

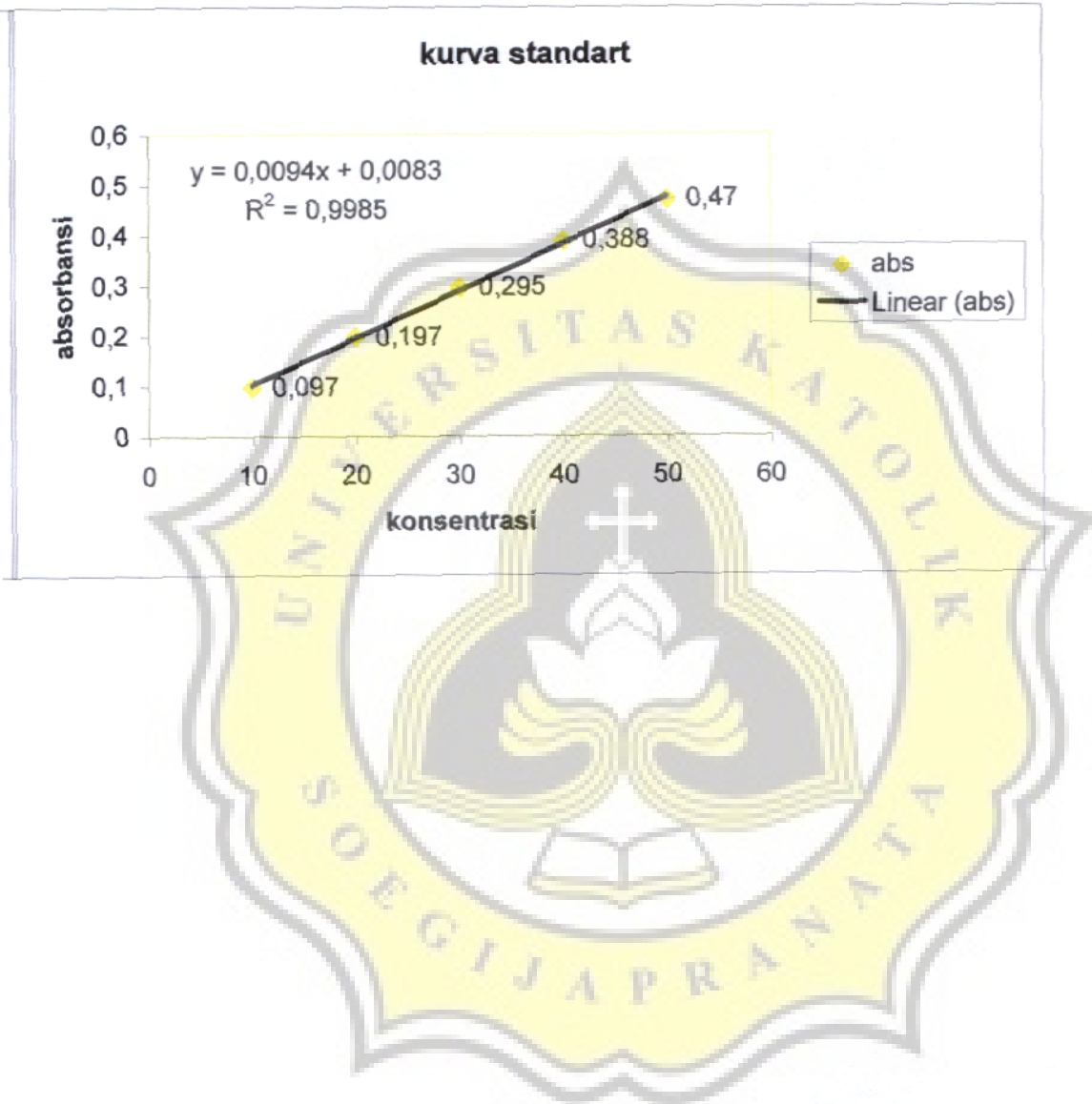
LAMPIRAN 1

FOTO PERBANDINGAN SPONGE CAKE OVEN DAN KUKUS
pada BERBAGAI TINGKAT SUBSTITUSI



LAMPIRAN 2

KURVA STANDAR LARUTAN BETA-KAROTEN



LAMPIRAN 3

KUISIONER ANALISA SENSORIS

KUISIONER ANALISA SENSORIS

KUISIONER UJI KESUKAAN

Nama

Jenis Kelamin

Umur

Tanggal Pelaksanaan

Di hadapan Anda tersaji 6 macam sampel cake. Silakan beri penilaian Anda terhadap warna, aroma, rasa, tekstur dan kesukaan dari masing - masing sampel yang tersedia dengan mengisi kolom di bawah ini dengan menggunakan angka 1 sampai 5 !

Kode Sampel	Warna	Aroma	Rasa	Tekstur	Kesukaan
159					
753					
147					
852					
369					
657					

Keterangan

Warna

- 1 = sangat tidak menarik
- 2 = tidak menarik
- 3 = cukup menarik
- 4 = menarik
- 5 = sangat menarik

Aroma

- 1 = sangat tidak suka
- 2 = tidak suka
- 3 = cukup suka
- 4 = suka
- 5 = sangat suka

Tekstur

- 1 = sangat keras
- 2 = keras
- 3 = cukup empuk
- 4 = empuk
- 5 = sangat empuk

Rasa

- 1 = sangat tidak enak
- 2 = tidak enak
- 3 = cukup enak
- 4 = enak
- 5 = sangat enak

Kesukaan

- 1 = sangat tidak suka
- 2 = tidak suka
- 3 = cukup suka
- 4 = suka

LAMPIRAN 4

HASIL PERHITUNGAN DENSITAS

Perlakuan	Kadar	Ulangan	Massa (g)	Volume (cm ³)	Densitas (g/cm ³)
Kukus	0%	1	465,0	1.022,19878	0,45490
		2	462,0	1.115,03769	0,41433
		3	460,5	933,04602	0,49354
	25%	1	448,5	878,77947	0,51036
		2	459,5	891,00450	0,51571
		3	459,5	881,85536	0,52106
	50%	1	462,5	816,90914	0,56615
		2	462,5	796,29638	0,58081
		3	470,5	813,49329	0,57836
Oven	0%	1	431,5	1.270,35109	0,33966
		2	431,5	1.326,86820	0,32520
		3	437,0	1.191,20966	0,36685
	25%	1	417,5	918,69120	0,45445
		2	431,0	928,21977	0,46432
		3	430,0	963,92781	0,44609
	50%	1	421,0	846,59170	0,49728
		2	428,0	844,04320	0,50708
		3	426,5	873,58806	0,48821

Rumus :

$$\text{Densitas (g/cm}^3\text{)} = \frac{\text{Massa (g)}}{\text{Volume (cm}^3\text{)}}$$

LAMPIRAN 5

HASIL PERHITUNGAN PENGEMBANGAN VOLUME CAKE

Perlakuan	Kadar	Ujangan	Tinggi sebelum dikukus (cm)	Tinggi setelah dikukus (cm)	Pengembangan Volume (%)
Kukus	0%	1	2,85	4,72	65,61403
		2	2,87	4,91	71,08014
		3	2,75	4,72	71,63636
	25%	1	2,21	3,65	65,15837
		2	2,36	3,76	59,32203
		3	2,41	3,78	56,84647
50%	1	2,24	3,42	52,67857	
	2	2,37	3,63	53,16456	
	3	2,17	3,36	54,83871	
Oven	0%	1	2,84	4,91	72,88732
		2	3,07	5,36	74,55283
		3	3,02	5,28	74,83444
	25%	1	2,36	3,88	64,40678
		2	2,39	3,94	64,85356
		3	2,39	3,96	65,69038
50%	1	2,17	3,45	58,98618	
	2	2,23	3,54	58,74439	
	3	2,26	3,52	55,75221	

Rumus :
Pengembangan Volume =

$$\frac{\text{Tinggi cake setelah dikukus} - \text{tinggi cake sebelum dikukus}}{\text{Tinggi cake sebelum dikukus}} \times 100\%$$

LAMPIRAN 6

HASIL PERHITUNGAN PENGURANGAN BERAT SPONGE CAKE

Perlakuan	Kadar	Ulangan	Berat Adonan (g)	Massa Cake (g)	Pengurangan Berat (%)
Kukus	0%	1	466,00	462,00	0,85837
		2	469,50	465,00	0,95847
		3	465,50	460,50	1,07411
	25%	1	450,50	448,50	0,44395
		2	462,00	459,50	0,54113
		3	464,50	461,50	0,64586
	50%	1	463,00	462,50	0,10799
		2	469,50	468,50	0,21299
		3	472,00	470,50	0,31780
Oven	0%	1	463,5	431,5	6,90399
		2	463,5	431,5	6,90399
		3	470,5	437,0	7,12009
	25%	1	457,0	431,0	5,68928
		2	458,0	430,0	6,11354
		3	440,0	417,5	5,11364
	50%	1	438,5	421,0	3,99088
		2	446,0	428,0	4,03587
		3	444,0	426,5	3,94144

