Lampiran 1. Analisis presentase karkas ayam pedaging

	Perlakuan					total	Rata-rata
	1	2	3	4	5		
P0	61.50	61.23	61.51	62.00	61.02	307.26	61.45
P1	61.19	62.30	62.06	62.46	62.00	310.01	62.002
P2	62.30	63.20	63.20	64.20	61.40	314.3	62.86
P3	66.60	64.20	67.50	64.10	65.00	327.4	65.48
						1258.97	251.79

Analisis ragam

Hipotesa H0 tidak ada pengaruh pemberian limbah bandeng terhadap karkas ayam pedaging

H1 ada pengaruh pemberian limbah bandeng terhadap karkas ayam pedaging

$X = \frac{\sum T}{r \times t}$

$= \frac{1258.97}{20}$

$= 62.95$

$FK = \frac{ó}{rxn} = \frac{1258.97^2}{20}$

Jk total $= 61.50^2 + 61.23^2 + 61.50^2 + \cdots\cdots\cdots - FK$

$= 62.84$

JK Perlakuan $= \frac{307.26^2+310.01^2+314.300^2+327.400^2}{5} - FK$

$= 47.75$

JK Galat = JK total Percobaan - JK Perlakuan

= 62.84 - 47.75

= 15.08

SK	db	JK	KT	F hitung	F tabel 5%	F tabel 1%
Perlakuan	3	47.75	15.95	16.89	3.24	5.29
Galat	16	15.08	0.94			
Total	19					

Kesimpulan : Karena F hitung (9.97) > F tabel (3.24) maka H1 diterima

Jadi ada pengaruh pemberian limbah bandeng terhadap karkas ayam pedaging, karena ada pengaruh maka perlu adanya uji lanjut. Namun untuk menentukan uji lanjut yang akan digunakan maka akan terlebih dahulu akan dicari koefisien keragamannya (KK)

$$KK = \frac{\sqrt{KT\ Galat}}{y}\ x\ 100\ \%$$

$$= \frac{\sqrt{0.94}}{1258.79}\ x\ 100\ \%$$

$$= 0.07\ \%$$

Karena KKnya kecil yaitu 0.07 maka uji lanjut yang digunakan adalah uji beda nyata jujur (BNJ).

$$BNJ_{0.01} = t_{0.01\ (db\ galat\ )}\ x\ \sqrt{\frac{KT\ Galat}{ulangan}}$$

$$= 5.19\ x\ \sqrt{\frac{0.94}{5}}$$

$$= 2.2$$

Tabel Beda Nyata Jujur (BNJ) 0.01

Perlakuan	**Rata-rata**	**Notasi BNT $_{0,01}$**
P0 0%	61.45	a
P1 5%	62.002	a
P2 7.5%	62.86	a
P3 10%	65.48	b

Lampiran 2. Analisis presentase lemak daging ayam pedaging

	Perlakuan					total	Rata-rata
	1	2	3	4	5		
P0	23.56	24.91	23.17	22.85	24.75	119.25	23.85
P1	23.05	22.82	22.64	22.29	22.20	113.007	22.60
P2	22.31	20.77	21.56	22.43	21.23	108.29	21.65
P3	20.37	19.68	20.81	20.60	21.87	103.33	20.66
						443.89	88.77

Analisis ragam

Hipotesa = H0 tidak ada pengaruh pemberian limbah bandeng terhadap lema daging ayam pedaging

H1 ada pengaruh pemberian limbah bandeng terhadap lemak daging ayam pedaging

$X = \frac{\sum T}{r \times t}$

$= \frac{443.89}{20}$

$= 21.19$

$FK = \frac{ó^2}{r \times n} = \frac{443.89^2}{20}$

$= 9851.98$

JK total $= 23.56^2 + 24.91^2 + 23.17^2$ ……..- FK

$= 36.17$

JK Perlakuan $= \frac{119.25^2 + 113.007^2 + 108.25^2 + 103.33^2}{5} - FK$

$= 27.65$

Jk Galat = JK total percobaan – Jk perlakuan

$= 36.17 - 27.65$

$= 8.52$

SK	db	JK	KT	F hitung	F tabel 5%	F tabel 1%
Perlakuan	3	27.65	9.22	17.32*	3.24	5.29
Galat	16	8.5	0.53			
Total	19					

