DAFTAR PUSTAKA

AOAC. 2005. Official Methods of Analysis of AOAC International. Horwitz, W.ed., 17thed. Gaitherburg, Marylan.

Astuti, P., Suripta, H., dan N. E. Sukarini. 2017. Produksi dan Komposisi Susu Kambing Peranakan Ettawa Melalui Pemberian Ekstrak Meniran. AGRISAINTIFIKA: Jurnal Ilmu-Ilmu Pertanian. 1(2) : 82-87. https://doi.org/10.32585/ags.v1i2.43

Badan Badan Pusat Statistik .2021. Konsumsi Susu Indonesia 2021. Jakarta: Badan Pusat Statistik. https://www.bps.go.id/id/statistics-table/2/NDk

Bulgari O, Caroli AM, Chessa S, Rizzi R, Gigliotti C. 2013. Variation of vitamin D in cow's milk and interaction with β-lactoglobulin. Molecules. 18(9):10122–31. https://doi.org/10.3390/molecules 180910122

Djordjevic, J., Ledina, T., Baltic, MZ, Trbovic, D., Babic, M., and S, Bulajic. 2019. Profil asam lemak susu. Dalam IOP Conference Series: Earth and Environmental Science 333 . 012057. IOP Publishing. https://doi.org/10.1088/1755-1315/333/1/012057

Dolatowska-Żebrowska, K., Ostrowska-Ligęza, E., Wirkowska-Wojdyła, M., Bryś, J., and A. Górska. 2019. Characterization of thermal properties of goat milk fat and goat milk chocolate by using DSC, PDSC and TGA methods. Journal of Thermal Analysis and Calorimetry. 138 : 2769-2779. https://doi.org/10.1007/s10973-019-08181-0

FAO. 2010. Fats and fatty acids in human nutrition (report of an expert consultation). Rome: Food and Agriculture Organization of The United Nations. 66. https://www.fao.org/fileadmin/user_upload/nutrition/docs/requirements/fatsandfattacidsreport.pdf

Fardiaz D. 1989. Kromatografi Gas dalamAnalisis Pangan. Bogor : Pusat Antar Universitas, Institut Pertanian Bogor. https://opaclibrary.unej.ac.id/index.php?p=show_detail&id=49335&keywords=

Gobel, M., Halid, S. A., Rugayah, N., Hasanuddin, A., and L, Fachry. 2022. Profil Asam Lemak, Rasio Asam Lemak Jenuh: Asam Lemak Tidak Jenuh Rantai Tunggal: Asam Lemak Tidak Jenuh Rantai Jamak Pada Nugget Ayam Yang Diformulasi Dengan Minyak Kedelai. Jurnal Pengolahan Pangan. 7(1) :26-32. https://doi.org/10.31970/pangan.v7i1.76

Kalač, P., and E Samková. 2010. The effects of feeding various forages on fatty acid composition of bovine milk fat: A review. Czech Journal of Animal Science. 55(12) : 521-537. https://doi.org/10.17221/2485-CJAS

Kompan, D., dan Komprej, A. 2012. The effect of fatty acids in goat milk on health. In Milk production-An up-to-date overview of animal nutrition, management and health. IntechOpen. https://doi.org/10.5772/50769

Maulana, I. T., Sari, R. W., Partina, R. S., and I. N, Azizah. 2020. Telaah Kandungan Asam Lemak Esensial dalam Empat Jenis Minyak Ikan Konsumsi di Jawa Barat. Jurnal Ilmiah Farmasi Farmasyifa. 3(2) :92-101. https://doi.org/10.29313/jiff.v3i2.5977

Nudda, A., Cannas, A., Correddu, F., Atzori, A. S., Lunesu, M. F., Battacone, G., and G, Pulina. 2020. Sheep and goats respond differently to feeding strategies directed to improve the fatty acid profile of milk fat. Animals. 10(8). 1290. https://doi.org/10.3390/ani10081290

