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LAMPIRAN

Lampiran 1. Sebaran infeksi Ektoparasit ikan nila

PARASIT T*richodina* benih 3,37 cm

SAMPEL	Mucus	Ekor	S. Punggung	S. Dada	S. Perut	S. Anal	Ingsang
1	0	79	28	2	1	1	61
2	0	0	1	0	0	3	3
3	0	0	1	0	0	0	71
4	0	1	0	0	1	1	12
5	0	0	1	0	0	1	3
6	0	0	0	0	1	0	1
7	0	0	1	0	4	1	40
8	3	0	0	0	0	0	13
9	0	8	1	0	2	4	39
10	0	1	0	0	0	1	0
11	0	0	0	0	0	0	0
12	6	0	0	0	18	0	9
13	0	0	0	0	0	0	23
14	0	0	0	0	0	0	2
15	0	0	1	0	0	0	0
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
20	0	0	0	0	0	0	7
21	0	0	0	0	0	0	0
22	0	0	0	0	6	0	92
23	0	10	0	0	0	0	14
24	24	0	0	0	0	10	50
25	5	0	0	0	0	0	15
26	10	0	0	0	0	0	30
27	0	0	0	0	0	0	0
28	30	0	7	2	10	0	140
29	0	0	0	0	10	0	36
30	0	0	0	0	0	0	5
31	0	0	0	0	0	0	7
32	15	1	0	6	0	0	40
33	7	1	0	0	0	0	0
34	5	1	1	10	0	0	71

35	13	0	0	0	0	0	15
36	0	0	0	0	1	0	12
37	0	0	3	0	0	0	68
38	0	0	0	0	0	0	4
39	0	0	0	0	0	0	3
40	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0
49	0	0	1	0	0	0	0
50	0	0	0	0	0	0	72

Parasit *Gyrodactylus* benih 3,37 cm

SAMPEL	Mucus	Ekor	S. Punggung	S. Dada	S. Perut	S. Anal	Ingsang
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	2	6	0	1	0	0
4	0	0	0	0	0	2	0
5	0	0	3	0	0	0	1
6	2	0	1	0	0	1	2
7	0	0	0	0	0	1	0
8	2	1	0	0	1	0	0
9	0	0	45	1	0	0	0
10	0	1	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0

20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0

PARASIT *Cichlidogyrus* benih3,37 cm

SAMPEL	**Mucus**	**Ekor**	**S. Punggung**	**S. Dada**	**S. Perut**	**S. Anal**	**Ingsang**

1	0	0	0	0	0	0	4
2	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	0	0	0	0	0	4
13	0	0	0	0	0	0	6
14	0	0	0	0	0	0	1
15	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1
22	0	0	0	0	0	0	5
23	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	1
26	0	0	0	0	0	0	2
27	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0
29	0	0	0	0	0	0	3
30	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0
32	0	0	0	0	0	0	1
33	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0
37	0	0	0	0	0	0	1
38	0	0	0	0	0	0	0
39	0	0	0	0	0	0	3
40	0	0	0	0	0	0	1
41	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0
45	0	0	0	0	0	0	1
46	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0
50	0	0	0	0	0	0	31

PARASIT *Trichodina* benih 8-10cm

SAMPEL	Mucus	Ekor	S. Punggung	S. Dada	S. Perut	S. Anal	Ingsang
1	0	0	1	0	0	0	238
2	0	0	3	1	2	1	3
3	6	3	0	0	0	3	140
4	16	2	10	2	1	4	2
5	2	1	0	0	1	0	71
6	0	0	0	6	0	1	170
7	0	1	0	0	0	0	0
8	0	0	0	1	8	0	9
9	0	1	2	3	0	0	90
10	0	0	0	0	0	0	125
11	0	0	0	0	0	0	5
12	0	0	0	0	0	0	188
13	0	0	0	0	0	0	159
14	0	0	0	0	0	0	54
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	68
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	18
20	0	0	0	0	0	0	6
21	0	0	0	0	0	0	3
22	0	0	0	0	0	0	6
23	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0
31	0	0	0	0	0	0	1
32	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0

