

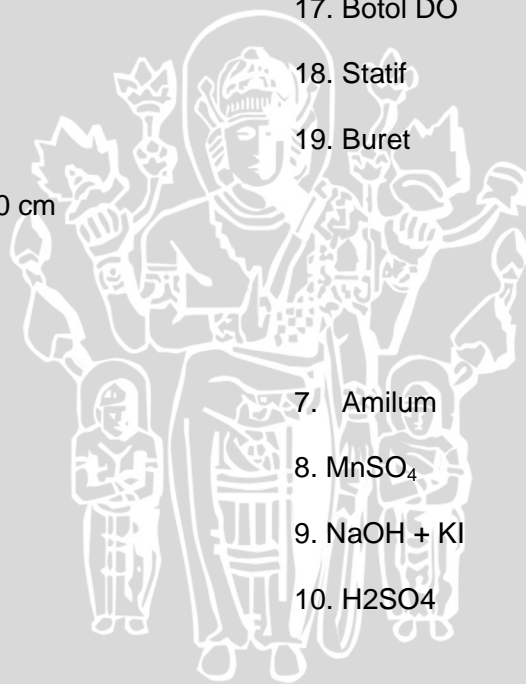
**Lampiran 1 . Alat dan Bahan**

## ▪ Alat

- |                              |                     |
|------------------------------|---------------------|
| a) Pisau silet               | 11. Cawan porselin  |
| b) Botol air mineral         | 12. Pipet tetes     |
| c) Mikroskop                 | 13. Pipet Volume    |
| d) Tali rafia                | 14. Gelas Ukur      |
| e) Stop watch                | 15. Kertas Label    |
| f) pH Paper                  | 16. Kantong Plastik |
| g) Erlenmeyer                | 17. Botol DO        |
| h) Botol sampel              | 18. Statif          |
| i) Kertas saring             | 19. Buret           |
| j) Transek ukuran 50 x 50 cm |                     |

## ▪ Bahan




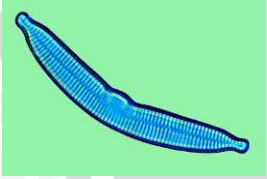
- |                            |                |
|----------------------------|----------------|
| 1. Aquadest                | 7. Amilum      |
| 2. Lugol                   | 8. $MnSO_4$    |
| 3. Tissue                  | 9. $NaOH + KI$ |
| 4. Air sampel              | 10. $H_2SO_4$  |
| 5. Indikator Phenolptalein |                |
| 6. $SnCl_2$                |                |



Lampiran 2. Identifikasi

Gambar	Klasifikasi
	Phylum : Chrysophyta Sub Phylum : Bacillariophyceae Ordo : Pennales Famili : Achnantheaceae Genus : Achnanthes (Prescott, 1970)
	Phylum : Chrysophyta Sub Phylum : Bacillariophyceae Ordo : Pennales Famili : Achnantheaceae Genus : Amphora (Prescott, 1970)
 <p><i>Amphora ovalis v. pediculus</i></p>	Phylum : Chrysophyta Sub Phylum : Bacillariophyceae Ordo : Pennales Famili : Achnantheaceae Genus : Amphora (Prescott, 1970)
	Phylum : Cyanophyta Ordo : Nostocales Famili : Nostocaceae Genus : Anabaena (Prescott, 1970)

Lampiran : Identifikasi

Gambar	Klasifikasi
	<p>Phylum : Cyanophyta                      Ordo : Nostocales                      Famili : Nostocaceae                      Genus : Aphanocopsa</p> <p>(Prescott, 1970)</p>
	<p>Phylum : Cyanophyta                      Ordo : Nostocales                      Famili : Nostocaceae                      Genus : Aulosira</p> <p>(Prescott, 1970)</p>
	<p>Phylum : Chrysophyta                      Subphylum : Xanthophyceae                      Ordo : Mischooccales                      Famili : Seiadaceae                      Genus : Aulosira</p> <p>(Prescott, 1970)</p>
	<p><i>Ceratoneis arcus</i>                      Phylum : Chrysophyta                      Subphylum : Xanthophyceae                      Ordo : Mischooccales                      Famili : Seiadaceae                      Genus : Ceratoneis</p>