Kesimpulan : Karena F hitung (17.32) > F tabel (3.24) maka H1 diterima

Jadi ada pengaruh pemberian limbah bandeng terhadap presentase lemak daging ayam pedaging, karena ada pengaruh maka perlu adanya uji lanjut. Namun untuk menentukan uji lanjut yang akan digunakan maka akan terlebih dahulu akan dicari koefisien keragamannya (KK)

$$KK = \frac{\sqrt{KT\ Galat}}{y} \times 100\ \%$$

$$= \frac{\sqrt{0.53}}{443.89} \times 100\%$$

$$= 8.21\ \%$$

Karena KKnya sedang yaitu 8.21 % maka uji lanjut yang digunakan adalah uji Beda Nyata Terkecil (BNT)

$$BNT = t_{0.01\ (db)} \times \sqrt{\frac{2\ x\ KT\ Galat}{ulangan}}$$

$$= 2.96 \times \sqrt{\frac{2\ x\ 0.53}{5}}$$

$$=1.33$$

Tabel uji Beda Nyata Terkecil (BNT) 0.01

Perlakuan	**Rata-rata**	**Notasi BNT $_{0,01}$**
P3 10%	20.67	a
P2 7,5%	21.65	ab
P1 5%	22.60	bc
P0 0%	23.85	c

Lampiran 3 analisis lemak abdominal ayam pedaging

	Perlakuan					total	Rata-rata
	1	2	3	4	5		
P0	9.28	9.1	7.04	9.28	9.28	40.99	8.198
P1	9.1	7.92	7.49	7.71	9.1	40.14	8.028
P2	7.71	7.71	9.1	8.53	7.71	42.69	8.538
P3	6.29	6.02	7.27	8.53	6.29	36.83	7.366
						160.65	32.13

Analisis ragam

Hipotesa = H0 tidak ada pengaruh pemberian limbah bandeng terhadap lema daging ayam pedaging

H1 ada pengaruh pemberian limbah bandeng terhadap lemak daging ayam pedaging

$X = \frac{\sum T}{r \times t}$

$= \frac{160.65}{20}$

$= 8.03$

FK $= \frac{ó^2}{r \times n} = \frac{160.65^2}{20}$

$= 1290.42$

JK total $= 9.28^2+9.10^{2\cdot}+7.04^2+9.28^2$……..- FK

$= 22.40$

JK Perlakuan $= \frac{40.99^2+40.14^2+42.69^2+36.83^2}{5} - FK$

$= 3.64$

JK Galat = JK total – JK perlakuan

$= 22.40 - 3.64$

$= 18.77$

SK	Db	JK	KT	F hitung	F tabel
Perlakuan	3	3.64	1.21	1.03	3.24
Galat	16	18.77	1.17		
Total	19				

Kesimpulan : karena F hitung (1.03) < F tabel (3,24) maka H0 diterima

Jadi : Tidak ada pengaruh pemberian limbah ikan bandeng terhadap lemak abdominal ayam pedaging

Karena tidak ada pengaruh maka tidak perlu dilakukan uji lanjut.