47	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0
49	0	0	1	0	2	8	0
50	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0
55	0	0	0	2	0	0	0
56	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0
66	0	0	0	0	3	3	0
67	3	0	0	0	0	0	0
68	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0
73	0	0	1	0	0	0	0
74	0	0	0	0	0	0	0
75	0	0	0	0	0	1	1
76	0	0	0	0	0	0	1
77	0	0	0	0	0	0	29
78	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0

Parasit *Gyrodactylus* benih 8-10cm

SAMPEL	Mucus	Ekor	S. Punggung	S. Dada	S. Perut	S. Anal	Ingsang
1	0	0	1	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	1	0	0	0	0	0	0
5	1	5	8	2	1	3	0
6	0	0	1	0	0	0	0
7	0	1	0	0	0	0	0
8	10	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0

11	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0
29	0	2	0	0	0	0	0
30	0	0	0	3	0	0	0
31	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0
41	0	0	0	1	0	0	0
42	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0

64	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0
69	0	0	0	0	1	0	0
70	0	0	0	0	1	0	0
71	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0
73	0	0	3	0	0	0	0
74	0	0	0	0	0	0	0
75	0	0	0	2	0	0	0
76	0	0	0	0	0	3	0
77	1	1	0	0	0	0	0
78	0	0	0	0	0	0	0
79	0	1	0	0	1	0	0
80	0	0	0	0	0	0	0

Cichlidogyrus benih 8-10cm

SAMPEL	Mucus	Ekor	S. Punggung	S. Dada	S. Perut	S. Anal	Ingsang
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	2
3	0	0	0	0	0	0	14
4	0	0	0	0	0	0	20
5	0	0	0	0	0	0	42
6	0	0	0	0	0	0	39
7	0	0	0	0	0	0	44
8	0	0	0	0	0	0	17
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	8
12	0	0	0	0	0	0	2
13	0	0	0	0	0	0	22
14	0	0	0	0	0	0	40
15	0	0	0	0	0	0	19
16	0	0	0	0	0	0	1
17	0	0	0	0	0	0	11
18	0	0	0	0	0	0	21
19	0	0	0	0	0	0	0
20	0	0	0	0	0	0	25
21	0	0	0	0	0	0	2
22	0	0	0	0	0	0	1
23	0	0	0	0	0	0	2
24	0	0	0	0	0	0	13
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	2
27	0	0	0	0	0	0	2

28	0	0	0	0	0	0	2
29	0	0	0	0	0	0	11
30	0	0	0	0	0	0	26
31	0	0	0	0	0	0	0
32	0	0	0	0	0	0	3
33	0	0	0	0	0	0	5
34	0	0	0	0	0	0	3
35	0	0	0	0	0	0	68
36	0	0	0	0	0	0	65
37	0	0	0	0	0	0	29
38	0	0	0	0	0	0	63
39	0	0	0	0	0	0	15
40	0	0	0	0	0	0	9
41	0	0	0	0	0	0	39
42	0	0	0	0	0	0	21
43	0	0	0	0	0	0	2
44	0	0	0	0	0	0	10
45	0	0	0	0	0	0	17
46	0	0	0	0	0	0	13
47	0	0	0	0	0	0	10
48	0	0	0	0	0	0	32
49	0	0	0	0	0	0	60
50	0	0	0	0	0	0	31
51	0	0	0	0	0	0	66
52	0	0	0	0	0	0	56
53	0	0	0	0	0	0	11
54	0	0	0	0	0	0	44
55	0	0	0	0	0	0	53
56	0	0	0	0	0	0	51
57	0	0	0	0	0	0	26
58	0	0	0	0	0	0	40
59	0	0	0	0	0	0	14
60	0	0	0	0	0	0	57
61	0	0	0	0	0	0	53
62	0	0	0	0	0	0	3
63	0	0	0	0	0	0	24
64	0	0	0	0	0	0	59
65	0	0	0	0	0	0	11
66	0	0	0	0	0	0	35
67	0	0	0	0	0	0	43
68	0	0	0	0	0	0	15
69	0	0	0	0	0	0	16
70	0	0	0	0	0	0	41
71	0	0	0	0	0	0	21
72	0	0	0	0	0	0	2
73	0	0	0	0	0	0	8
74	0	0	0	0	0	0	27
75	0	0	0	0	0	0	61
76	0	0	0	0	0	0	69
77	0	0	0	0	0	0	40
78	0	0	0	0	0	0	20
79	0	0	0	0	0	0	15
80	0	0	0	0	0	0	17

