Tabel 5. Spesies-spesies dengan kemelimpahan relatif (DI) > 5% pada *Soneratia alba* 18 Agustus s/d 28 September 2002

Soneratia alba 18 Agustus s/d 28 September 2002					
No.	Jenis	Minggu ke -2	Minggu ke -4	Minggu ke -6	Minggu ke -8
		Di	Di	Di	Di
1	*Coscinodiscus sp*	12.33	-	-	-
2	*Cocconeis placentula*	-	-	-	9.85
3	*Cymbella tumida*	17.53	-	11.00	12.10
4	*Amphora veneta*	5.19	8.86	11.00	-
5	*Diploneis fusca*	-	9.42	-	6.06
6	*Melosira varians*	-	5.82	7.34	8.33
7	*Fragilaria virescens*	-	-	5.50	8.33
8	*Fragilaria cylindrus*	-	-	7.34	-
9	*Navicul mutica*	-	9.42	6.19	-
10	*Navicula cuspidate*	-	7.48	9.17	6.06
11	*Nitzschia longissima*	12.33	8.31	9.17	-
12	*Nitzschia vitrea*	5.19	-	-	-
13	*Pleurosigma angulatum*	10.13	-	-	6.06
14	*Rhizosolenia sp*	-	10.20	-	-
15	*Surirela cuniata*	10.39	6.65	-	-

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Tabel 6. Spesies-spesies dengan kemelimpahan relatif (DI) > 5% pada *Rhizopora apiculata* 18 Agustus s/d 28 September 2002

Rhizopora apiculata 18 Agustus s/d 28 September 2002					
No.	Jenis	Minggu ke -2	Minggu ke -4	Minggu ke -6	Minggu ke -8
		Di	Di	Di	Di
1	*Coscinodiscus sp*	8.07	6.31	-	-
2	*Melosira varians*	-	-	5.86	7.31
3	*Melosira granuleta*	-	-	5.85	5.02
4	*Achnantes lanceolata*	-	6.98	-	-
5	*Amphora veneta*	-	8.97	-	5.02
6	*Cymbella tumida*	11.80	9.63	-	9.59
7	*Diploneis fusca*	-	5.32	-	7.31
8	*Fragilaria virescens*	11.80	-	-	-
9	*Navicula mutica*	6.83	-	6.46	-
10	*Navicula cuspidate*	-	-	19.70	11
11	*Navicula gregaria*	-	-	**26.20**	**30.10**
12	*Nitzschia longissima*	**24.80**	5.32	-	-
13	*Nitzschia Closterium*	6.83	-	-	-
14	*Nitzschiavitrea*	-	5.32	5.85	-
15	*Pleurosigma angulatum*	6.83	-	-	-
16	*Surirela cuniata*	-	-	-	8.68

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Tabel 7. Spesies-spesies dengan kemelimpahan relatif (DI) > 5% pada *Rhizopora mucronata* 18 Agustus s/d 28 September 2002

Rhizopora mucronata 18 Agustus s/d 28 September 2002					
No.	Jenis	Minggu ke -2	Minggu ke -4	Minggu ke -6	Minggu ke -8
		Di	Di	Di	Di
1	*Coscinodiscus sp*	19.05	-	-	-
2	*Melosira varians*	-	7.80	5.50	-
3	*Melosira granulata*	-	-	-	9.41
4	*Thalasiosira sp*	-	-	6.19	-
5	*Amphora veneta*	-	-	11.00	-
6	*Cymbella tumida*	6.19	-	-	7.32
7	*Fragilaria virescens*	-	-	-	9.41
8	*Fragilaria intermedia*	12.86	-	-	-
9	*Fragilaria capucina*	-	8.29	11.00	-
10	*Navicula mutica*	-	5.12	-	-
11	*Navicula cuspidate*	**25.29**	12.93	9.86	9.41
12	*Navicula gregaria*	14.76	**19.51**	**15.10**	**24.39**
13	*Nitzschia longissima*	-	-	5.50	-
14	*Pleurosigma angulatum*	5.23	-	-	-
15	*Surirela cuniata*	-	-	-	5.57

Tabel 8. Spesies-spesies dengan kemelimpahan relatif (DI) > 5% pada *Rhizopora stylossa* 18 Agustus s/d 28 September 2002