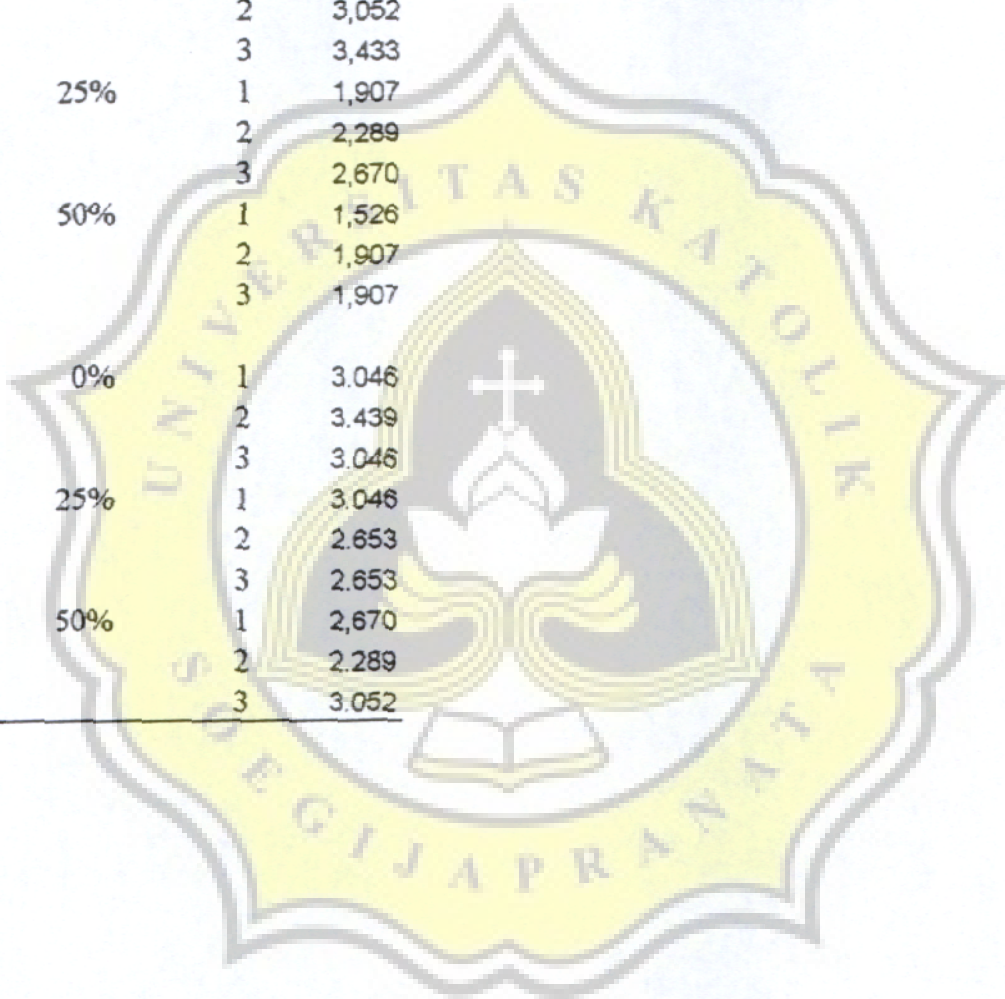
Rumus :

$$\text{Pengurangan berat} = 100\% - \frac{\text{Massa Cake}}{\text{Berat Adonan}} \times 100\%$$

LAMPIRAN 7

HASIL PERHITUNGAN KEKERASAN SPONGE CAKE

Perlakuan	Kadar	Ulangan	Kekerasan (N)
Kukus	0%	1	3,046
		2	3,052
		3	3,433
	25%	1	1,907
		2	2,289
		3	2,670
	50%	1	1,526
		2	1,907
		3	1,907
Oven	0%	1	3,046
		2	3,439
		3	3,046
	25%	1	3,046
		2	2,653
		3	2,653
	50%	1	2,670
		2	2,289
		3	3,052



LAMPIRAN 8

HASIL PERHITUNGAN KADAR AIR

Pertakuan	Kadar	Ujangan	Berat Awal (W1) (g)	Berat Kering (W2) (g)	Kehilangan Berat (W3) (g)	Wet Basis (%)
Kukus	0%	1	6,29152	4,66213	1,62939	25,89819
		2	6,09376	4,48701	1,60675	26,36714
	25%	3	6,03006	4,45251	1,57755	26,16143
		1	6,00289	4,37213	1,63076	27,16625
		2	6,04186	4,39156	1,65030	27,31444
		3	6,01985	4,41563	1,60422	26,64884
50%	50%	1	7,97969	5,57438	2,40531	30,14290
		2	7,99864	5,60518	2,39346	29,92334
	0%	3	7,99537	5,63879	2,35658	29,47431
		1	8,01557	6,09781	1,91776	23,92544
		2	8,05441	6,27895	1,77546	22,04333
		3	8,04534	6,23208	1,81326	22,53802
25%	25%	1	7,98816	6,04325	1,94491	24,34741
		2	8,02776	6,14470	1,88306	23,45685
	50%	3	8,02621	6,16275	1,86346	23,21718
		1	7,99902	5,89549	2,10353	26,29735
		2	7,98047	5,89426	2,08621	26,14144
		3	7,96850	5,90927	2,05923	25,84213

Rumus :

$$\text{Kehilangan Berat (W3)} = \text{Berat Awal (W1)} - \text{Berat Kering (W2)}$$

$$\text{Kadar Air} = \frac{\text{Kehilangan Berat (W3)}}{\text{Berat Awal (W1)}} \times 100\%$$

LAMPIRAN 9

HASIL PERHITUNGAN KADAR ABU

Perlakuan	Kadar	Ulangan	Berat sampel (g)	Berat Abu (g)	Kadar Abu (%)
Kukus	0%	1	2,011	0,029	1,44207
		2	2,017	0,029	1,43778
		3	2,009	0,030	1,49328
	25%	1	2,014	0,038	1,88679
		2	1,875	0,039	2,08000
		3	2,015	0,040	1,98511
	50%	1	1,913	0,045	2,35233
		2	2,014	0,047	2,33366
		3	2,003	0,044	2,19670
Oven	0%	1	2,017	0,028	1,38820
		2	2,010	0,029	1,44279
		3	2,014	0,027	1,34062
	25%	1	2,021	0,035	1,73182
		2	2,015	0,036	1,78660
		3	2,021	0,036	1,78130
	50%	1	2,402	0,046	1,91507
		2	2,331	0,043	1,84470
		3	2,437	0,044	1,80550

Rumus :

$$\text{Kadar Abu} = \frac{\text{Berat Abu}}{\text{Berat Sampel}} \times 100\%$$

LAMPIRAN 10

HASIL PERHITUNGAN KADAR LEMAK

Perlakuan	Kadar	Ulangan	Berat sampel (g)	Berat Sampel Akhir (g)	Berat Lemak (g)	Kadar Lemak (%)
Kukus	0%	1	1,339	0,859	0,480	35,84765
		2	1,284	0,829	0,455	35,43614
		3	1,402	0,911	0,491	35,02140
	25%	1	1,531	1,017	0,514	33,59464
		2	1,577	1,056	0,521	33,02488
		3	1,483	0,989	0,494	33,28882
	50%	1	1,608	1,085	0,523	32,52488
		2	1,518	1,038	0,480	31,62055
		3	1,357	0,908	0,449	33,10190
Oven	0%	1	1,417	0,940	0,477	33,66267
		2	1,219	0,816	0,403	33,05989
		3	1,600	1,067	0,533	33,31250
	25%	1	1,805	1,222	0,583	32,29917
		2	1,783	1,207	0,576	32,30510
		3	1,836	1,245	0,591	32,18954
	50%	1	1,559	1,070	0,489	31,36626
		2	1,676	1,156	0,520	31,02625
		3	1,487	1,018	0,469	31,54001

RUMUS

Kadar Lemak =

$$\frac{\text{Berat Lemak}}{\text{Berat Sampel}} \times 100\%$$

LAMPIRAN 11

HASIL PERHITUNGAN KADAR SERAT KASAR pada SPONGE CAKE

Perlakuan	Kadar	Ulangan	Berat Sampel (g)	Berat Serat Kasar (g)	Kadar Serat Kasar (%)	
Kukus	0%	1	2,35	0,02844	1,21021	
		2	2,13	0,02502	1,17465	
		3	2,04	0,02444	1,19804	
	25%	1	2,07	0,034	1,64251	
		2	2,06	0,027	1,31068	
		3	2,10	0,030	1,42857	
	50%	1	2,14	0,046	2,14953	
		2	2,03	0,042	2,06897	
		3	2,10	0,048	2,28571	
	Oven	0%	1	2,04	0,023	1,12745
			2	2,09	0,023	1,10048
			3	2,11	0,026	1,23223
25%		1	1,45	0,024	1,65517	
		2	1,29	0,024	1,86047	
		3	1,28	0,021	1,64063	
50%		1	1,12	0,024	2,14286	
		2	1,21	0,024	1,98347	
		3	1,09	0,022	2,01835	

RUMUS

$$\text{Kadar Serat Kasar (\%)} = \frac{\text{Berat Serat Kasar (g)}}{\text{Berat Sampel (g)}} \times 100\%$$

LAMPIRAN 12

HASIL PERHITUNGAN KADAR PROTEIN

Perlakuan	Kadar	Ulangan	NaOH (ml)	N (%)	Protein (%)
Kukus	0%	1	3,6	2,01715	11,49777
		2	3,7	2,07318	11,81715
		3	3,5	1,96112	11,17838
	25%	1	4,9	2,74557	15,64974
		2	5,2	2,91366	16,60788
		3	5,4	3,02573	17,24665
	50%	1	6,6	3,69811	21,07924
		2	6,8	3,81018	21,71800
		3	7,0	3,92224	22,35677
Oven	0%	1	2,7	1,51286	8,62332
		2	3,2	1,79302	10,22024
		3	2,6	1,45683	8,30394
	25%	1	4,0	2,24128	12,77530
		2	4,2	2,35334	13,41406
		3	4,3	2,40938	13,73344
	50%	1	6,6	3,69811	21,07924
		2	7,0	3,92224	22,35677
		3	6,2	3,47398	19,80171