Lampiran : Identifikasi

Gambar	Klasifikasi
	Phylum : Chlorophyta Family : oocystaceae Ordo : Chlorococcales Famili : Oocystaceae Genus : Chlorella (Prescott, 1970)
	Phylum : Chlorophyta Family : oocystaceae Ordo : Chlorococcales Famili : Oocystaceae Genus : Chlorella (Prescott, 1970)
 <p>CLOSTERIDIUM</p>	Phylum : Chlorophyta Sub Phylum : Chlorophyceae Ordo : Zygnematales Famili : Desmidiaseae Genus : Closteridium (Prescott, 1970)
 <p>Closteriopsis coenoc.</p>	Phylum : Chlorophyta Sub Phylum : Chlorophyceae Ordo : Chlorococcales Famili : Oocystaceae Genus : Closteriopsis (Prescott, 1970)

**Lampiran : Identifikasi**

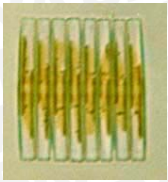

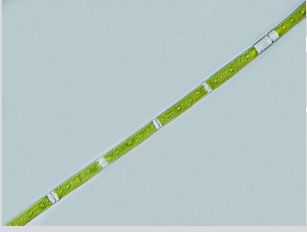

Gambar	Klasifikasi
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 <p>Closterium D.C. Prescott (1970) The Cyanobacteria: Microbiology and Ecology</p>	<p>Phylum : Chlorophyta                  Sub Phylum : Chlorophyceae                  Ordo : Zygnematales                  Famili : Desmidiaceae                  Genus : Closterium                  Species : <i>Closterium sp</i></p> <p>(Prescott, 1970)</p>
	<p>Coelosphaerium sp                  Phylum : Cyanophyta                  Ordo : Chroococcales                  Famili : Chroococcaceae                  Genus : Closterium</p> <p>(Prescott, 1970)</p>
	<p>Phylum : Chrysophyta                  Sub Phylum : Bacillariophyceae                  Ordo : Centrales                  Famili : Coscinodiscaceae                  Genus : Cyclotella</p> <p>(Prescott, 1970)</p>
 <p>20µm</p>	<p>Phylum : Chrysophyta                  Sub Phylum : Bacillariophyceae                  Ordo : Pennales                  Famili : Cymbellaceae                  Genus : Cymbella</p> <p>(Prescott, 1970)</p>


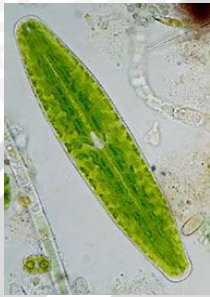
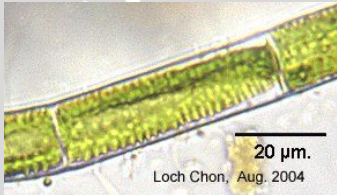

**Lampiran : Identifikasi**

Gambar	Klasifikasi
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	<p>Phylum : Chrysophyta                  Sub Phylum : Bacillariophyceae                  Ordo : Pennales                  Famili : Fragilariaceae                  Genus : Fragilaria</p> <p>( Prescott, 1970)</p>
	<p>Phylum : Cyanophyta                  Sub Phylum : Cyanophyceae                  Ordo : Chroococcales                  Famili : Chroococcaceae                  Genus : Gloeotheca</p> <p>( Prescott, 1970)</p>
	<p>Phylum : Chlorophyta                  Sub Phylum : Chlorophyceae                  Ordo : Zygnematales                  Famili : Mesotaeniaceae                  Genus : Gonatozygon</p> <p>(Prescott, 1970)</p>
	<p>Meringosphaera sp                  Phylum : Chrysophyta                  Sub Phylum : Xantophyceae                  Ordo : Mischococcales                  Famili : Pleurochloridaceae                  Genus : Meringosphaera</p> <p>(Prescott, 1970)</p>

**Lampiran : Identifikasi**

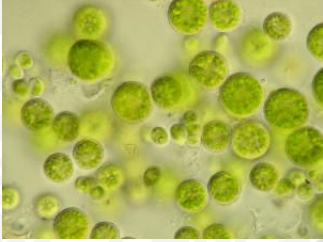
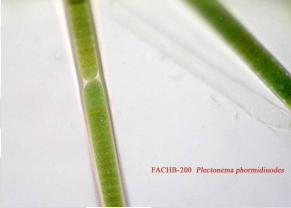