Lampiran 2. Hasil olah data Prevalensi Parasit Benih ukuran 3,37 cm

Trichodina

$\frac{33}{50}$ x 100= 66%

Gyrodactylus

$\frac{8}{50}$ x 100= 16%

Cichlidogyrus

$\frac{20}{50}$ x 100= 40%

Benih ukuran 9,64 cm

Trichodina

$\frac{28}{80}$ x 100= 35%

Gyrodactylus

$\frac{16}{80}$ x 100= 20%

Cichlidogyrus

$\frac{73}{80}$ x 100= 91,25%

Insang kanan

$\frac{46}{47}$ x 100= 97,87%

Insang kiri

$\frac{45}{47}$ x 100= 95,74%

Lampiran 3. Hasil olah data Intensitas Parasit benih ukuran 3,37 cm

Trichodina

$\frac{1320}{33}$ = 40 sel/ekor

Gyrodactylus

$\frac{73}{8}$ = 9,12 ind/ekor

Cichlidogyrus

$\frac{71}{20}$ = 3,55 ind/ekor

Benih ukuran 9,64 cm

Trichodina

$\frac{1493}{28}$ = 53,372 sel/ekor

Gyrodactylus

$\frac{54}{16}$ = 3,37 ind/ekor

Cichlidogyrus

$\frac{1881}{73}$ = 25,76 ind/ekor

Insang kanan

$\frac{811}{46}$ = 17,63 ind/ekor

Insang kiri

$\frac{1445}{45}$ = 32,11 ind/ekor

Lampiran 4. output uji Chi – squere menggunakan aplikasi SPSS

PARASIT * UKURAN Crosstabulation

Count

		UKURAN		Total
		UKURAN Bk 3-4	UKURAN Bk 8-10	
PARASIT	TERINFEKSI PARASIT	37	79	116
	TIDAK TERINFEKSI PARASIT	13	1	14
Total		50	80	130

Chi-Square Tests

	Value	Df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	19.614[a]	1	.000		
Continuity Correction[b]	17.123	1	.000		
Likelihood Ratio	20.775	1	.000		
Fisher's Exact Test				.000	.000
Linear-by-Linear Association	19.463	1	.000		
N of Valid Cases	130				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 5.38.

b. Computed only for a 2x2 table

Case Processing Summary

	Cases

	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
PARASIT_TRICHODINA * UKURAN_IKAN_1	130	100.0%	0	0.0%	130	100.0%

PARASIT_*Trichodina*

Count

		UKURAN_IKAN_1		Total
		UKURAN Bk 3-4	UKURAN Bk 8-10	
PARASIT_TRICODINA	TERINFEKSI_T*richodina*	33	28	61
	TIDAK_TERINFEKSI_*Trichodina*	17	52	69
Total		50	80	130

Chi-Square Tests

	Value	Df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	11.873[a]	1	.001		
Continuity Correction[b]	10.661	1	.001		
Likelihood Ratio	12.031	1	.001		
Fisher's Exact Test				.001	.001
Linear-by-Linear Association	11.781	1	.001		
N of Valid Cases	130				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 23.46.

b. Computed only for a 2x2 table

Case Processing Summary

	Cases		
	Valid	Missing	Total

	N	Percent	N	Percent	N	Percent
PARASIT_*Gyrodactylus* * UKURAN_IKAN_2	130	100.0%	0	0.0%	130	100.0%