RUMUS

$$N (\%) = \frac{\text{ml NaOH} \times 0,1 \times 14,008}{250 \text{ mg}} \times 100 \%$$

$$\text{Kadar Protein} (\%) = N \times 5,7$$

* Faktor konversi memakai tepung terigu sebesar 5,7

LAMPIRAN 13

HASIL PERHITUNGAN KADAR KARBOHIDRAT pada SPONGE CAKE

Pertakuan	Kadar	Ulangan	Ulangan	Abu (%) (g)	Serat Kasar (%)	Lemak (%)	Protein (%)	Air (%)	Karbohidrat (%)
Kukus	0%	1	1	1,44207	1,21021	35,84765	11,49777	25,89819	24,10411
		2	2	1,43778	1,17465	35,43614	11,81715	26,36714	23,76715
		3	3	1,49328	1,19804	35,02140	11,17838	26,16143	24,94747
	25%	1	1	1,88679	1,64251	33,59464	15,64974	27,16625	20,06007
		2	2	2,08000	1,31068	33,02488	16,60788	27,31444	19,66212
		3	3	1,98511	1,42857	33,28882	17,24665	26,64884	19,40201
	50%	1	1	2,35233	2,14953	32,52488	21,07924	30,14290	11,75113
		2	2	2,33366	2,06897	31,62055	21,71800	29,92334	12,33548
		3	3	2,19670	2,28571	33,10190	22,35677	29,47431	10,58460
Oven	0%	1	1	1,3882	1,12745098	33,6626676	8,6233248	23,92544	31,27292
		2	2	1,44279	1,100478469	33,0598852	10,220237	22,04333	32,13328
		3	3	1,34062	1,232227488	33,3125	8,3039424	22,53802	33,27269
	25%	1	1	1,73182	1,655172414	32,299169	12,775296	24,34741	27,19113
		2	2	1,7866	1,860465116	32,3051038	13,414061	23,45685	27,17692
		3	3	1,7813	1,640625	32,1895425	13,733443	23,21718	27,43790
	50%	1	1	1,91507	2,142857143	31,3662604	21,079238	26,29735	17,19923
		2	2	1,8447	1,983471074	31,026253	22,356768	26,14144	16,64737
		3	3	1,8055	2,018348624	31,5400134	19,801709	25,84213	18,99230

RUMUS

Kadar Karbohidrat (%) = 100% - (Kadar Air + Kadar Abu + Kadar Serat Kasar + Kadar Protein + Kadar Lemak)

LAMPIRAN 16

PROSEDUR ANALISA PROKSIMAT (SUDARMADJI, S et al.,1989)

a. ANALISA KADAR AIR

- Cawan porselin ditimbang sehingga diketahui berat konstan.
- Sebanyak 2 gram sample yang telah dihaluskan ditimbang dalam cawan poselin.
- Sampel dikeringkan dalam oven pada suhu 100 – 105oC selama 3 – 5 jam, kemudian didinginkan dalam desikator dan ditimbang sampai beratnya konstan.
- Pengurangan berat merupakan banyaknya air dalam bahan.

b. ANALISA KADAR ABU

- Cawan porselin ditimbang sehingga diketahui berat konstan.
- Sebanyak 2 gram sample yang telah dihaluskan , ditimbang dalam cawan porselin.
- Sample diabukan dalam tanur pada suhu 550oC selama 3 – 5 jam, kemudian didinginkan dalam oven dan dimasukkan dalam desikator. Selanjutnya ditimbang sampai beratnya konstan.

c. ANALISA KADAR LEMAK

- Kertas saring ditimbang.
- Sample sebanyak 2 gram ditimbang kemudian dibungkus dengan kertas saring yang telah diketahui beratnya.
- Sample dimasukkan ke dalam labu soxhlet ditambah dengan pelarut eter sampai 1/3 bagian labu labu diekstrak selama + 4 jam.
- Sample dikeringkan dalam oven kemudian ditimbang.

d. ANALISA KADAR SERAT KASAR

- Sampel yang telah diekstrak lemaknya dimasukkan dalam Erlenmeyer dan ditambahkan 2 – 3 tetes anti buih serta batu didih.
- Ke dalam erlenmeyer ditambahkan H_2SO_4 0,25 N sebanyak 200 ml dan dididihkan selama 30 menit.
- Residu yang terbentuk disaring dan dicuci dengan aquades panas.
- Residu yang terbentuk dimasukkan dalam Erlenmeyer dengan ditambah NaOH 0,25 N sebanyak 200 ml dan dididihkan kembali selama 30 menit.
- Residu disaring kembali dengan kertas saring yang telah diketahui beratnya.
- Residu dicuci dengan air panas dan 15 ml alcohol 95%.
- Kertas saring dikeringkan dan ditimbang sampai beratnya konstan.

e. KADAR PROTEIN

- Sampel sebanyak 0,25 gram ditimbang dan dimasukkan dalam labu Kjeldahl.
- Ke dalam labu Kjeldahl ditambahkan 7,5 gram K_2SO_4 , 0,35 gram HgO dan 15 ml H_2SO_4 pekat serta batu didih dan dipanaskan sampai diperoleh larutan jernih (selama 3 – 4 jam).
- Labu berisi dekstruat didinginkan kemudian dipindahkan dalam labu destilasi sambil dibilas dengan 100 ml aquades dingin.
- Ke dalam labu destilasi ditambahkan 15 ml $\text{Na}_2\text{S}_2\text{O}_3$ 4%, 50 ml NaOH 50% dingin dan 0,25 gram Zn.
- Pada Erlenmeyer penampung destilat diisi dengan 50 ml HCl 0,1 N yang ditetesi indicator MM dan diletakkan di bawah kondensor dengan ujung kondensor terendam kemudian didestilasi selama ± 1 jam sampai dihasilkan ± 75 destilat.
- Destilat dititrasi dengan NaOH 0,1 N sampai titik akhir titrasi (larutan berwarna kuning).
- Prosedur yang sama juga dilakukan untuk blanko.

LAMPIRAN 17

HASIL UJI ANOVA FISIK pada SPONGE CAKE KUKUS

Oneway

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
DENSITAS	0%	3	,4543	3,961E-02	2,267E-02	,3559	,5527	,41	,49
	25%	3	,5157	5,350E-03	3,089E-03	,5024	,5290	,51	,52
	50%	3	,5751	7,853E-03	4,534E-03	,5556	,5948	,57	,58
	Total	9	,5150	5,616E-02	1,872E-02	,4719	,5582	,41	,58
VOLUME	0%	3	69,4435	3,3281	1,9215	61,1761	77,7109	65,61	71,64
	25%	3	80,4423	4,2677	2,4840	49,8408	71,0438	58,85	85,16
	50%	3	53,5606	1,1332	,8543	50,7455	56,3757	52,68	54,84
	Total	9	61,1488	7,4313	2,4771	55,4366	66,8610	52,68	71,64
BERAT	0%	3	,9637	,1080	6,233E-02	,6955	1,2318	,86	1,07
	25%	3	,5436	,1010	5,830E-02	,2928	,7845	,44	,65
	50%	3	,2129	,1049	6,057E-02	-4,7672E-02	,4735	,11	,32
	Total	9	,5734	,3382	,1127	,3134	,9334	,11	1,07
KERAS	0%	3	3,1770	,2217	,1260	2,6262	3,7278	3,05	3,43
	25%	3	2,2887	,3815	,2203	1,3410	3,2364	1,91	2,67
	50%	3	1,7800	,2200	,1270	1,2336	2,3264	1,53	1,91
	Total	9	2,4152	,6601	,2200	1,9079	2,9226	1,53	3,43

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
DENSITAS	Between Groups	2,191E-02	2	1,095E-02	19,808	,002
	Within Groups	3,318E-03	6	5,531E-04		
	Total	2,523E-02	8			
VOLUME	Between Groups	380,646	2	190,323	18,675	,003
	Within Groups	61,147	6	10,191		
	Total	441,793	8			
BERAT	Between Groups	,849	2	,425	36,775	,000
	Within Groups	6,572E-02	6	1,095E-02		
	Total	,915	8			
KERAS	Between Groups	2,999	2	1,500	18,508	,003
	Within Groups	,486	6	8,103E-02		
	Total	3,486	8			

Post Hoc Tests
Homogeneous Subsets

DENSITAS

Waller-Duncan^{a,b}

KADAR	N	Subset for alpha = .05		
		1	2	3
0%	3			
25%	3	,4543		
50%	3		,5157	
				,5751

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

b. Type 1/Type 2 Error Seriousness Ratio = 100.

VOLUME

Waller-Duncan^{a,b}

KADAR	N	Subset for alpha = .05		
		1	2	3
50%	3	53,5606		
25%	3		60,4423	
0%	3			69,4435

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

b. Type 1/Type 2 Error Seriousness Ratio = 100.

BERAT

Waller-Duncan^{a,b}

KADAR	N	Subset for alpha = .05		
		1	2	3
50%	3	,2129		
25%	3		,5436	
0%	3			,9637

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

b. Type 1/Type 2 Error Seriousness Ratio = 100.