Gambar	Klasifikasi
	Phylum : Chlorophyta

	<p>Sub Phylum : Chlorophyceae                  Ordo : Zygnematales                  Famili : Mesotaeniaceae                  Genus : Netrium</p> <p>(Prescott, 1970)</p>
	<p>Phylum : Chlorophyta                  Sub Phylum : Chlorophyceae                  Ordo : Zygnematales                  Famili : Mesotaeniaceae                  Genus : Netrium</p> <p>(Prescott, 1970)</p>
 <p>20 µm. Loch Chon, Aug. 2004</p>	<p>Phylum : Chlorophyta                  Sub Phylum : Chlorophyceae                  Ordo : Zygnematales                  Famili : Zygnemataceae                  Genus : Mougeotiopsis</p> <p>(Prescott, 1970)</p>
 <p>50 µm</p>	<p>Phylum : Cyanophyta                  Ordo : Oscillatoriales                  Family : Oscillatoriaceae                  Genus : Oscillatoria</p> <p>(Prescott, 1970)</p>

**Lampiran : Identifikasi**





Gambar	Klasifikasi
	<p>Phylum : Cyanophyta                      Sub Phylum : Chlorophyceae                      Ordo : Chlorococcales</p>



	<p>Famili : Chroococcaceae                  Genus : Planktosphaeria                  ( Prescott, 1970)</p>
 <p>FACHB-200 Plectonema phormidium</p>	<p>Phylum : Cyanophyta                  Sub Phylum : Cyanophyceae                  Ordo : Chroococcales                  Famili : Chroococcaceae                  Genus : Plectonema                  ( Prescott, 1970)</p>
	<p>Phylum : Chrysophyta                  Sub Phylum : Bacillariophyceae                  Ordo : Pennales                  Famili : Naviculaceae                  Genus : Pleurosigma                  ( Prescott, 1970)</p>
	<p>Phylum : Chlorophyta                  Sub Phylum : Chlorophyceae                  Ordo : Zygnematales                  Famili : Mesotaeniaceae                  Genus : Roya                  (Prescott, 1970)</p>

**Lampiran : Identifikasi**


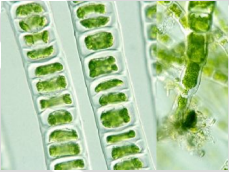
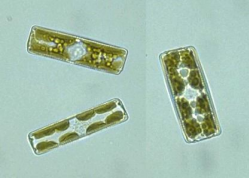



Gambar	Klasifikasi
	Phylum : Chlorophyta Subphylum : Chlorophyceae Ordo : Sphaeropleales Famili : Sphaeropleaceae Genus : Sphaeroplea  (Prescott, 1970)
	Phylum : Chlorophyta Ordo : Zygnematales Famili : Desmidiaceae Genus : Staurastrum  (Prescott, 1970)
	Phylum : Cyanophyta Ordo : Oscillatoriales Famili : Oscillatoriaceae Genus : Symploca  (Prescott, 1970)
	Phylum : Chrysophyta Sub Phylum : Bacillariophyceae Ordo : Pennales Famili : Fragilariaceae Genus : Synedra  (Prescott, 1970)

