

7. LAMPIRAN DAN DOKUMENTASI

7.1. Lampiran

7.1.1. Perhitungan Total Kalori

Rumus Total Kalori = (Karbohidrat x 4) + (Protein x 4) + (Lemak x 9)

- Kontrol (TTK0)

Ulangan 1 = $(55,70 \times 4) + (17,73 \times 4) + (1,99 \times 9) = 311,65$ Kkal

Ulangan 2 = $(56,83 \times 4) + (17,61 \times 4) + (2,04 \times 9) = 316,13$ Kkal

Ulangan 3 = $(56,04 \times 4) + (17,67 \times 4) + (1,95 \times 9) = 312,41$ Kkal

Ulangan 4 = $(55,45 \times 4) + (17,59 \times 4) + (1,96 \times 9) = 309,80$ Kkal

Ulangan 5 = $(54,98 \times 4) + (17,52 \times 4) + (1,99 \times 9) = 307,87$ Kkal

- TTK10

Ulangan 1 = $(54,21 \times 4) + (18,04 \times 4) + (2,21 \times 9) = 308,91$ Kkal

Ulangan 2 = $(53,50 \times 4) + (17,91 \times 4) + (2,54 \times 9) = 308,55$ Kkal

Ulangan 3 = $(53,32 \times 4) + (17,95 \times 4) + (2,55 \times 9) = 308,05$ Kkal

Ulangan 4 = $(52,79 \times 4) + (17,96 \times 4) + (2,58 \times 9) = 306,17$ Kkal

Ulangan 5 = $(53,38 \times 4) + (17,93 \times 4) + (2,12 \times 9) = 304,32$ Kkal

- TTK15

Ulangan 1 = $(51,91 \times 4) + (18,79 \times 4) + (3,26 \times 9) = 312,10$ Kkal

Ulangan 2 = $(51,70 \times 4) + (18,97 \times 4) + (2,59 \times 9) = 305,99$ Kkal

Ulangan 3 = $(49,39 \times 4) + (19,84 \times 4) + (3,55 \times 9) = 308,87$ Kkal

Ulangan 4 = $(48,63 \times 4) + (20,32 \times 4) + (2,79 \times 9) = 300,98$ Kkal

Ulangan 5 = $(51,87 \times 4) + (19,80 \times 4) + (2,74 \times 9) = 311,32$ Kkal

- TTK20

Ulangan 1 = $(50,32 \times 4) + (19,69 \times 4) + (2,73 \times 9) = 304,64$ Kkal

Ulangan 2 = $(48,05 \times 4) + (19,62 \times 4) + (3,31 \times 9) = 300,45$ Kkal

Ulangan 3 = $(50,59 \times 4) + (19,43 \times 4) + (2,72 \times 9) = 313,56$ Kkal

Ulangan 4 = $(49,29 \times 4) + (20,36 \times 4) + (2,96 \times 9) = 305,23$ Kkal

$$\text{Ulangan 5} = (50,53 \times 4) + (20,08 \times 4) + (2,56 \times 9) = 305,44 \text{ Kkal}$$

- TTK25

$$\text{Ulangan 1} = (48,13 \times 4) + (21,05 \times 4) + (3,35 \times 9) = 306,86 \text{ Kkal}$$

$$\text{Ulangan 2} = (50,13 \times 4) + (18,46 \times 4) + (3,39 \times 9) = 304,84 \text{ Kkal}$$

$$\text{Ulangan 3} = (48,53 \times 4) + (19,85 \times 4) + (3,28 \times 9) = 303,01 \text{ Kkal}$$

$$\text{Ulangan 4} = (48,75 \times 4) + (20,27 \times 4) + (3,37 \times 9) = 306,35 \text{ Kkal}$$

$$\text{Ulangan 5} = (49,16 \times 4) + (19,77 \times 4) + (3,32 \times 9) = 305,56 \text{ Kkal}$$

7.1.2. Analisis

7.1.2.1. Normalitas

	Tests of Normality					
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Kdr_Air	.125	25	.200 [*]	.981	25	.911
Kdr_Abu	.213	25	.080	.799	25	.080
Kdr_Protein	.198	25	.200	.898	25	.665
Kdr_Lemak	.172	25	.055	.917	25	.063
Kdr_Karbohidrat	.143	25	.200 [*]	.931	25	.090
Kdr_Antioksidan	.177	25	.142	.901	25	.301
Tekstur_Extension_at_Maximum	.159	25	.104	.934	25	.106
Chroma_L	.165	25	.200	.913	25	.160