Rhizopora Stylossa18 Agustus s/d 28 September 2002					
No.	Jenis	Minggu ke -2	Minggu ke -4	Minggu ke -6	Minggu ke -8
		Di	Di	Di	Di
1	*Coscinodiscus sp*	-	6.11	-	11.24
2	*Amphora hyaline*	-	6.62	-	14.34
3	*Cymbella tumida*	**20.09**	**12.21**	8.13	**17.44**
4	*Cymbella leptoceros*	-	5.34	-	-
5	*Fragilaria virescens*	12.62	-	6.50	5.04
6	*Fragilaria cylindrus*	5.14	-	-	-
7	*Navicula mutica*	6.07	-	-	-
8	*Navicula cuspidate*	17.29	-	14.02	7.36
9	*Navicula gregaria*	-	8.65	**22.15**	-
10	*Navicula cancellata*	-	6.87	5.89	-
11	*Nitzschia longissima*	6.07	7.38	5.49	-
12	*Surirela cuniata*	6.07	-	-	-
13	*Surirela eximia*	-	5.34	6.50	11.24

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Tabel 9. Spesies-spesies dengan kemelimpahan relatif (DI) > 5% pada *Avicenia alba* 18 Agustus s/d 28 September 2002

Avicenia alba 18 Agustus s/d 28 September 2002					
No.	Jenis	Minggu ke -2	Minggu ke -4	Minggu ke -6	Minggu ke -8
		Di	Di	Di	Di
1	*Coscinodiscus sp*	18.12	-	5.37	-
2	*Amphora veneta*	-	-	-	9.85
3	*Cymbella tumida*	7.38	21.81	11.85	9.85
4	*Fragilaria virescens*	-	-	-	-
5	*Fragilaria cylindrus*	8.72	-	-	-
6	*Fragilaria intermedia*	7.38	-	-	-
7	*Navicula mutica*	-	-	-	7.58
8	*Navicula cuspidate*	-	22.27	-	-
9	*Navicula gregaria*	7.38	-	14.76	-
10	*Navicula cancellata*	-	13.86	12.52	-
11	*Nitzschia longissima*	-	-	-	6.06
12	*Pleurosigma angulatum*	8.72	-	6.04	6.06
13	*Rhabdonema sp*	5.36	-	-	-
14	*Rhizosolenia sp*	-	6.59	-	-
15	*Surirela cuniata*	16.11		8.95	-

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Lampiran 1. Komunitas diatom epifitik pada serasah daun dari 5 jenis tanaman mangrove di kawasan Mangrove Rembang

	Rhizophora apiculata				*Rhizophora mucronata*				*Rhizophora stylossa*				*Sonneratia alba*				*Avicennia alba*			
Minggu ke-	2	4	6	8	2	4	6	8	2	4	6	8	2	4	6	8	2	4	6	8
Jumlah total ind (ind/cm^2)	161	301	325	219	210	410	436	287	214	393	509	258	154	361	436	132	149	440	447	132
Jumlah Jenis	13	32	26	14	15	21	27	19	17	28	25	24	16	23	29	22	17	20	23	19
Indeks Keanekaragaman (H')	2.34	3.22	2.56	2.56	2.19	2.56	2.86	2.58	2.48	2.97	2.65	2.72	2.42	2.86	2.94	2.89	2.54	2.39	2.76	2.78
Indeks Pemerataan (e)	0.91	0.93	0.79	0.87	0.81	0.84	0.87	0.88	0.88	0.89	0.82	0.86	0.87	0.91	0.87	0.93	0.89	0.79	0.88	0.94

