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LAMPIRAN

Lampiran 1. Pengambilan dan Pengamatan Sampel.

Stasiun I (Bendungan Bili-bili, Kabupaten Gowa, Sulawesi Selatan).

Stasiun II (output kecil Bendungan Bili-bili, Kabupaten Gowa, Sulawesi Selatan).

Stasiun III (sekitaran Jembatan Bili-bili 1, Kabupaten Gowa, Sulawesi Selatan)

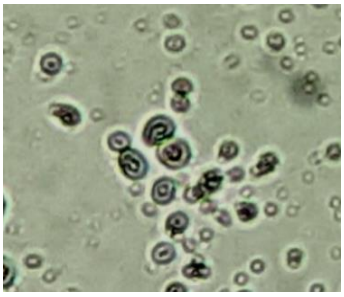
Stasiun IV (sekitaran Jembatan Kembar Pallangga, Kabupaten Gowa, Sulawesi Selatan).

Stasiun V (Dermaga Daeng Tata I, Kota Makassar, Sulawesi Selatan).

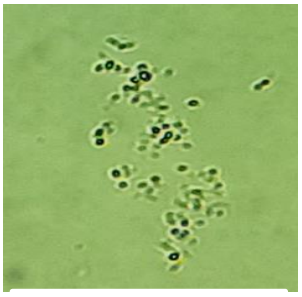
Stasiun VI (sekitaran Jembatan Barombong, Kota Makassar, Sulawesi Selatan).

Lampiran 2. Gambar Plankton

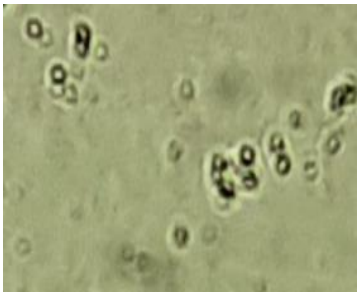
A. Fitoplankton



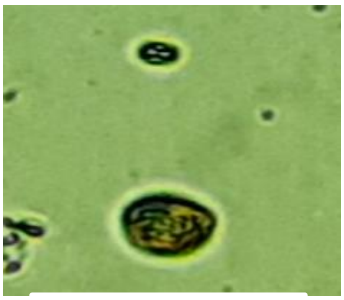
Chlorococcus sp.



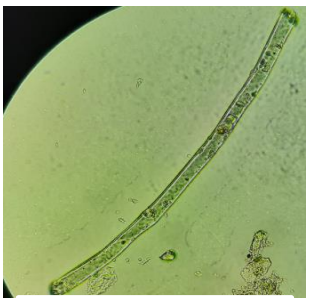
Aphanocapsa sp.



Coelosphaerium

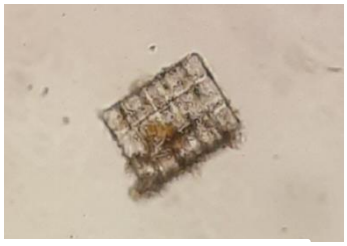


Oocystis sp.

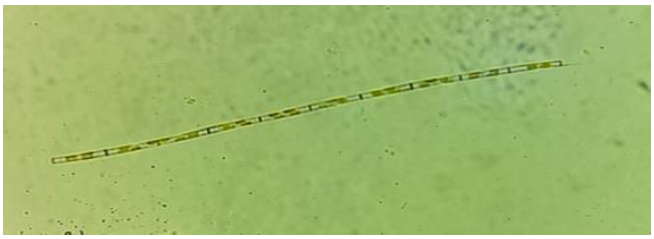


Pleurotaenium

Eualena sp.



Striatella



Melosira granulata

Melosira granulata

Peridinium sp.

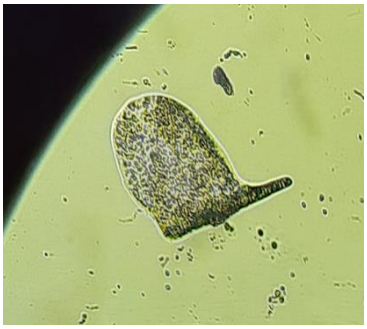
Gymnodinium sp.