KERAS

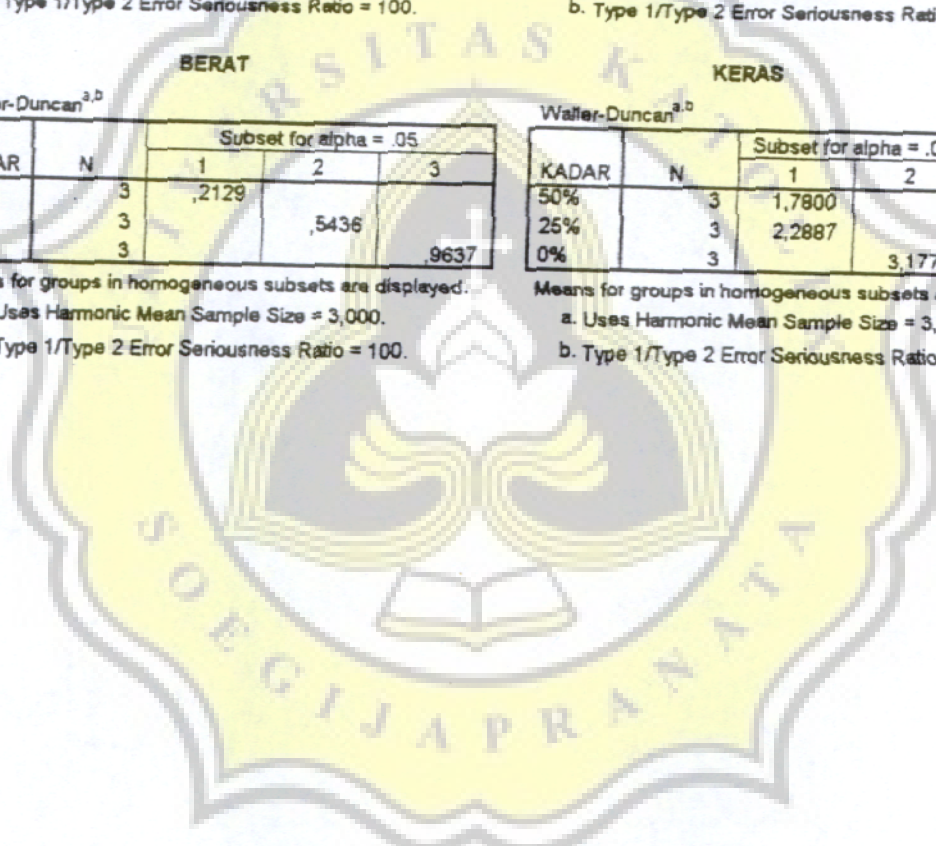
Waller-Duncan^{a,b}

KADAR	N	Subset for alpha = .05	
		1	2
50%	3	1,7800	
25%	3	2,2887	
0%	3		3,1770

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

b. Type 1/Type 2 Error Seriousness Ratio = 100.



LAMPIRAN 18

HASIL UJI ANOVA KIMIA SPONGE CAKE KUKUS

Oneway

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
ABU	0%	3	1,4577	3,088E-02	1,783E-02	1,3810	1,5344	1,44	1,48
	25%	3	1,9840	9,661E-02	5,578E-02	1,7440	2,2240	1,89	2,08
	50%	3	2,2942	8,498E-02	4,906E-02	2,0831	2,5053	2,20	2,35
	Total	9	1,9120	,3722	,1241	1,8259	2,1980	1,44	2,35
SERAT	0%	3	1,1943	1,807E-02	1,043E-02	1,1494	1,2392	1,17	1,21
	25%	3	1,4808	,1682	9,712E-02	1,0427	1,8785	1,31	1,64
	50%	3	2,1681	,1086	6,325E-02	1,8959	2,4402	2,07	2,29
	Total	9	1,6077	,4473	,1491	1,2638	1,9515	1,17	2,29
LEMAK	0%	3	35,4351	,4131	,2385	34,4088	36,4613	35,02	35,85
	25%	3	33,3028	,2851	,1646	32,5945	34,0111	33,02	33,59
	50%	3	32,4158	,7467	,4311	30,5609	34,2706	31,62	33,10
	Total	9	33,7179	1,4172	,4724	32,6285	34,8073	31,62	35,85
PROTEIN	0%	3	11,4978	,3194	,1844	10,7044	12,2912	11,18	11,82
	25%	3	16,5014	,8038	,4641	14,5048	18,4981	15,65	17,25
	50%	3	21,7180	,6388	,3688	20,1312	23,3048	21,08	22,36
	Total	9	16,5724	4,4583	1,4861	13,1454	19,9994	11,18	22,36
AIR	0%	3	26,1423	,2351	,1357	25,5583	26,7262	25,90	26,37
	25%	3	27,0432	,3495	,2018	26,1751	27,9113	26,65	27,31
	50%	3	29,8469	,3408	,1968	29,0003	30,6934	29,47	30,14
	Total	9	27,6774	1,6950	,5650	26,3746	28,9803	25,90	30,14
KARBOHI	0%	3	24,2729	,6080	,3510	22,7626	25,7833	23,77	24,95
	25%	3	18,7081	,3314	,1913	18,8848	20,5314	19,40	20,06
	50%	3	11,5571	,8914	,5147	9,3426	13,7715	10,58	12,34
	Total	9	18,5127	5,8071	1,8690	14,2027	22,8227	10,58	24,95
BETA	0%	3	16132,06	71,6702	41,3788	15954,0247	16310,1020	16067,04	16208,91
	25%	3	25288,74	4188,5023	2418,2329	14883,9269	35693,5598	20624,69	28729,15
	50%	3	34362,66	2071,6478	1196,0664	29216,4015	39508,9185	32045,41	36035,57
	Total	9	25261,16	8232,6806	2744,2269	18932,9571	31589,3540	16067,04	36035,57

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
ABU	Between Groups	1,073	2	,536	91,926	,000
	Within Groups	3,502E-02	6	5,836E-03		
	Total	1,108	8			
SERAT	Between Groups	1,520	2	,760	56,111	,000
	Within Groups	8,125E-02	6	1,354E-02		
	Total	1,601	8			
LEMAK	Between Groups	14,449	2	7,225	26,775	,001
	Within Groups	1,619	6	,270		
	Total	16,069	8			
PROTEIN	Between Groups	156,703	2	78,351	203,324	,000
	Within Groups	2,312	6	,385		
	Total	159,015	8			
AIR	Between Groups	22,396	2	11,198	114,457	,000
	Within Groups	,587	6	9,784E-02		
	Total	22,983	8			
KARBOHI	Between Groups	248,969	2	124,485	293,102	,000
	Within Groups	2,548	6	,425		
	Total	251,517	8			
BETA	Between Groups	4,99E+08	2	249267703,6	34,239	,001
	Within Groups	43680825	6	7280137,566		
	Total	5,42E+08	8			

Post Hoc Tests
Homogeneous Subsets

ABU

SERAT

Waller-Duncan^{a,b}

FADAR	N	Subset for alpha = .05		
		1	2	3
0%	3	1,4577		
25%	3		1,9840	
60%	3			2,2942

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.

Waller-Duncan^{a,b}

KADAR	N	Subset for alpha = .05		
		1	2	3
0%	3	1,1943		
25%	3		1,4606	
60%	3			2,1681

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.

LEMAK

PROTEIN

Waller-Duncan^{a,b}

KADAR	N	Subset for alpha = .05	
		1	2
50%	3	32,4158	
25%	3	33,3028	
0%	3		35,4351

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.

Waller-Duncan^{a,b}

KADAR	N	Subset for alpha = .05		
		1	2	3
0%	3	11,4978		
25%	3		16,5014	
50%	3			21,7180

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.

AIR

Waller-Duncan^{a,b}

KADAR	N	Subset for alpha = .05		
		1	2	3
0%	3	26,1423		
25%	3		27,0432	
50%	3			23,8469

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.

KARBOHI

Waller-Duncan^{a,b}

KADAR	N	Subset for alpha = .05		
		1	2	3
50%	3	11,5571		
25%	3		19,7081	
0%	3			24,2729

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.

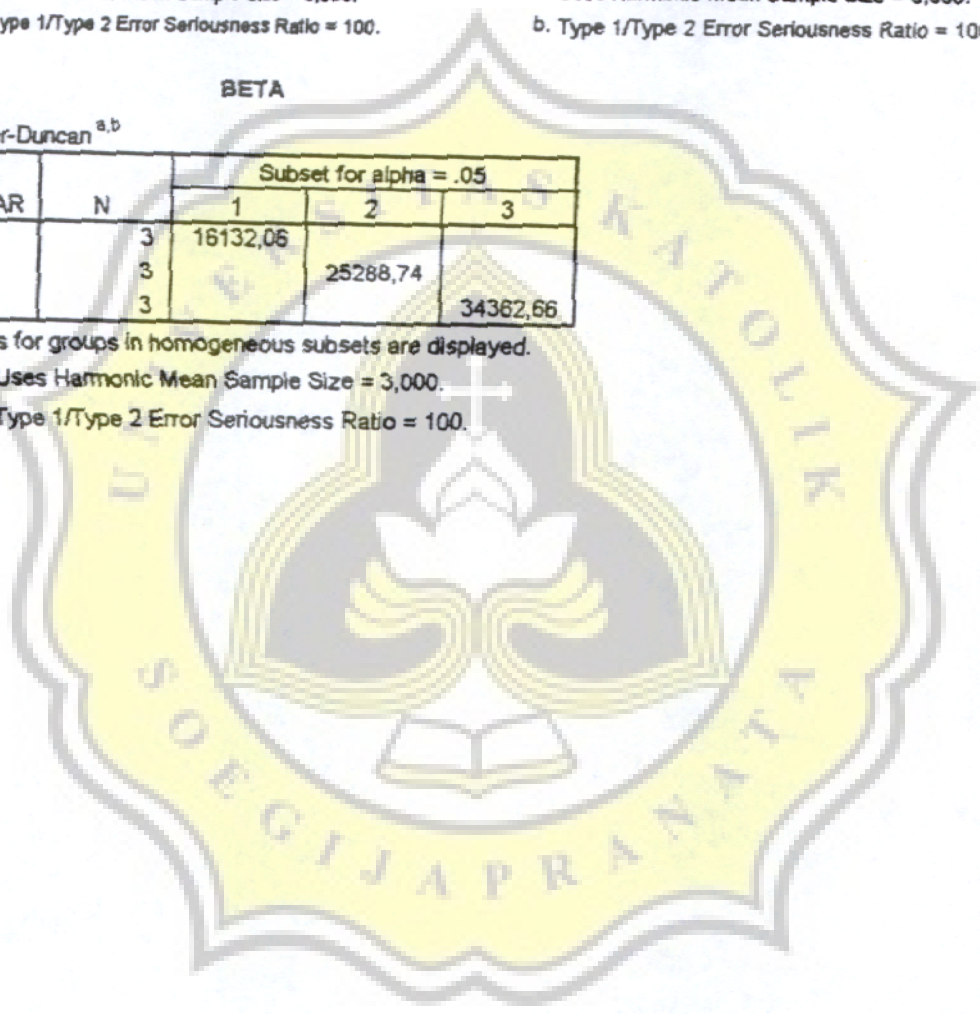
BETA

Waller-Duncan^{a,b}

KADAR	N	Subset for alpha = .05		
		1	2	3
0%	3	16132,06		
25%	3		25288,74	
50%	3			34362,66

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.



