

Survey Results

1. Raw data from Sumut (n: 80)

No	Fisheries	Timber	Coastal protection	Carbon storage	Nursery grounds	Ecotourism
1	3	1	2	6	4	5
2	2	3	1	6	4	5
3	3	2	1	6	4	5
4	3	2	1	5	6	5
5	3	1	2	5	6	4
6	3	2	1	6	4	5
7	3	2	1	6	4	5
8	3	2	1	6	4	5
9	3	2	1	6	4	5
10	1	3	2	6	5	4
11	3	2	1	6	4	5
12	3	2	1	6	4	5
13	2	3	1	5	4	6
14	4	1	2	6	3	5
15	3	2	1	6	4	5
16	3	2	1	6	4	5
17	2	3	1	6	5	4
18	3	2	1	6	4	5
19	3	2	1	6	4	5
20	3	1	2	6	4	5
21	3	2	1	5	4	6
22	4	2	1	6	3	5
23	3	2	1	6	4	5
24	1	2	2	6	4	5
25	3	2	1	6	4	5
26	3	2	1	6	4	5
27	3	2	1	5	6	4
28	3	2	1	6	4	5
29	2	3	1	6	4	5
30	3	2	1	6	4	5
31	3	2	1	6	4	5
32	3	2	1	6	4	5
33	3	2	1	6	4	5
34	3	1	2	5	4	6
35	3	2	1	6	5	4
36	3	2	1	6	4	5
37	3	1	2	6	4	5
38	1	3	2	6	4	5
39	4	2	1	6	3	5
40	3	2	1	6	4	5
41	3	2	1	6	4	5
42	3	2	1	6	4	5

No	Fisheries	Timber	Coastal protection	Carbon storage	Nursery grounds	Ecotourism
43	3	2	1	6	4	5
44	3	2	1	6	4	5
45	3	2	1	6	4	5
46	3	2	1	6	4	5
47	3	1	2	6	4	5
48	1	3	2	5	4	6
49	3	2	1	6	4	5
50	3	2	1	6	4	5
51	3	2	1	4	5	6
52	3	2	1	6	4	5
53	4	2	1	6	5	3
54	3	2	1	6	4	5
55	3	2	1	6	4	5
56	3	2	1	6	4	5
57	3	1	2	6	4	5
58	1	3	2	6	4	5
59	3	2	1	6	4	5
60	2	3	1	6	4	5
61	3	2	1	6	4	5
62	3	1	2	6	4	5
63	3	2	1	6	4	5
64	1	2	3	6	4	5
65	3	2	1	6	4	5
66	3	2	1	6	4	5
67	3	1	2	6	4	5
68	3	2	1	5	4	6
69	3	2	1	6	4	5
70	3	2	1	6	4	5
71	3	2	1	6	4	5
72	3	2	1	6	5	4
73	3	2	1	6	4	5
74	3	2	1	5	4	6
75	1	2	3	6	4	5
76	3	2	1	6	4	5
77	3	1	2	6	4	5
78	3	2	1	6	4	5
79	1	4	3	6	2	5
80	3	1	2	6	4	5

Descriptive statistics in Sumut

	N	Mean	Std. Deviation	Minimum	Maximum
Fisheries	80	2.79	0.688	1	4
Timber	80	1.99	0.562	1	4
Coastal	80	1.29	0.532	1	3
Carbon	80	5.86	0.381	4	6
Nursery	80	4.09	0.556	2	6
Ecoturism	80	4.99	0.464	3	6

Rank of priority of mangrove ecosystem services in Sumut

	Mean Rank
Fisheries	2.79
Timber	1.99
Coastal	1.29
Carbon	5.86
Nursery	4.09
Ecoturism	4.98

