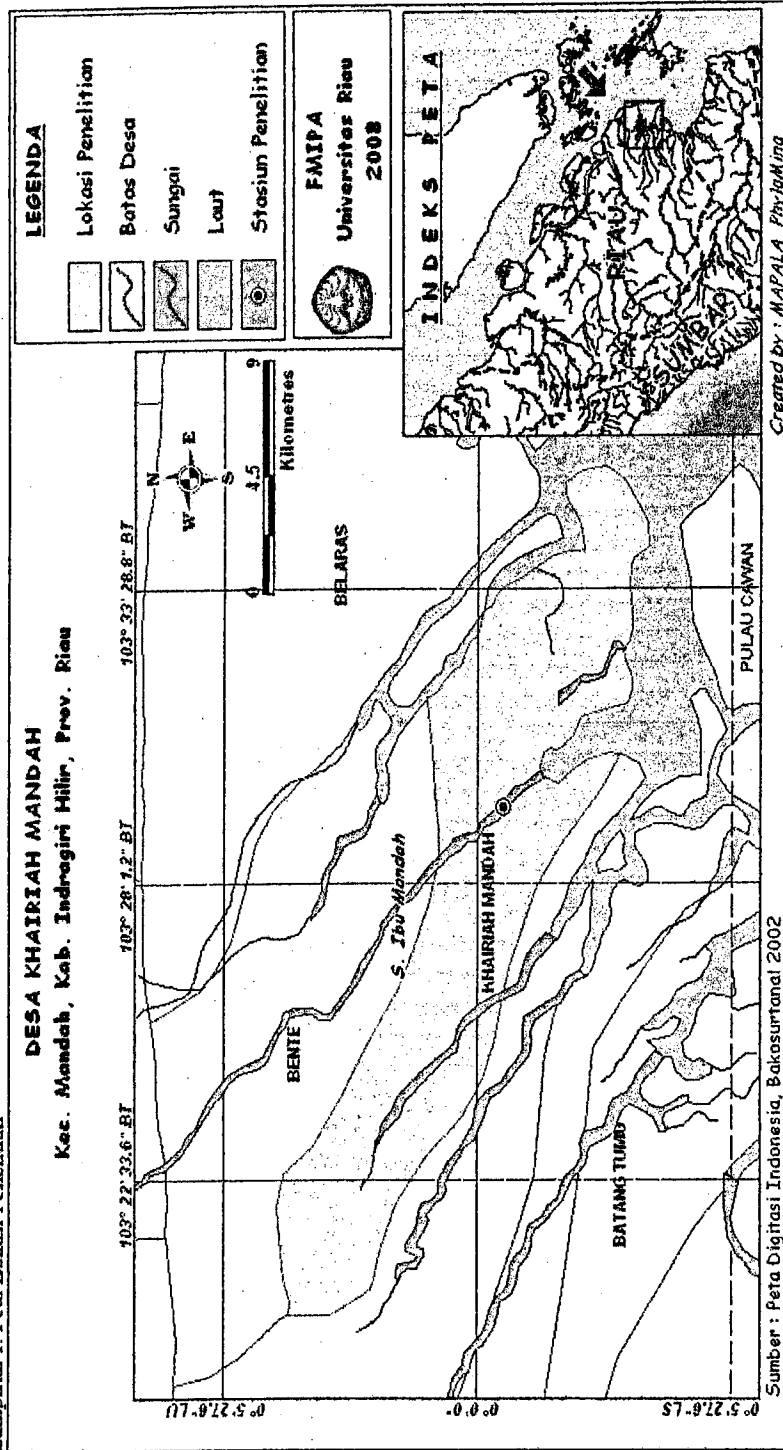


LAMPIRAN

Lampiran 1. Peta Lokasi Penelitian



Lampiran 2. Data Pengukuran Saluran Pencernaan Ikan Buntal Pisang Jantan

No	No Kode Ikan	Berat Tubuh (g)	Panjang Tubuh		Berat Lambung (g)	Panjang Usus (cm)	Berat Usus (g)
			PT (cm)	PS (cm)			
1	3	136.1	14.2	11.9	2.16	23.2	3.86
2	4	228.5	20.4	17.5	2.33	45.5	5.07
3	7	170.4	20	17.4	3.03	32.5	3.73
4	11	282.7	23.9	21	3.35	43	4.14
5	12	174.8	17.5	15.3	2.14	25.6	3.29
6	13	222.8	21	19	2.15	34	4.41
7	15	176.7	20.4	17.5	2.17	23	3.52
8	17	193.5	20	17.4	2.19	38	4.39
9	18	384.2	25.4	21.4	2.20	53	9.49
10	20	368	25.2	21.8	5.00	39	10.64
11	23	180	20.9	17.9	2.73	33.2	3.98
12	24	175.2	20.5	17.8	3.06	40.1	5.87
13	26	212.1	21.4	19	3.46	29.1	5.13
14	27	146.7	18	15.4	1.86	29.4	3.78
15	28	153.3	20	16.9	2.56	32	3.92
16	29	193.5	20	17.9	2.75	30	3.85
17	31	226.4	22.3	19.2	2.90	43.6	4.03
18	33	248.9	23.1	20.4	4.59	35.7	5.72
19	34	244	21.9	19.1	4.17	39.2	5.32
20	35	370.9	25.5	21.7	4.82	41	8.20
21	37	210.3	20.1	18.1	4.02	32.8	4.83
22	41	211.9	20.6	18.3	4.15	21.5	4.56
23	42	170.5	20.4	17.8	2.92	25.3	4.22
24	43	395	28.6	24.2	5.18	39.6	10.13
25	44	381.7	27.4	23.8	5.51	41.2	7.82
26	45	112.2	16.2	13.6	1.95	25	2.23
27	46	143.3	17.4	14.1	2.28	25.9	3.41
28	47	204.8	22.1	18.8	3.63	25	4.29
29	49	149.5	20.1	17.4	2.33	25	3.95
30	50	157.6	20.2	17.4	2.46	30.9	4.12
31	51	85.9	17.1	14.4	0.94	21.6	0.97
32	52	100	18	15.3	1.18	31.8	1.60
33	53	115.5	18.3	15.5	1.96	30	2.96
34	54	216.2	21.4	18.1	3.72	30	5.48