LAMPIRAN 19

HASIL UJI ANOVA FISIK SPONGE CAKE OVEN

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
DENSO	0%	3	,3439	2,115E-02	1,221E-02	,2914	,3984	,33	,37
	25%	3	,4550	9,125E-03	5,269E-03	,4323	,4776	,45	,46
	50%	3	,4975	9,437E-03	5,449E-03	,4741	,5210	,49	,51
	Total	9	,4321	6,981E-02	2,327E-02	,3785	,4858	,33	,51
VOLUMEO	0%	3	74,1049	1,0813	,8128	71,4684	76,7413	72,89	74,83
	25%	3	64,9836	,6516	,3762	63,3649	66,6022	64,41	65,69
	50%	3	57,8276	1,8014	1,0400	53,3527	62,3025	55,75	58,99
	Total	9	65,6387	7,1487	2,3832	60,1429	71,1344	55,75	74,83
BEARTO	0%	3	6,9780	,1248	7,203E-02	6,6681	7,2880	6,90	7,12
	25%	3	5,6388	,5019	,2697	4,3921	6,8855	5,11	6,11
	50%	3	3,9894	4,723E-02	2,727E-02	3,8721	4,1067	3,94	4,04
	Total	9	5,5347	1,3214	,4405	4,5191	6,5504	3,94	7,12
KERASO	0%	3	3,1770	,2269	,1310	2,6134	3,7406	3,05	3,44
	25%	3	2,7840	,2269	,1310	2,2204	3,3476	2,65	3,05
	50%	3	2,6703	,3815	,2203	1,7226	3,6180	2,29	3,05
	Total	9	2,8771	,3393	,1131	2,6163	3,1379	2,29	3,44

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
DENSO	Between Groups	3,774E-02	2	1,887E-02	91,385	,000
	Within Groups	1,239E-03	6	2,065E-04		
	Total	3,898E-02	8			
VOLUMEO	Between Groups	399,355	2	199,678	124,902	,000
	Within Groups	9,592	6	1,599		
	Total	408,948	8			
BEARTO	Between Groups	13,429	2	6,714	74,699	,000
	Within Groups	,539	6	8,989E-02		
	Total	13,968	8			
KERASO	Between Groups	,424	2	,212	2,560	,157
	Within Groups	,497	6	8,284E-02		
	Total	,921	8			

Post Hoc Tests
Homogeneous Subsets

DENSO

Waller-Duncan^{a,b}

KADARO	N	Subset for alpha = .05		
		1	2	3
0%	3	,3439		
25%	3		,4550	
50%	3			,4975

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

b. Type 1/Type 2 Error Seriousness Ratio = 100.

VOLUMEO

Waller-Duncan^{a,b}

KADARO	N	Subset for alpha = .05		
		1	2	3
50%	3	57,8278		
25%	3		64,9836	
0%	3			74,1049

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

b. Type 1/Type 2 Error Seriousness Ratio = 100

BEARTO

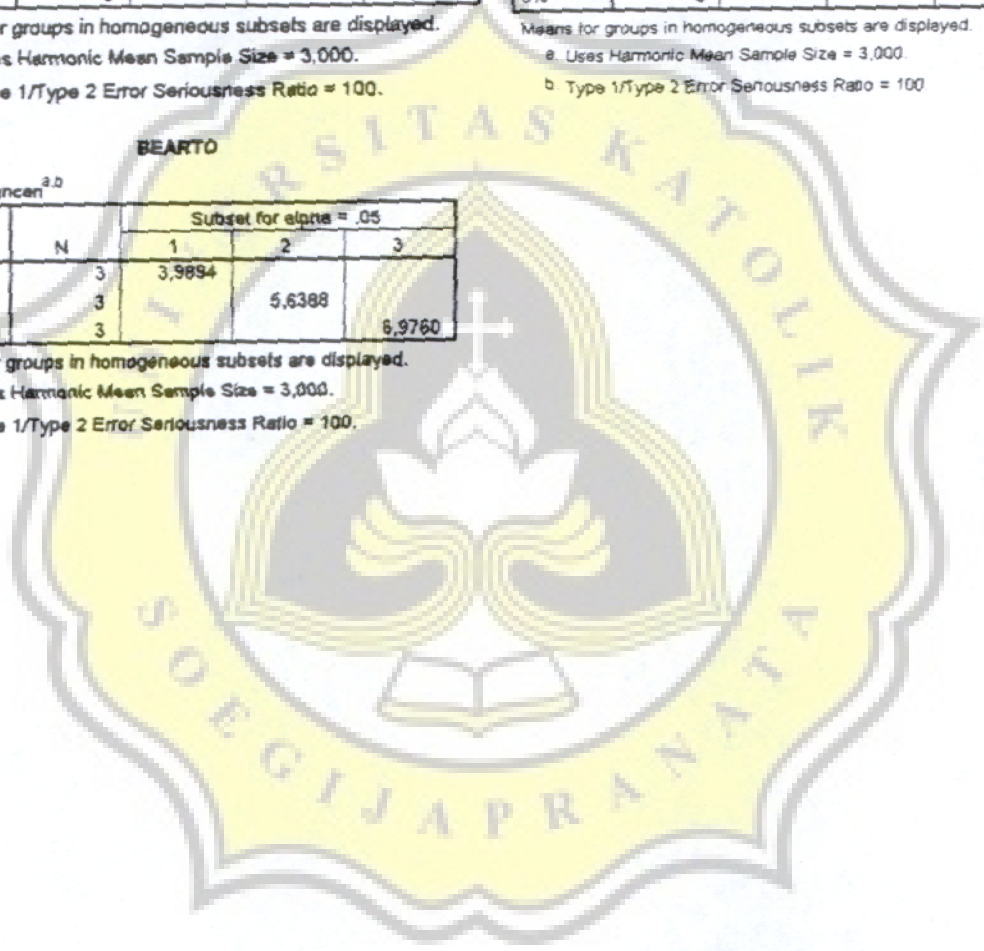
Waller-Duncan^{a,b}

KADARO	N	Subset for alpha = .05		
		1	2	3
50%	3	3,9894		
25%	3		5,6388	
0%	3			6,9760

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

b. Type 1/Type 2 Error Seriousness Ratio = 100.



LAMPIRAN 20

HASIL Uji ANOVA KIMIA SPONGE CAKE OVEN

Oneway

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
ABUO	0%	3	1,3905	5,113E-02	2,952E-02	1,2635	1,5175	1,34	1,44
	25%	3	1,7888	3,021E-02	1,744E-02	1,6915	1,8418	1,73	1,79
	50%	3	1,8551	5,552E-02	3,205E-02	1,7172	1,9930	1,81	1,92
	Total	9	1,8707	,2174	7,248E-02	1,5038	1,8378	1,34	1,92
SERATO	0%	3	1,1634	6,960E-02	4,018E-02	,9805	1,3283	1,10	1,23
	25%	3	1,7198	,1229	7,098E-02	1,4134	2,0242	1,64	1,86
	50%	3	2,0482	8,379E-02	4,838E-02	1,8401	2,2564	1,98	2,14
	Total	9	1,6401	,4006	,1335	1,3323	1,8479	1,10	2,14
LEMAKO	0%	3	33,3450	,3027	,1748	32,5931	34,0970	33,08	33,88
	25%	3	32,2646	8,507E-02	3,767E-02	32,1030	32,4263	32,19	32,31
	50%	3	31,3108	,2813	,1509	30,6617	31,9600	31,03	31,54
	Total	9	32,3068	,9044	,3015	31,6117	33,0020	31,03	33,66
PROTO	0%	3	9,0492	1,0267	,5927	6,4988	11,5998	8,30	10,22
	25%	3	13,3078	,4879	,2817	12,0957	14,5195	12,78	13,73
	50%	3	21,0792	1,2775	,7378	17,9057	24,2528	19,80	22,38
	Total	9	14,4787	5,3514	1,7838	10,3652	18,5922	8,30	22,36
AIRO	0%	3	22,8358	,9757	,5633	20,4118	25,2594	22,04	23,93
	25%	3	23,6738	,5955	,3438	22,1944	25,1532	23,22	24,35
	50%	3	26,0936	,2313	,1336	25,5190	26,6683	25,84	26,30
	Total	9	24,2010	1,5769	,5256	22,9889	25,4131	22,04	26,30
KAROO	0%	3	32,2253	1,0031	,5792	29,7344	34,7182	31,27	33,27
	25%	3	27,2687	,1467	8,472E-02	26,9041	27,6332	27,18	27,44
	50%	3	17,6130	1,2260	,7078	14,5674	20,6585	16,65	18,99
	Total	9	25,7026	6,4848	2,1818	20,7180	30,6873	16,65	33,27
BETAO	0%	3	20807,94	1110,6538	641,2383	18048,9284	23566,9603	19696,12	21777,40
	25%	3	33487,78	1418,7641	819,1238	29983,3779	37012,1887	31888,07	34510,45
	50%	3	51351,88	1408,8680	813,9882	47649,5679	54854,1854	50400,15	52971,59
	Total	9	35215,87	13338,4050	4448,1350	24963,0621	45468,6735	19596,12	52971,59

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
ABUO	Between Groups	,365	2	,183	82,853	,000
	Within Groups	1,322E-02	6	2,203E-03		
	Total	,378	8			
SERATO	Between Groups	1,229	2	,614	68,328	,000
	Within Groups	5,396E-02	6	8,993E-03		
	Total	1,283	8			
LEMAKO	Between Groups	6,215	2	3,107	56,789	,000
	Within Groups	,328	6	5,472E-02		
	Total	6,543	8			
PROTO	Between Groups	223,255	2	111,628	114,523	,000
	Within Groups	5,848	6	,975		
	Total	229,103	8			
AIRO	Between Groups	17,173	2	8,587	18,938	,003
	Within Groups	2,720	6	,453		
	Total	19,893	8			
KAROO	Between Groups	331,360	2	165,680	196,392	,000
	Within Groups	5,062	6	,844		
	Total	336,422	8			
BETAO	Between Groups	1,41E+09	2	706418018,3	404,888	,000
	Within Groups	10468348	6	1744724,842		
	Total	1,42E+09	8			

Post Hoc Tests

Homogeneous Subsets

ABUO

Waller-Duncan^{a,b}

KADARO	N	Subset for alpha = .05	
		1	2
0%	3	1,3905	
25%	3		1,7686
50%	3		1,8551

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
b. Type 1/Type 2 Error Seriousness Ratio = 100.

