



LAMPIRAN

Lampiran 1. Hasil Pengujian *Water Holding Capacity* (WHC) – *Oil Holding Capacity* (OHC) Serat Nanas dan Abon Sapi

Sampel	WHC (ml/g)	OHC (ml/g)
Serat Nanas	20,44 ± 1,90	4,33 ± 0,18
Abon Sapi Kontrol	2,15 ± 0,06	2,95 ± 0,08
Abon Substitusi	4,45 ± 0,22	5,13 ± 0,01

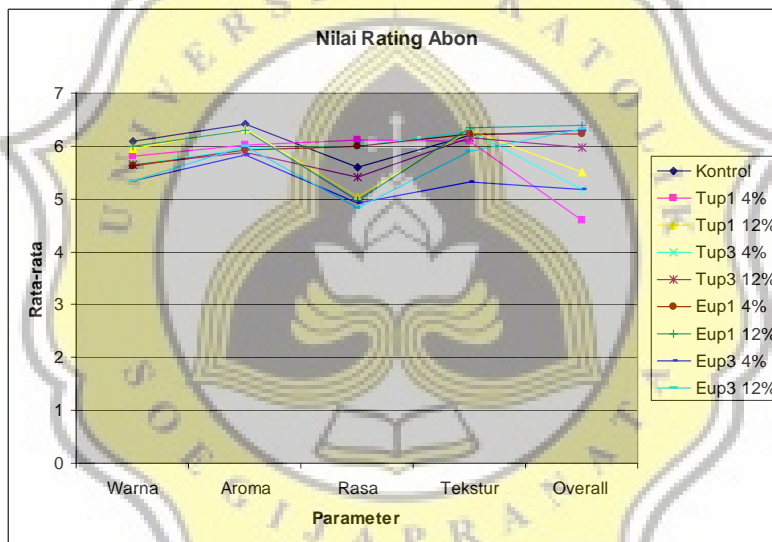


Lampiran 2. Nilai Rating Rata-rata Analisa Warna, Aroma, Rasa dan Tekstur Abon Sapi

Sampel	Parameter				
	Warna	Aroma	Rasa	Tekstur	Overall
Kontrol	6,10	6,42	5,60	6,20	6,30
Tup1 4%	5,80	6,03	6,12	6,08	4,60
Tup1 12%	5,94	6,32	5,03	6,30	5,50
Tup3 4%	5,64	5,95	6,00	6,28	5,17
Tup3 12%	5,64	5,87	5,42	6,15	5,97
Eup1 4%	5,62	5,92	6,00	6,22	6,23
Eup1 12%	6,00	6,31	4,97	6,34	6,40
Eup3 4%	5,34	5,83	4,93	5,32	5,17
Eup3 12%	5,34	6,00	4,83	5,90	6,33

Keterangan :

1=sangat tidak suka, 2=tidak suka, 3=agak tidak suka, 4=netral, 5=agak suka, 6=suka, 7=sangat suka
 Analisis sensoris ini dilakukan kepada 30 panelis yang dilakukan di Laboratorium Sensori UNIKA Soegijapranata (Oktober 2007)



Keterangan:

Kontrol

= abon tanpa serat nanas

Tup1 4%

= abon dengan serat nanas 4%, metode tanpa ekstraksi, ukuran partikel <100 mesh

Tup1 12%

= abon dengan serat nanas 12%, metode tanpa ekstraksi, ukuran partikel <100 mesh

Tup3 4%

= abon dengan serat nanas 4%, metode tanpa ekstraksi, ukuran partikel >200 mesh

Tup3 12%

= abon dengan serat nanas 12%, metode tanpa ekstraksi, ukuran partikel >200 mesh

Eup1 4%

= abon dengan serat nanas 4%, metode ekstraksi, ukuran partikel <100 mesh

Eup1 12%

= abon dengan serat nanas 12%, metode ekstraksi, ukuran partikel <100 mesh

Eup3 4%

= abon dengan serat nanas 4%, metode ekstraksi, ukuran partikel >200 mesh

Eup3 12%

= abon dengan serat nanas 12%, metode ekstraksi, ukuran partikel >200 mesh

Lampiran 3. Kandungan Nutrisi Abon Sapi

Komposisi	Abon Kontrol	Abon Substitusi
Air (%)	4,25±0,18	6,70±0,13
Abu (%)	5,86±0,36	4,32±0,39
Lemak (%)	31,34±1,53	24,43±1,03
Protein (%)	42,41±4,66	28,67±1,09
Karbohidrat (%)	16,14±3,64	35,90±2,31
Serat Pangan (%)	7,35±0,30	19,73±1,08
Serat Kasar (%)	2,44±0,44	20,69±1,60



