

BAB V

KESIMPULAN DAN SARAN

A. Kesimpulan

Berdasarkan hasil penelitian dapat disimpulkan bahwa :

1. Kombinasi pakan jenis S-11 90% dan tepung daging bekicot 10% merupakan pakan yang baik untuk meningkatkan pertambahan berat badan ayam broiler (*Arbor acres*) CP 707 pada fase starter.
2. Daging bekicot (*Achatina fulica* Ferr.) dapat dijadikan sebagai bahan campuran makanan ayam broiler (*Arbor acres*) CP 707 yang mempunyai nilai gizi tinggi serta mempunyai nilai ekonomis yang rendah.

B. Saran

1. Perlu diadakan penelitian yang lebih lanjut mengenai penggunaan tepung daging bekicot sebagai pakan pokok ayam broiler (*Arbor acres*) CP 707, yang mempunyai kandungan gizi yang tinggi dan nilai ekonomi yang tinggi.
2. Perlu diadakan penelitian mengenai kandungan lemak dari ayam broiler (*Arbor acres*) CP 707 yang diberi tepung daging bekicot (*Achatina fulca* Ferr.) sehingga dapat dibedakan dengan kandungan lemak dari ayam broiler (*Arbor acres*) CP 707 yang tidak diberi tepung daging bekicot (*Achatina fulca* Ferr.)

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LAMPIRAN

Lampiran 1 : Rata-rata berat ayam broiler selama penelitian

Minggu ke	Ulangan ke	Perlakuan			
		A	B	C	D
0	1	35	35	35	35
	2	35	35	35	35
	3	35	35	35	35
	\bar{x}	35	35	35	35
1	1	120,6	142,0	185,2	185,0
	2	120,0	143,2	186,2	185,2
	3	120,6	143,2	186,0	185,6
	\bar{x}	120,4	142,8	185,5	185,3
2	1	347,0	378,2	428,8	428,6
	2	348,6	379,2	431,0	429,2
	3	348,6	379,4	429,8	429,0
	\bar{x}	348,1	378,9	429,9	428,9
3	1	608,8	686,6	789,9	788,4
	2	610,4	689,0	789,0	788,2
	3	610,2	688,8	789,8	789,0
	\bar{x}	609,8	688,1	789,4	788,5
4	1	809,6	898,9	1017,2	1011,2
	2	809,2	899,4	1017,2	1011,4
	3	810,0	898,8	1017,0	1011,6
	\bar{x}	809,6	899,0	1017,1	1011,7

Lampiran 2 : Pertambahan berat ayam broiler selama penelitian

Minggu ke	Ulangan ke	Perlakuan			
		A	B	C	D
1	1	85,6	107,0	150,2	150,0
	2	85,0	108,2	151,2	150,2
	3	85,6	108,2	151,0	150,6
	\bar{x}	85,4	107,8	150,8	150,3
2	1	226,4	236,2	243,6	243,6
	2	228,6	236,0	244,8	244,0
	3	228,0	236,2	243,8	243,4
	\bar{x}	226,6	236,1	244,1	243,7
3	1	261,8	308,4	361,1	359,8
	2	261,8	309,8	358,0	359,0
	3	261,6	309,4	360,0	360,0
	\bar{x}	261,7	309,2	359,7	359,1
4	1	200,8	212,2	227,3	222,8
	2	198,8	210,4	228,2	223,2
	3	199,8	210,0	227,2	223,6
	\bar{x}	199,8	210,9	227,6	223,6

Lampiran 3: Komposisi asam amino daging bekicot (gram/100 gram kering) gram bahan berat

No.	Asam Amino	Daging Berat
1	Arginin	4,88
2	Histidin	1,43
3	Isoleusin	2,64
4	Leusin	4,62
5	Lisin	4,35
6	Metionin	1,00
7	Sistin	0,60
8	Fenilalenin	2,62
9	Tirosin	2,44
10	Treonin	2,76
11	Valin	3,08

Sumber: a) Kompiang dan Creswell (1980) dalam Wijayanti (1982)

b) Sabita Slamet dan Suryono Purawisastra (1979)

