045	.1878
		DAUN CAMPUR	.0417	.04249	.352	-.0545	.1378
	DAUN CAMPUR	DAUN MUDA	.0500	.04249	.269	-.0461	.1461
		DAUN TUA	-.0417	.04249	.352	-.1378	.0545

UJI_AROMA

	PERBANDINGAN DAUN	N	Subset 1
Duncan^{a,b}	DAUN MUDA	6	4.6833
	DAUN CAMPUR	6	4.7333
	DAUN TUA	6	4.7750
	Sig.		.069

Multiple Comparisons

Dependent Variable: UJI_AROMA

	(I) PERBANDINGAN_JAHE	(J) PERBANDINGAN_JAHE	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	10%	20%	-.2417[*]	.04249	.000	-.3378	-.1455
		30%	-.5250[*]	.04249	.000	-.6211	-.4289
	20%	10%	.2417[*]	.04249	.000	.1455	.3378
		30%	-.2833[*]	.04249	.000	-.3795	-.1872
	30%	10%	.5250[*]	.04249	.000	.4289	.6211
		20%	.2833[*]	.04249	.000	.1872	.3795

UJI_AROMA

	PERBANDINGAN_JAHE	N	Subset 1	2	3
Duncan^{a,b}	10%	6	4.4750		
	20%	6		4.7167	
	30%	6			5.0000
	Sig.		1.000	1.000	1.000

9. Uji Kesukaan Rasa

Between-Subjects Factors

		Value Label	N
PERBANDINGAN DAUN	1.00	DAUN MUDA	6
	2.00	DAUN TUA	6
	3.00	DAUN CAMPUR	6
PERBANDINGAN_JAHE	1.00	10%	6
	2.00	20%	6
	3.00	30%	6

Descriptive Statistics

Dependent Variable: Uji Kesukaan Rasa

PERBANDINGAN DAUN	PERBANDINGAN _JAHE	Mean	Std. Deviation	N
DAUN MUDA	10%	4.6500	.07071	2
	20%	4.8500	.14142	2
	30%	5.1000	.21213	2
	Total	4.8667	.23381	6
DAUN TUA	10%	4.7250	.03536	2
	20%	4.9250	.10607	2
	30%	5.0750	.10607	2
	Total	4.9083	.17151	6
DAUN CAMPUR	10%	4.7500	.14142	2
	20%	4.9250	.17678	2
	30%	5.1750	.17678	2
	Total	4.9500	.23022	6
Total	10%	4.7083	.08612	6
	20%	4.9000	.11832	6
	30%	5.1167	.14024	6
	Total	4.9083	.20382	18

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Uji Kesukaan Rasa	Based on Mean	17826336565709426000000000000.000	8	9	.000
	Based on Median	17826336565709426000000000000.000	8	9	.000
	Based on Median and with adjusted df	17826336565709426000000000000.000	8	4.000	.000
	Based on trimmed mean	8913168282854713000000000000.000	8	9	.000

Tests of Between-Subjects Effects

Dependent Variable: Uji Kesukaan Rasa

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.530[a]	8	.066	3.383	.044
Intercept	433.651	1	433.651	22143.894	.000
PERBANDINGAN_DAUN	.021	2	.010	.532	.605
PERBANIDINGAN_JAHE	.501	2	.250	12.787	.002
PERBANDINGAN_DAUN * PERBANIDINGAN_JAHE	.008	4	.002	.106	.977
Error	.176	9	.020		
Total	434.357	18			
Corrected Total	.706	17			

Uji Kesukaan Rasa

			Subset
	PERBANDINGAN DAUN	N	1
Duncan[a,b]	DAUN MUDA	6	4.8667
	DAUN TUA	6	4.9083
	DAUN CAMPUR	6	4.9500
	Sig.		.350

Multiple Comparisons

Dependent Variable: Uji Kesukaan Rasa

	(I) PERBANDINGAN DAUN	(J) PERBANDINGAN DAUN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
LSD	DAUN MUDA	DAUN TUA	-.0417	.08079	.618	-.2244	.1411
		DAUN CAMPUR	-.0833	.08079	.329	-.2661	.0994
	DAUN TUA	DAUN MUDA	.0417	.08079	.618	-.1411	.2244
		DAUN CAMPUR	-.0417	.08079	.618	-.2244	.1411
	DAUN CAMPUR	DAUN MUDA	.0833	.08079	.329	-.0994	.2661
		DAUN TUA	.0417	.08079	.618	-.1411	.2244

Multiple Comparisons

Dependent Variable: Uji Kesukaan Rasa

	(I) PERBANDINGAN_JAHE	(J) PERBANDINGAN_JAHE	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
LSD	10%	20%	-.1917*	.08079	.042	-.3744	-.0089
		30%	-.4083*	.08079	.001	-.5911	-.2256
	20%	10%	.1917*	.08079	.042	.0089	.3744
		30%	-.2167*	.08079	.025	-.3994	-.0339
	30%	10%	.4083*	.08079	.001	.2256	.5911
		20%	.2167*	.08079	.025	.0339	.3994

Uji Kesukaan Rasa

	PERBANDINGAN_JAHE	N	Subset 1	2	3
Duncan[a,b]	10%	6	4.7083		
	20%	6		4.9000	
	30%	6			5.1167
	Sig.		1.000	1.000	1.000