Lampiran 4. Contoh Analisa Data Menggunakan SPSS for Windows 11.5

1. Uji Deskriptif Kadar Air (Duncan)

Tests of Normality

	TITIK	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
LDPE	1.00	.197	6	.200*	.922	6	.521
	2.00	.189	6	.200*	.950	6	.740
	3.00	.190	6	.200*	.949	6	.736
	4.00	.201	6	.200*	.908	6	.426
	5.00	.173	6	.200*	.985	6	.974
	6.00	.178	6	.200*	.963	6	.839
	7.00	.268	6	.200*	.889	6	.315
PET	1.00	.142	6	.200*	.981	6	.958
	2.00	.265	6	.200*	.835	6	.118
	3.00	.178	6	.200*	.971	6	.900
	4.00	.250	6	.200*	.816	6	.081
	5.00	.140	6	.200*	.991	6	.991
	6.00	.197	6	.200*	.932	6	.597
	7.00	.267	6	.200*	.868	6	.217
K_LDPE	1.00	.227	6	.200*	.954	6	.773
	2.00	.181	6	.200*	.920	6	.509
	3.00	.197	6	.200*	.961	6	.831
	4.00	.249	6	.200*	.891	6	.325
	5.00	.211	6	.200*	.922	6	.520
	6.00	.268	6	.200*	.876	6	.251
	7.00	.236	6	.200*	.877	6	.254
K_PET	1.00	.255	6	.200*	.919	6	.500
	2.00	.206	6	.200*	.876	6	.252
	3.00	.277	6	.169	.923	6	.524
	4.00	.291	6	.122	.892	6	.328
	5.00	.310	6	.074	.719	6	.010
	6.00	.178	6	.200*	.920	6	.505
	7.00	.374	6	.009	.730	6	.012

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

a. Lilliefors Significance Correction

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
LDPE	Based on Mean	3.436	6	35	.009
	Based on Median	3.288	6	35	.011
	Based on Median and with adjusted df	3.288	6	26.363	.015
	Based on trimmed mean	3.422	6	35	.009
PET	Based on Mean	5.689	6	35	.000
	Based on Median	3.836	6	35	.005
	Based on Median and with adjusted df	3.836	6	26.943	.007
	Based on trimmed mean	5.611	6	35	.000
K_LDPE	Based on Mean	2.244	6	35	.062
	Based on Median	1.262	6	35	.300
	Based on Median and with adjusted df	1.262	6	14.898	.332
	Based on trimmed mean	2.084	6	35	.080
K_PET	Based on Mean	1.272	6	35	.295
	Based on Median	.938	6	35	.480
	Based on Median and with adjusted df	.938	6	18.745	.491
	Based on trimmed mean	1.195	6	35	.332

Descriptive Statistics

Dependent Variable: LDPE

TITIK	Mean	Std. Deviation	N
1.00	4.6333	.34518	6
2.00	6.4133	1.07112	6
3.00	6.8733	.23653	6
4.00	6.9100	.59957	6
5.00	7.1900	.62145	6
6.00	7.3267	.45143	6
7.00	7.7300	.66966	6
Total	6.7252	1.10764	42

Tests of Between-Subjects Effects

Dependent Variable: LDPE

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	36.700 ^a	6	6.117	15.740	.000
Intercept	1899.611	1	1899.611	4888.153	.000
TITIK	36.700	6	6.117	15.740	.000
Error	13.602	35	.389		
Total	1949.912	42			
Corrected Total	50.302	41			

a. R Squared = .730 (Adjusted R Squared = .683)

TITIK

Dependent Variable: LDPE

TITIK	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1.00	4.633	.254	4.117	5.150
2.00	6.413	.254	5.897	6.930
3.00	6.873	.254	6.357	7.390
4.00	6.910	.254	6.393	7.427
5.00	7.190	.254	6.673	7.707
6.00	7.327	.254	6.810	7.843
7.00	7.730	.254	7.213	8.247