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

a. Lilliefors Significance Correction

7.1.2.2. Uji Anova

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Kdr_Air	Between Groups	4.606	4	1.152	2.137	.114
	Within Groups	10.777	20	.539		
	Total	15.383	24			
Kdr_Abu	Between Groups	13.653	4	3.413	83.243	.000
	Within Groups	.820	20	.041		
	Total	14.473	24			
Kdr_Protein	Between Groups	23.690	4	5.923	20.310	.000
	Within Groups	5.832	20	.292		
	Total	29.522	24			
Kdr_Lemak	Between Groups	5.993	4	1.498	17.529	.000
	Within Groups	1.709	20	.085		
	Total	7.702	24			
Kdr_Karbohidrat	Between Groups	163.771	4	40.943	41.472	.000
	Within Groups	19.745	20	.987		
	Total	183.516	24			
Total_Kalori	Between Groups	120.982	4	30.245	2.579	.069
	Within Groups	234.578	20	11.729		
	Total	355.559	24			
Kdr_Antioksidan	Between Groups	5.771	4	1.443	11.948	.000
	Within Groups	2.415	20	.121		
	Total	8.187	24			
Tekstur_Extension_at_Maximum	Between Groups	383.139	4	95.785	50.720	.000
	Within Groups	37.770	20	1.888		
	Total	420.908	24			
Chroma_L	Between Groups	217.939	4	54.497	78.715	.000
	Within Groups	13.847	20	.692		
	Total	231.836	24			

7.1.2.3. Uji Duncan

Kdr_Abu

Duncan^a

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
KONTROL (TTK0)	5	1.1020			
TTK10	5		2.3580		
TTK15	5			2.7360	
TTK20	5				3.0580
TTK25	5				3.1260
Sig.		1.000	1.000	1.000	.601

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Kdr_Protein

Duncan^a

Perlakuan	N	Subset for alpha = 0.05	
		1	2
KONTROL (TTK0)	5	17.6200	
TTK10	5	17.9560	
TTK15	5		19.5420
TTK20	5		19.8320
TTK25	5		19.8740
Sig.		.337	.369

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Kdr_LemakDuncan^a

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
KONTROL (TTK0)	5	1.9840		
TTK10	5		2.3960	
TTK15	5			2.9780
TTK20	5			3.0480
TTK25	5			3.3380
Sig.		1.000	1.000	.079

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Kdr_KarbohidratDuncan^a

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
TTK25	5	48.9340			
TTK20	5	49.7540	49.7540		
TTK15	5		50.6980		
TTK10	5			53.5840	
KONTROL (TTK0)	5				55.7960
Sig.		.207	.149	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Kdr_Antioksidan

Duncan^a

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
KONTROL (TTK0)	5	.1140		
TTK10	5	.3120		
TTK15	5		.7820	
TTK20	5		.9840	
TTK25	5			1.4600
Sig.		.378	.369	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Tekstur_Extension_at_Maximum

Duncan^a

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
TTK25	5	12.8700		
TTK20	5	14.6320		
TTK15	5		19.4680	
TTK10	5		20.9600	
KONTROL (TTK0)	5			23.3260
Sig.		.056	.101	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Chroma_L

Duncan^a

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
TTK25	5	69.1760			
TTK20	5	69.8880			
TTK15	5		73.0860		
TTK10	5			74.7380	
KONTROL (TTK0)	5				77.0600
Sig.		.191	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