Test Statistics^a

N	80
Chi-Square	359.918
df	5
Asymp. Sig.	0.000

a. Friedman Test

2. Raw data from Kaltara (n:79)

No	Fisheries	Timber	Coastal protection	Carbon storage	Nursery grounds	Ecotourism
1	3	2	1	6	5	4
2	3	2	1	6	4	5
3	1	3	2	5	4	6
4	3	1	2	6	5	4
5	3	2	1	6	4	5
6	3	2	1	6	5	4
7	3	2	1	6	5	4
8	1	2	3	6	4	5
9	3	2	1	6	5	4
10	3	1	2	5	6	4
11	3	2	1	6	5	4
12	3	2	1	6	5	4
13	3	1	2	6	4	5
14	3	2	1	6	5	4
15	3	2	1	6	5	4
16	3	1	2	5	6	4
17	3	1	2	4	5	6
18	2	1	3	6	5	4
19	3	2	1	6	5	4
20	3	2	1	6	5	4
21	2	1	3	6	4	5
22	3	2	1	6	5	4
23	3	2	1	6	5	4
24	3	2	1	6	4	5
25	3	2	1	6	5	4
26	3	1	2	6	5	4
27	3	2	1	6	5	4
28	2	1	3	6	5	4
29	3	2	1	6	5	4
30	3	2	1	6	4	5
31	3	1	2	6	4	5
32	3	2	1	6	5	4

No	Fisheries	Timber	Coastal protection	Carbon storage	Nursery grounds	Ecotourism
33	1	2	3	6	4	5
34	3	2	1	6	5	4
35	3	1	2	5	6	4
36	3	1	2	6	5	4
37	3	1	2	6	4	5
38	3	2	1	6	5	4
39	3	1	2	6	5	4
40	3	2	1	6	5	4
41	1	2	3	6	4	5
42	3	2	1	6	5	4
43	3	1	2	6	5	4
44	3	2	1	6	5	4
45	3	1	2	6	5	4
46	3	2	1	6	5	4
47	3	1	2	6	5	4
48	3	2	1	6	4	5
49	3	2	1	6	5	4
50	3	2	1	6	5	4
51	3	2	1	6	5	4
52	3	1	2	6	4	5
53	3	2	1	6	5	4
54	3	1	2	6	5	4
55	3	2	1	6	5	4
56	1	2	3	6	5	4
57	3	2	1	5	6	4
58	3	1	2	6	5	4
59	3	1	2	6	5	4
60	3	1	2	6	5	4
61	3	1	2	6	4	5
62	3	2	1	6	5	4
63	3	2	1	6	5	4
64	3	1	2	6	5	4
65	2	1	1	6	5	4
66	1	1	1	6	5	4
67	3	2	1	6	4	5
68	3	2	1	6	5	4
69	1	2	3	6	5	4
70	1	4	1	6	3	5
71	5	1	2	6	4	3
72	3	2	1	6	5	4
73	5	1	2	6	4	5
74	3	2	1	4	5	6
75	4	2	1	6	5	3
76	3	2	1	6	5	4
77	3	1	2	6	5	4
78	4	2	1	6	5	3
79	3	2	1	6	5	4

Descriptive statistics in Kaltara

	N	Mean	Std. Deviation	Minimum	Maximum
Fisheries	79	2.82	0.747	1	5
Timber	79	1.67	0.571	1	4
Coastal	79	1.52	0.677	1	3
Carbon	79	5.89	0.392	4	6
Nursery	79	4.80	0.540	3	6
Ecotourism	79	4.25	0.588	3	6

Rank of priority of mangrove ecosystem services in Kaltara

	Mean Rank
Fisheries	2.85
Timber	1.69
Coastal	1.54
Carbon	5.89
Nursery	4.78
Ecotourism	4.25