35	56	124.4	19.1	16.2	2.25	28.4	3.29
36	57	168.8	19.3	16.6	3.39	32.6	5.48
37	59	85.8	17.8	14.7	1.12	24	1.56
38	60	206.6	22	19.2	3.27	30	4.50

Lampiran 3. Data Pengukuran Saluran Pencernaan Ikan Buntal Pisang Betina

No	No Kode Ikan	Berat Tubuh (g)	Panjang Tubuh		Berat Lambung (g)	Panjang Usus (cm)	Berat Usus (g)
			PT (cm)	PS (cm)			
1	1	340.2	26.6	23.9	4.77	40.4	8.26
2	2	389	26.4	23.4	4.84	54.2	8.50
3	5	292.2	23	20.2	3.08	46.8	4.86
4	6	350	27	24	4.28	43.5	6.60
5	8	481.7	25.9	21.8	6.83	55	11.51
6	9	383.9	29.3	25.1	6.41	41.3	9.20
7	10	420.8	28.5	25.4	3.95	48.2	7.56
8	14	443.7	24.9	22	2.16	42.5	6.35
9	16	277	23	19.6	2.18	35	6.14
10	19	319.3	23.4	20.1	4.07	27.1	4.85
11	21	381.6	25.4	22.2	6.03	50	10.38
12	22	429.7	27.5	23.6	5.49	59	9.04
13	25	261.6	22.3	18.2	4.20	37.5	5.88
14	30	513.9	29.1	25.9	8.12	43.1	14.83
15	32	268.4	24.5	21.2	4.42	32.9	4.75
16	36	233.7	21.5	18.3	3.47	36	4.18
17	38	224.4	21.1	18.4	4.62	42	9.33
18	39	340.9	24	20.9	4.00	34.4	7.74
19	40	351.7	27.3	24.1	5.03	41.8	7.11
20	48	346.8	27.4	24	4.43	38	7.59
21	55	325	24.6	21.3	4.54	38.7	8.39
22	58	399.5	27.2	24.1	5.33	47.2	13.46
23	85	> 610	30.2	25.9	5.50	54.4	15.70
24	94	386.5	27.5	24	4.67	51.7	10.63
25	99	400.5	28	24.1	6.15	46	10.26
26	101	546.4	27.2	23.7	7.51	49.5	11.94
27	107	489.6	28.3	25	5.87	69.4	10.09
28	84	424	28.7	25.2	5.22	52	7.89
29	95	273.3	23.6	20.8	4.32	49.6	8.67
30	96	289.1	23.1	19.7	4.28	35	6.75
31	97	350.1	26	22.9	5.50	39.5	6.49
32	98	326.6	24.8	21.6	4.46	36.5	9.18
33	103	419.9	27.2	24	6.39	36.5	9.43