Rosartio, R., Suranindyah, Y., dan S. Bintara. 2015. Produksi dan komposisi susu kambing peranakan Ettawa di dataran tinggi dan dataran rendah Daerah Istimewa Yogyakarta. *Buletin Peternakan*, *39*(3) :180-188. https://doi.org/10.21059/buletinpeternak.v39i3.7986

Sumarmono, J., Sulistyowati, M., dan Soenarto. 2015. Fatty acids profiles of fresh milk, yogurt and concentrated yogurt from Peranakan Etawah goat milk. Procedia Food Science. 3. 216–222. https://doi.org/10.1016/j.profoo.2015.01.024

Wijaya, M. T. H., M. Zain dan Elihasridas. 2023. Pengaruh pemberian leguminosa *indigofera* sebagai pengganti konsentrat dalam ransum kambing PE terhadap kualitas susu, produksi dan kecernaan zat makanan. Jurnal Ilmiah Universitas Batanghari Jambi. 23(2): 1111-1117. https://doi.org/10.33087/jiubj.v23i2.3495

LAMPIRAN

Lampiran 1. Hasil analisis kandungan asam lemak tak jenuh MUFA

MUFA	Pakan A						Pakan B						PAKAN C						PAKAN D					
	K1P1	K2P3	K3P4	K4P2	Rata-Rata	SD	K1P2	K2P1	K3P3	K4P4	Rata-Rata	SD	K1P4	K2P2	K3P1	K4P3	Rata-Rata	SD	K1P3	K2P4	K3P2	K4P1	Rata-Rata	SD
Myristoleic Acid, C14:1	0.2565	0.0254	0.0333	0.0210	0.0841	0.1151	0.0444	0.0892	0.0619	0.0148	0.0526	0.0312	0.0269	0.0144	0.3508	0.0130	0.1013	0.1665	0.0543	0.0222	0.0366	0.1569	0.0675	0.0610
Cs-10-Pentadecanoic Acid, C15:1	0	0	0	0	0.0000	0.0000	0	0.0029	0	0	0.0007	0.0014	0	0	0	0	0.0000	0.0000	0	0	0	0	0.0000	0.0000
Palmitoleic Acid, C16:1	0.8002	0.1290	0.0021	0.1811	0.2781	0.3561	0.1794	0.5212	0.2193	0.0047	0.2312	0.2147	0.0949	0.1989	0.9664	0.1336	0.3484	0.4142	26.8807	0.0983	0.1071	0.6847	6.9427	13.2949
Cs-10-Heptadecanoic Acid, C17:1	0.3818	0.0584	0.0739	0.1021	0.1540	0.1529	0.0643	0.2460	0.0858	0.0572	0.1133	0.0893	0.0386	0.0894	0.1797	0.0610	0.0922	0.0620	0.0772	0.0385	0.0550	0.3156	0.1216	0.1303
Elaidic Acid, C18:1n9t	0.3654	0.0353	0.1004	3.4860	0.9968	1.6656	3.8975	0.5571	0.0853	0.1023	1.1606	1.8377	0.0223	0.0783	0.0659	0.0796	0.0615	0.0269	0.0407	0.0266	0.0734	0.5425	0.1708	0.2486
Oleic Acid, C18:1n9c	33.8253	9.2098	0.2517	0.4250	10.9280	15.8276	0.2102	36.2958	10.9009	8.8960	14.0757	15.5230	6.3672	17.5003	17.4467	0.2447	10.3897	8.5530	9.4565	6.0592	7.0418	34.1334	14.1727	13.3835
Cs-11-Eicosenoic Acid, C20:1	0.0553	0.0098	0.0179	0.0293	0.0281	0.0198	0.0079	0.0300	0.0181	0.0269	0.0207	0.0099	0.0125	0.0085	0.0497	0	0.0177	0.0220	0.0145	0.0087	0.0153	0.0746	0.0283	0.0310
Erucic Acid, C22:1	0.0097	0	0.0032	0.0049	0.0044	0.0040	0	0.0264	0.0066	0	0.0082	0.0125	0	0	0.0110	0	0.0027	0.0055	0	0	0	0.0534	0.0133	0.0267
Nervonic Acid, C24:1	0	0	0	0	0.0000	0.0000	0	0.0585	0	0	0.0146	0.0293	0	0	0	0	0.0000	0.0000	0	0	0	0.1242	0.0310	0.0621
TOTAL					**12.4735**	**18.1411**	**TOTAL**				**15.6777**	**17.7490**	**TOTAL**				**11.0136**	**9.2500**	**TOTAL**				**21.5479**	**27.2380**

