Lampiran 01

Bagan Percobaan dan Hasil Pengacakan Perlakuan

A2B1	A4B2	A5B1	A3B3	A1B3	A5B3	A2B3	A5B2	A4B3
A5B2	A1B1	A5B2	A1B2	A2B3	A1B3	A5B1	A4B3	A2B3
A4B2	A3B2	A5B1	A2B1	A1B1	A2B2	A3B3	A1B3	A3B1
A5B3	A4B2	A4B1	A1B1	A3B1	A4B3	A2B2	A4B1	A2B2
A1B2	A4B1	A5B3	A3B1	A3B2	A2B1	A3B3	A1B2	A3B2

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Lampiran 02.

Tabel 05. Data Kepadatan *B.Plicatilis* O.F.Muller Pada Puncak Populasi.

	A1	A2	A3	A4	A5
B1	0 0 0	0 0 0	99 99 131	131 124 119	99 118 118
Jumlah	0	0	329	374	335
Rata-rata	0	0	109,67	124,67	111,67
B2	0 0 0	59 46 46	131 99 118	138 138 151	138 131 131
Jumlah	0	151	348	427	400
Rata-rata	0	50,33	116	142,33	133,33
B3	0 0 0	79 72 99	138 151 124	151 131 131	138 105 112
Jumlah	0	250	412	413	355
Rata-rata	0	83,33	137,67	137,67	118,32

Tabel 06. Transformasi Data Kepadatan *B.Plicatilis* pada Puncak Populasi dengan $\sqrt{y+1/2}$ pada Tiap Perlakuan.

	A1	A2	A3	A4	A5
B1	0,71 0,71 0,71	0,71 0,71 0,71	9,97 9,97 11,47	11,47 11,16 10,93	9,97 10,89 10,89
Jumlah	2,13	2,13	31,41	33,56	31,75
Rata-rata	0,71	0,71	10,47	11,19	10,58
B2	0,71 0,71 0,71	7,71 6,82 6,82	11,47 9,97 10,89	11,77 11,77 12,31	11,77 11,47 11,47
Jumlah	2,13	21,35	32,33	35,85	34,71
Rata-rata	0,71	7,12	10,78	11,95	11,57
B3	0,71 0,71 0,71	8,92 8,51 9,97	11,77 12,31 11,16	12,31 11,47 11,47	11,77 10,27 10,61
Jumlah	2,13	27,4	35,24	35,25	32,65
Rata-rata	0,71	9,13	11,75	11,75	10,88

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Lampiran 03

General Linear Model

Factor	Levels	Values				
A	5	1	2	3	4	5
B	3	1	2	3		

Analysis of Variance for Trans.Ke

Source	DF	Seq SS	Adj SS	Adj MS	F	F tabel 5%
A	4	808.919	808.919	202.230	793.94	2,69
B	2	37.524	37.524	18.762	73.66	3,32
A*B	8	83.680	83.680	10.460	41.07	2,27
Error	30	7.641	7.641	0.255		
Total	44	937.766				

Unusual Observations for Trans.Ke

Obs	Trans.Ke	Fit	StDev Fit	Residual	St Resid
18	9.9700	9.1333	0.2914	0.8367	2.03R
21	11.4700	10.4700	0.2914	1.0000	2.43R
43	11.7700	10.8833	0.2914	0.8867	2.15R

R denotes an observation with a large standardized residual

```
MTB > %Vartest 'Trans.Kepadatan B. plicatilis' 'A' 'B' ;
SUBC>   Confidence 95.0.
Executing from file: C:\MTBWIN\MACROS\Vartest.MAC
```

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Lampiran 04.

Hasil Uji Jarak Berganda Duncan

Perbandingan pengaruh utama dari *Chlorella* sp terhadap pertumbuhan populasi *B.plicatilis* O.F.Muller

$$Sd = \sqrt{0,255/9} = 0,17$$

P	P=2	P=3	P=4	P=5
R(30,p)5%	2,85	3,04	3,12	3,20
D(p,5%)	0,48	0,52	0,53	0,54

Tabel hasil uji jarak ganda Duncan pengaruh utama dari faktor *Chlorella* sp terhadap pertumbuhan populasi *B.plicatilis* O.F.Muller.

A	Rerata	A1	A2	A3	A5
A1	$0,71^{a}$	-			
A2	$5,65^{b}$	4,94*	-		
A3	11^{c}	10,29*	5,35*	-	
A5	$11,01^{c}$	10,3*	5,36*	0,01	-
A4	$11,63^{d}$	10,92*	5,98*	0,63*	0,62*

Perbandingan pengaruh utama dari faktor ragi roti terhadap pertumbuhan populasi *B. plicatilis* O.F.Muller.

$$Sd = \sqrt{0,255/15} = 0,13$$

P	P=2	P=3
R(30,p)5%	2,85	3,04
D(p,5%)	0,37	0,40

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Tabel hasil uji jarak ganda Duncan pengaruh utama dari faktor ragi roti terhadap pertumbuhan populasi *B.plicatilis* O.F.Muller.