Navicula sp.

Polykrikos sp.

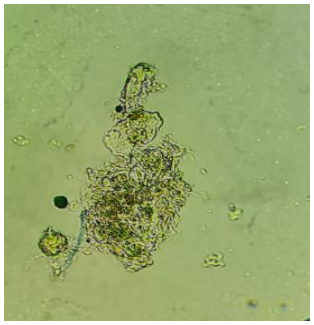
Anabaena sp.

B. Zooplankton

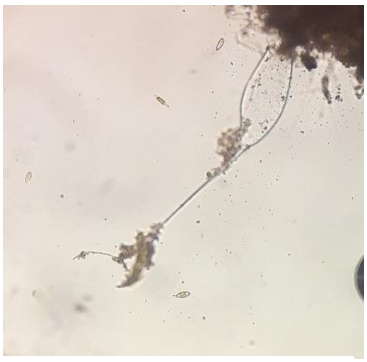


Paradyleptus sp.

Radiolaria sp.



Trichamoeba sp.

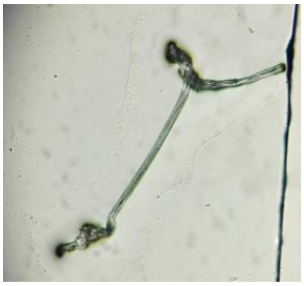


Stentor sp.

Difflugia sp.

Habrothrocha sp.

Rotaria sp.



Paraseison sp.

Arctodiaptomus sp

Bosminopsis sp.

Lampiran 3. Data Kelimpahan dan Keanekaragaman Plankton

St. I	**Fitoplankkton**			
No.	Nama spesies	Kelas	Jumlah ind	H'
1	*Aphanocapsa sp.*	Cyanophyceae	1675	-0,288061986
2	*Coelosphaerium sp.*	Cyanophyceae	1575	-0,279775439
3	*Chlorococcus sp.*	Chlorophyceae	1145	-0,236947816
4	*Cylindrospermopsis raciborskii*	Cyanophyceae	1140	-0,236371663
5	*Chlamydomonas sp*	Chlorophyceae	945	-0,212233849
6	*Dictiyosphaericum pulchellum*	Cyanophyceae	910	-0,207529926
7	*Chlorogonium sp*	Chlorophyceae	690	-0,174909287
8	*Chlorella sp*	Chlorophyceae	490	-0,139626407
9	*Cryptomonas*	Flagellata	430	-0,127691674
10	*Nitzchia*	Diatomeae	320	-0,103716486
11	*Selenastrum sp*	Chlorophyceae	320	-0,103716486
12	*Hemidinium*	Flagellata	280	-0,094188395
13	*Oocystis sp.*	Chlorophyceae	230	-0,081527436
14	*Synura sp.*	Flagellata	150	-0,059063137
15	*Synedra ulna*	Diatomeae	140	-0,056013371
16	*Mougeotia sp.*	Conjugatae	120	-0,049711652
17	*Amphinidium*	Flagellata	70	-0,032466272
18	*Microcystis aeruginosa*	Cyanophyceae	70	-0,032466272
19	*Dinobryon*	Diatomeae	60	-0,028678329
20	*Actinella sp.*	Diatomeae	30	-0,016250416
21	*Euglena acus*	Flagellata	30	-0,016250416
22	*Encyonema*	Diatomeae	20	-0,011578951
23	*Peridinium sp*	Flagellata	20	-0,011578951
24	*Anabaena sp*	Cyanophyceae	10	-0,006426559
25	*Epithemia sp*	Diatomeae	10	-0,006426559
Total			10880	2,613207735
St. I	**Zooplankton**			
No	Nama spesies	Filum	Jumlah ind	H'
1	*Bursaria sp.*	Protozoa	5	-0,116113649
2	*Cephalodella auriculata*	Rotifera	10	-0,184424045
3	*Dactylobiotus*	Tardigrada	5	-0,116113649
4	*Filinia opoliensis*	Rotifera	20	-0,273241582
5	*Habrotrocha sp*	Rotifera	5	-0,116113649
6	*Microcyclops sp*	Arthropoda	5	-0,116113649
7	*Plectuss sp.*	Nematoda	10	-0,184424045
8	*Polichaos sp.*	Protozoa	15	-0,234691401
9	*Rotaria neptunia*	Rotifera	10	-0,184424045
10	*Taphrocampa selena*	Rotifera	15	-0,234691401
11	*Tintinnidium flaviatile*	Protozoa	20	-0,273241582
12	*Trichamoeba sp*	Protozoa	20	-0,273241582