Hasil SPSS

Tests of Between-Subjects Effects

Dependent Variable: Myristoleic Acid, C14:1

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.124[a]	9	.014	4.410	.042
Intercept	.093	1	.093	29.956	.002
Perlakuan	.005	3	.002	.567	.657
Periode	.101	3	.034	10.763	.008
Kambing	.018	3	.006	1.900	.231
Error	.019	6	.003		
Total	.236	16			
Corrected Total	.142	15			

a. R Squared = .869 (Adjusted R Squared = .672)

Myristoleic Acid, C14:1

Duncan[a,b]

Periode	N	Subset 1	Subset 2
Periode 4	4	.0243	
Periode 2	4	.0291	
Periode 3	4	.0386	
Periode 1	4		.2134
Sig.		.736	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .003.

a. Uses Harmonic Mean Sample Size = 4.000.

b. Alpha = .05.

Tests of Between-Subjects Effects

Dependent Variable: Cis-10-Pentadecanoic Acid, C15:1

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4.731E-6[a]	9	5.256E-7	1.000	.520
Intercept	5.256E-7	1	5.256E-7	1.000	.356
Perlakuan	1.577E-6	3	5.256E-7	1.000	.455
Periode	1.577E-6	3	5.256E-7	1.000	.455
Kambing	1.577E-6	3	5.256E-7	1.000	.455
Error	3.154E-6	6	5.256E-7		
Total	8.410E-6	16			
Corrected Total	7.884E-6	15			

a. R Squared = .600 (Adjusted R Squared = .000)

Tests of Between-Subjects Effects

Dependent Variable: Palmitoleic Acid, C16:1

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	397.051[a]	9	44.117	.991	.525
Intercept	60.846	1	60.846	1.366	.287
Perlakuan	132.967	3	44.322	.995	.457
Periode	128.662	3	42.887	.963	.469
Kambing	135.423	3	45.141	1.014	.450
Error	267.207	6	44.534		
Total	725.104	16			
Corrected Total	664.258	15			

a. R Squared = .598 (Adjusted R Squared = -.006)

Tests of Between-Subjects Effects

Dependent Variable: Cis-10-Heptadecanoic Acid, C17:1

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.152[a]	9	.017	7.847	.010
Intercept	.231	1	.231	107.862	.000
Perlakuan	.008	3	.003	1.230	.378
Periode	.139	3	.046	21.556	.001
Kambing	.005	3	.002	.754	.559
Error	.013	6	.002		
Total	.396	16			

Cis-10-Heptadecanoic Acid, C17:1

Duncan[a,b]

Periode	N	Subset 1	Subset 2
Periode 4	4	.0521	
Periode 3	4	.0706	
Periode 2	4	.0777	
Periode 1	4		.2808
Sig.		.477	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .002.

a. Uses Harmonic Mean Sample Size = 4.000.

b. Alpha = .05.

Tests of Between-Subjects Effects

Dependent Variable: Elaidic Acid, C18:1n9t

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	16.432[a]	9	1.826	1.828	.238
Intercept	5.710	1	5.710	5.717	.054
Perlakuan	3.783	3	1.261	1.263	.368
Periode	9.101	3	3.034	3.037	.115
Kambing	3.548	3	1.183	1.184	.392
Error	5.993	6	.999		
Total	28.135	16			
Corrected Total	22.425	15			

a. R Squared = .733 (Adjusted R Squared = .332)

