

SNI



SNI 01-2713-1992



KERUPUK IKAN

1. RUANG LINGKUP

Standar ini meliputi ruang lingkup, definisi, syarat mutu, cara pengambilan contoh, cara uji, cara pengemasan dan syarat penandaan kerupuk ikan.

2. DEFINISI

kerupuk ikan adalah suatu produk makanan kering, yang dibuat dari tepung pati dan daging ikan dengan penambahan bahan-bahan lain yang sesuai dengan makanan.

3. SYARAT MUTU

TABEL
SYARAT MUTU KERUPUK IKAN

No.	Uraian	Persyaratan
1	Rasa dan aroma	Khas kerupuk ikan
2	Serangga dalam bentuk stadia dan potongan-potongan serta benda-benda asing	Tidak ternyata
3	Kapang	Tidak ternyata
4	air	Maks. 12
5	Abu tanpa garam, %	Maks. 1
6	Protein, %	Min. 5
7	Serat kasar, %	Maks. 1
8	Bahan tambahan makanan	Tidak ternyata, sesuai dengan peraturan yang berlaku
9	Logam-logam berbahaya (Pb, Cu, Hg) & Ar	Tidak ternyata, sesuai dengan peraturan yang berlaku

4.1 Rasa dan Aroma

rasa dan aroma ditetapkan secara organoleptik, setelah kerupuk digoreng dengan minyak goreng yang sesuai dengan SNI.

4.2 Kapang

4.2.1 Prosedur

diuji secara visual. Adanya masalah kapang pada permukaan kerupuk diamati dengan kaca pembesar (loupe).

4.3 Kadar Air

4.3.1 Peralatan

- a. neraca analitik
- b. Oven (lemari pengering)
- c. Botol timbang
- d. Eksikator

4.3.2 Prosedur

timbang teliti 5 gr contoh dalam botol timbang yang sudah diketahui bobotnya, selanjutnya panaskan 105°C dalam lemari pengering (oven) hingga bobot tetap, dinginkan dalam ekskator dan timbang.

$$\text{Kadar air} = \frac{\text{kekeringan bobot contoh} \times 100\%}{\text{Bobot contoh}}$$

Lampiran 2. Lembar Kuisisioner Kerupuk Kulit Ikan Kakap Koli

Lembar Kuisisioner

Tanggal :
 Nama :
 Jenis Kelamin :
 Umur :

Pada kesempatan kali ini, peneliti meminta bantuan saudara untuk melakukan Uji Organoleptik terhadap beberapa sampel kerupuk kulit ikan kakap koli. Saudara cukup menuliskan berdasarkan parameter yang tersedia.

Atas kerjasamanya peneliti mengucapkan terima kasih.

A. Sampel Kerupuk Kulit Ikan Kakap Koli Mentah

SAMPEL	WARNA	AROMA	TEKSTUR	OVERALL
321				
458				
574				
237				

B. Sampel Kerupuk Kulit Ikan Kakap Koli Goreng

SAMPEL	WARNA	AROMA	KERENYAHAN	OVERALL
198				
180				
281				
732				

Kriteria Penilaian :

- 1 = Sangat tidak suka
- 2 = Tidak suka
- 3 = Agak suka
- 4 = Suka
- 5 = Sangat suka