Lampiran 4 : Kebutuhan asam amino esensial ayam broiler

No.	Asam Amino	Fase Starter (%)	Fase Finisher (%)
1	Arginin	1,44	1,00
2	Histidin	0,35	0,26
3	Isoleusin	0,80	0,60
4	Leusin	1,35	1,00
5	Lisin	1,20	0,85
6	Metionin + sistin	0,93	0,60
7	Metionin	0,50	0,32
8	Fenilalenin + tirosin	1,34	1,00
9	Fenilalanin	0,74	0,54
10	Treonin	0,75	0,56
11	Valin	0,82	0,62

Sumber: North (1984)

Lampiran 5 : Perhitungan konversi ransum dari tiap perlakuan (gr)

	Perlakuan			
	A	B	C	D
Berat-rata-rata ayam uji				
* Awal penelitian (gr) W_o	35,0	35,0	35,0	35,0
* Akhir penelitian (gr) W_t	809,6	889	1017,1	1011,7
* Pertambahan berat ayam uji yang terjadi (gr) $W_t - W_o$	774,6	864,0	982,1	976,7
Makanan Ayam				
* Banyaknya makanan yang diberikan selama penelitian (gr)	7.500	7.500	7.500	7.500
Nilai konversi makanan terhadap perlakuan				
$k = \frac{F}{W_t - W_o}$	9,68	8,68	7,63	7,67

----- MINGGU=1 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBHBERAT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	9479.480000	3159.826667	12985.59	0.0001
Error	8	1.946667	0.243333		
Corrected Total	11	9481.426667			
	R-Square	C.V.	Root MSE	TBHBERAT Mean	
	0.999795	0.399208	0.493288	123.566667	

Duncan's Multiple Range Test for variable: TBHBERAT

NOTE: This test controls the type I comparisonwise error rate, not
the experimentwise error rate

Alpha= 0.05 df= 8 MSE= 0.243333

Number of Means	2	3	4
Critical Range	0.928	0.967	0.990

Means with the same letter are not significantly different.

Duncan Grouping	Mean	N	PERL
A	150.800	3	C
A			
A	150.267	3	D
B	107.800	3	B
C	85.400	3	A

----- MINGGU=2 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBHBERAT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	537.3700000	179.1233333	395.12	0.0001
Error	8	3.6266667	0.4533333		
Corrected Total	11	540.9966667			
	R-Square	C.V.	Root MSE	TBHBERAT Mean	
	0.993296	0.283038	0.673300	237.883333	

Duncan's Multiple Range Test for variable: TBHBERAT

NOTE: This test controls the type I comparisonwise error rate, not the experimentwise error rate

Alpha= 0.05 df= 8 MSE= 0.453333

Number of Means	2	3	4
Critical Range	1.266	1.320	1.352

Means with the same letter are not significantly different.

Duncan Grouping	Mean	N	PERL
A	244.667	3	C
A	244.667	3	D
B	236.133	3	B
C	227.667	3	A

----- MINGGU=3 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBHBERAT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	19889.14250	6629.71417	8076.81	0.0001
Error	8	6.56667	0.82083		
Corrected Total	11	19895.70917			

R-Square	C.V.	Root MSE	TBHBERAT Mean
0.999670	0.280879	0.905999	322.558333

Duncan's Multiple Range Test for variable: TBHBERAT

NOTE: This test controls the type I comparisonwise error rate, not the experimentwise error rate

Alpha= 0.05 df= 8 MSE= 0.820833

Number of Means	2	3	4
Critical Range	1.704	1.776	1.819

Means with the same letter are not significantly different.

Duncan Grouping	Mean	N	PERL
A	359.700	3	C
A			
A	359.600	3	D
B	309.200	3	B
C	261.733	3	A

----- MINGGU=4 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBHBERAT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	1418.315833	472.771944	666.66	0.0001
Error	8	5.673333	0.709167		
Corrected Total	11	1423.989167			

R-Square	C.V.	Root MSE	TBHBERAT Mean
0.996016	0.391032	0.842120	215.358333

Duncan's Multiple Range Test for variable: TBHBERAT

NOTE: This test controls the type I comparisonwise error rate, not the experimentwise error rate

Alpha= 0.05 df= 8 MSE= 0.709167

Number of Means	2	3	4
Critical Range	1.584	1.651	1.691

Means with the same letter are not significantly different.