Tests of Between-Subjects Effects

Dependent Variable: Oleic Acid, C18:1n9c

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1943.807[a]	9	215.979	3.856	.057
Intercept	2456.801	1	2456.801	43.862	.001
Perlakuan	48.634	3	16.211	.289	.832
Periode	1743.017	3	581.006	10.373	.009
Kambing	152.156	3	50.719	.906	.492
Error	336.070	6	56.012		
Total	4736.677	16			
Corrected Total	2279.876	15			

a. R Squared = .853 (Adjusted R Squared = .631)

Oleic Acid, C18:1n9c

Duncan[a,b]

Periode	N	Subset 1	Subset 2
Periode 4	4	5.3935	
Periode 2	4	6.2943	
Periode 3	4	7.4530	
Periode 1	4		30.4253
Sig.		.719	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 56.012.

a. Uses Harmonic Mean Sample Size = 4.000.

b. Alpha = .05.

Tests of Between-Subjects Effects

Dependent Variable: Cis-11-Eicosenoic Acid, C20:1

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.006[a]	9	.001	5.725	.023
Intercept	.009	1	.009	83.940	.000
Perlakuan	.000	3	.000	1.062	.432
Periode	.004	3	.001	13.944	.004
Kambing	.001	3	.000	2.170	.193
Error	.001	6	.000		
Total	.015	16			
Corrected Total	.006	15			

a. R Squared = .896 (Adjusted R Squared = .739)

Cis-11-Eicosenoic Acid, C20:1

Duncan[a,b]

Periode	N	Subset 1	Subset 2
Periode 3	4	.0106	
Periode 2	4	.0153	
Periode 4	4	.0165	
Periode 1	4		.0524
Sig.		.464	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .000.

a. Uses Harmonic Mean Sample Size = 4.000.

b. Alpha = .05.

Tests of Between-Subjects Effects

Dependent Variable: Erucic Acid, C22:1

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.002[a]	9	.000	2.179	.178
Intercept	.001	1	.001	7.054	.038
Perlakuan	.000	3	8.839E-5	.752	.560
Periode	.002	3	.001	4.862	.048
Kambing	.000	3	.000	.925	.484
Error	.001	6	.000		
Total	.004	16			
Corrected Total	.003	15			

a. R Squared = .766 (Adjusted R Squared = .414)

Erucic Acid, C22:1

Duncan[a,b]

Periode	N	Subset 1	Subset 2
Periode 4	4	.0008	
Periode 2	4	.0012	
Periode 3	4	.0017	
Periode 1	4		.0251
Sig.		.918	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .000.

a. Uses Harmonic Mean Sample Size = 4.000.

b. Alpha = .05.

Tests of Between-Subjects Effects

Dependent Variable: Nervonic Acid, C24:1

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.012[a]	9	.001	1.461	.332
Intercept	.002	1	.002	2.384	.174
Perlakuan	.003	3	.001	1.000	.455
Periode	.006	3	.002	2.384	.168
Kambing	.003	3	.001	1.000	.455
Error	.005	6	.001		