Lampiran 3. Hasil SPSS Kadar Air

Tests of Normality

PENGEMAS	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
KDR_AIR	PE 0.5	.214	6	.200*	.879	6	.265
	PE 0.7	.220	6	.200*	.860	6	.189
	PP 0.5	.329	6	.042	.752	6	.021
	PP 0.7	.205	6	.200*	.895	6	.348
KDR_AIR1	PE 0.5	.210	6	.200*	.936	6	.624
	PE 0.7	.295	6	.112	.860	6	.188
	PP 0.5	.216	6	.200*	.896	6	.350
	PP 0.7	.188	6	.200*	.958	6	.807
KDR_AIR2	PE 0.5	.185	6	.200*	.960	6	.822
	PE 0.7	.135	6	.200*	.984	6	.968
	PP 0.5	.206	6	.200*	.917	6	.481
	PP 0.7	.130	6	.200*	.986	6	.976
KDR_AIR3	PE 0.5	.243	6	.200*	.932	6	.596
	PE 0.7	.253	6	.200*	.941	6	.665
	PP 0.5	.209	6	.200*	.915	6	.468
	PP 0.7	.192	6	.200*	.911	6	.440
KDR_AIR4	PE 0.5	.204	6	.200*	.960	6	.821
	PE 0.7	.216	6	.200*	.937	6	.633
	PP 0.5	.190	6	.200*	.925	6	.545
	PP 0.7	.233	6	.200*	.871	6	.230
KDR_AIR5	PE 0.5	.231	6	.200*	.940	6	.657
	PE 0.7	.192	6	.200*	.893	6	.335
	PP 0.5	.162	6	.200*	.934	6	.611
	PP 0.7	.155	6	.200*	.956	6	.790
KDR_AIR6	PE 0.5	.163	6	.200*	.958	6	.806
	PE 0.7	.234	6	.200*	.866	6	.211
	PP 0.5	.151	6	.200*	.965	6	.860
	PP 0.7	.217	6	.200*	.966	6	.868

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean			Minimum	Maximum
					Lower Bound	Upper Bound	Mean		
KDR_AR									
PE 0.5	6	17.91833	6.003437	2.450893	11.61811	24.21855	10.750	24.560	
PE 0.7	6	20.14667	8.447879	3.448832	11.28116	29.01277	10.000	29.210	
PP 0.5	6	19.35883	6.931888	2.829850	12.08247	26.63179	10.250	25.130	
PP 0.7	6	18.41667	6.942615	2.834311	11.13084	25.70249	10.250	26.510	
Total	24	18.95953	6.711302	1.369839	16.12559	21.79356	10.000	29.210	
KDR_AIR1									
PE 0.5	6	25.17050	10.17434	4.15306	24.10277	26.23873	23.830	26.447	
PE 0.7	6	26.71883	8.00580	3.26835	25.87868	27.55899	25.736	27.755	
PP 0.5	6	23.89167	3.703973	1.512141	20.00459	27.77875	17.350	27.460	
PP 0.7	6	31.47700	1.324051	5.40541	30.08749	32.86661	29.230	33.150	
Total	24	26.81450	3.512126	7.16910	25.33146	28.29754	17.350	33.150	
KDR_AIR2									
PE 0.5	6	29.62900	2.465620	1.005644	21.00760	26.21240	20.000	26.000	
PE 0.7	6	29.75000	4.511771	1.841923	25.01519	34.48481	24.050	36.920	
PP 0.5	6	34.08667	5.077218	2.072766	28.75845	39.41488	28.000	40.670	
PP 0.7	6	29.88917	2.016727	823326	26.76674	30.99989	26.235	31.854	
Total	24	29.88521	5.163704	1.054037	26.90577	31.26665	20.000	40.670	
KDR_AIR3									
PE 0.5	6	32.05750	1.481917	5.04590	30.50232	33.61268	30.270	34.060	
PE 0.7	6	33.97167	3.693656	1.48547	33.59495	34.34839	33.440	34.430	
PP 0.5	6	32.33833	1.684974	687888	30.57005	34.10660	30.230	34.310	
PP 0.7	6	27.78667	2.64474	1.07971	27.50912	28.05422	27.500	28.150	
Total	24	31.53854	2.567387	5.24056	30.45443	32.62265	27.500	34.430	
KDR_AIR4									
PE 0.5	6	29.87000	1.078647	4.40356	28.73603	31.00197	28.270	31.250	
PE 0.7	6	29.33633	920614	3980936	27.00670	29.00094	26.940	29.420	
PP 0.5	6	32.96667	1.393437	568868	31.50434	34.42899	31.250	34.640	
PP 0.7	6	29.47017	954993	389707	28.46839	30.47194	28.210	30.441	
Total	24	30.16004	2.034961	4.15385	29.30076	31.01933	26.940	34.640	
KDR_AIR5									
PE 0.5	6	30.18000	1.117354	4.66158	29.00741	31.35259	28.770	31.750	
PE 0.7	6	31.53167	2.474715	1.010298	28.93461	34.12872	28.950	34.680	
PP 0.5	6	35.42633	464647	189691	34.94077	35.91595	34.800	36.950	
PP 0.7	6	27.16667	1.227089	5.00957	25.87882	28.45442	25.250	28.570	
Total	24	31.07667	3.342015	6.62186	29.66546	32.48788	25.250	36.950	
KDR_AIR6									
PE 0.5	6	31.64333	995483	406404	30.59864	32.68803	30.150	32.790	
PE 0.7	6	29.56833	635875	259595	28.90102	30.23564	29.030	30.650	
PP 0.5	6	28.90667	1.966262	802723	26.84300	30.97013	26.100	31.310	
PP 0.7	6	28.35167	864949	353114	27.44396	29.25937	27.070	29.600	
Total	24	29.61750	1.710993	3.49255	28.89501	30.33999	26.100	32.790	