Duncan Grouping	Mean	N	PERL
A	227.567	3	C
B	223.200	3	D
C	210.867	3	B
D	199.800	3	A

----- MINGGU=1 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: BERATBDN

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	9479.480000	3159.826667	12985.59	0.0001
Error	8	1.946667	0.243333		
Corrected Total	11	9481.426667			
	R-Square	C.V.	Root MSE	BERATBDN Mean	
	0.999795	0.311092	0.493288	158.566667	

Duncan's Multiple Range Test for variable: BERATBDN

NOTE: This test controls the type I comparisonwise error rate, not the experimentwise error rate

Alpha= 0.05 df= 8 MSE= 0.243333

Number of Means	2	3	4
Critical Range	0.928	0.967	0.990

Means with the same letter are not significantly different.

Duncan Grouping	Mean	N	PERL
A	185.800	3	C
A			
A	185.267	3	D
B	142.800	3	B
C	120.400	3	A

----- MINGGU=2 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: BERATBDN

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	14458.86333	4819.62111	7491.64	0.0001
Error	8	5.14667	0.64333		
Corrected Total	11	14464.01000			
	R-Square	C.V.	Root MSE	BERATBDN Mean	
	0.999644	0.202316	0.802081	396.450000	

Duncan's Multiple Range Test for variable: BERATBDN

NOTE: This test controls the type I comparisonwise error rate, not the experimentwise error rate

Alpha= 0.05 df= 8 MSE= 0.643333

Number of Means 2 3 4
Critical Range 1.508 1.573 1.610

Means with the same letter are not significantly different.

Duncan Grouping	Mean	N	PERL
A	429.867	3	C
A	428.933	3	D
B	378.933	3	B
C	348.067	3	A

----- MINGGU=3 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: BERATBDN

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	68075.78917	22691.92972	30768.72	0.0001
Error	8	5.90000	0.73750		
Corrected Total	11	68081.68917			

R-Square	C.V.	Root MSE	BERATBDN Mean
0.999913	0.119439	0.858778	719.008333

Duncan's Multiple Range Test for variable: BERATBDN

NOTE: This test controls the type I comparisonwise error rate, not the experimentwise error rate

Alpha= 0.05 df= 8 MSE= 0.7375

Number of Means	2	3	4
Critical Range	1.615	1.684	1.724

Means with the same letter are not significantly different.

Duncan Grouping	Mean	N	PERL
A	789.567	3	C
A			
A	788.533	3	D
B	688.133	3	B
C	609.800	3	A

----- MINGGU=4 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: BERATBDN

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	88960.33333	29653.44444	99999.99	0.0
Error	8	1.73333	0.21667		
Corrected Total	11	88962.06667			

R-Square	C.V.	Root MSE	BERATBDN Mean
0.999981	0.049817	0.465475	934.366667

Duncan's Multiple Range Test for variable: BERATBDN

NOTE: This test controls the type I comparisonwise error rate, not the experimentwise error rate

Alpha= 0.05 df= 8 MSE= 0.216667

Number of Means	2	3	4
Critical Range	0.875	0.913	0.935

Means with the same letter are not significantly different.

Duncan Grouping	Mean	N	PERL
A	1017.133	3	C
B	1011.733	3	D
C	899.000	3	B
D	809.600	3	A