PARASIT_*GYRODACTYLUS*

Count

		UKURAN_IKAN_2		Total
		UKURAN Bk 3-4	UKURAN Bk 8-10	
PARASIT_GYRODACTYLUS	TERINFEKSI_*Gyrodactylus*	8	16	24
	TIDAK_TERINFEKSI_*Gyrodactylus*	42	64	106
Total		50	80	130

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.327[a]	1	.567		
Continuity Correction[b]	.115	1	.734		
Likelihood Ratio	.332	1	.565		
Fisher's Exact Test				.647	.371
Linear-by-Linear Association	.325	1	.569		
N of Valid Cases	130				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 9.23.

b. Computed only for a 2x2 table

Case Processing Summary

	Cases

	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
PARASIT_*Cichidogyrus* * UKURAN_IKAN_3	130	100.0%	0	0.0%	130	100.0%

PARASIT_*Cichidogyrus*

Count

		UKURAN_IKAN_3		Total
		UKURAN Bk 3-4	UKURAN Bk 8-10	
PARASIT_CICHIDOGYRUS	TERINFEKSI_*Cichlidogyrus*	20	73	93
	TIDAK_TERINFEKSI_*Cichlidogyrus*	30	7	37
Total		50	80	130

Chi-Square Tests

	Value	Df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	39.692[a]	1	.000		
Continuity Correction[b]	37.215	1	.000		
Likelihood Ratio	40.512	1	.000		
Fisher's Exact Test				.000	.000
Linear-by-Linear Association	39.387	1	.000		
N of Valid Cases	130				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 14.23.

b. Computed only for a 2x2 table

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Cichlidogyrus * INSANG	94	100.0%	0	.0%	94	100.0%

Chi-Square Tests

Cichlidogyrus * INSANG Crosstabulation

Count		INSANG		
		INSANG KANAN	INSANG KIRI	Total
Cichlidogyrus	TERINFEKSI	46	45	91
	TIDAK TERINFEKSI	1	2	3
Total		47	47	94

	Value	Df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.344[a]	1	.557		
Continuity Correction[b]	.000	1	1.000		
Likelihood Ratio	.351	1	.554		
Fisher's Exact Test				1.000	.500
Linear-by-Linear Association	.341	1	.559		
N of Valid Cases[b]	94				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 1.50.

b. Computed only for a 2x2 table

Lampiran 5. Standar deviasi menggunakan SPSS

Descriptives

			Statistic	Std. Error
Trichodina_Kecil	Mean		26.4000	5.96555
	95% Confidence Interval for Mean	Lower Bound	14.4118	
		Upper Bound	38.3882	
	5% Trimmed Mean		20.2222	
	Median		6.0000	
	Variance		1779.388	
	Std. Deviation		42.18279	
	Minimum		.00	
	Maximum		189.00	
	Range		189.00	
	Interquartile Range		41.50	
	Skewness		2.292	.337
	Kurtosis		5.743	.662
trichodina_besar	Mean		28.9800	8.34313
	95% Confidence Interval for Mean	Lower Bound	12.2139	
		Upper Bound	45.7461	
	5% Trimmed Mean		20.7444	
	Median		.0000	
	Variance		3480.387	
	Std. Deviation		58.99481	
	Minimum		.00	
	Maximum		239.00	
	Range		239.00	
	Interquartile Range		18.00	
	Skewness		2.187	.337
	Kurtosis		3.883	.662

Descriptives

	UKURAN			Statistic	Std. Error
Gyrodactilus	IKAN KECIL	Mean		1.4600	.93991
		95% Confidence Interval for Mean	Lower Bound	-.4288	
			Upper Bound	3.3488	
		5% Trimmed Mean		.3333	
		Median		.0000	
		Variance		44.172	
		Std. Deviation		6.64619	
		Minimum		.00	
		Maximum		46.00	
		Range		46.00	
		Interquartile Range		.00	
		Skewness		6.429	.337
		Kurtosis		43.382	.662
	IKAN BESAR	Mean		.6750	.28506
		95% Confidence Interval for Mean	Lower Bound	.1076	
			Upper Bound	1.2424	
		5% Trimmed Mean		.2500	
		Median		.0000	
		Variance		6.501	
		Std. Deviation		2.54963	
		Minimum		.00	
		Maximum		20.00	
		Range		20.00	
		Interquartile Range		.00	
		Skewness		6.310	.269
		Kurtosis		44.437	.532