KDR_AIR

Duncan^a

Pengemas	N	Subset for Alpha = .05		
		1	2	3
PE 0,5_0	6	17.91833		
PE 0,7_0	6	20.14667		
PP 0,5_0	6	19.35883		
PP 0,7_0	6	18.41667		
PE 0,5_1	6	25.17050	25.17050	
PE 0,7_1	6		26.71883	
PP 0,5_1	6	23.89167		
PP 0,7_1	6			31.47700
PE 0,5_2	6	23.62500		
PE 0,7_2	6		29.75000	20.75000
PP 0,5_2	6			34.08667
PP 0,7_2	6		28.88317	
PE 0,5_3	6		32.05750	
PE 0,7_3	6			33.97167
PP 0,5_3	6		32.33833	
PP 0,7_3	6	27.78667		
PE 0,5_4	6		29.87000	
PE 0,7_4	6	28.33333		
PP 0,5_4	6			32.96667
PP 0,7_4	6	29.47017	29.47017	
PE 0,5_5	6		30.18000	
PE 0,7_5	6		31.53167	
PP 0,5_5	6			35.42833
PP 0,7_5	6	27.16667		
PE 0,5_6	6		31.64333	
PE 0,7_6	6	29.56833		
PP 0,5_6	6	28.90667		
PP 0,7_6	6	28.35167		

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 6.000

Lampiran 4. Hasil SPSS Aw (Aktifitas Air)

Tests of Normality

PENGEMAS	Kolmogorov-Smimov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
AW0	PE 0.5	.168	6	.200*	.985	6	.973
	PE 0.7	.163	6	.200*	.954	6	.772
	PP 0.5	.185	6	.200*	.951	6	.745
	PP 0.7	.216	6	.200*	.943	6	.684
AW1	PE 0.5	.147	6	.200*	.975	6	.924
	PE 0.7	.215	6	.200*	.902	6	.386
	PP 0.5	.232	6	.200*	.908	6	.425
	PP 0.7	.239	6	.200*	.898	6	.365
AW2	PE 0.5	.283	6	.200*	.823	6	.093
	PE 0.7	.226	6	.200*	.881	6	.273
	PP 0.5	.255	6	.200*	.811	6	.074
	PP 0.7	.274	6	.178	.873	6	.238
AW3	PE 0.5	.267	6	.200*	.809	6	.070
	PE 0.7	.204	6	.200*	.918	6	.493
	PP 0.5	.209	6	.200*	.907	6	.415
	PP 0.7	.225	6	.200*	.958	6	.803
AW4	PE 0.5	.268	6	.200*	.939	6	.650
	PE 0.7	.247	6	.200*	.871	6	.232
	PP 0.5	.293	6	.117	.915	6	.473
	PP 0.7	.211	6	.200*	.956	6	.788
AW5	PE 0.5	.269	6	.200	.818	6	.084
	PE 0.7	.272	6	.189	.817	6	.083
	PP 0.5	.232	6	.200*	.901	6	.378
	PP 0.7	.190	6	.200*	.924	6	.538
AW6	PE 0.5	.141	6	.200*	.980	6	.819
	PE 0.7	.154	6	.200*	.946	6	.708
	PP 0.5	.177	6	.200*	.938	6	.641
	PP 0.7	.238	6	.200*	.950	6	.737