SERATO

Waller-Duncan^{a,b}

KADARO	N	Subset for alpha = .05		
		1	2	3
0%	3	1,1534		
25%	3		1,7188	
50%	3			2,0482

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
b. Type 1/Type 2 Error Seriousness Ratio = 100.

LEMAKO

Waller-Duncan^{a,b}

KADARO	N	Subset for alpha = .05		
		1	2	3
50%	3	31,3108		
25%	3		32,2646	
0%	3			33,3450

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
b. Type 1/Type 2 Error Seriousness Ratio = 100.

PROTO

Waller-Duncan^{a,b}

KADARO	N	Subset for alpha = .05		
		1	2	3
0%	3	9,0492		
25%	3		13,3076	
50%	3			21,0792

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
b. Type 1/Type 2 Error Seriousness Ratio = 100.

AIRO

Waller-Duncan^{a,b}

KADARO	N	Subset for alpha = .05	
		1	2
0%	3	22,8368	
25%	3	23,6738	
50%	3		26,0838

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.

KAROO

Waller-Duncan^{a,b}

KADARO	N	Subset for alpha = .05		
		1	2	3
50%	3	17,8130		
25%	3		27,2687	
0%	3			32,2283

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.

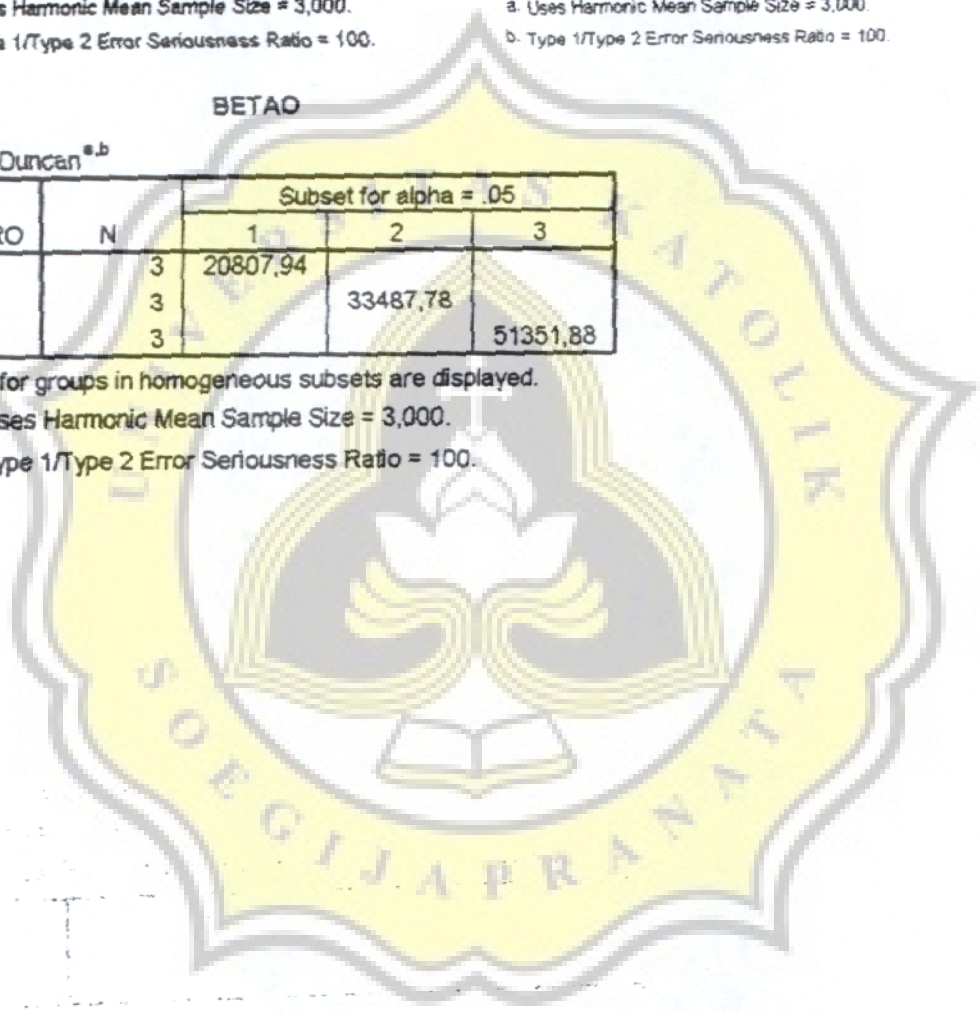
BETAO

Waller-Duncan^{a,b}

KADARO	N	Subset for alpha = .05		
		1	2	3
0%	3	20807,94		
25%	3		33487,78	
50%	3			51351,88

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 3,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.



LAMPIRAN 21

HASIL ANALISA T-Test FISIK SPONGE CAKE 0%

Group Statistics

	PERLA	N	Mean	Std. Deviation	Std. Error Mean
DENSITAS	Kukus	3	.4543	3,961E-02	2,287E-02
	Oven	3	.3439	2,116E-02	1,221E-02
VOLUME	Kukus	3	69,4435	3,3281	1,9215
	Oven	3	74,1049	1,0613	,6128
BERAT	Kukus	3	.9637	,1080	6,233E-02
	Oven	3	6,9760	,1248	7,203E-02
KERAS	Kukus	3	3,1770	,2217	,1280
	Oven	3	3,1770	,2289	,1310

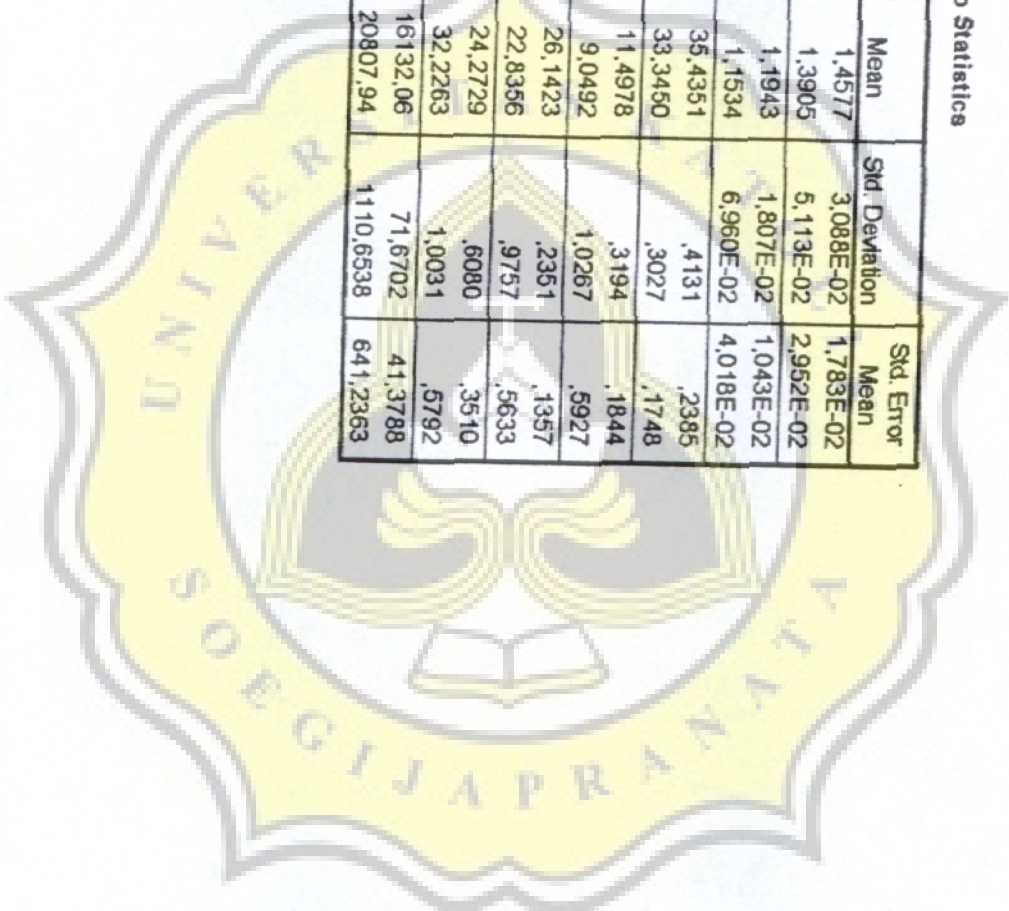
Independent Samples Test

	DENSITAS	Equal variances assumed	F	Levene's Test for Equality of Variances		df	Sig. (2-tailed)	t-Test for Equality of Means		95% Confidence Interval of the Difference	
				Sig.	1			Mean Difference	Std. Error Difference	Lower	Upper
		Equal variances not assumed	.638	.469	4,257	4	.013	.1104	2,592E-02	3,838E-02	.1823
		Equal variances assumed	6,328	.066	4,257	3,054	.023	.1104	2,592E-02	2,868E-02	.1920
	VOLUME	Equal variances assumed	287	.621	-2,311	4	.082	-4,5614	2,0168	-10,2609	.9382
		Equal variances not assumed	287	.621	-2,311	2,403	.126	-4,5614	2,0168	-12,0841	2,7614
	BERAT	Equal variances assumed	.004	.951	-63,116	4	.000	-6,0124	9,526E-02	-6,2769	-5,7479
		Equal variances not assumed	.004	.951	-63,116	3,919	.000	-6,0124	9,526E-02	-6,2790	-5,7467
	KERAS	Equal variances assumed			.000	4	1,000	.0000	.1832	-.5085	.5085
		Equal variances not assumed			.000	3,998	1,000	.0000	.1832	-.5086	.5086