Lampiran 4. Data Morfometrik Saluran Pencernaan Ikan Buntal Pisang Jantan

No	Berat Tubuh (gr)	Panjang Total Tubuh (cm)	Berat Lambung (gr)	Rasio Berat Lambung	Panjang Usus (cm)	Rasio Panjang Usus	Berat Usus (gr)	Rasio Berat Usus
1	85.8	17.8	1.12	0.013	24	1.348	1.56	0.018
2	85.9	17.1	0.94	0.011	21.6	1.263	0.97	0.011
3	100	18	1.18	0.012	31.8	1.767	1.60	0.016
4	112.2	16.2	1.95	0.017	25	1.543	2.23	0.020
5	115.5	18.3	1.96	0.017	30	1.640	2.96	0.026
6	124.4	19.1	2.25	0.018	28.4	1.487	3.29	0.026
7	136.1	14.2	2.16	0.016	23.2	1.634	3.86	0.028
8	143.3	17.4	2.28	0.016	25.9	1.488	3.41	0.024
9	146.7	18	1.86	0.013	29.4	1.633	3.78	0.026
10	149.5	20.1	2.33	0.010	25	1.244	3.95	0.026
11	153.3	20	2.56	0.017	32	1.600	3.92	0.025
12	157.6	20.2	2.46	0.016	30.9	1.530	4.12	0.026
13	168.8	19.3	3.39	0.020	32.6	1.689	5.48	0.025
14	170.4	20	3.03	0.018	32.5	1.625	3.73	0.022
15	170.5	20.4	2.92	0.017	25.3	1.240	4.22	0.025
16	174.8	17.5	2.14	0.012	25.6	1.463	3.29	0.019
17	175.2	20.5	3.06	0.017	40.1	1.956	5.87	0.033
18	176.7	20.4	2.17	0.012	23	1.127	3.52	0.020
19	180	20.9	2.73	0.015	33.2	1.588	3.98	0.022
20	193.5	20	2.19	0.011	38	1.900	4.39	0.023
21	193.5	20	2.75	0.014	30	1.500	3.85	0.020
22	204.8	22.1	3.63	0.018	25	1.131	4.29	0.021
23	206.6	22	3.27	0.016	30	1.364	4.50	0.022
24	210.3	20.1	4.02	0.019	32.8	1.632	4.83	0.023
25	211.9	20.6	4.15	0.020	21.5	1.044	4.56	0.021
26	212.1	21.4	3.46	0.016	29.1	1.360	5.13	0.024
27	216.2	21.4	3.72	0.017	30	1.402	5.48	0.025
28	222.8	21	2.15	0.010	34	1.619	4.41	0.020
29	226.4	22.3	2.90	0.013	43.6	1.955	4.03	0.018
30	228.5	20.4	2.33	0.010	45.5	2.230	5.07	0.022
31	244	21.9	4.17	0.017	39.2	1.790	5.32	0.022
32	248.9	23.1	4.59	0.018	35.7	1.545	5.72	0.023
33	282.7	23.9	3.35	0.012	43	1.799	4.14	0.015
34	368	25.2	5.00	0.014	39	1.548	10.64	0.029
35	370.9	25.5	4.82	0.013	41	1.608	8.20	0.022
36	381.7	27.4	5.51	0.014	41.2	1.504	7.82	0.020
37	384.2	25.4	2.20	0.006	53	2.087	9.49	0.025
38	395	28.6	5.18	0.013	39.6	1.385	10.13	0.026