LDPE

Duncan^{a,b}

TITIK	N	Subset			
		1	2	3	4
1.00	6	4.6333			
2.00	6		6.4133		
3.00	6		6.8733	6.8733	
4.00	6		6.9100	6.9100	
5.00	6		7.1900	7.1900	7.1900
6.00	6			7.3267	7.3267
7.00	6				7.7300
Sig.		1.000	.055	.260	.165

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = .389.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Fixed Factor: Packaging

Descriptive Statistics

Dependent Variable: TITIK_1

KEMASAN	Mean	Std. Deviation	N
1.00	4.6333	.34518	6
2.00	3.0933	.42079	6
3.00	4.7778	.80930	6
4.00	3.2667	1.18678	6
Total	3.9428	1.06147	24

Tests of Between-Subjects Effects

Dependent Variable: TITIK_1

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	14.117 ^a	3	4.706	7.977	.001
Intercept	373.092	1	373.092	632.461	.000
KEMASAN	14.117	3	4.706	7.977	.001
Error	11.798	20	.590		
Total	399.007	24			
Corrected Total	25.915	23			

^a. R Squared = .545 (Adjusted R Squared = .476)

KEMASAN

Dependent Variable: TITIK_1

KEMASAN	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1.00	4.633	.314	3.979	5.287
2.00	3.093	.314	2.439	3.747
3.00	4.778	.314	4.124	5.432
4.00	3.267	.314	2.613	3.921

TITIK_1

Duncan^{a,b}

KEMASAN	N	Subset	
		1	2
2.00	6	3.0933	
4.00	6	3.2667	
1.00	6		4.6333
3.00	6		4.7778
Sig.		.700	.748

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = .590.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

8.1.2. Uji Deskriptif Bakteri (Mann-Whitney)

Uji Kruskal Wallis Antar Hari atau Titik Pengujian

Test Statistics^{a,b}

	LDPE	PET	K_PET	K_LDPE
Chi-Square	19.872	19.837	19.895	19.678
df	6	6	6	6
Asymp. Sig.	.003	.003	.003	.003

a. Kruskal Wallis Test

b. Grouping Variable: HARI_KE

Hari ke-1 & 5

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	4.500	4.500	.000	.000
Wilcoxon W	10.500	10.500	6.000	6.000
Z	.000	.000	-2.236	-2.087
Asymp. Sig. (2-tailed)	1.000	1.000	.025	.037
Exact Sig. [2*(1-tailed Sig.)]	1.000 ^a	1.000 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-1 & 10

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	4.500	4.500	.000	.000
Wilcoxon W	10.500	10.500	6.000	6.000
Z	.000	.000	-2.087	-2.087
Asymp. Sig. (2-tailed)	1.000	1.000	.037	.037
Exact Sig. [2*(1-tailed Sig.)]	1.000 ^a	1.000 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-1 & 15

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	4.500	4.500	.000	.000
Wilcoxon W	10.500	10.500	6.000	6.000
Z	.000	.000	-2.236	-2.087
Asymp. Sig. (2-tailed)	1.000	1.000	.025	.037
Exact Sig. [2*(1-tailed Sig.)]	1.000 ^a	1.000 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-1 & 20

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	4.500	.000	.000
Wilcoxon W	6.000	10.500	6.000	6.000
Z	-2.087	.000	-2.236	-2.236
Asymp. Sig. (2-tailed)	.037	1.000	.025	.025
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	1.000 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-1 & 25

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000
Z	-2.087	-2.087	-2.236	-2.087
Asymp. Sig. (2-tailed)	.037	.037	.025	.037
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-1 & 30

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000
Z	-2.236	-2.087	-2.087	-2.087
Asymp. Sig. (2-tailed)	.025	.037	.037	.037
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-5 & 10

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	4.500	4.500	.000	.000
Wilcoxon W	10.500	10.500	6.000	6.000
Z	.000	.000	-2.087	-1.964
Asymp. Sig. (2-tailed)	1.000	1.000	.037	.050
Exact Sig. [2*(1-tailed Sig.)]	1.000 ^a	1.000 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-5 & 15