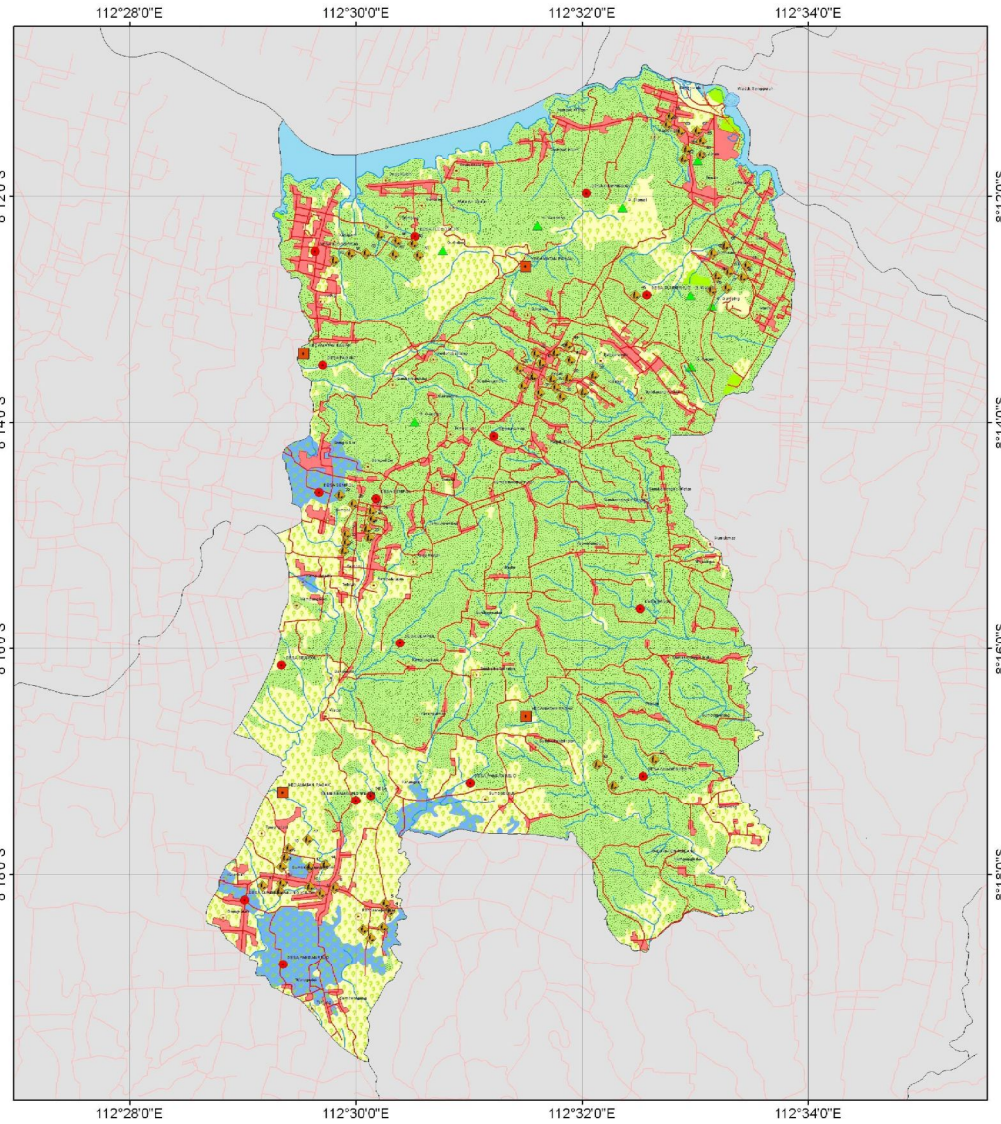
**Lampiran : Identifikasi**

Gambar	Klasifikasi
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	<p>Phylum : Chlorophyta                  Subphylum : Chlorophyceae                  Ordo : Ulotridiales                  Famili : Ulothricales                  Genus : Uronema</p> <p>(Prescott, 1970)</p>
	<p>Phylum : Chlorophyta                  Subphylum : Chlorophyceae                  Ordo : Ulotrichales                  Famili : Ulothrichacea                  Genus : Ulothrix</p> <p>(Prescott, 1970)</p>
	<p>Phylum : Chrysophyta                  Sub Phylum : Bacillariophyceae                  Ordo : Pennales                  Famili : Fragilariaceae                  Genus : Diatoma</p> <p>(Prescott, 1970)</p>
	<p>Phylum : Chrysophyta                  Sub Phylum : Bacillariophyceae                  Ordo : Pennales                  Famili : Naviculaceae                  Genus : Gyrosigma</p> <p>(Prescott, 1970)</p>

Lampiran 3. Peta Kecamatan Pagak



**PETA KECAMATAN PAGAK**

Lokasi Pekerjaan	sungai	sawah tadah hujan
dusun	Kecamatan Pagak	danau
desa	kecamatan lain	
kecamatan	pemukiman	
Waduk	belukar	
gunung	kebun	
Jalan Pagak	ladang	
Jalan lain	sawah irigasi	

Skala 1: 40.000

Sumber : Bakosurtanal Tahun 2001

PETA KABUPATEN MALANG