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Oneway

Descriptives

data

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
0	5	61.4520	.36806	.16460	60.9950	61.9090	61.02	62.00
1	5	62.0020	.49022	.21924	61.3933	62.6107	61.19	62.46
2	5	62.8600	1.05736	.47286	61.5471	64.1729	61.40	64.20
3	5	65.4800	1.50897	.67483	63.6064	67.3536	64.10	67.50
Total	20	62.9485	1.81864	.40666	62.0973	63.7997	61.02	67.50

Test of Homogeneity of Variances

data

Levene Statistic	df1	df2	Sig.
5.646	3	16	.008

ANOVA

data

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	47.758	3	15.919	16.887	.000
Within Groups	15.083	16	.943		
Total	62.842	19			

Post Hoc Tests

Multiple Comparisons

data

LSD

(I) perlakuan	(J) perlakuan	Mean Difference (I-J)	Std. Error	Sig.	99% Confidence Interval	
					Lower Bound	Upper Bound
0	1	-.55000	.61407	.384	-2.3436	1.2436
	2	-1.40800	.61407	.036	-3.2016	.3856
	3	-4.02800*	.61407	.000	-5.8216	-2.2344
1	0	.55000	.61407	.384	-1.2436	2.3436
	2	-.85800	.61407	.181	-2.6516	.9356
	3	-3.47800*	.61407	.000	-5.2716	-1.6844
2	0	1.40800	.61407	.036	-.3856	3.2016
	1	.85800	.61407	.181	-.9356	2.6516
	3	-2.62000*	.61407	.001	-4.4136	-.8264
3	0	4.02800*	.61407	.000	2.2344	5.8216
	1	3.47800*	.61407	.000	1.6844	5.2716
	2	2.62000*	.61407	.001	.8264	4.4136

*. The mean difference is significant at the 0.01 level.

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Oneway

Descriptives

data

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
0	5	23.8480	.93275	.41714	22.6898	25.0062	22.85	24.91
1	5	22.5980	.35506	.15879	22.1571	23.0389	22.20	23.05
2	5	21.6540	.70949	.31729	20.7730	22.5350	20.76	22.42
3	5	20.6620	.79317	.35472	19.6771	21.6469	19.68	21.86
Total	20	22.1905	1.38035	.30866	21.5445	22.8365	19.68	24.91

Test of Homogeneity of Variances

data

Levene Statistic	df1	df2	Sig.
1.732	3	16	.201

ANOVA

data

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	27.688	3	9.229	17.343	.000
Within Groups	8.514	16	.532		
Total	36.202	19			

Post Hoc Tests

Multiple Comparisons

data

LSD

(I) perlakuan	(J) perlakuan	Mean Difference (I-J)	Std. Error	Sig.	99% Confidence Interval	
					Lower Bound	Upper Bound
0	1	1.25000	.46137	.015	-.0976	2.5976
	2	2.19400*	.46137	.000	.8464	3.5416
	3	3.18600*	.46137	.000	1.8384	4.5336
1	0	-1.25000	.46137	.015	-2.5976	.0976
	2	.94400	.46137	.058	-.4036	2.2916
	3	1.93600*	.46137	.001	.5884	3.2836
2	0	-2.19400*	.46137	.000	-3.5416	-.8464
	1	-.94400	.46137	.058	-2.2916	.4036
	3	.99200	.46137	.047	-.3556	2.3396
3	0	-3.18600*	.46137	.000	-4.5336	-1.8384
	1	-1.93600*	.46137	.001	-3.2836	-.5884
	2	-.99200	.46137	.047	-2.3396	.3556

*. The mean difference is significant at the 0.01 level.

LEMAK ABDOMINAL

Oneway

Descriptives

data

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
0	5	8.1980	1.42623	.63783	6.4271	9.9689	6.29	9.28
1	5	8.0280	.62512	.27956	7.2518	8.8042	7.49	9.10
2	5	8.5380	.85169	.38089	7.4805	9.5955	7.71	9.64
3	5	7.3660	1.24166	.55529	5.8243	8.9077	6.02	8.72
Total	20	8.0325	1.08588	.24281	7.5243	8.5407	6.02	9.64

Test of Homogeneity of Variances

data

Levene Statistic	df1	df2	Sig.
3.302	3	16	.047

ANOVA

data

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.636	3	1.212	1.033	.404
Within Groups	18.768	16	1.173		
Total	22.404	19			