Lampiran 5. Data Morfometrik Saluran Pencernaan Ikan Buntal Pisang Betina

No	Berat Tubuh (gr)	Panjang Total Tubuh (cm)	Berat Lambung (gr)	Rasio Berat Lambung	Panjang Usus (cm)	Rasio Panjang Usus	Berat Usus (gr)	Rasio Berat Usus
1	224.4	21.1	4.62	0.020	42	1.990	9.33	0.041
2	233.7	21.5	3.47	0.015	36	1.674	4.18	0.018
3	261.6	22.3	4.20	0.016	37.5	1.682	5.88	0.022
4	268.4	24.5	4.42	0.016	32.9	1.343	4.75	0.018
5	273.3	23.6	4.32	0.016	49.6	2.102	8.67	0.032
6	277	23	2.18	0.008	35	1.522	6.14	0.022
7	289.1	23.1	4.28	0.012	35	1.515	6.75	0.023
8	292.2	23	3.08	0.011	46.8	2.035	4.86	0.017
9	319.3	23.4	4.07	0.013	27.1	1.158	4.85	0.015
10	325	24.6	4.54	0.014	38.7	1.573	8.39	0.026
11	326.6	24.8	4.46	0.014	36.5	1.472	9.18	0.028
12	340.2	26.6	4.77	0.014	40.4	1.519	8.26	0.024
13	340.9	24	4.00	0.012	34.4	1.433	7.74	0.023
14	346.8	27.4	4.43	0.013	38	1.387	7.59	0.022
15	350	27	4.28	0.015	43.5	1.611	6.60	0.019
16	350.1	26	5.50	0.016	39.5	1.519	6.49	0.018
17	351.7	27.3	5.03	0.014	41.8	1.531	7.11	0.020
18	381.6	25.4	6.03	0.016	50	1.968	10.38	0.027
19	383.9	29.3	6.41	0.017	41.3	1.409	9.20	0.024
20	386.5	27.5	4.67	0.012	51.7	1.88	10.63	0.027
21	389	26.4	4.84	0.012	54.2	2.053	8.50	0.022
22	399.5	27.2	5.33	0.013	47.2	1.735	13.46	0.034
23	400.5	28	6.15	0.015	46	1.643	10.26	0.026
24	419.9	27.2	6.39	0.015	36.5	1.342	9.43	0.022
25	420.8	28.5	3.95	0.009	48.2	1.691	7.56	0.018
26	424	28.7	5.22	0.012	52	1.812	7.89	0.019
27	429.7	27.5	5.49	0.013	59	2.145	9.04	0.021
28	443.7	24.9	2.16	0.005	42.5	1.707	6.35	0.014
29	481.7	25.9	6.83	0.014	55	2.124	11.51	0.024
30	489.6	28.3	5.87	0.012	69.4	2.452	10.09	0.021
31	513.9	29.1	8.12	0.016	43.1	1.481	14.83	0.029
32	546.4	27.2	7.51	0.014	49.5	1.810	11.94	0.022
33	610	30.2	5.50	0.016	54.4	1.801	15.70	0.026

Lampiran 6. Analisa Regresi Linear

1. Analisa Regresi Rasio Berat Lambung Ikan Buntal Pisang Jantan

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0,93239555
R Square	0,86936146
Adjusted R Square	0,86573261
Standard Error	0,00113614
Observations	38

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	0,000309241	0,000309	239,5695	1,73283E-17
Residual	36	4,64695E-05	1,29E-06		
Total	37	0,000355711			

2. Analisa Regresi Panjang Usus Ikan Buntal Pisang Jantan

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0,968815
R Square	0,938603
Adjusted R Square	0,936897
Standard Error	1,881477
Observations	38