HASIL ANALISA T-Test KIMIA SPONGE CAKE 0%

Group Statistics

	PERLA	N	Mean	Std. Deviation	Std. Error Mean
ABU	Kukus	3	1,4577	3,088E-02	1,783E-02
	Oven	3	1,3905	5,113E-02	2,952E-02
SEFRAT	Kukus	3	1,1943	1,807E-02	1,043E-02
	Oven	3	1,1534	6,960E-02	4,018E-02
LEMAK	Kukus	3	35,4351	,4131	,2385
	Oven	3	33,3450	,3027	,1748
PROTEIN	Kukus	3	11,4978	,3194	,1844
	Oven	3	9,0492	1,0267	,5927
AIR	Kukus	3	26,1423	,2351	,1357
	Oven	3	22,8356	,9757	,5633
KARBOHI	Kukus	3	24,2729	,6080	,3510
	Oven	3	32,2263	1,0031	,5792
BETA	Kukus	3	16132,06	71,6702	41,3788
	Oven	3	20807,94	1110,6538	641,2363



Independent Samples Test

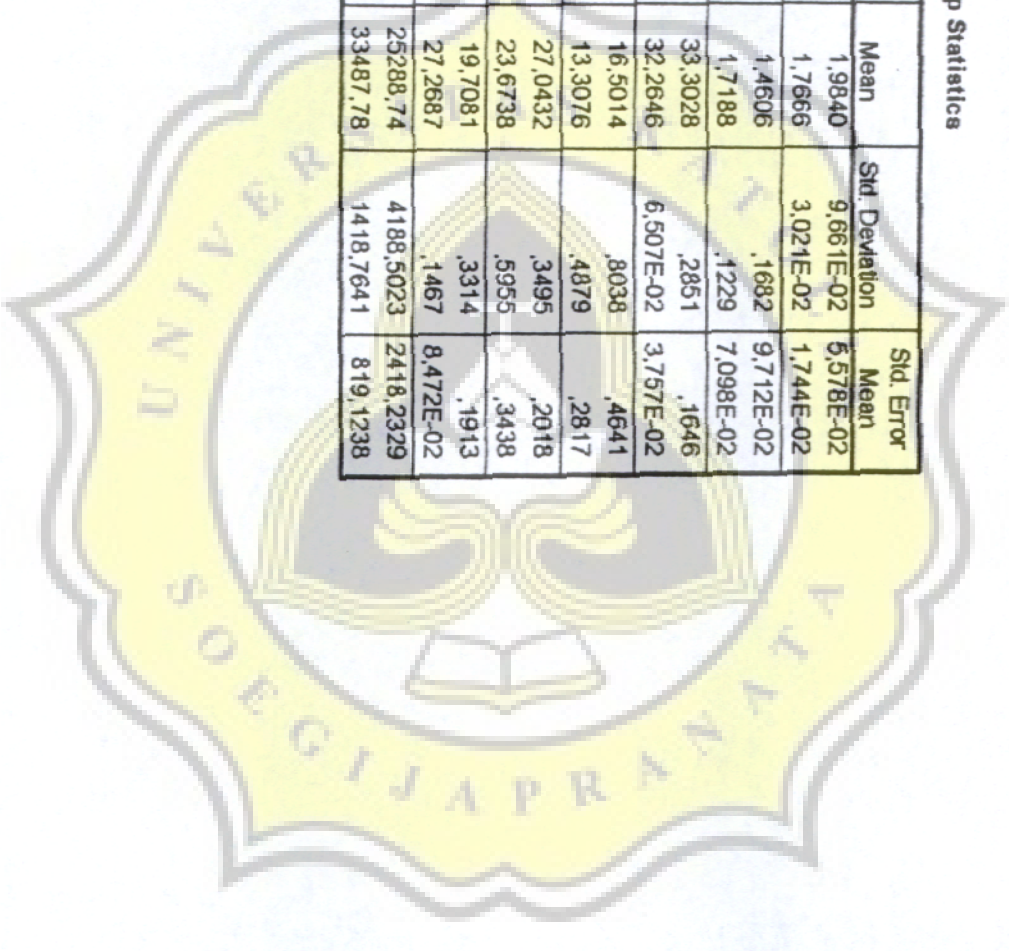
	Levene's Test for Equality of Variances		t-test for Equality of Means							
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference		
								Lower	Upper	
ABU Equal variances assumed	.411	.566	1,948	4	.123	6,717E-02	3,448E-02	-2,86E-02	.1629	
Equal variances not assumed			1,948	3,288	.138	6,717E-02	3,448E-02	-3,73E-02	.1717	
SERAT Equal variances assumed	6,074	.069	.986	4	.380	4,091E-02	4,152E-02	-7,44E-02	.1562	
Equal variances not assumed			.986	2,268	.418	4,091E-02	4,152E-02	-.1189	.2007	
LEMAK Equal variances assumed	.152	.717	7,068	4	.002	2,09900	.2957	1,2891	2,9110	
Equal variances not assumed			7,068	3,667	.003	2,09900	.2957	1,2388	2,9413	
PROTEIN Equal variances assumed	5,565	.078	3,944	4	.017	2,4486	.6208	.7251	4,1721	
Equal variances not assumed			3,944	2,384	.044	2,4486	.6208	.1500	4,7472	
AIR Equal variances assumed	5,428	.080	5,707	4	.005	3,3067	.5794	1,6979	4,9154	
Equal variances not assumed			5,707	2,231	.023	3,3067	.5794	1,0456	5,5677	
KARBOHI Equal variances assumed	.538	.504	-11,744	4	.000	-7,9534	.6772	-9,8337	-6,0731	
Equal variances not assumed			-11,744	3,295	.001	-7,9534	.6772	-10,0036	-5,9032	
BETA Equal variances assumed	6,716	.061	-7,277	4	.002	-4675,8800	642,5700	-6459,94	-2891,82	
Equal variances not assumed			-7,277	2,017	.018	-4675,8800	642,5700	-7418,87	-1932,89	

LAMPIRAN 23

HASIL ANALISA T-Test KIMIA SPONGE CAKE 25%

Group Statistics

	PERLA	N	Mean	Std. Deviation	Std. Error Mean
ABU	Kukus	3	1,9840	9,661E-02	5,578E-02
	Oven	3	1,7666	3,021E-02	1,744E-02
SERAT	Kukus	3	1,4606	,1682	9,712E-02
	Oven	3	1,7188	,1229	7,098E-02
LEMAK	Kukus	3	33,3028	,2851	,1646
	Oven	3	32,2646	6,507E-02	3,757E-02
PROTEIN	Kukus	3	16,5014	,8038	,4641
	Oven	3	13,3076	,4879	,2817
AIR	Kukus	3	27,0432	,3495	,2018
	Oven	3	23,6738	,5955	,3438
KARBOHI	Kukus	3	19,7081	,3314	,1913
	Oven	3	27,2687	,1467	8,472E-02
BETA	Kukus	3	25288,74	4188,5023	2418,2329
	Oven	3	33487,78	1418,7641	819,1238



Independent Samples Test

	Levene's Test for Equality of Variances		t-Test for Equality of Means									
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference				
								Lower	Upper			
ABU	Equal variances assumed Equal variances not assumed	1,852 1,652	.268 .268	3,720 3,720	4 4	.020 .020	.2174 .2174	5,844E-02 5,844E-02	5,513E-02 5,513E-02	.3797 .3797		
SERAT	Equal variances assumed Equal variances not assumed	.271 .271	.630 .630	-2,146 -2,146	4 4	.098 .098	-.2582 -.2582	5,844E-02 5,844E-02	1,271E-03 1,271E-03	.4335 .4335		
LEMAK	Equal variances assumed Equal variances not assumed	2,507 2,507	.188 .188	6,148 6,148	4 4	.004 .004	1,0382 1,0382	.1889 .1889	-.8047 -.8047	8,832E-02 8,832E-02		
PROTEIN	Equal variances assumed Equal variances not assumed	.643 .643	.468 .468	6,148 6,148	2,208 2,208	.020 .020	1,0382 1,0382	.1889 .1889	.3734 .3734	1,7030 1,7030		
AIR	Equal variances assumed Equal variances not assumed	1,472 1,472	.292 .292	8,452 8,452	4 4	.001 .001	3,3894 3,3894	.3987 .3987	1,5512 1,5512	4,8365 4,8365		
KARBOHI	Equal variances assumed Equal variances not assumed	1,501 1,501	.288 .288	8,452 8,452	3,231 3,231	.003 .003	3,3894 3,3894	.3987 .3987	2,1505 2,1505	4,5882 4,5882		
BETA	Equal variances assumed Equal variances not assumed	3,739 3,739	.125 .125	-3,211 -3,211	4 4	.033 .033	-8199,0400 -8199,0400	.2093 .2093	-8,2613 -8,2613	-6,8598 -6,8598		
					2,453	.065	-8199,0400	2553,1969	-17452,2	1054,1400		