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	4.500	4.500	.000	.000
Wilcoxon W	10.500	10.500	6.000	6.000
Z	.000	.000	-2.236	-1.964
Asymp. Sig. (2-tailed)	1.000	1.000	.025	.050
Exact Sig. [2*(1-tailed Sig.)]	1.000 ^a	1.000 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-5 & 20

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	4.500	.000	.000
Wilcoxon W	6.000	10.500	6.000	6.000
Z	-2.087	.000	-2.236	-2.087
Asymp. Sig. (2-tailed)	.037	1.000	.025	.037
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	1.000 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-5 & 25

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000
Z	-2.087	-2.087	-2.236	-1.964
Asymp. Sig. (2-tailed)	.037	.037	.025	.050
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-5 & 30

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000
Z	-2.236	-2.087	-2.087	-1.964
Asymp. Sig. (2-tailed)	.025	.037	.037	.050
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-10 & 15

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	4.500	4.500	.000	.500
Wilcoxon W	10.500	10.500	6.000	6.500
Z	.000	.000	-2.087	-1.771
Asymp. Sig. (2-tailed)	1.000	1.000	.037	.077
Exact Sig. [2*(1-tailed Sig.)]	1.000 ^a	1.000 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-10 & 20

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	4.500	.000	.000
Wilcoxon W	6.000	10.500	6.000	6.000
Z	-2.087	.000	-2.087	-2.087
Asymp. Sig. (2-tailed)	.037	1.000	.037	.037
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	1.000 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-10 & 25

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000
Z	-2.087	-2.087	-2.087	-1.964
Asymp. Sig. (2-tailed)	.037	.037	.037	.050
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-10 & 30

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000
Z	-2.236	-2.087	-1.964	-1.964
Asymp. Sig. (2-tailed)	.025	.037	.050	.050
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-15 & 20

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	4.500	.000	.000
Wilcoxon W	6.000	10.500	6.000	6.000
Z	-2.087	.000	-2.236	-2.087
Asymp. Sig. (2-tailed)	.037	1.000	.025	.037
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	1.000 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-15 & 25

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000
Z	-2.087	-2.087	-2.236	-1.964
Asymp. Sig. (2-tailed)	.037	.037	.025	.050
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-15 & 30

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000
Z	-2.236	-2.087	-2.087	-1.964
Asymp. Sig. (2-tailed)	.025	.037	.037	.050
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-20 & 25

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000
Z	-1.964	-2.087	-2.236	-2.087
Asymp. Sig. (2-tailed)	.050	.037	.025	.037
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-20 & 30

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000
Z	-1.964	-2.087	-2.236	-2.087
Asymp. Sig. (2-tailed)	.050	.037	.025	.037
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Hari ke-25 & 30

Test Statistics^b

	LDPE	PET	K_PET	K_LDPE
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000
Z	-2.087	-1.964	-2.087	-1.964
Asymp. Sig. (2-tailed)	.037	.050	.037	.050
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: HARI_KE

Uji Kruskal Wallis Antar Kemasan

Test Statistics^{a,b}

	HARI_1	HARI_5	HARI_10	HARI_15	HARI_20	HARI_25	HARI_30
Chi-Square	11.000	10.822	10.443	10.822	10.839	9.734	10.385
df	3	3	3	3	3	3	3
Asymp. Sig.	.012	.013	.015	.013	.013	.021	.016

a. Kruskal Wallis Test

b. Grouping Variable: KEMASAN

Uji Mann-Whitney Antar Kemasan LDPE & PET

Test Statistics^b

	HARI_1	HARI_5	HARI_10	HAIR_15	HARI_20	HARI_25	HARI_30
Mann-Whitney U	4.500	4.500	4.500	4.500	.000	.000	.000
Wilcoxon W	10.500	10.500	10.500	10.500	6.000	6.000	6.000
Z	.000	.000	.000	.000	-2.087	-2.087	-1.964
Asymp. Sig. (2-tailed)	1.000	1.000	1.000	1.000	.037	.037	.050
Exact Sig. [2*(1-tailed Sig.)]	1.000 ^a	1.000 ^a	1.000 ^a	1.000 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: KEMASAN