Foto Pakan S - 11 dan Tepung Daging Bekicot

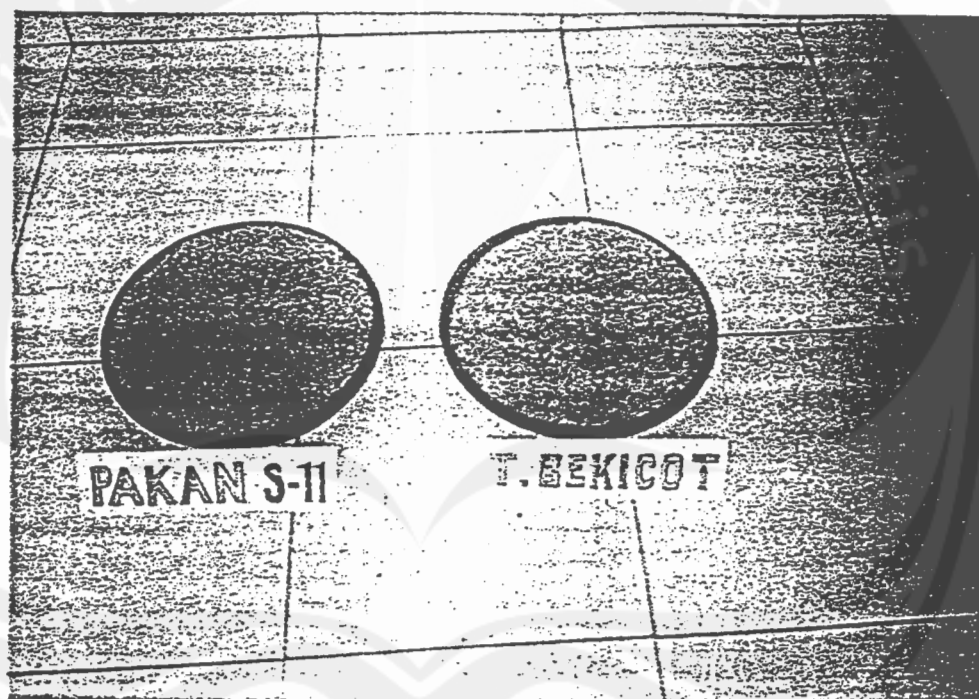


Foto Pemeliharaan dan Penimbangan Ayam Broiler Umur 1 Hari

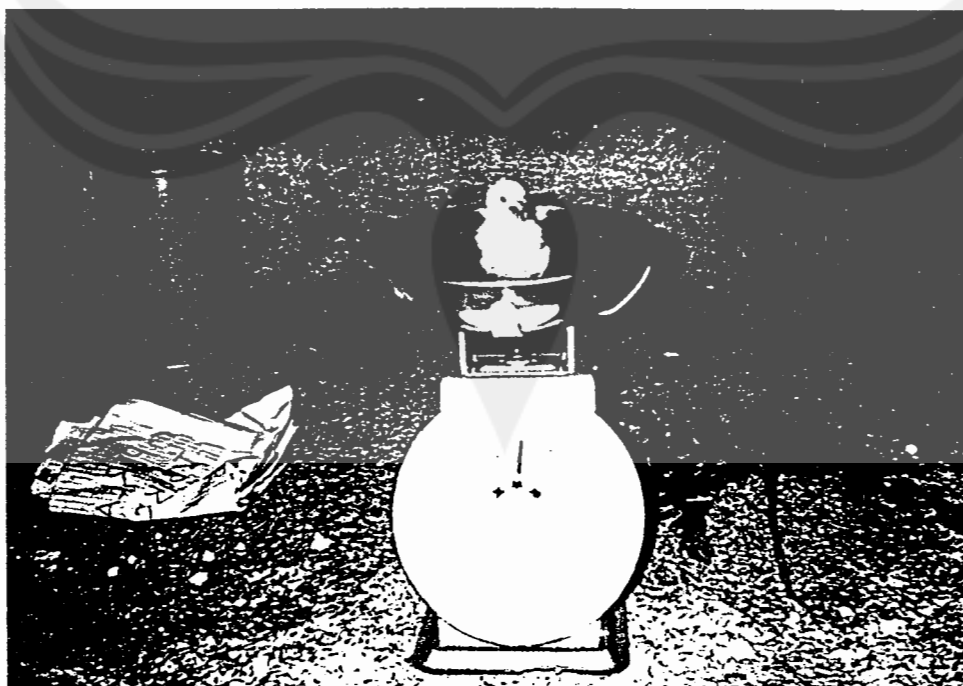
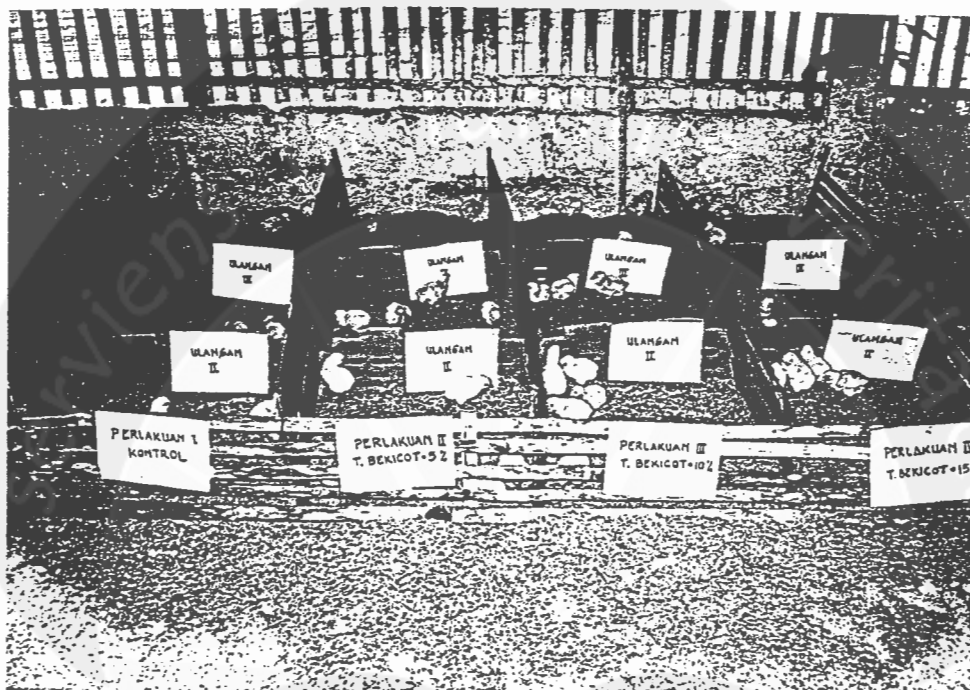