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
AW0	6	.6833	.02887	.01179	.6530	.7136	.64	.72
PE 0.5	6	.6868	.01641	.00670	.6696	.7041	.67	.71
PE 0.7	6	.6742	.01230	.00502	.6613	.6871	.66	.69
PP 0.5	6	.6780	.00525	.00214	.6725	.6835	.67	.69
PP 0.7	6	.6806	.01742	.00355	.6732	.6879	.64	.72
Total	24							
AW1	6	.8093	.01269	.00518	.7960	.8227	.79	.83
PE 0.5	6	.8080	.00529	.00216	.8024	.8136	.80	.81
PE 0.7	6	.8052	.01121	.00458	.7934	.8169	.79	.82
PP 0.5	6	.8407	.01303	.00532	.8270	.8543	.83	.86
PP 0.7	6	.8158	.01797	.00367	.8082	.8234	.79	.86
Total	24							
AW2	6	.8037	.00137	.00056	.8022	.8051	.80	.81
PE 0.5	6	.8165	.01084	.00443	.8051	.8279	.80	.83
PE 0.7	6	.7953	.00339	.00138	.7918	.7989	.79	.80
PP 0.5	6	.7948	.01038	.00424	.7839	.8057	.78	.81
PP 0.7	6	.8026	.01149	.00235	.7977	.8074	.78	.83
Total	24							
AW3	6	.8238	.00160	.00065	.8222	.8255	.82	.83
PE 0.5	6	.8143	.00207	.00084	.8122	.8165	.81	.82
PE 0.7	6	.8243	.00121	.00049	.8231	.8256	.82	.83
PP 0.5	6	.7920	.00475	.00194	.7870	.7970	.79	.80
PP 0.7	6	.8138	.01329	.00271	.8082	.8194	.79	.83
Total	24							
AW4	6	.8125	.00582	.00238	.8064	.8186	.81	.82
PE 0.5	6	.8083	.01102	.00450	.7968	.8199	.80	.82
PE 0.7	6	.8293	.00103	.00042	.8282	.8304	.83	.83
PP 0.5	6	.8175	.00451	.00184	.8128	.8222	.81	.83
PP 0.7	6	.8169	.01015	.00207	.8126	.8212	.80	.83
Total	24							
AW5	6	.8527	.01450	.00592	.8374	.8679	.84	.87
PE 0.5	6	.8400	.01076	.00439	.8287	.8513	.83	.85
PE 0.7	6	.8615	.01211	.00494	.8488	.8742	.85	.87
PP 0.5	6	.8293	.00532	.00217	.8238	.8349	.82	.84
PP 0.7	6	.8459	.01628	.00332	.8390	.8527	.82	.87
Total	24							
AW6	6	.8338	.00366	.00149	.8300	.8377	.83	.84
PE 0.5	6	.8297	.00509	.00208	.8243	.8350	.82	.84
PE 0.7	6	.8383	.00528	.00216	.8328	.8439	.83	.85
PP 0.5	6	.8423	.00186	.00076	.8404	.8443	.84	.85
PP 0.7	6	.8360	.00624	.00127	.8334	.8387	.82	.85
Total	24							

Aw

Duncan^a

Pengemas	N	Subset for Alpha = .05		
		1	2	3
PE 0,5_0	6	0.6833		
PE 0,7_0	6	0.6868		
PP 0,5_0	6	0.6742		
PP 0,7_0	6	0.6780		
PE 0,5_1	6	0.8093		
PE 0,7_1	6	0.8080		
PP 0,5_1	6	0.8052		
PP 0,7_1	6		0.8407	
PE 0,5_2	6	0.8037		
PE 0,7_2	6		0.8165	
PP 0,5_2	6	0.7953		
PP 0,7_2	6	0.7948		
PE 0,5_3	6			0.8238
PE 0,7_3	6		0.8143	
PP 0,5_3	6			0.8243
PP 0,7_3	6	0.7928		
PE 0,5_4	6	0.8125	0.8125	
PE 0,7_4	6	0.8083		
PP 0,5_4	6			0.8293
PP 0,7_4	6		0.8175	
PE 0,5_5	6		0.8527	0.8527
PE 0,7_5	6	0.8400	0.8400	
PP 0,5_5	6			0.8615
PP 0,7_5	6	0.8293		
PE 0,5_6	6	0.8338	0.8338	
PE 0,7_6	6	0.8297		
PP 0,5_6	6		0.8383	0.8383
PP 0,7_6	6			0.8423