LDPE & K_LDPE

Test Statistics^b

	HARI_1	HARI_5	HARI_10	HAIR_15	HARI_20	HARI_25	HARI_30
Mann-Whitney U	4.500	.000	.000	.000	.000	.000	.000
Wilcoxon W	10.500	6.000	6.000	6.000	6.000	6.000	6.000
Z	.000	-2.236	-2.087	-2.236	-2.087	-2.236	-1.964
Asymp. Sig. (2-tailed)	1.000	.025	.037	.025	.037	.025	.050
Exact Sig. [2*(1-tailed Sig.)]	1.000 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: KEMASAN

LDPE & K_PET

Test Statistics^b

	HARI_1	HARI_5	HARI_10	HAIR_15	HARI_20	HARI_25	HARI_30
Mann-Whitney U	.000	.000	.000	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000	6.000	6.000	6.000
Z	-2.236	-2.087	-2.087	-2.087	-2.087	-2.087	-1.964
Asymp. Sig. (2-tailed)	.025	.037	.037	.037	.037	.037	.050
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: KEMASAN

PET & K_LDPE

Test Statistics^b

	HARI_1	HARI_5	HARI_10	HAIR_15	HARI_20	HARI_25	HARI_30
Mann-Whitney U	4.500	.000	.000	.000	.000	.000	.000
Wilcoxon W	10.500	6.000	6.000	6.000	6.000	6.000	6.000
Z	.000	-2.236	-2.087	-2.236	-2.236	-2.087	-1.964
Asymp. Sig. (2-tailed)	1.000	.025	.037	.025	.025	.037	.050
Exact Sig. [2*(1-tailed Sig.)]	1.000 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: KEMASAN

PET & K_PET

Test Statistics^b

	HARI_1	HARI_5	HARI_10	HAIR_15	HARI_20	HARI_25	HARI_30
Mann-Whitney U	.000	.000	.000	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000	6.000	6.000	6.000
Z	-2.236	-2.087	-2.087	-2.087	-2.236	-1.964	-1.964
Asymp. Sig. (2-tailed)	.025	.037	.037	.037	.025	.050	.050
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: KEMASAN