13	*Xystonellopsis sp*	Arthropoda	5	-0,116113649
Total			145	2,422947928
St. II	**Fitoplankton**			
No.	Nama spesies	Kelas	Jumlah ind	H'
1	*Chlorococcus sp.*	Chlorophyceae	1415	-0,3010519
2	*Chlorogonium sp*	Flagellata	1345	-0,294345949
3	*Coleosphaerium sp*	Cyanophyceae	1090	-0,266031379
4	*Aphanocapsa sp,*	Cyanophyceae	950	-0,24753077
5	*Chlamydomonas sp*	Flagellata	575	-0,184458672
6	*Selenastrum sp*	Chlorophyceae	570	-0,183451948
7	*Gymnodinium sp.*	Flagellata	450	-0,157592927
8	*Cylindrospermopsis raciborskii*	Cyanophyceae	375	-0,139530269
9	*Oocystis sp*	Chlorophyceae	315	-0,123794666
10	*Peridinium sp*	Flagellata	300	-0,119655776
11	*Dictiyosphaericum pulchellum*	Cyanophyceae	225	-0,097507695
12	*Nitzchia*	Diatomeae	170	-0,079389497
13	*Synedra ulna*	Diatomeae	115	-0,059097536
14	*Noctiluca*	Flagellata	95	-0,050997298
15	*Dinobryon*	Diatomeae	65	-0,037852315
16	*Microcystis aeruginosa*	Cyanophyceae	65	-0,037852315
17	*Gyrodinium sp.*	Flagellata	50	-0,030691037
18	*Sabulodinium*	Flagellata	30	-0,020253226
19	*Synura sp*	Flagellata	20	-0,014475073
20	*Pleurotaenium sp.*	Conjugatae	20	-0,014475073
21	*Prorocentrum micans*	Flagellata	15	-0,011374029
22	*Euglena acus*	Flagellata	20	-0,014475073
23	*Adenoides*	Flagellata	15	-0,011374029
24	*Synedra acuus*	Diatomeae	10	-0,008069147
25	*Oscillatoria sp*	Cyanophyceae	10	-0,008069147
26	*Melosira granulata*	Diatomeae	10	-0,008069147
27	*Pokykrikos sp.*	Flagellata	5	-0,004450378
28	*Striatella unipunctata*	Diatomeae	5	-0,004450378
29	*Mougeotia acalaria*	Conjugatae	5	-0,004450378
30	*Euglena gracilis*	Flagellata	5	-0,004450378
31	*Pseliodinium sp*	Flagellata	5	-0,004450378
32	*Onychonema sp*	Chlorophyceae	5	-0,004450378
33	*Staurastrum sp*	Diatomeae	5	-0,004450378
Total			8355	2,552618541