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 6.000

Lampiran 5. Hasil SPSS TBA

Tests of Normality

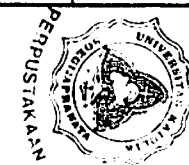
PENGEMAS	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
TBA_0	PE 0,5	.293	6	.117	6	.091
	PE 0,7	.407	6	.002	6	.001
	PP 0,5	.223	6	.200*	6	.421
	PP 0,7	.202	6	.200*	6	.167
TBA_1	PE 0,5	.275	6	.175	6	.040
	PE 0,7	.299	6	.102	6	.332
	PP 0,5	.262	6	.200*	6	.248
	PP 0,7	.223	6	.200*	6	.421
TBA_2	PE 0,5	.175	6	.200*	6	.926
	PE 0,7	.285	6	.138	6	.110
	PP 0,5	.286	6	.136	6	.022
	PP 0,7	.302	6	.094	6	.035
TBA_3	PE 0,5	.207	6	.200*	6	.743
	PE 0,7	.237	6	.200*	6	.062
	PP 0,5	.153	6	.200*	6	.794
	PP 0,7	.254	6	.200*	6	.212
TBA_4	PE 0,5	.267	6	.200*	6	.094
	PE 0,7	.246	6	.200*	6	.448
	PP 0,5	.218	6	.200*	6	.845
	PP 0,7	.237	6	.200*	6	.554
TBA_5	PE 0,5	.302	6	.094	6	.035
	PE 0,7	.237	6	.200*	6	.554
	PP 0,5	.391	6	.005	6	.001
	PP 0,7	.287	6	.134	6	.054
TBA_6	PE 0,5	.191	6	.200*	6	.352
	PE 0,7	.209	6	.200*	6	.415
	PP 0,5	.219	6	.200*	6	.649
	PP 0,7	.195	6	.200*	6	.191

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
						TBA_0	PE 0,5		
	PE 0,7	6	.1833	.00516	.00211	.1779	.1888	.18	.19
	PP 0,5	6	.1817	.01169	.00477	.1694	.1939	.17	.20
	PP 0,7	6	.1800	.00894	.00365	.1706	.1894	.17	.19
	Total	24	.1854	.01062	.00217	.1809	.1899	.17	.21
TBA_1	PE 0,5	6	.3533	.02422	.00989	.3279	.3788	.31	.37
	PE 0,7	6	.3100	.02966	.01211	.2789	.3411	.26	.34
	PP 0,5	6	.2850	.02074	.00847	.2632	.3068	.26	.31
	PP 0,7	6	.3217	.01169	.00477	.3094	.3339	.31	.34
	Total	24	.3175	.03274	.00668	.3037	.3313	.26	.37
TBA_2	PE 0,5	6	.4683	.02041	.00833	.4469	.4898	.44	.50
	PE 0,7	6	.3900	.01265	.00516	.3767	.4033	.37	.40
	PP 0,5	6	.3483	.01472	.00601	.3329	.3638	.33	.36
	PP 0,7	6	.3767	.01986	.00803	.3560	.3973	.36	.40
	Total	24	.3958	.04818	.00983	.3755	.4162	.33	.50
TBA_3	PE 0,5	6	.7917	.05193	.02120	.7372	.8462	.71	.85
	PE 0,7	6	.8650	.02811	.01147	.8355	.8945	.63	.89
	PP 0,5	6	.6217	.02483	.01014	.5956	.6477	.58	.65
	PP 0,7	6	.6183	.00753	.00307	.6104	.6262	.61	.63
	Total	24	.6742	.07785	.01589	.6413	.7070	.58	.85
TBA_4	PE 0,5	6	1.3383	.07026	.02868	1.2646	1.4121	1.28	1.47
	PE 0,7	6	1.1450	.17375	.07093	.9627	1.3273	.87	1.32
	PP 0,5	6	1.0167	.07967	.03252	.9331	1.1003	.90	1.14
	PP 0,7	6	1.0833	.01366	.00558	1.0690	1.0977	1.06	1.10
	Total	24	1.1458	.15523	.03169	1.0803	1.2114	.87	1.47
TBA_5	PE 0,5	6	1.5083	.00983	.00401	1.4980	1.5187	1.50	1.52
	PE 0,7	6	1.3767	.01366	.00558	1.3623	1.3910	1.36	1.40
	PP 0,5	6	1.0267	.04633	.01892	.9780	1.0753	1.00	1.12
	PP 0,7	6	1.1067	.05715	.02333	1.0467	1.1666	1.00	1.15
	Total	24	1.2546	.20293	.04142	1.1689	1.3403	1.00	1.52
TBA_6	PE 0,5	6	1.5700	.02000	.00816	1.5490	1.5910	1.55	1.60
	PE 0,7	6	1.4367	.01211	.00494	1.4240	1.4494	1.42	1.45
	PP 0,5	6	1.1150	.02588	.01057	1.0878	1.1422	1.08	1.15
	PP 0,7	6	1.1650	.01378	.00563	1.1505	1.1795	1.15	1.18
	Total	24	1.3217	.19336	.03947	1.2400	1.4033	1.08	1.60