Foto Pemeliharaan dan Penimbangan Ayam Broiler Umur 1 Minggu

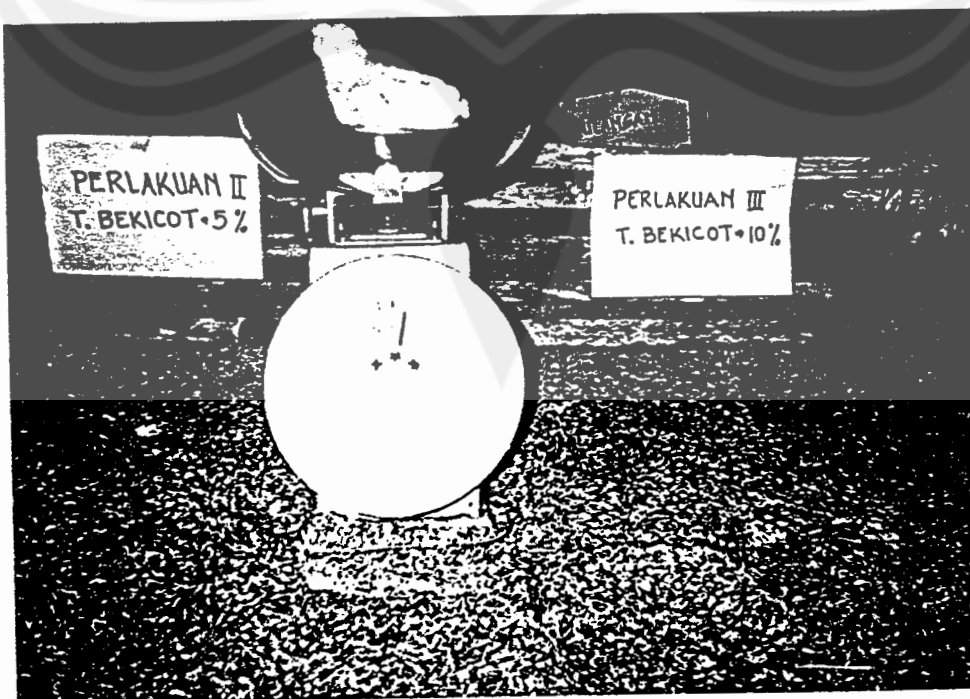
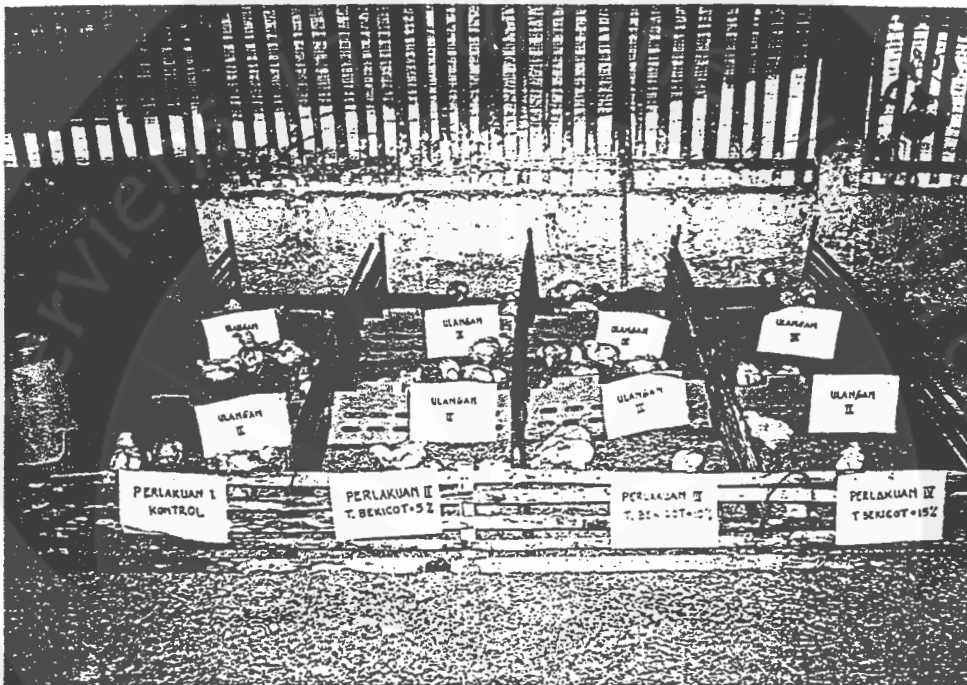