LAMPIRAN 24

HASIL ANALISA T-Test FISIK SPONGE CAKE 25%

Group Statistics

	PERLA	N	Mean	Std. Deviation	Std. Error Mean
DENSITAS	Kukus	3	.5157	5.350E-03	3.089E-03
	Oven	3	.4550	9.125E-03	5.289E-03
VOLUME	Kukus	3	80.4423	4.2877	2.4640
	Oven	3	64.9838	.8518	.3762
BERAT	Kukus	3	.5438	.1010	5.830E-02
	Oven	3	5.8398	.5019	.2897
KERAS	Kukus	3	2.2887	.3815	.2203
	Oven	3	2.7840	.2869	.1310

Independent Samples Test

	Levene's Test for Equality of Variances			t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper	
DENSITAS										
	Equal variances assumed	.627	.473	9.948	4	.001	6.076E-02	6.107E-03	4.380E-02	7.771E-02
	Equal variances not assumed			9.948	3.230	.002	6.076E-02	6.107E-03	4.208E-02	7.943E-02
VOLUME										
	Equal variances assumed	6.164	.068	-1.822	4	.143	-4.5413	2.4925	-11.4816	2.3790
	Equal variances not assumed			-1.822	2.093	.204	-4.5413	2.4925	-14.8208	5.7383
BERAT										
	Equal variances assumed	3.349	.141	-17.239	4	.000	-5.0952	.2956	-5.9158	-4.2746
	Equal variances not assumed			-17.239	2.162	.002	-5.0952	.2956	-6.2799	-3.9104
KERAS										
	Equal variances assumed	.353	.585	-1.933	4	.125	-.4953	.2563	-1.2089	.2162
	Equal variances not assumed			-1.933	3.258	.141	-.4953	.2563	-1.2756	.2849

LAMPIRAN 25

HASIL ANALISA T-Test FISIK SPONGE CAKE 50%

Group Statistics

	PERLA	N	Mean	Std. Deviation	Std. Error Mean
DENSITAS	Kukus	3	.5751	7,853E-03	4,534E-03
	Oven	3	.4975	9,437E-03	5,449E-03
VOLUME	Kukus	3	53,5606	1,1332	,6543
	Oven	3	57,8276	1,8014	1,0400
BERAT	Kukus	3	.2129	.1049	6,057E-02
	Oven	3	3,9894	4,721E-02	2,727E-02
KERAS	Kukus	3	1,7800	.2200	.1270
	Oven	3	2,8703	.3815	.2203

Independent Samples Test

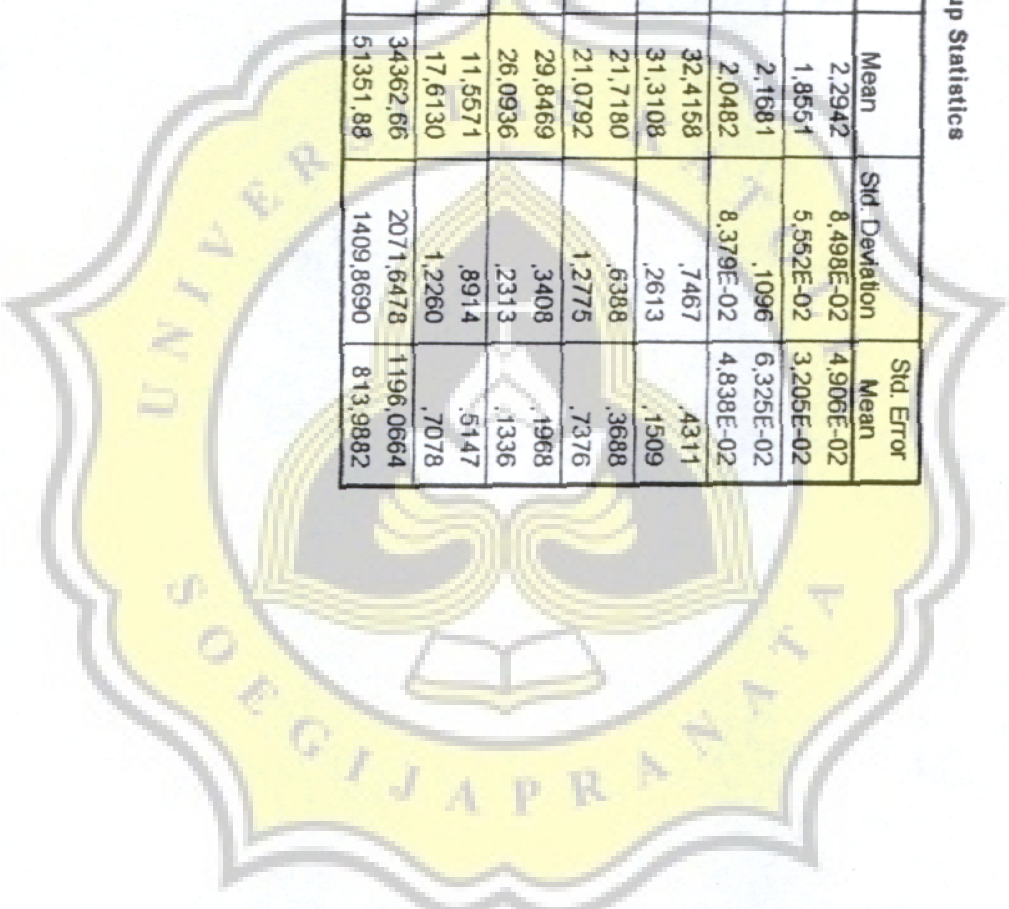
		Levene's Test for Equality of Variances			t-test for Equality of Means							
		F	Sig.		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	Lower	Upper
DENSITAS	Equal variances assumed	.013	.914	10,945	4	.000	7,758E-02	7,088E-03	5,790E-02	9,726E-02		
	Equal variances not assumed			10,945	3,872	.000	7,758E-02	7,088E-03	5,764E-02	9,752E-02		
VOLUME	Equal variances assumed	1,490	.289	-3,473	4	.026	-4,2870	1,2287	-7,6784	-8,555		
	Equal variances not assumed			-3,473	3,389	.034	-4,2870	1,2287	-7,9460	-5,879		
BERAT	Equal variances assumed	.993	.376	-56,855	4	.000	-3,7765	6,642E-02	-3,9909	-3,5921		
	Equal variances not assumed			-56,855	2,779	.000	-3,7765	6,642E-02	-3,9977	-3,5552		
KERAS	Equal variances assumed	.404	.560	-3,502	4	.075	-8,903	.2543	-1,5962	-1,944		
	Equal variances not assumed			-3,502	3,197	.036	-8,903	.2543	-1,6719	-1,087		

LAMPIRAN 26

HASIL ANALISIS T-Test KIMIA SPONGE CAKE 50%

Group Statistics

	PERLA	N	Mean	Std. Deviation	Std. Error Mean
ABU	Kukus Oven	3	2,2942	8,498E-02	4,906E-02
		3	1,8551	5,552E-02	3,205E-02
SERAT	Kukus Oven	3	2,1681	.1096	6,325E-02
		3	2,0482	8,379E-02	4,838E-02
LEMAK	Kukus Oven	3	32,4158	.7467	4311
		3	31,3108	.2613	1509
PROTEIN	Kukus Oven	3	21,7180	.6388	3688
		3	21,0792	1,2775	7376
AIR	Kukus Oven	3	29,8469	.3408	1968
		3	26,0936	.2313	1336
KARBOHI	Kukus Oven	3	11,5571	.8914	5147
		3	17,6130	1,2260	7078
BETA	Kukus Oven	3	34362,66	2071,6478	1196,0664
		3	51351,88	1409,8690	813,9882



Independent Samples Test

	Levene's Test for Equality of Variances				t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference			
								Lower	Upper		
ABU	Equal variances assumed Equal variances not assumed	1,202	,334	7,493	4	,002	,4391	5,860E-02	,2764	,6019	
SERAT	Equal variances assumed Equal variances not assumed	,184	,690	1,505	4	,207	,1198	7,963E-02	-,1012	,3409	
LEMAK	Equal variances assumed Equal variances not assumed	2,314	,203	2,419	4	,073	1,1049	7,963E-02	-,1074	,3470	
PROTEIN	Equal variances assumed Equal variances not assumed	,900	,422	,775	4	,482	1,1049	,4567	-,1632	2,3730	
AIR	Equal variances assumed Equal variances not assumed	,559	,486	15,782	4	,000	,6388	,4567	-,5359	2,7458	
KARBOHI	Equal variances assumed Equal variances not assumed	,553	,498	-6,920	4	,002	-6,0559	,8246	-1,6508	2,9283	
BETA	Equal variances assumed Equal variances not assumed	,682	,455	-11,743	4	,000	-6,0559	,8246	-2,0156	3,2931	

LAMPIRAN 27

PERHITUNGAN AKG (ANGKA KECUKUPAN GIZI) VITAMIN A (FAO)

1 RE = 6 µg Beta-karoten

1 µg Beta-karoten = 10-6 gram Beta-karoten = 10-3 mg Beta-karoten

1 mg Beta-karoten = 1667 SI

Cara

Laki-laki dewasa = 750 RE

$$\frac{750 \times 6 \times 0,001 \times 1667}{25288,74} \times 455,8 \text{ gram} = 135,21 \text{ gram}$$

Keterangan	AKG (RE)	AKG (Gram)
Laki-laki dewasa	750	135.21
Wanita dewasa	750	135.21
Wanita hamil	750	135.21
Wanita menyusui	1200	216.33
Anak :		
1-3 tahun	250	45.07
4-6 tahun	300	54.08
7-10 tahun	400	72.11
Pria :		
10-12 tahun	575	103.66
13-15 tahun	725	130.70
16-19 tahun	750	135.21
Wanita :		
10-12 tahun	575	103.66
13-15 tahun	725	130.70
16-19 tahun	750	135.21

