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**Lampiran 1. Rata-rata nilai TBA daging sapi Bali pada otot *Pectoralis profundus* dengan penambahan level asap cair**

**Descriptive Statistics**

Dependent Variable:TBA

Level_A Lama_Pe sap_Cai nyimpana r n	Mean	Std. Deviation	N
0% 0 Bulan	.06667	.015275	3
1 Bulan	.11333	.032146	3
2 Bulan	.24333	.049329	3
Total	.14111	.084918	9
0,5% 0 Bulan	.07667	.020817	3
1 Bulan	.05333	.045092	3
2 Bulan	.15333	.055076	3
Total	.09444	.058547	9
1% 0 Bulan	.05667	.037859	3
1 Bulan	.06333	.032146	3
2 Bulan	.20667	.037859	3
Total	.10889	.079757	9
1,5% 0 Bulan	.05333	.040415	3
1 Bulan	.07000	.043589	3
2 Bulan	.16333	.032146	3
Total	.09556	.061464	9
2% 0 Bulan	.05333	.032146	3
1 Bulan	.07000	.026458	3
2 Bulan	.12333	.028868	3
Total	.08222	.040552	9
Total 0 Bulan	.06133	.027740	15
1 Bulan	.07400	.037569	15
2 Bulan	.17800	.056214	15
Total	.10444	.067033	45

### Tests of Between-Subjects Effects

Dependent Variable:TBA

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.157 <sup>a</sup>	14	.011	8.327	.000
Intercept	.491	1	.491	363.921	.000
Level_Asap_Cair	.018	4	.005	3.398	.021
Lama_Penyimpanan	.123	2	.061	45.570	.000
Level_Asap_Cair *	.016	8	.002	1.480	.206
Lama_Penyimpanan					
Error	.040	30	.001		
Total	.689	45			
Corrected Total	.198	44			

a. R Squared = .795 (Adjusted R Squared = .700)

### Post Hoc Tests

#### Lama\_Penyimpanan

#### Multiple Comparisons

Dependent Variable:TBA

	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	Lama_Penyimpanan	Lama_Penyimpanan					
		n	n				
	0 Bulan	1 Bulan	-.01267	.013411	.352	-.04006	.01472
		2 Bulan	-.11667*	.013411	.000	-.14406	-.08928
	1 Bulan	0 Bulan	.01267	.013411	.352	-.01472	.04006
		2 Bulan	-.10400*	.013411	.000	-.13139	-.07661
2 Bulan	0 Bulan	.11667*	.013411	.000	.08928	.14406	
	1 Bulan	.10400*	.013411	.000	.07661	.13139	

Based on observed means.

The error term is Mean Square(Error) = .001.

\*. The mean difference is significant at the .05 level.

**TBA**

Lama_Penyimpanan	N	Subset	
		1	2
Duncan <sup>a</sup> 0 Bulan	15	.06133	
1 Bulan	15	.07400	
2 Bulan	15		.17800
Sig.		.352	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .001.

a. Uses Harmonic Mean Sample Size = 15.000.

**Lampiran 2. Rata-rata nilai pH daging sapi Bali pada otot *Pectoralis profundus* dengan penambahan level asap cair**

**Descriptive Statistics**

Dependent Variable:pH

Level_A	Lama_Penyimpanan	Mean	Std. Deviation	N
0%	0 Bulan	5.8833	.05859	3
	1 Bulan	5.7900	.03606	3
	2 Bulan	5.8800	.04359	3
	Total	5.8511	.06133	9
0,5%	0 Bulan	5.9133	.08963	3
	1 Bulan	5.9867	.11547	3
	2 Bulan	5.9033	.41669	3
	Total	5.9344	.22428	9
1%	0 Bulan	6.0533	.04163	3
	1 Bulan	6.0800	.11269	3
	2 Bulan	6.1333	.25697	3
	Total	6.0889	.14615	9

1,5%	0 Bulan	6.1300	.27731	3
	1 Bulan	6.1000	.11269	3
	2 Bulan	6.1733	.06658	3
	Total	6.1344	.15661	9
2%	0 Bulan	5.9833	.08083	3
	1 Bulan	6.2067	.08505	3
	2 Bulan	6.2000	.09539	3
	Total	6.1300	.13351	9
Total	0 Bulan	5.9927	.15021	15
	1 Bulan	6.0327	.16662	15
	2 Bulan	6.0580	.23821	15
	Total	6.0278	.18657	45