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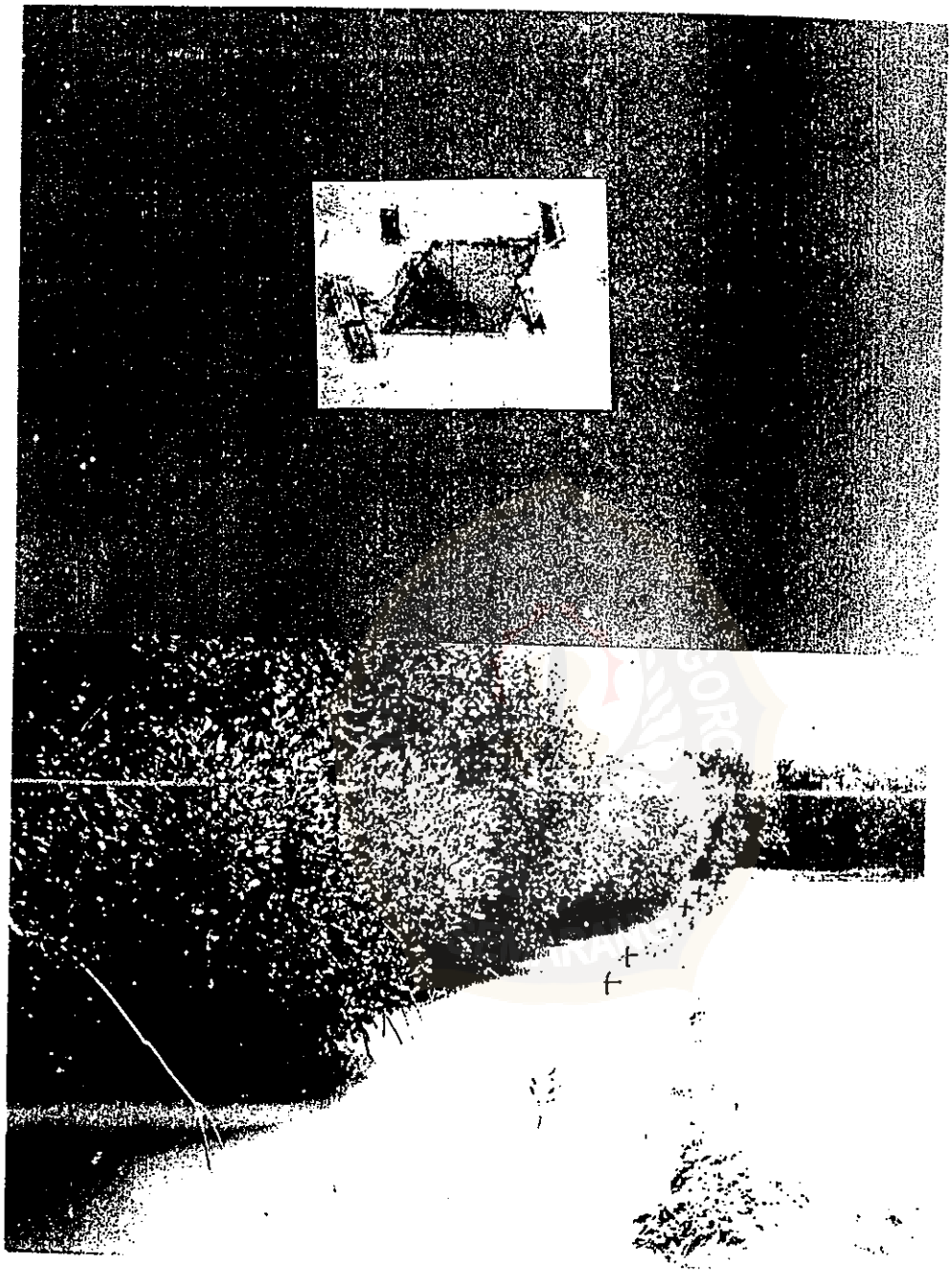
Lampiran 2. Gambar sasak nilon di lokasi penelitian kawasan mangrove Rembang



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Lampiran 3. Gambar serasah daun dari lima jenis tanaman mangrove

Keterangan :

1. *Rhizophora mucronata*
2. *Rhizophora apiculata*
3. *Rhizophora stylossa*
4. *Sonneratia alba*
5. *Avicennia alba*

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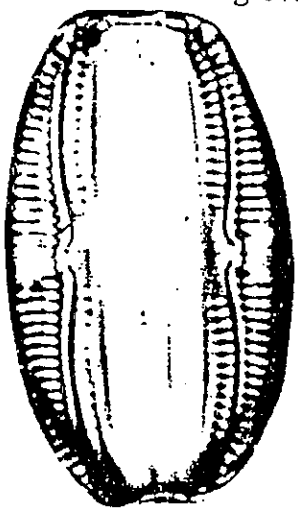
Lampiran 4. Gambar Diatom Epifitik yang ditemukan pada serasah daun mangrove

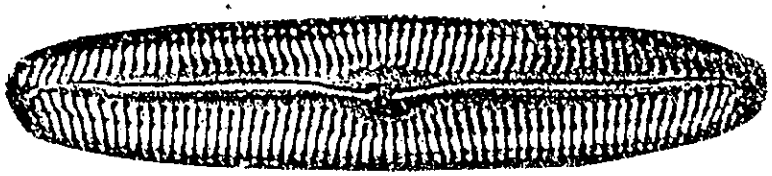


(*Amphora ovalis*, 30-60 µm, 15-30 µm)

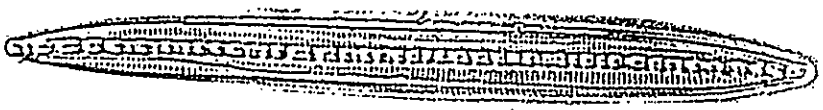
(*Achnantes lanceolata*, 30-65 µm, 4-8 µm)

(*Synedra ulna*, 500 µm, 5-7 µm)

(*Nitzschia recta*, 60-130 µm, 5-7 µm)



(*Pinnularia viridis*, 30-200 µm, 8-25 µm)



(Bacillaria paradoxa, 70-115 µm, 5-6 µm)

(Sumber : Bourelly, 1981; Gell *et al*, 1999)

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