B	Rerata	B1	B2
B1	6,73[a]	-	
B2	8,42[b]	1,69*	-
B3	8,84[c]	2,11*	0,42*

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Data Hasil Uji Jarak Berganda Duncan Pengaruh Interaksi *Chlorella* sp dan Ragi Roti Terhadap Kepadatan Populasi *B. plicatilis*

		A1B1[a]	A1B2[a]	A1B3[a]	A2B1[a]	A2B2[b]	A2B3[c]	A3B1[d]	A5B1[e]	A3B2[e]	A5B3[ef]	A4B1[efgh]	A5B2[fghi]	A3B3[ghi]	A4B3[ghi]
A1B1[a]	0,71	-													
A1B2[a]	0,71	0	-												
A1B3[a]	0,71	0	0	-											
A2B1[a]	0,71	0	0	0	-										
A2B2[b]	7,12	6,41*	6,41*	6,41*	6,41*	-									
A2B3[c]	9,13	8,42*	8,42*	8,42*	8,42*	2,01*	-								
A3B1[d]	10,47	9,76*	9,76*	9,76*	9,76*	3,35*	1,34*	-							
A5B1[e]	10,58	9,87*	9,87*	9,87*	9,87*	3,46*	1,45*	0,11	-						
A3B2[e]	10,78	10,07*	10,07*	10,07*	10,07*	3,66*	1,65*	0,31	0,2	-					
A5B3[ef]	10,88	10,17*	10,17*	10,17*	10,17*	3,76*	1,75*	0,41	0,3	0,1	-				
A4B1[efgh]	11,19	10,48*	10,48*	10,48*	10,48*	4,07*	2,06*	0,72	0,61	0,41	0,31	-			
A5B2[fghi]	11,57	10,86*	10,86*	10,86*	10,86*	4,45*	2,44*	1,1*	0,99*	0,79	0,69	0,38	-		
A3B3[ghi]	11,75	11,04*	11,04*	11,04*	11,04*	4,63*	2,62*	1,28*	1,17*	0,97*	0,87	0,56	0,18	-	
A4B3[ghi]	11,75	11,04*	11,04*	11,04*	11,04*	4,63*	2,62*	1,28*	1,17*	0,97*	0,87	0,56	0,18	0	-
A4B2[i]	11,95	11,24*	11,24*	11,24*	11,24*	4,83*	2,82*	1,48*	1,37*	1,17*	1,07*	0,76	0,38	0,2	0,2

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Lampiran 05.

Data Parameter Fisik Kimia Selama Penelitian

Tabel 06. Salinitas Rata-rata pada Masing-masing Perlakuan

Perlakuan	Hari ke-									
	1	2	3	4	5	6	7	8	9	10
A1B1	26	26	26	26	26	26	26	26	26	26
A1B2	26	26	26	27	27	28	27	26	26	26
A1B3	26	26	26	27	27	28	27	26	26	26
A2B1	26	26	26	27	27	28	27	26	26	26
A2B2	26	26	26	27	27	28	27	26	26	26
A2B3	26	26	26	27	27	27	27	26	26	26
A3B1	26	27	27	27	27	28	27	26	26	26
A3B2	26	26	26	27	27	28	27	26	26	26
A3B3	26	26	26	27	27	28	27	26	26	26
A4B1	26	26	26	27	27	27	27	26	26	26
A4B2	26	26	26	27	27	28	27	26	26	26
A4B3	26	26	26	27	27	28	27	26	26	26
A5B1	26	26	26	27	27	28	27	26	26	26
A5B2	26	26	26	27	27	28	27	26	26	26
A5B3	26	26	27	27	27	28	27	26	26	26

Tabel 07. Temperatur Rata-rata pada Masing-masing Perlakuan

Perlakuan	Hari ke-									
	1	2	3	4	5	6	7	8	9	10
A1B1	27	27	26	26	27	27	27	27	26	26
A1B2	28	27	26	26	27	27	27	27	26	27
A1B3	27	27	26	26	27	27	27	27	26	26
A2B1	28	27	26	26	27	27	27	27	26	26
A2B2	28	27	26	26	27	27	27	27	26	26
A2B3	28	27	26	26	27	27	27	27	26	26
A3B1	28	27	26	27	27	27	27	27	26	26
A3B2	28	27	26	26	27	27	27	27	26	26
A3B3	27	27	26	27	26	27	27	27	26	26
A4B1	28	27	26	27	26	27	27	27	26	26
A4B2	28	27	26	26	27	27	27	27	26	26
A4B3	27	27	26	26	27	27	27	27	26	26
A5B1	28	27	26	26	27	27	27	27	26	26
A5B2	28	27	26	26	27	27	27	27	26	26
A5B3	28	27	26	26	27	27	27	27	26	26