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	1948,205	1948,205	550,3473	2,09E-23
Residual	36	127,4384	3,539956		
Total	37	2075,643			

3. Analisa Regresi Rasio Panjang Usus Ikan Buntal Pisang Jantan

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0,98848946
R Square	0,9771114
Adjusted R Square	0,97647561
Standard Error	0,03990634
Observations	38

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	2,44743563	2,447436	1536,836	3,96898E-31
Residual	36	0,05733058	0,001593		
Total	37	2,504766211			

4. Analisa Regresi ISI (*Intestinal Somatic Index*) Ikan Buntal Pisang Jantan

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0,96615499
R Square	0,93345546
Adjusted R Square	0,931607
Standard Error	0,00113288
Observations	38

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	0,000648113	0,000648	504,9911	8,9318E-23
Residual	36	4,62029E-05	1,28E-06		
Total	37	0,000694316			

5. Analisa Regresi Rasio Berat Lambung Ikan Buntal Pisang Betina

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.947434
R Square	0.897631
Adjusted R Square	0.894328
Standard Error	0.000937
Observations	33

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	0.000239	0.000239	2.718.248	6.8E-17
Residual	31	2.72E-05	8.79E-07		
Total	32	0.000266			

6. Analisa Regresi Panjang Usus Ikan Buntal Pisang Betina

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0,954318
R Square	0,910722
Adjusted R Square	0,907842
Standard Error	2,662903
Observations	33

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	2242,407	2242,407	316,2305	8,1E-18
Residual	31	219,8226	7,091051		
Total	32	2462,229			

7. Analisa Regresi Rasio Panjang Usus Ikan Buntal Pisang Betina

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.923191
R Square	0.852282
Adjusted R Square	0.847517
Standard Error	0.110695
Observations	33

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	2.191.638	2.191.638	178.86	2.05E-14
Residual	31	0.379855	0.012253		
Total	32	2.571.493			

8. Analisa Regresi ISI (*Intestinal Somatic Index*) Ikan Buntal Pisang Betina

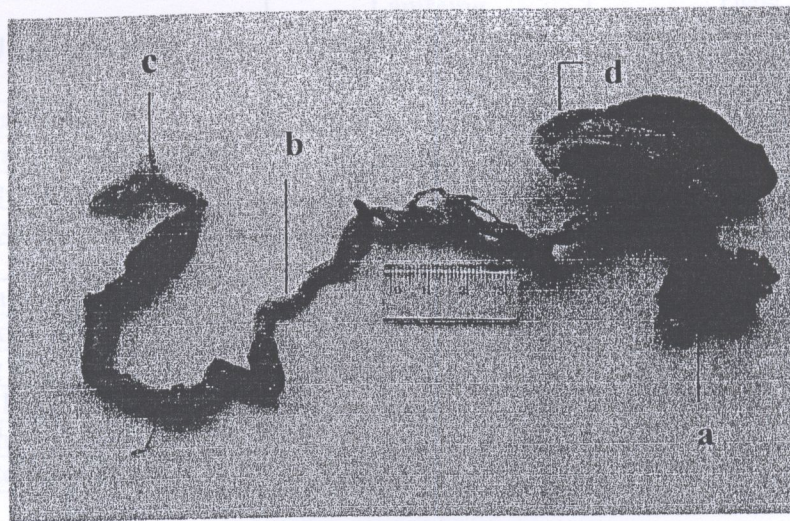
SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0,905149645
R Square	0,81929588
Adjusted R Square	0,813466715
Standard Error	0,002395269
Observations	33