Descriptives

	UKURAN		Statistic	Std. Error
Cichlydogyrus	IKAN KECIL	Mean	1.4200	.63573

		95% Confidence Interval for Mean	Lower Bound	.1424	
			Upper Bound	2.6976	
		5% Trimmed Mean		.7000	
		Median		.0000	
		Variance		20.208	
		Std. Deviation		4.49530	
		Minimum		.00	
		Maximum		31.00	
		Range		31.00	
		Interquartile Range		1.00	
		Skewness		6.080	.337
		Kurtosis		40.102	.662
	IKAN BESAR	Mean		23.5125	2.31718
		95% Confidence Interval for Mean	Lower Bound	18.9003	
			Upper Bound	28.1247	
		5% Trimmed Mean		22.4028	
		Median		17.0000	
		Variance		429.544	
		Std. Deviation		20.72545	
		Minimum		.00	
		Maximum		69.00	
		Range		69.00	
		Interquartile Range		36.50	

		Skewness	.712	.269
		Kurtosis	-.673	.532

ingsang kanan

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Helai1	80	.00	21.00	2.5875	3.90292
Helai2	80	.00	22.00	2.1625	3.72281
Helai3	80	.00	21.00	2.7625	4.00393
Helai4	80	.00	13.00	2.6625	3.80853
Valid N (listwise)	80				

ingsang kiri

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Helai1	80	.00	10.00	1.7500	2.53831
Helai2	80	.00	9.00	2.2000	2.84360
Helai3	80	.00	12.00	2.1000	3.19255
Helai4	80	.00	11.00	1.9375	2.67356
Valid N (listwise)	80				

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Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Insang kanan	47	.000	57.000	17.29167	13.319252
Insang _kiri	47	.000	40.000	14.35417	10.769321
Valid N (listwise)	47				

Lampiran 6. Uji Mann Withny menggunakan aplikasi SPSS

Trichodina

Ranks

	ukuran_sampel	N	Mean Rank	Sum of Ranks
total	ikan kecil	50	78.97	3948.50
	ikan besar	80	57.08	4566.50
	Total	130		

Test Statistics[a]

	total
Mann-Whitney U	1326.500
Wilcoxon W	4566.500
Z	-3.482
Asymp. Sig. (2-tailed)	.000

a. Grouping Variable: ukuran_sampel

Gyrodactylus

Ranks

	ukuran_sampel	N	Mean Rank	Sum of Ranks
total	ikan kecil	50	64.38	3219.00
	ikan besar	80	66.20	5296.00
	Total	130		

Test Statistics[a]

	total
Mann-Whitney U	1944.000
Wilcoxon W	3219.000
Z	-.396
Asymp. Sig. (2-tailed)	.692

a. Grouping Variable: ukuran_sampel

Cichlydogyrus

Ranks

	ukuran_sampel	N	Mean Rank	Sum of Ranks
total	ikan kecil	50	32.80	1640.00
	ikan besar	80	85.94	6875.00
	Total	130		

Test Statistics[a]

	total
Mann-Whitney U	365.000
Wilcoxon W	1640.000
Z	-7.916
Asymp. Sig. (2-tailed)	.000

a. Grouping Variable: ukuran_sampel

Ranks

	helai_Insang	N	Mean Rank	Sum of Ranks
Total	Helai Kanan	48	50.81	2439.00
	Helai Kiri	48	46.19	2217.00
	Total	96		

Test Statistics[a]

	Total
Mann-Whitney U	1041.000
Wilcoxon W	2217.000
Z	-.814
Asymp. Sig. (2-tailed)	.416

a. Grouping Variable: helai_Insang