Lampiran 2. Hasil analisis kandungan asam lemak tak jenuh PUFA

PUFA	Pakan A				Rata-Rata	SD	Pakan B				Rata-Rata	SD	PAKAN C				Rata-Rata	SD	PAKAN D				Rata-Rata	SD
	K1P1	K2P3	K3P4	K4P2			K1P2	K2P1	K3P3	K4P4			K1P4	K2P2	K3P1	K4P3			K1P3	K2P4	K3P2	K4P1		
Linolelaidic Acid, C18:2n9t	2.4325	0.1893	0.5114	0.6830	0.9541	1.0066	0.0326	0.8681	0.0426	0.6510	0.3986	0.4262	0.3788	1.2158	0.1177	0.2122	0.4811	0.5016	0.0306	0.6428	0.7015	0.2312	0.4015	0.3239
Linoleic Acid, C18:2n6c	17.7628	0.1497	4.8832	6.5497	7.3364	7.4609	3.1844	26.4097	6.7759	0.3836	9.1884	11.7752	1.0743	2.9305	16.0494	7.4958	6.8875	6.6774	2.8624	0.4365	1.6088	20.6627	6.3926	9.5648
v-Linolenic Acid, C18:3n6	0.0614	0.0137	0.0248	0.0423	0.0355	0.0209	0.0212	0.0741	0.0247	0.0277	0.0369	0.0249	0.0157	0.0086	0.0665	0.0131	0.0260	0.0272	0.0248	0.0031	0.0218	0.1072	0.0392	0.0463
Linolenic Acid, C18:3n3	0.3632	0.0855	0.0524	0.0969	0.1495	0.1437	0.0730	0.4862	0.0881	0.0710	0.1796	0.2046	0.0278	0.1574	0.1544	0.0933	0.1082	0.0612	0.0538	0.0484	0.0501	0.3023	0.1137	0.1258
Cis-8,11,14-Eicosetrienoic Acid, C2	0.0175	0.0034	0.0065	0.0018	0.0073	0.0071	0.0034	0.0251	0.0068	0.0109	0.0115	0.0096	0.0074	0.0073	0.0185	0.0050	0.0095	0.0061	0.0035	0.0077	0.0072	0.0396	0.0145	0.0168
Cis-11,14,17-Eicosatrienoic acid	0.0029	0	0.0000	0.0000	0.0007	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Arachidonic Acid, C20:4n6	0.4051	0.0713	0.0703	0.1371	0.1710	0.1592	0.0590	0.2957	0.0819	0.0860	0.1307	0.1107	0.0361	0.0943	0.4912	0.0790	0.1751	0.2121	0.0721	0.0527	0.1575	0.3645	0.1617	0.1427
Cis-5,8,11,14,17-Eicosapentaenoic	0.2426	0.0812	0	0.1280	0.1129	0.1013	0.0358	0.3111	0.0654	0.0901	0.1256	0.1256	0.0240	0.0955	0.2135	0.0916	0.1062	0.0787	0.0457	0.0370	0.0600	0.3043	0.1117	0.1287
Cis-4,7,10,13,16,19-Docosahexaen	0	0.1947	0.1619	0.3671	0.1809	0.1505	0.1261	0.1494	0.1693	0.2875	0.1831	0.0718	0.0848	0.2415	0.3426	0.2344	0.2258	0.1062	0.1592	0.1478	0.0826	0.1398	0.1323	0.0341
TOTAL					8.9483	9.0517	TOTAL				10.2544	12.7486	TOTAL				8.0195	7.6705	TOTAL				7.3673	10.3832

Hasil SPSS

Tests of Between-Subjects Effects

Dependent Variable: Linolelaidic Acid, C18:2n9t

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2.622[a]	9	.291	.606	.760
Intercept	4.996	1	4.996	10.398	.018
Perlakuan	.851	3	.284	.590	.644
Periode	1.315	3	.438	.912	.489
Kambing	.456	3	.152	.316	.814
Error	2.883	6	.481		
Total	10.501	16			
Corrected Total	5.505	15			

a. R Squared = .476 (Adjusted R Squared = -.309)

Tests of Between-Subjects Effects

Dependent Variable: Linoleic Acid, C18:2n6c

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	915.332[a]	9	101.704	6.511	.017
Intercept	888.329	1	888.329	56.867	.000
Perlakuan	17.878	3	5.959	.381	.770
Periode	884.349	3	294.783	18.871	.002
Kambing	13.105	3	4.368	.280	.838
Error	93.726	6	15.621		
Total	1897.388	16			
Corrected Total	1009.059	15			

a. R Squared = .907 (Adjusted R Squared = .768)

Linoleic Acid, C18:2n6c

Duncan[a,b]

Periode	N	Subset 1	Subset 2
Periode 4	4	1.69440	
Periode 2	4	3.56835	
Periode 3	4	4.32095	
Periode 1	4		20.22115
Sig.		.398	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 15.621.

a. Uses Harmonic Mean Sample Size = 4.000.