St. II	**Zooplankton**			
No	Nama spesies	Filum	Jumlah ind	H'
1	*Habrotrocha sp*	Rotifera	15	-0,24917126
2	*Radiolaria sp.*	Protozoa	5	-0,125311405
3	*Tintinnidium flaviatile*	Protozoa	10	-0,197303797
4	*Microcyclops sp*	Arthropoda	5	-0,125311405
5	*Stentor sp.*	Protozoa	5	-0,125311405
6	*Plectuss sp.*	Nematoda	5	-0,125311405
7	*Dactylobiotus sp.*	Tardigrada	15	-0,24917126
8	*Trichamoeba sp*	Protozoa	25	-0,317049736
9	*Bursaria sp*	Protozoa	20	-0,287969566
10	*Rotaria sp*	Rotifera	20	-0,287969566
11	*Difflugia*	Protozoa	5	-0,125311405
Total			130	2,215192209
St. III	**Fitoplankton**			
No	Nama spesies	Kelas	Jumlah ind	H'
1	*Chlorococcus sp.*	Chlorophyceae	850	-0,34472
2	*Coelosphaerium sp.*	Cyanophyceae	615	-0,30685
3	*Aphanocapsa sp.*	Cyanophyceae	535	-0,28845
4	*Chlamydomonas reinhardtii*	Chlorophyceae	485	-0,27523
5	*Selenastrum sp.*	Chlorophyceae	465	-0,26953
6	*Chlorogonium sp.*	Flagellata	255	-0,19202
7	*Peridinium sp.*	Flagellata	110	-0,10952
8	*Gymnodinium sp.*	Flagellata	45	-0,05641
9	*Microcystis sp.*	Cyanophyceae	25	-0,03558
10	*Oocystis sp.*	Chlorophyceae	20	-0,02975
11	*Nitzchia sp.*	Diatomeae	20	-0,02975
12	*Amphinidium sp.*	Flagellata	20	-0,02975
13	*Pleurotaenium sp.*	Conjugatae	15	-0,02356
14	*Prorocentrum micans*	Flagellata	5	-0,00944
Total			3465	2,000575
St. III	**Zooplankton**			
No	Nama spesies	Filum	Jumlah ind	H'
1	*Difflugia sp.*	Protozoa	5	-0,18054
2	*Rotaria sp.*	Rotifera	20	-0,35247
3	*Taphrocampa sp.*	Rotifera	5	-0,18054
4	*Habrothrocha sp.*	Rotifera	5	-0,18054
5	*Trichamoeba sp.*	Protozoa	5	-0,18054
6	*Bosminopsis sp.*	Arthropoda	5	-0,18054
7	*Paradileptus sp.*	Protozoa	5	-0,18054
8	*Nauplius sp.*	Arthropoda	5	-0,18054
9	*Dactyolobiotus sp.*	Tardigrada	10	-0,26865

10	*Arctodiaptomus sp*	Arthropoda	10	-0,26865
Total			75	2,153532
St.IV	**Fitoplankton**			
No	Nama spesies	Kelas	Jumlah ind	H’
1	*Cylindrospemopsis raciborskii*	Cyanophyceae	1015	-0,317830778
2	*Coelosphaerium sp.*	Cyanophyceae	955	-0,310137239
3	*Chlorococcus sp.*	Chlorophyceae	780	-0,283407922
4	*Oocystis sp.*	Chlorophyceae	730	-0,274461348
5	*Microcystis aeruginosa*	Cyanophyceae	420	-0,202174612
6	*Gymnodinium sp.*	Flagellata	400	-0,196268139
7	*Peridinium sp.*	Flagellata	345	-0,179011002
8	*Amphidinium sp.*	Flagellata	275	-0,154579855
9	*Synura sp.*	Flagellata	140	-0,096715793
10	*Hydrodicton sp.*	Diatomeae	80	-0,063801775
11	*Girodinium sp.*	Flagellata	55	-0,047792822
12	*Euglena sp.*	Flagellata	30	-0,029535747
13	*Flagilaria sp.*	Diatomeae	5	-0,006630689
14	*Mallomonas sp.*	Flagellata	5	-0,006630689
15	*Polykrikos sp.*	Flagellata	5	-0,006630689
16	*Pleurotaenium sp.*	Conjugatae	5	-0,006630689
Total			5245	2,182239788
St.IV	**Zooplankton**			
No	Nama spesies	Filum	Jumlah ind	H'
1	*Paradyleptus sp.*	Protozoa	5	-0,160576209
2	*Amoeba sp.*	Protozoa	15	-0,298626578
3	*Difflugia sp.*	Protozoa	20	-0,334239422
4	*Filinia sp.*	Rotifera	10	-0,244136064
5	*Polyathra sp.*	Rotifera	5	-0,160576209
6	*Rotaria sp.*	Rotifera	30	-0,366204096
7	*Taphrocampa sp.*	Rotifera	5	-0,160576209
Total			90	1,724934786
St. V	**Fitoplankton**			
No	Nama spesies	Kelas	Jumlah ind	H'
1	*Chlorococcus sp.*	Chlorophyceae	1240	-0,301096686
2	*Microcystis aeruginosa*	Cyanophyceae	640	-0,36392446
3	*Peridinium sp.*	Flagellata	45	-0,084438811
4	*Synura sp.*	Flagellata	45	-0,084438811
5	*Anabaena sp.*	Cyanophyceae	20	-0,045517821
6	*Polykrikos sp.*	Flagellata	10	-0,026173428
7	*Pleurotaenium sp.*	Conjugatae	5	-0,014793973
8	*Flagilaria sp.*	Diatomeae	5	-0,014793973
9	*Synedra sp.*	Diatomeae	5	-0,014793973
10	*Nitzchia sp.*	Diatomeae	5	-0,014793973