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Tabel 08. pH Rata-rata pada Masing-masing Perlakuan

Perlakuan	Hari ke-									
	1	2	3	4	5	6	7	8	9	10
A1B1	7,9	7,9	7,9	7,9	7,8	7,9	7,8	7,4	7,5	7,1
A1B2	7,9	7,9	7,9	7,9	7,8	7,9	7,8	7,4	7,4	7,2
A1B3	7,8	7,9	7,9	7,9	7,8	7,9	7,9	7,3	7,5	7,2
A2B1	7,9	7,9	7,9	7,9	7,8	8,0	7,8	7,2	7,3	7,3
A2B2	7,9	7,9	7,9	7,9	7,8	7,9	7,8	7,3	7,2	7,3
A2B3	7,9	7,9	7,9	7,9	7,8	7,9	7,8	7,3	7,5	7,3
A3B1	7,9	7,9	7,9	7,9	7,8	8,0	7,8	7,4	7,3	7,3
A3B2	7,9	7,9	7,9	7,9	7,8	8,0	7,8	7,3	7,4	7,4
A3B3	7,9	7,9	7,9	7,9	7,8	7,9	7,8	7,4	7,4	7,4
A4B1	7,9	7,9	7,9	7,9	7,8	7,8	7,8	7,3	7,2	7,2
A4B2	7,9	7,9	8,0	7,9	7,8	7,8	7,8	7,2	7,3	7,0
A4B3	7,9	7,9	8,0	7,9	7,8	7,9	7,8	7,1	7,2	7,3
A5B1	7,9	8,0	8,0	7,9	7,8	7,9	7,8	7,2	7,0	7,0
A5B2	7,9	8,0	8,0	7,9	7,8	7,9	7,8	7,2	7,1	7,2
A5B3	7,9	8.0	8,0	7,9	7,8	7,9	7,7	7,2	7,1	7,2

Tabel 09. DO Rata-rata pada Masing-masing Perlakuan

Perlakuan	Hari ke-									
	1	2	3	4	5	6	7	8	9	10
A1B1	6,1	6	6	6,1	6	6	6,6	6,3	6,2	6
A1B2	5,8	6	6	5,8	5,7	6,6	6,3	6	6	6,2
A1B3	5,6	6,1	6	6,1	6	5,8	6	5,9	6	5,8
A2B1	6	6,2	6	5,8	5,9	5,7	6	6	5,8	5,7
A2B2	6	6	6,1	6	5,8	5,5	6,2	6	6	6
A2B3	5,9	6	6	5	5,7	5,5	6,1	5,6	5,8	6,3
A3B1	5,8	6	6	5,8	5,8	5,7	6	5,7	6	6,3
A3B2	5,8	6,1	6	5,7	5,6	5,5	5,8	5,6	5,7	6,2
A3B3	6	6	6	5,8	5,9	6	6	5,9	6	6
A4B1	5,9	6,2	6,1	5,7	5,8	6	6	6	5,9	5,8
A4B2	6	6	6	5,5	5,6	5,6	5,7	6	5,8	5,6
A4B3	6	6	6,2	6	5,8	5,7	5,6	5,8	5,9	6
A5B1	6	6,2	6	6	6	6	5,5	6	6	5,9,
A5B2	5,8	6	6	6	5,8	6	6	5,9	5,8	5,7
A5B3	5,9	6,1	6,2	5,8	6	5,5	5,5	5,9	6	5,8

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Tabel 10. Data NH_3 (mg/l) Awal dan Akhir Penelitian.

NH_3 pada Awal Penelitian sebesar: 0,0612

Perlakuan	Akhir
A1B1	0,0110
A1B2	0,0225
A1B3	0,0319
A2B1	0,0294
A2B2	0,0274
A2B3	0,0477
A3B1	0,0252
A3B2	0,0333
A3B3	0,0518
A4B1	0,0286
A4B2	0,0298
A4B3	0,0558
A5B1	0,0249
A5B2	0,0404
A5B3	0,1051

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Pemeriksaan di Laboratorium Kimia Air.

Jenis air : Air Laut
Asal Sample : Semarang
Jenis Pem. : **Par.Permintaan.**
No.Lab/ Kode :
9449 s/d 9464 K. sampel air laut kode A s/d P.

Dikirim/diambil : LINA ARI SUHARYANI
Mhs.Fak.MIPA Biologi UNDIP Semarang.
Diambil/diterima : 21 / 22 Desember 2000

No.lab Kode	Hasil Analisa Amonia (NH_4-N) mg/l
9449 K	0,0612
9450 K	0,0110
9451 K	0,0225
9452 K	0,0319
9453 K	0,0294
9454 K	0,0274
9455 K	0,0477
9456 K	0,0252
9457 K	0,0333
9458 K	0,0518
9459 K	0,0286
9460 K	0,0298
9461 K	0,0558
9462 K	0,0249
9463 K	0,0404
9464 K	0,1051

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