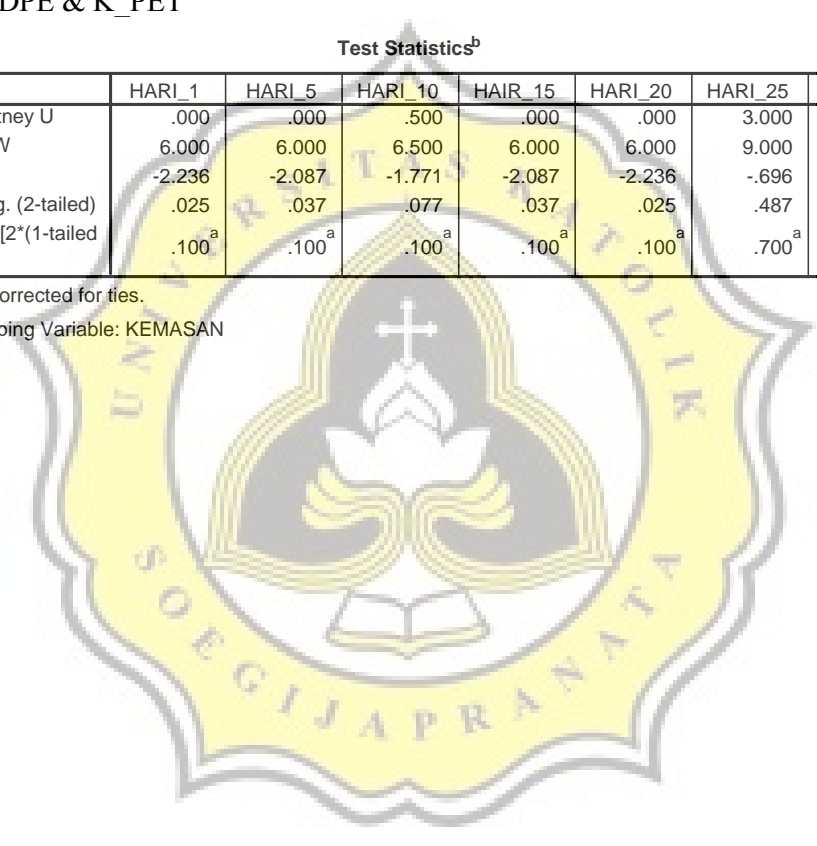
K_LDPE & K_PET

Test Statistics^b

	HARI_1	HARI_5	HARI_10	HAIR_15	HARI_20	HARI_25	HARI_30
Mann-Whitney U	.000	.000	.500	.000	.000	3.000	.000
Wilcoxon W	6.000	6.000	6.500	6.000	6.000	9.000	6.000
Z	-2.236	-2.087	-1.771	-2.087	-2.236	-.696	-1.964
Asymp. Sig. (2-tailed)	.025	.037	.077	.037	.025	.487	.050
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.100 ^a	.700 ^a	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: KEMASAN



Lampiran 5. Tabel Hasil Pengamatan Bakteri (log CFU/g)

Jenis Kemasan	Lama Penyimpanan ASLT (hari)						
	Hari 1	Hari 5	Hari 10	Hari 15	Hari 20	Hari 25	Hari 30
NEP_PA15/LDPE50	0.000	0.000	0.000	0.000	2.732	4.748	5.427
	0.000	0.000	0.000	0.000	3.375	4.681	5.427
	0.000	0.000	0.000	0.000	3.161	4.591	5.427
	0.000	0.000	0.000	0.000	3.090	4.673	5.427
	0.000	0.000	0.000	0.000	0.327	0.079	0.000
NEP_PA15/PET50	0.000	0.000	0.000	0.000	0.000	2.519	4.785
	0.000	0.000	0.000	0.000	0.000	2.491	4.886
	0.000	0.000	0.000	0.000	0.000	2.505	4.836
	0.000	0.000	0.000	0.000	0.000	2.505	4.836
	0.000	0.000	0.000	0.000	0.000	0.014	0.051
K_PA15/LDPE50	2.491	2.845	2.996	3.699	5.146	5.401	5.964
	2.491	2.699	3.146	3.699	5.146	5.401	5.929
	2.491	2.772	2.845	3.699	5.146	5.401	5.947
	2.491	2.772	2.996	3.699	5.146	5.401	5.947
	0.000	0.073	0.151	0.000	0.000	0.000	0.017
K_PA15/PET50	2.519	2.272	2.695	3.143	5.260	3.505	5.369
	2.519	2.398	2.845	2.994	5.260	4.365	5.326
	2.519	2.146	2.544	2.845	5.260	4.121	5.283
	2.519	2.272	2.695	2.994	5.260	3.997	5.326
	0.000	0.126	0.151	0.149	0.000	0.443	0.043

Lampiran 6. Tabel Hasil Pengamatan Kapang (log CFU/g)

Jenis Kemasan	Lama Penyimpanan ASLT (hari)						
	Hari 1	Hari 5	Hari 10	Hari 15	Hari 20	Hari 25	Hari 30
NEP_PA15/LDPE50	0.000	0.000	0.000	0.000	0.000	4.519	4.820
	0.000	0.000	0.000	0.000	0.000	4.531	4.820
	0.000	0.000	0.000	0.000	0.000	4.525	4.820
NEP_PA15/PET50	0.000	0.000	0.000	0.000	3.778	3.568	3.672
	0.000	0.000	0.000	0.000	3.519	3.568	3.477
	0.000	0.000	0.000	0.000	4.148	3.568	3.575
K_PA15/LDPE50	0.000	0.000	0.000	3.672	4.000	4.531	5.556
	0.000	0.000	0.000	3.544	4.000	4.531	5.556
	0.000	0.000	0.000	3.491	4.000	4.531	5.556
K_PA15/PET50	0.000	0.000	0.000	0.000	0.000	4.519	4.763
	0.000	0.000	0.000	0.000	0.000	4.643	4.763
	0.000	0.000	0.000	0.000	0.000	4.581	4.763