#### Tests of Between-Subjects Effects

Dependent Variable:pH

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.734 <sup>a</sup>	14	.052	1.970	.058
Intercept	1635.035	1	1635.035	6.147E4	.000
Level_Asap_Cair	.589	4	.147	5.539	.002
Lama_Penyimpanan	.033	2	.016	.612	.549
Level_Asap_Cair * Lama_Penyimpanan	.112	8	.014	.525	.828
Error	.798	30	.027		
Total	1636.566	45			
Corrected Total	1.532	44			

a. R Squared = .479 (Adjusted R Squared = .236)

## Post Hoc Tests

### Lama\_Penyimpanan

#### Multiple Comparisons

Dependent Variable:pH

	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
	Lama_Pe nyimpana n	Lama_Pe nyimpana n					
LSD	0 Bulan	1 Bulan	-.0400	.05955	.507	-.1616	.0816
		2 Bulan	-.0653	.05955	.281	-.1870	.0563
	1 Bulan	0 Bulan	.0400	.05955	.507	-.0816	.1616
		2 Bulan	-.0253	.05955	.674	-.1470	.0963
	2 Bulan	0 Bulan	.0653	.05955	.281	-.0563	.1870
		1 Bulan	.0253	.05955	.674	-.0963	.1470

Based on observed means.

The error term is Mean Square(Error) = .027.

#### pH

	Lama_Pe nyimpana n	N	Subset
			1
Duncan <sup>a</sup>	0 Bulan	15	5.9927
	1 Bulan	15	6.0327
	2 Bulan	15	6.0580
	Sig.		.310

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .027.

a. Uses Harmonic Mean Sample Size = 15.000.

**Lampiran 3. Rata-rata nilai *Drip loss* daging sapi Bali pada otot *Pectoralis profundus* dengan penambahan level asap cair**

**Descriptive Statistics**

Dependent Variable: Drip\_Loss

Level_A Lama_Pe sap_Cai nyimpana r n	Mean	Std. Deviation	N	
0%	0 Bulan	8.2867	.62644	3
	1 Bulan	11.0200	.01000	3
	2 Bulan	11.1833	.00577	3
	Total	10.1633	1.44368	9
0,5%	0 Bulan	7.2200	.01000	3
	1 Bulan	10.3267	.02082	3
	2 Bulan	10.5400	.01000	3
	Total	9.3622	1.60937	9
1%	0 Bulan	3.2300	.01000	3
	1 Bulan	9.9233	.01528	3
	2 Bulan	10.3400	.04000	3
	Total	7.8311	3.45562	9
1,5%	0 Bulan	2.9800	.02000	3
	1 Bulan	7.5700	.01732	3
	2 Bulan	9.9700	.06083	3
	Total	6.8400	3.07606	9
2%	0 Bulan	2.8700	.06245	3
	1 Bulan	7.5233	.01528	3
	2 Bulan	8.1300	.02646	3
	Total	6.1744	2.49246	9
Total	0 Bulan	4.9173	2.43683	15
	1 Bulan	9.2727	1.50339	15
	2 Bulan	10.0327	1.06610	15
	Total	8.0742	2.85742	45



### Tests of Between-Subjects Effects

Dependent Variable:Drip\_Loss

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	358.446 <sup>a</sup>	14	25.603	949.754	.000
Intercept	2933.688	1	2933.688	1.088E5	.000
Level_Asap_Cair	100.934	4	25.234	936.038	.000
Lama_Penyimpanan	228.566	2	114.283	4.239E3	.000
Level_Asap_Cair * Lama_Penyimpanan	28.946	8	3.618	134.218	.000
Error	.809	30	.027		
Total	3292.942	45			
Corrected Total	359.254	44			

a. R Squared = .998 (Adjusted R Squared = .997)

### Post Hoc Tests

#### Lama\_Penyimpanan

#### Multiple Comparisons

Dependent Variable:Drip\_Loss

	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	Lama_Penyimpanan 0 Bulan	Lama_Penyimpanan 1 Bulan	-4.3553 <sup>*</sup>	.05995	.000	-4.4778	-4.2329
		Lama_Penyimpanan 2 Bulan	-5.1153 <sup>*</sup>	.05995	.000	-5.2378	-4.9929
	1 Bulan	0 Bulan	4.3553 <sup>*</sup>	.05995	.000	4.2329	4.4778
		2 Bulan	-.7600 <sup>*</sup>	.05995	.000	-.8824	-.6376
	2 Bulan	0 Bulan	5.1153 <sup>*</sup>	.05995	.000	4.9929	5.2378
		1 Bulan	.7600 <sup>*</sup>	.05995	.000	.6376	.8824

Based on observed means.