Foto Pemeliharaan dan Penimbangan Ayam Broiler Umur 2 Minggu



Foto Pemeliharaan dan Penimbangan Ayam Broiler Umur 3 Minggu

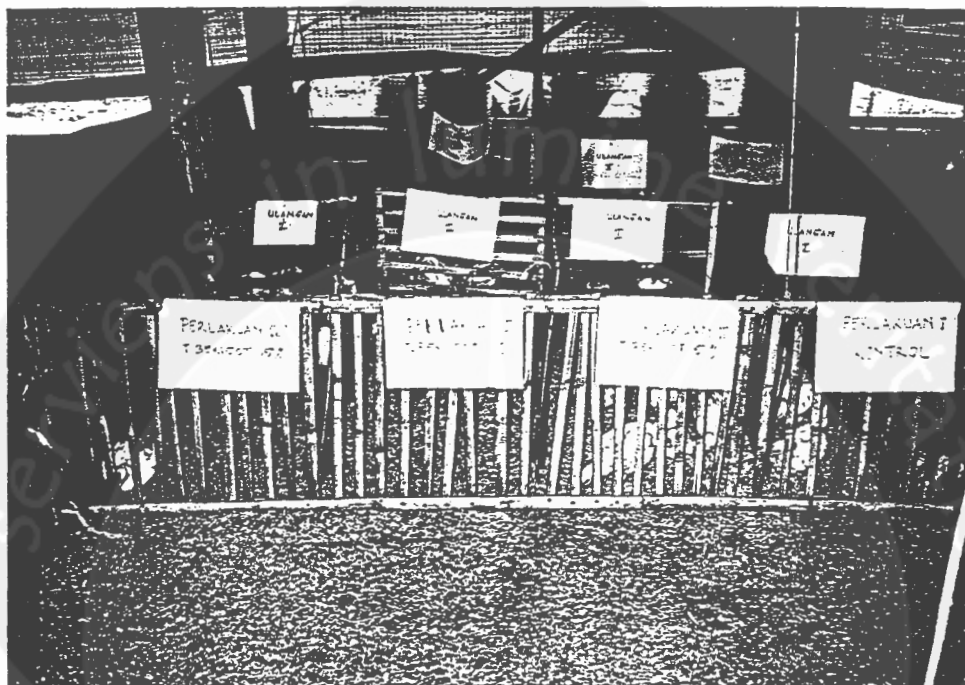


Foto Pemeliharaan dan Penimbangan Ayam Broiler Umur 4 Minggu