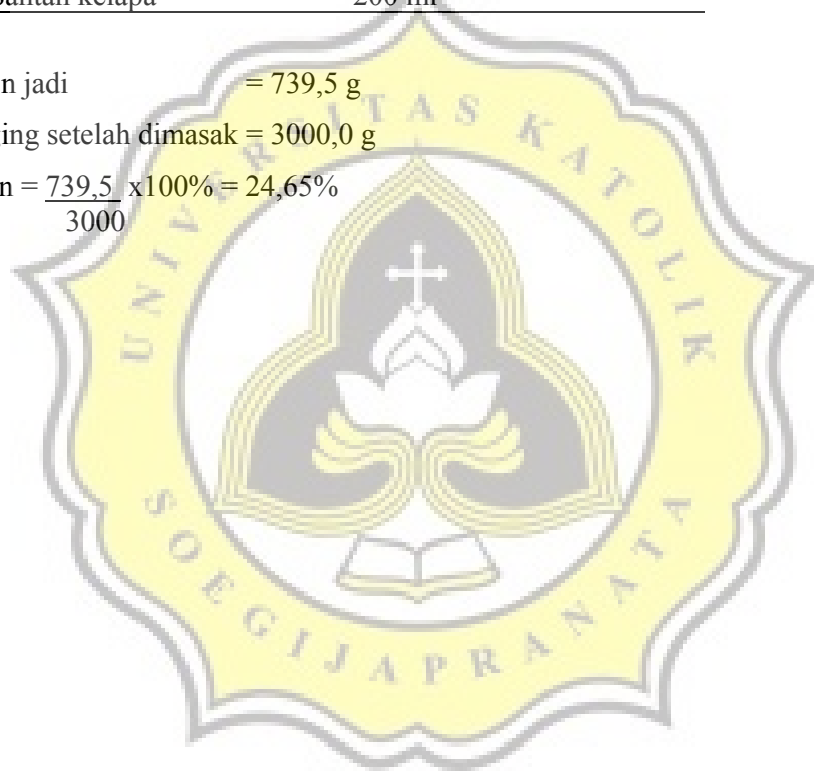
Lampiran 7. Komposisi Bahan Dalam Pembuatan Abon Sapi dan Rendemen

No.	Bahan	Jumlah
1.	Daging sapi	1000 g
2.	Bawang putih	100 g
3.	Bawang merah	40 g
4.	Ketumbar	5 g
5.	Lengkuas	5 g
6.	Daun salam	2 lembar
7.	Sereh	1 potong
8.	Gula pasir	75 g
9.	Asam jawa	5 g
10.	Santan kelapa	200 ml

Berat abon jadi = 739,5 g

Berat daging setelah dimasak = 3000,0 g

Rendemen = $\frac{739,5}{3000} \times 100\% = 24,65\%$



Lampiran 8. SNI 01-3707-1995 Abon Sapi

SNI ABON

1. Ruang Lingkup

Standar ini meliputi definisi, syarat mutu, cara pengambilan contoh, cara uji, syarat penandaan dan cara pengemasan abon.

2. Definisi

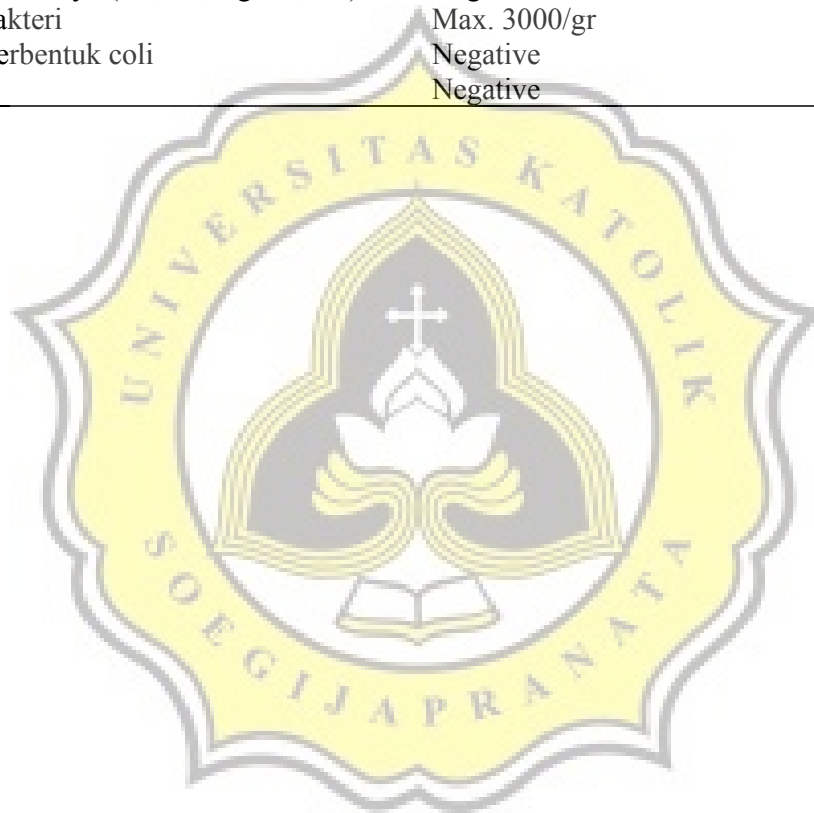
Abon adalah jenis makanan kering berbentuk khas dibuat dengan daging, direbus, disayat-sayat, dibumbui, digoreng dan dipress.