7.1.2.4. Uji Korelasi

Correlations

	Kdr_Air	Kdr_Abu	Kdr_Protein	Kdr_Lemak	Kdr_Karbohidrat	Total_Kalori	Kdr_Antioksidan	Tekstur_Extension_at_Maximum	Chroma_L	Chroma_a	Chroma_b
Kdr_Air	Pearson Correlation Sig. (2-tailed) N	1 .011 25	.482 .015 25	.412 .041 25	-.711 .000 25	-.843 .000 25	.514 .009 25	-.416 .039 25	-.509 .009 25	-.488 .013 25	-.233 .262 25
Kdr_Abu	Pearson Correlation Sig. (2-tailed) N	.501 .011 25	1 .000 25	.766 .000 25	-.825 .000 25	-.901 .000 25	-.698 .000 25	-.819 .000 25	-.881 .000 25	-.953 .000 25	-.386 .057 25
Kdr_Protein	Pearson Correlation Sig. (2-tailed) N	.482 .015 25	.766 .000 25	1 .000 25	.731 .000 25	-.909 .000 25	.745 .000 25	-.744 .000 25	-.796 .000 25	.814 .000 25	-.242 .243 25
Kdr_Lemak	Pearson Correlation Sig. (2-tailed) N	.412 .041 25	.825 .000 25	.731 .000 25	1 .000 25	-.850 .000 25	.723 .000 25	-.848 .000 25	-.844 .000 25	.852 .000 25	-.107 .610 25
Kdr_Karbohidrat	Pearson Correlation Sig. (2-tailed) N	-.711 .000 25	-.901 .000 25	-.909 .000 25	-.850 .000 25	1 .000 25	-.793 .000 25	.823 .000 25	.888 .000 25	-.911 .000 25	.292 .156 25
Total_Kalori	Pearson Correlation Sig. (2-tailed) N	-.843 .000 25	.825 .000 25	.731 .000 25	-.850 .000 25	-.850 .000 25	.723 .000 25	-.848 .000 25	.844 .000 25	.852 .000 25	-.107 .610 25
Kdr_Antioksidan	Pearson Correlation Sig. (2-tailed) N	.514 .003 25	-.698 .000 25	.745 .000 25	-.723 .000 25	-.793 .000 25	1 .000 25	.380 .061 25	.534 .006 25	-.538 .006 25	.465 .019 25
Tekstur_Extension_at_Maximum	Pearson Correlation Sig. (2-tailed) N	-.416 .039 25	-.819 .000 25	-.744 .000 25	-.848 .000 25	-.911 .000 25	-.793 .000 25	1 .000 25	.929 .000 25	-.908 .000 25	.413 .040 25
Chroma_L	Pearson Correlation Sig. (2-tailed) N	-.509 .009 25	.009 .000 25	-.796 .000 25	-.844 .000 25	-.881 .000 25	.929 .000 25	.929 .000 25	1 .000 25	-.947 .000 25	.509 .009 25
Chroma_a	Pearson Correlation Sig. (2-tailed) N	.488 .013 25	.814 .000 25	.814 .000 25	-.852 .000 25	-.911 .000 25	.765 .000 25	-.908 .000 25	-.947 .000 25	1 .000 25	-.476 .016 25
Chroma_b	Pearson Correlation Sig. (2-tailed) N	-.233 .262 25	-.386 .057 25	-.242 .243 25	-.107 .610 25	-.476 .016 25	-.232 .265 25	.413 .040 25	.509 .009 25	-.476 .016 25	1 .016 25

*, Correlation is significant at the 0.05 level (2-tailed).
**, Correlation is significant at the 0.01 level (2-tailed).

7.2. Dokumentasi

7.2.1. Pembuatan Tepung Koro Pedang Putih

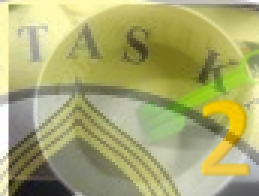


7.2.2. Pembuatan Kulit Lumpia



Keterangan Tahapan :

1. Persiapan dan penimbangan sesuai dengan resep dan formulasi



2. Pencampuran adonan dan pemasakan



TTK10

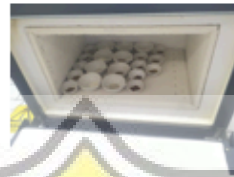
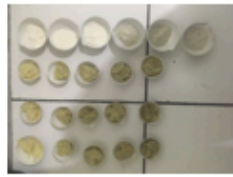
TTK20

TTK0

TTK15

TTK25

7.2.3. Uji Penelitian





5.5% PLAGIARISM
APPROXIMATELY

Report #11066464

1. PENDAHULUAN 1.1. Latar Belakang Lumpia (Loen Pia) merupakan sebuah makanan dengan perpaduan budaya Tionghoa dengan Jawa. Lumpia terbuat dari rebung sebagai isiannya dan diselimuti / digulung oleh kulit yang terbuat dari tepung, serta disajikan dengan pelengkap seperti saus khas, daun bawang, cabai, dan sebagainya. Rebung merupakan tunas bambu yang sudah diolah. Kulit lumpia terbuat dari bahan dasar tepung terigu, putih telur, air, garam (Akrida, 2008). Sebagai makanan khas dari Semarang, ada banyak gerai lumpia yang terdapat dipinggir jalan (gerobak) atau pun berbentuk toko yang tersebar diberbagai jalan yang ada di Semarang. Lumpia memiliki cita rasa gurih dan khas, dan oleh karenanya, lumpia memiliki minat konsumen yang cukup tinggi. Ketika minat konsumen tinggi maka permintaan produksi dari bahan - bahan untuk membuat lumpia ini pun meningkat. Bahan - bahan yang diperlukan untuk membuat kulit lumpia adalah tepung terigu, putih telur, air, dan garam (Naomi et. al., 2016). Dengan bahan utama tepung terigu, dibutuhkan persediaan bahan baku yang memadai. Tepung terigu terbuat dari gandum, sedangkan gandum tidak dapat tumbuh secara optimal di Indonesia sehingga kita harus melakukan impor tepung terigu untuk keperluan komersil pangan di Indonesia. Berikut beberapa data produksi dan impor gandum Gambar 1. Data impor gandum