11	*Navicula sp.*	Diatomeae	5	-0,014793973
12	*Noctiluca sp.*	Diatomeae	5	-0,014793973
Total			2030	0,994353857
St. V	**Zooplankton**			
No	Nama spesies	Filum	Jumlah ind	H'
1	*Rotaria sp.*	Rotifera	40	-0,270310072
2	*Habritrocha sp.*	Rotifera	15	-0,34657359
3	*Bursaria sp.*	Protozoa	5	-0,207075554
Total			60	-0,823959217
St. VI	**Fitoplankton**			
No	Nama spesies	Kelas	Jumlah ind	H'
1	*Selenastrum sp.*	Chlorophyceae	860	-0,367862999
2	*Coelosphaerium sp.*	Cyanophyceae	805	-0,366880326
3	*Oocystis sp.*	Chlorophyceae	495	-0,327593336
4	*Gymnodinium sp.*	Flagellata	80	-0,114725094
5	*Microcystis aeruginosa*	Cyanophyceae	30	-0,055490079
6	*Peridinium sp.*	Flagellata	25	-0,048173105
7	*Noctiluca sp.*	Flagellata	25	-0,048173105
8	*Pleurotaenium sp.*	Conjugatae	20	-0,040429531
9	*Spirogyra sp.*	Chlorophyceae	15	-0,032150636
10	*Synura sp.*	Flagellata	5	-0,013044447
Total			2360	1,414522656
Sta.VI	**Zooplankton**			
No	Nama spesies	Filum	Jumlah ind	H'
1	*Habrotrocha sp.*	Rotifera	5	-0,207075554
2	*Plectuss sp.*	Nematoda	5	-0,207075554
3	*Arctodiaptomus sp.*	Arthropoda	5	-0,207075554
4	*Rotaria sp.*	Rotifera	15	-0,34657359
5	*Filinia sp.*	Rotifera	5	-0,207075554
6	*Difflugia sp.*	Protozoa	5	-0,207075554
7	*Paraseison sp.*	Rotifera	10	-0,298626578
8	*Amoeba sp.*	Protozoa	5	-0,207075554
9	*Tintinnidium sp.*	Protozoa	5	-0,207075554
Total			60	2,094729048

Lampiran 4. Lembar Hasil Uji Nitrat-Fosfat

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HASIL ANALISIS

NAMA/NIM : ABDIL QAYYUM M/H4114307
ASAL INSTITUSI : DEPARTEMEN BIOLOGI FMIPA UNHAS
SAMPEL : AIR
JUMLAH : 3 (TIGA)
ANALISIS : FOSFOR DAN NITRAT

No	Kode Sampel	Parameter	
		Fosfor	Nitrat
1	ST.I	1.515	0.034
2	ST.IV	1.515	0.034
3	ST.VI	1.729	0.562

Makassar, 12 Maret 2021

Mahdalia, S.Si, M.Si
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