3. Syarat Mutu

No.	Kriteria Uji	Satuan	Persyaratan
1.	Keadaan		
	1.1. Bentuk	-	Normal
	1.2. Bau	-	Normal
	1.3. Rasa	-	Normal
	1.4. Warna	-	Normal
2.	Air	% b/b	Maks 7
3.	Abu	% b/b	Maks 7
4.	Abu tak larut dalam asam	% b/b	Maks 0,1
5.	Lemak	% b/b	Maks 30
6.	Protein	% b/b	Min 15
7.	Serat kasar	% b/b	Maks 1
8.	Gula sebagai jumlah sakarosa	% b/b	Maks 30
9.	Pengawet	% b/b	Sesuai SNI 01-0222-87
10.	Cemaran Logam		
	10.1. Timbal/ Pb	mg/kg	Maks 2
	10.2. Tembaga/ Cu	mg/kg	Maks 20
	10.3. Seng/ Zn	mg/kg	Maks 40
	10.4. Timah	mg/kg	Maks 40
	10.5. Raksa/ Hg	mg/kg	Maks 0,05
11.	Cemaran Arsen/ As	mg/kg	Maks 1
12.	Cemaran Mikroba		
	12.1. Angka Lempeng Total	Koloni/g	Maks 5×10^4
	12.2. MPN Coliform	koloni/g	Maks 10
	12.3. Salmonella	koloni/g	Negatif
	12.4. Staphylococcus aureus	koloni/g	0

**Lampiran 9. SII No. 0308-80 Departemen Perindustrian Republik Indonesia 1990
Tentang Syarat Mutu Abon**

Komponen	Nilai
Kadar lemak	Max. 30%
Kadar gula	Max. 30%
Kadar protein	Min. 20%
Kadar air	Max. 10%
Kadar abu	Max. 9%
Aroma, warna dan rasa	Khas
Logam berbahaya (Cu, Pb, Hg, Zn, As)	Negative
Jumlah bakteri	Max. 3000/gr
Bakteri berbentuk coli	Negative
Jamur	Negative



Lampiran 10. Perhitungan Konversi Lama Penyimpanan

$$\Delta T = 40^{\circ}\text{C} - 21^{\circ}\text{C} = 19$$

T1 = suhu penyimpanan 40°C

T2 = suhu penyimpanan 21°C

Ts = masa kadaluarsa pada suhu tertentu

Hari 1

$$\text{Ts pada } T_2 = 2^{(19/10)} \times 1 = 3,73 \text{ hari}$$

Hari 5

$$\text{Ts pada } T_2 = 2^{(19/10)} \times 5 = 18,66 \text{ hari}$$

Hari 10

$$\text{Ts pada } T_2 = 2^{(19/10)} \times 10 = 37,32 \text{ hari}$$

Hari 15

$$\text{Ts pada } T_2 = 2^{(19/10)} \times 15 = 55,98 \text{ hari}$$

Hari 20

$$\text{Ts pada } T_2 = 2^{(19/10)} \times 20 = 74,64 \text{ hari}$$

Hari 25

$$\text{Ts pada } T_2 = 2^{(19/10)} \times 25 = 93,30 \text{ hari}$$

Hari 30

$$\text{Ts pada } T_2 = 2^{(19/10)} \times 30 = 111,96 \text{ hari}$$