Test Statistics ^a	
N	79
Chi-Square	349.119
df	5
Asymp. Sig.	0.000

a. Friedman Test

3. Raw data from PBD (n: 75)

No	Fisheries	Timber	Coastal protection	Carbon storage	Nursery grounds	Ecotourism
1	2	5	1	6	4	3
2	1	5	2	6	3	4
3	1	5	2	6	3	4
4	1	5	2	6	4	3
5	2	5	1	6	3	4
6	2	5	1	6	3	4
7	2	5	1	6	3	4
8	2	5	1	6	3	4
9	2	6	1	5	3	4
10	3	5	1	6	2	4
11	3	5	2	6	1	4
12	2	4	1	6	3	5
13	2	5	1	6	3	4
14	2	5	1	6	3	4
15	1	5	2	6	3	4
16	1	6	2	5	3	4
17	2	5	1	6	3	4
18	2	5	1	6	4	3
19	3	5	1	6	2	4
20	1	5	2	6	3	4
21	1	5	3	6	2	4
22	1	2	4	6	3	5
23	2	5	1	6	3	4
24	1	5	2	6	3	4
25	3	5	2	6	1	4
26	2	5	1	6	3	4
27	1	5	2	6	3	4
28	3	1	2	6	4	5
29	1	5	2	6	4	3
30	2	5	1	6	3	4

No	Fisheries	Timber	Coastal protection	Carbon storage	Nursery grounds	Ecotourism
31	2	5	1	6	3	4
32	2	5	1	6	3	4
33	1	5	2	6	3	4
34	2	5	1	6	3	4
35	2	5	1	4	3	6
36	2	5	3	6	1	4
37	2	5	1	6	3	4
38	1	5	2	6	3	4
39	2	5	1	6	3	4
40	2	6	1	5	3	4
41	2	5	1	6	3	4
42	2	4	1	6	3	5
43	2	5	1	5	3	6
44	2	5	1	6	3	4
45	1	5	2	6	3	4
46	1	5	2	6	3	4
47	2	5	1	6	4	3
48	3	5	1	6	2	4
49	2	6	1	5	3	4
50	2	5	1	6	3	4
51	1	5	2	6	3	4
52	2	5	1	6	3	4
53	2	4	1	5	3	6
54	2	5	1	6	3	4
55	1	5	2	6	3	4
56	2	5	1	6	3	4
57	2	5	1	6	3	4
58	2	5	1	6	3	4
59	2	5	1	6	3	4
60	2	5	1	6	3	4
61	2	5	1	6	3	4
62	2	5	1	6	3	4
63	1	5	3	6	2	4
64	2	5	1	6	3	4
65	1	5	3	6	2	4
66	1	5	2	6	3	4
67	2	5	1	6	4	3
68	2	5	1	6	4	3
69	2	5	1	6	3	4
70	2	5	1	6	3	4
71	4	5	1	6	2	3
72	2	5	1	6	3	4
73	2	5	1	6	3	4
74	1	5	2	6	3	4
75	1	5	3	6	2	4

Descriptive statistics in PBD

	N	Mean	Std. Deviation	Minimum	Maximum
Fisheries	75	1.81	0.630	1	4
Timber	75	4.92	0.653	1	6
Coastal	75	1.44	0.683	1	4
Carbon	75	5.89	0.352	4	6
Nursery	75	2.92	0.610	1	4
Ecotourism	75	4.03	0.569	3	6

Rank of priority of mangrove ecosystem services in PBD

	Mean Rank
Fisheries	1.81
Timber	4.91
Coastal	1.44
Carbon	5.89
Nursery	2.92
Ecotourism	4.03

Test Statistics ^a	
N	75
Chi-Square	330.038
df	5
Asymp. Sig.	0.000

a. Friedman Test

4. Test of Spearman correlations

Correlations

		Sumut	Kaltara	Papua
Sumut	Pearson Correlation	1	,963**	0.622
	Sig. (2-tailed)		0.002	0.187
	N	6	6	6
Kaltara	Pearson Correlation	,963**	1	0.515
	Sig. (2-tailed)	0.002		0.296
	N	6	6	6
Papua	Pearson Correlation	0.622	0.515	1
	Sig. (2-tailed)	0.187	0.296	
	N	6	6	6

** . Correlation is significant at the 0.01 level (2-tailed).