TBA

Duncan^a

Pengemas	N	Subset for Alpha = .05			
		1	2	3	4
PE 0,5_0	6		0.1967		
PE 0,7_0	6	0.1833			
PP 0,5_0	6	0.1817			
PP 0,7_0	6	0.1800			
PE 0,5_1	6			0.3533	
PE 0,7_1	6	0.3100	0.3100		
PP 0,5_1	6	0.2850			
PP 0,7_1	6		0.3217		
PE 0,5_2	6			0.4683	
PE 0,7_2	6		0.3900		
PP 0,5_2	6	0.3483			
PP 0,7_2	6		0.3767		
PE 0,5_3	6			0.7917	
PE 0,7_3	6		0.6650		
PP 0,5_3	6	0.6217			
PP 0,7_3	6	0.6183			
PE 0,5_4	6		1.3383		
PE 0,7_4	6	1.1450			
PP 0,5_4	6	1.0167			
PP 0,7_4	6	1.0833			
PE 0,5_5	6			1.3767	1.5083
PE 0,7_5	6				
PP 0,5_5	6	1.0267			
PP 0,7_5	6		1.1067		
PE 0,5_6	6			1.4367	1.5700
PE 0,7_6	6				
PP 0,5_6	6	1.1150			
PP 0,7_6	6		1.1650		

Means for groups in homogeneous subsets are displayed
 a. Uscs Harmonic Mean Sample Size = 6.000

Lampiran 6. Laju Pengeringan

Iteration	Residual SS	A	B
1	24.63674034	1.00000000	-.01000000
1.1	62.76365468	-.00996884	1.02028061
1.2	5.212217956	1.01136362	.321849244
2	5.212217956	1.01136362	.321849244
2.1	2.641545506	.553772417	.516785186
3	2.641545506	.553772417	.516785186
3.1	1.478016549	.448569512	.648520761
4	1.478016549	.448569512	.648520761
4.1	1.454876699	.492846611	.613285712
5	1.454876699	.492846611	.613285712
5.1	1.452648042	.484754311	.621181582
6	1.452648042	.484754311	.621181582
6.1	1.452598106	.486803414	.619611448
7	1.452598106	.486803414	.619611448
7.1	1.452596122	.486406845	.619925438
8	1.452596122	.486406845	.619925438
8.1	1.452596044	.486486583	.619863007
9	1.452596044	.486486583	.619863007
9.1	1.452596041	.486470741	.619875437

Run stopped after 19 model evaluations and 9 derivative evaluations. Iterations have been stopped because the relative reduction between successive residual sums of squares is at most SSSCON = 1.000E-08

Nonlinear Regression Summary Statistics Dependent Variable X

Source	DF	Sum of Squares	Mean Square
Regression	2	54.54740	27.27370
Residual	14	1.45260	.10376
Uncorrected Total	16	56.00000	
(Corrected Total)	15	20.00000	