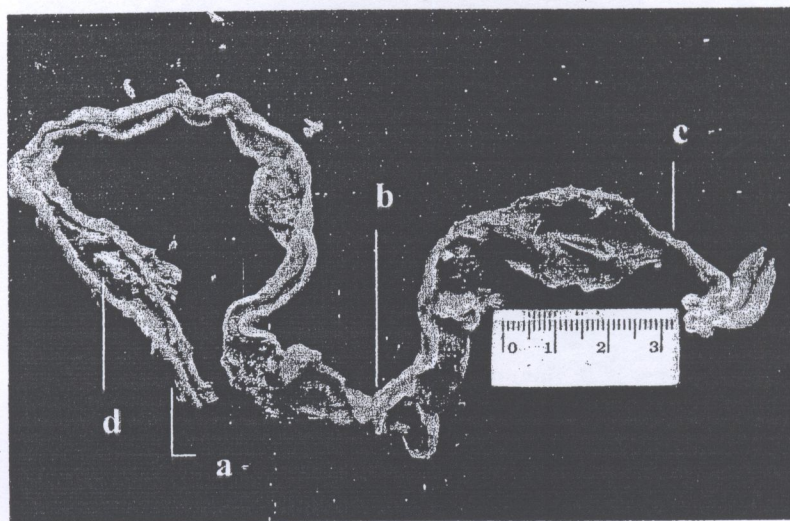
ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	0,000806386	0,000806	140,5512	4,74442E-13
Residual	31	0,000177857	5,74E-06		
Total	32	0,000984242			

Lampiran 7. Saluran Pencernaan Ikan Buntal Pisang (*Tetraodon lineatus*)



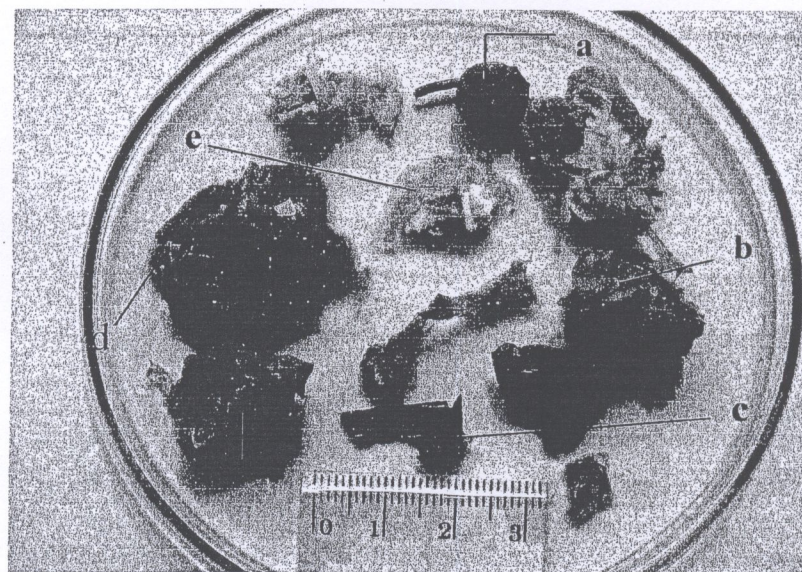
Saluran dan Kelenjar Pencernaan Ikan Buntal Pisang
(a). Lambung; (b). Usus; (c). Anus; (d). Hati



Usus Yang Terlihat Isi Makanannya
(a). Usus depan; (b). Usus tengah;
(c). Usus belakang; (d). Makanan

Lampiran 8. Jenis Makanan Ikan Buntal Pisang

Jenis makanan	Lambung		Usus	
	Jantan (%)	Betina (%)	Jantan (%)	Betina (%)
Potongan ikan	27,18	28,75	6,80	8,33
Potongan udang (Penaeid)	-	-	8,84	3,33
Kerang-kerangan	0,97	-	8,84	4,17
Potongan kaki kepiting	-	-	7,48	5,83
Siput	-	0,97	3,40	9,17
Kepiting	-	-	2,72	5
Sisik ikan	33,98	36,25	23,13	25
Tulang ikan	33,00	33,75	20,41	24,17
Kertas koran	-	-	2,04	4,17
Serasah	-	-	10,20	5,83
Tidak teridentifikasi	4,85	-	6,12	5



Makanan Ikan Buntal Pisang
 (a). Kepiting; (b). Potongan Ikan;
 (c). Serasah; (d). Kertas koran;
 (e). Sisik ikan