The error term is Mean Square(Error) = .027.

### Multiple Comparisons

Dependent Variable: Drip\_Loss

	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	Lama_Pe nyimpana n	Lama_Pe nyimpana n					
		0 Bulan	1 Bulan	-4.3553*	.05995	.000	-4.4778
		2 Bulan	-5.1153*	.05995	.000	-5.2378	-4.9929
	1 Bulan	0 Bulan	4.3553*	.05995	.000	4.2329	4.4778
		2 Bulan	-.7600*	.05995	.000	-.8824	-.6376
	2 Bulan	0 Bulan	5.1153*	.05995	.000	4.9929	5.2378
	1 Bulan	.7600*	.05995	.000	.6376	.8824	

\*. The mean difference is significant at the .05 level.

### Drip\_Loss

	Lama_Pe nyimpana n	N	Subset		
			1	2	3
Duncan <sup>a</sup>	0 Bulan	15	4.9173		
	1 Bulan	15		9.2727	
	2 Bulan	15			10.0327
	Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .027.

**Lampiran 4. Rata-rata nilai Aroma daging sapi Bali pada otot *Pectoralis profundus* dengan penambahan level asap cair**

**Descriptive Statistics**

Dependent Variable: Aroma

Level_A Lama_Pe sap_Cai nyimpana r n	Mean	Std. Deviation	N	
0%	0 Bulan	5.6000	.45211	3
	1 Bulan	4.4833	.04163	3
	2 Bulan	4.3667	.03786	3
	Total	4.8167	.63214	9
0,5%	0 Bulan	5.4867	.45347	3
	1 Bulan	4.9967	.28006	3
	2 Bulan	4.8933	.24846	3
	Total	5.1256	.40225	9
1%	0 Bulan	5.8333	.70727	3
	1 Bulan	5.3700	.56294	3
	2 Bulan	5.0833	.40415	3
	Total	5.4289	.59375	9
1,5%	0 Bulan	5.8267	.52272	3
	1 Bulan	5.3867	.62883	3
	2 Bulan	4.8633	.41284	3
	Total	5.3589	.61985	9
2%	0 Bulan	5.8567	.58321	3
	1 Bulan	5.6067	.44501	3
	2 Bulan	5.1633	.11846	3
	Total	5.5422	.48012	9
Total	0 Bulan	5.7207	.49154	15
	1 Bulan	5.1687	.55540	15
	2 Bulan	4.8740	.37590	15
	Total	5.2544	.58816	45

### Tests of Between-Subjects Effects

Dependent Variable: Aroma

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	9.371 <sup>a</sup>	14	.669	3.432	.002
Intercept	1242.413	1	1242.413	6.371E3	.000
Level_Asap_Cair	2.992	4	.748	3.835	.012
Lama_Penyimpanan	5.542	2	2.771	14.209	.000
Level_Asap_Cair * Lama_Penyimpanan	.837	8	.105	.537	.819
Error	5.850	30	.195		
Total	1257.635	45			
Corrected Total	15.221	44			

a. R Squared = .616 (Adjusted R Squared = .436)

### Post Hoc Tests

#### Lama\_Penyimpanan

##### Multiple Comparisons

Dependent Variable: Aroma

	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	Lama_Penyimpanan	Lama_Penyimpanan					
		n	n				
	0 Bulan	1 Bulan	.5520*	.16125	.002	.2227	.8813
		2 Bulan	.8467*	.16125	.000	.5174	1.1760
	1 Bulan	0 Bulan	-.5520*	.16125	.002	-.8813	-.2227
		2 Bulan	.2947	.16125	.078	-.0346	.6240
2 Bulan	0 Bulan	-.8467*	.16125	.000	-1.1760	-.5174	
	1 Bulan	-.2947	.16125	.078	-.6240	.0346	

Based on observed means.

The error term is Mean Square(Error) = .195.

\*. The mean difference is significant at the .05 level.