R squared = 1 - Residual SS / Corrected SS = .92737

Parameter	Estimate	Asymptotic Std. Error	Asymptotic 95 % Confidence Interval	
			Lower	Upper
A	.486470741	.084740599	.304720232	.668221249
B	.619875437	.064344697	.481869787	.757881087

Asymptotic Correlation Matrix of the Parameter Estimates

	A	B
A	1.0000	-.9681
B	-.9681	1.0000

Hasil penelitian tanggal 23 Februari 2009

Sampel	Cawan kosong	Cawan kosong + sampel	Cawan kosong + sampel kering	Sampel kering
A	30,629	2,006	31,334	0,705
B	33,842	2,002	34,576	0,734
C	32,080	2,000	33,072	0,992

a. Konversi sample A :

$$\text{Faktor konversi} = \frac{0,705}{2,006} = 0,351$$

b. Konversi sample B :

$$\text{Faktor konversi} = \frac{0,734}{2,002} = 0,366$$

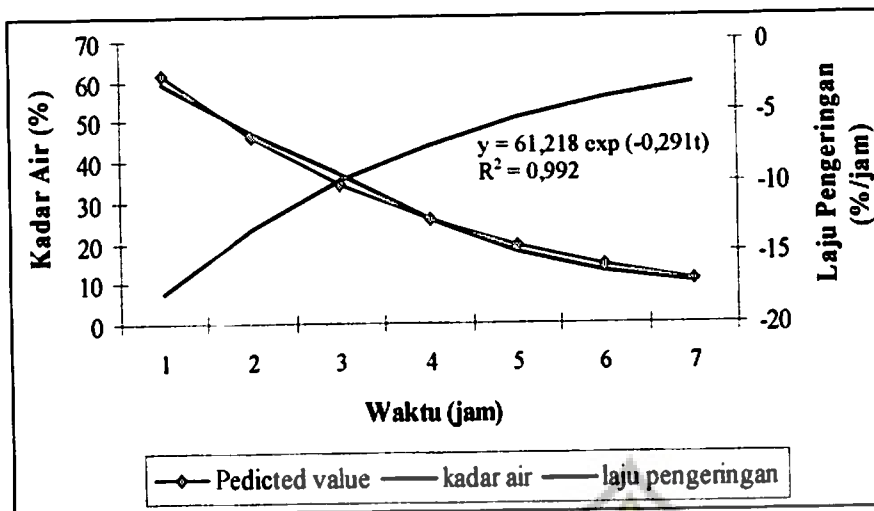
c. Konversi sample C :

$$\text{Faktor konversi} = \frac{0,992}{2,000} = 0,496$$

- Sampel A : Berat awal = 9,00
Massa sampel pada kadar air 0% = $9,00 \times 0,351 = 3,159$
- Sampel B : Berat awal = 8,50
Massa sampel pada kadar air 0% = $8,50 \times 0,366 = 3,111$
- Sampel C : Berat awal = 6,25
Massa sampel pada kadar air 0% = $6,25 \times 0,496 = 3,1$

waktu(jam)	kadar air	laju pengeringan
0	59.57	-17.81
1	47.23	-13.3
2	36.66	-9.95
3	25.44	-7.43
4	17.71	-5.56
5	12.67	-4.15
6	10.33	-3.1

Perlakuan	R ²	Fungsi Kadar Air Terhadap Waktu (y(t))	Fungsi Laju Pengeringan terhadap Waktu (y'(t))	Waktu pada kadar air 10% (jam)
STD	0,992	$61,218 \exp(-0,291)$	$-17,814 \exp(-0,291)$	6 jam



Keterangan :

Untuk garis kadar air berwarna biru menunjukkan semakin lama waktu pengeringan maka kadar air (%) semakin menurun. Sedangkan untuk garis warna merah muda adalah Predicted Value yaitu perkiraan dari nilai kadar air yang sebenarnya. Dan untuk garis warna hijau menunjukkan laju pengeringan. Sampel yang dikeringkan setelah melalui *treatment Solar Tunnel Drying (STD)* memiliki waktu pengeringan 6,2 jam.

TBA

Sampel A = 0,18
 Sampel B = 0,18
 Sampel C = 0,19

Aw

Sampel A = 0,620
 Sampel B = 0,619
 Sampel C = 0,612