Tests of Between-Subjects Effects

Dependent Variable: Linolenic Acid, C18:3n3

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.231[a]	9	.026	5.460	.026
Intercept	.304	1	.304	64.486	.000
Perlakuan	.013	3	.004	.946	.475
Periode	.194	3	.065	13.753	.004
Kambing	.024	3	.008	1.682	.269
Error	.028	6	.005		
Total	.563	16			
Corrected Total	.260	15			

a. R Squared = .891 (Adjusted R Squared = .728)

Linolenic Acid, C18:3n3

Duncan[a,b]

Periode	N	Subset 1	Subset 2
Periode 4	4	.04990	
Periode 3	4	.08018	
Periode 2	4	.09435	
Periode 1	4		.32653
Sig.		.409	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .005.

a. Uses Harmonic Mean Sample Size = 4.000.

b. Alpha = .05.

Tests of Between-Subjects Effects

Dependent Variable: Cis-8,11,14-Eicosetrienoic Acid, C20:3n6

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.001[a]	9	.000	5.793	.022
Intercept	.002	1	.002	71.507	.000
Perlakuan	.000	3	3.739E-5	1.453	.318
Periode	.001	3	.000	14.806	.004
Kambing	8.654E-5	3	2.885E-5	1.121	.412
Error	.000	6	2.574E-5		
Total	.003	16			
Corrected Total	.001	15			

a. R Squared = .897 (Adjusted R Squared = .742)

Cis-8,11,14-Eicosetrienoic Acid, C20:3n6

Duncan[a,b]

Periode	N	Subset 1	Subset 2
Periode 3	4	.00467	
Periode 2	4	.00492	
Periode 4	4	.00813	
Periode 1	4		.02518
Sig.		.388	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 2.574E-5.

a. Uses Harmonic Mean Sample Size = 4.000.

b. Alpha = .05.

Tests of Between-Subjects Effects

Dependent Variable: Cis-11,14,17-Eicosatrienoic acid

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4.731E-6[a]	9	5.256E-7	1.000	.520
Intercept	5.256E-7	1	5.256E-7	1.000	.356
Perlakuan	1.577E-6	3	5.256E-7	1.000	.455
Periode	1.577E-6	3	5.256E-7	1.000	.455
Kambing	1.577E-6	3	5.256E-7	1.000	.455
Error	3.154E-6	6	5.256E-7		
Total	8.410E-6	16			
Corrected Total	7.884E-6	15			

a. R Squared = .600 (Adjusted R Squared = .000)

Tests of Between-Subjects Effects

Dependent Variable: Arachidonic Acid, C20:4n6

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.303[a]	9	.034	18.880	.001
Intercept	.408	1	.408	228.597	.000
Perlakuan	.005	3	.002	.907	.491
Periode	.286	3	.095	53.534	.000
Kambing	.012	3	.004	2.199	.189
Error	.011	6	.002		
Total	.721	16			
Corrected Total	.314	15			

a. R Squared = .966 (Adjusted R Squared = .915)

Arachidonic Acid, C20:4n6

Duncan[a,b]

Periode	N	Subset 1	Subset 2
Periode 4	4	.06128	
Periode 3	4	.07608	
Periode 2	4	.11198	
Periode 1	4		.38913
Sig.		.152	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .002.

a. Uses Harmonic Mean Sample Size = 4.000.

b. Alpha = .05.

Tests of Between-Subjects Effects

Dependent Variable: Cis-5,8,11,14,17-Eicosapentaenoic Acid, C20:5n3

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.145[a]	9	.016	36.085	.000
Intercept	.208	1	.208	467.946	.000
Perlakuan	.001	3	.000	.606	.635
Periode	.130	3	.043	97.347	.000
Kambing	.014	3	.005	10.304	.009
Error	.003	6	.000		
Total	.356	16			
Corrected Total	.147	15			

a. R Squared = .982 (Adjusted R Squared = .955)

Cis-5,8,11,14,17-Eicosapentaenoic Acid, C20:5n3

Duncan[a,b]

Periode	N	Subset 1	Subset 2	Subset 3
Periode 4	4	.03778		
Periode 3	4	.07098	.07098	
Periode 2	4		.07983	
Periode 1	4			.26787
Sig.		.068	.575	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .000.

a. Uses Harmonic Mean Sample Size = 4.000.

b. Alpha = .05.