**Aroma**

Lama_Penyimpanan	N	Subset	
		1	2
Duncan <sup>a</sup> 2 Bulan	15	4.8740	
1 Bulan	15	5.1687	
0 Bulan	15		5.7207
Sig.		.078	1.000

**Lampiran 5. Rata-rata nilai Warna daging sapi Bali pada otot *Pectoralis profundus* dengan penambahan level asap cair**

**Descriptive Statistics**

Dependent Variable:Warna

Level_A	Lama_Penyimpanan	Mean	Std. Deviation	N
0%	0 Bulan	4.7667	.02517	3
	1 Bulan	4.0067	.63516	3
	2 Bulan	4.3567	.66395	3
	Total	4.3767	.56546	9
0,5%	0 Bulan	4.9033	.01528	3
	1 Bulan	4.1067	.58731	3
	2 Bulan	4.0167	.62660	3
	Total	4.3422	.60255	9
1%	0 Bulan	4.7833	.03786	3
	1 Bulan	4.0767	.57553	3
	2 Bulan	4.3733	.63509	3
	Total	4.4111	.52767	9
1,5%	0 Bulan	5.2333	.02082	3
	1 Bulan	4.4267	.27154	3
	2 Bulan	4.4067	.57735	3
	Total	4.6889	.51835	9

2%	0 Bulan	5.3500	.03000	3
	1 Bulan	4.5533	.02082	3
	2 Bulan	4.4533	.03055	3
	Total	4.7856	.42621	9
Total	0 Bulan	5.0073	.24921	15
	1 Bulan	4.2340	.46312	15
	2 Bulan	4.3213	.50047	15
	Total	4.5209	.53852	45

### Tests of Between-Subjects Effects

Dependent Variable:Warna

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	7.303 <sup>a</sup>	14	.522	2.868	.008
Intercept	919.730	1	919.730	5.056E3	.000
Level_Asap_Cair	1.467	4	.367	2.017	.117
Lama_Penyimpanan	5.381	2	2.691	14.792	.000
Level_Asap_Cair * Lama_Penyimpanan	.454	8	.057	.312	.955
Error	5.457	30	.182		
Total	932.490	45			
Corrected Total	12.760	44			

a. R Squared = .572 (Adjusted R Squared = .373)

## Post Hoc Tests

### Lama\_Penyimpanan

#### Multiple Comparisons

Dependent Variable:Warna

	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
	Lama_Pe nyimpana n	Lama_Pe nyimpana n					
LSD	0 Bulan	1 Bulan	.7733*	.15573	.000	.4553	1.0914
		2 Bulan	.6860*	.15573	.000	.3679	1.0041
	1 Bulan	0 Bulan	-.7733*	.15573	.000	-1.0914	-.4553
		2 Bulan	-.0873	.15573	.579	-.4054	.2307
	2 Bulan	0 Bulan	-.6860*	.15573	.000	-1.0041	-.3679
		1 Bulan	.0873	.15573	.579	-.2307	.4054

Based on observed means.

The error term is Mean Square(Error) = .182.

\*. The mean difference is significant at the .05 level.

#### Warna

	Lama_Pe nyimpana n	N	Subset	
			1	2
Duncan <sup>a</sup>	1 Bulan	15	4.2340	
	2 Bulan	15	4.3213	
	0 Bulan	15		5.0073
	Sig.		.579	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .182.

a. Uses Harmonic Mean Sample Size = 15.000.

## RIWAYAT HIDUP



. Lahir di kandoa pada tanggal 29 juny 1986. Penulis yang akrab disapa “Amaank” adalah anak ketiga dari empat bersaudara, pasangan suami istri Umar Pandaka. Dan Hj Arbia S. Penulis mengawali pendidikan di SDN 63 KANDOA (1993-1999), kemudian penulis melanjutkan pendidikan lanjutan pertama di SMPN 2 BUA (1999-2002). Pada tahun 2004, penulis melanjutkan pendidikan menengah kejuruan di SMA NEG UNGGULAN PALOPO (2002-2005), kemudian pada tahun 2005 penulis lulus dalam Ujian Masuk Bersama (UMB) di Universitas Hasanuddin Makassar dan diterima pada Fakultas Peternakan Jurusan Produksi Ternak Program Studi Teknologi Hasil Ternak. Selama berkuliah di Fakultas Peternakan, penulis menjadi asisten pada Praktikum Abatoir dan teknik Pematangan Ternak.