Tests of Between-Subjects Effects

Dependent Variable: Cis-4,7,10,13,16,19-Docosahexaenoic Acid, C22:6n3

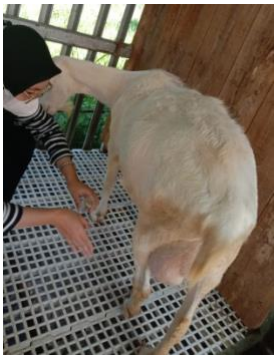
Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.077[a]	9	.009	.847	.605
Intercept	.522	1	.522	51.370	.000
Perlakuan	.018	3	.006	.575	.652
Periode	.005	3	.002	.165	.916
Kambing	.055	3	.018	1.800	.247
Error	.061	6	.010		
Total	.660	16			
Corrected Total	.138	15			

a. R Squared = .559 (Adjusted R Squared = -.101)

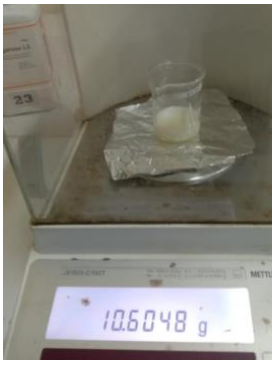
Lampiran 3. Dokumentasi Penelitian

Gambar 2. Pembuatan Pellet Indigofera sp

Gambar 3. Implementasi Pakan *green concentrate*



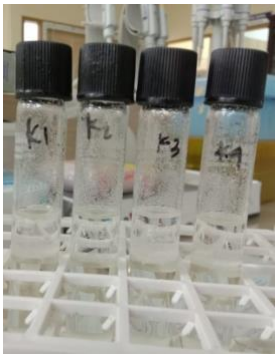
Gambar 4. Pengambilan sampel susu



Gambar 5. Penimbangan sampel susu

Gambar 6. Tahap Ekstraksi sampel

Gambar 7. Penimbangan sampel untuk tahap metilasi



Gambar 8. Tahap Metilasi sampel susu

Gambar 9. Tahap Injeksi sampel susu

Gambar 10. Pengujian sampel menggunakan alat GCMS

RIWAYAT HIDUP

Fitria. R, lahir di Camba, Kecamatan Camba, Kabupaten Maros, Sulawesi Selatan 17 Desember 2001. Penulis merupakan anak kedua dari tiga bersaudara dari pasangan Abd. Rahman R dan Murlina. Penulis berasal dari daerah Maros. Tepatnya di Kecamatan Camba. Jenjang pendidikan penulis dimulai pada sekolah dasar di SDN No. 8 Sawaru hingga tahun 2014 di Kabupaten Maros. Setelah selesai penulis melanjutkan sekolah ke jenjang sekolah menengah pertama di SMP Negeri 3 Camba hingga tahun 2017. Setelah selesai penulis kembali melanjutkan pendidikan ke jenjang yang lebih tinggi yaitu sekolah menengah atas di Ponpes Yayasan Ahmad Bone dan selesai pada tahun 2018. Sekarang penulis duduk di bangku perkuliahan, di Universitas Hasanuddin, jurusan Peternakan angkatan 2020. Penulis masuk dengan jalur undangan yaitu SBMPTN. Selama menjadi mahasiswi, penulis aktif mengikuti berbagai kegiatan kemahasiswaan, seperti menjadi salah satu anggota aktif Himpunan Mahasiswa Teknologi Hasil Ternak (HIMATEHATE) selama dua periode. Hobi penulis sendiri adalah menggambar, membaca novel, nonton drama korea, dan suka masak. Impian penulis adalah untuk membahagiakan kedua orang tua dan sangat berkeinginan untuk melanjutkan studi ke luar negeri.