

LAMPIRAN

LAMPIRAN 1**ANALISIS VARIANS SEHALA UNTUK KONDUKTIVITI BAGI TAHUN
1993 One-Way Analysis of Variance**

DATA93.konduktivi

codes: DATA93.tapak

3:

test: Conf. Int. Confidence level: 95

Analysis of variance

Source of variation	Sum of Squares	d.f.	Mean square	F-ratio	Sig.
Between groups	21853.165	11	1986.6513	35.035	.000
Within groups	6124.140	108	56.7050		
(corrected)	27977.305	119			

No value(s) have been excluded.

LAMPIRAN 2**ANALISIS VARIANS SEHALA UNTUK HALAJU AIR BAGI TAHUN
1993**

One-Way Analysis of Variance

DATA93.halaju

1 codes: DATA93.tapak

ls:

e test: Conf. Int. Confidence level: 95.

Analysis of variance

Variance source	Sum of Squares	d.f.	Mean square	F-ratio	Sig.
Between groups	785.2729	11	71.388444	7.085	
Within groups	1088.1429	108	10.075397		
(corrected)	1873.4158	119			

Missing value(s) have been excluded.

LAMPIRAN 3**ANALISIS VARIANS SEHALA UNTUK OKSIGEN TERLARUT BAGI
TAHUN 1993 One-Way Analysis of Variance**

: DATA93.oksigen

1 codes: DATA93.tapak

ls:

e test: Conf. Int. Confidence level: 95

Analysis of variance

Type of variation	Sum of Squares	d.f.	Mean square	F-ratio	Sig.
Between groups	79.790410	11	7.2536736	93.546	
Within groups	8.374440	108	.0775411		
(corrected)	88.164850	119			

sing value(s) have been excluded.

LAMPIRAN 4**ANALISIS VARIANS SEHALA UNTUK pH AIR BAGI TAHUN 1993**

One-Way Analysis of Variance

DATA93 .pH

codes: DATA93.tapak

s:

test: Conf. Int. Confidence level: 95

Analysis of variance

Type of variation	Sum of Squares	d.f.	Mean square	F-ratio	Sig.
Between groups	24.241849	11	2.2038045	50.145	
Within groups	4.746410	108	.0439482		
(corrected)	28.988259	119			

sing value(s) have been excluded.

LAMPIRAN 5**ANALISI VARIANS SEHALA UNTUK SUHU PERMUKAAN AIR BAGI
TAHUN 1993 One-Way Analysis of Variance**

DATA93.suhu

codes: DATA93.tapak

S:

test: Conf. Int. Confidence level: 95

Analysis of variance

Type of variation	Sum of Squares	d.f.	Mean square	F-ratio	Sig.
Between groups	354.79692	11	32.254265	999.999	
Within groups	3.23900	108	.029991		
Total (corrected)	358.03592	119			

Missing value(s) have been excluded.

ANALISIS VARIANS SEHALA UNTUK KONDUKTIVITI BAGI TAHUN
1994 One-Way Analysis of Variance

DATA94.konduktivi

codes: DATA94.tapak

3:

test: Conf. Int. Confidence level: 95

Analysis of variance

Source of variation	Sum of Squares	d.f.	Mean square	F-ratio	Sig.
Between groups	50393.200	11	4581.2000	189.509	.000
Within groups	2610.800	108	24.1741		
(corrected)	53004.000	119			

No missing value(s) have been excluded.

LAMPIRAN 7**ANALISIS VARIANS SEHALA UNTUK HALAJU AIR BAGI TAHUN
1994**

One-Way Analysis of Variance

DATA94.halaju

codes: DATA94.tapak

3:

test: Conf. Int. Confidence level: 95

Analysis of variance

Type of variation	Sum of Squares	d.f.	Mean square	F-ratio	Sig.
Between groups	1363.982	11	123.99832	.862	.51
Within groups	15535.316	108	143.84552		
(corrected)	16899.298	119			

No value(s) have been excluded.

LAMPIRAN 8**ANALISIS VARIANS SEHALA UNTUK OKSIGEN TERLARUT BAGI
TAHUN 1994 One-Way Analysis of Variance**

: DATA94.oksigen

el codes: DATA94.tapak

ls:

e test: Conf. Int. Confidence level: 95

Analysis of variance

Variance source	Sum of Squares	d.f.	Mean square	F-ratio	Sig.
Between groups	69.453469	11	6.3139517	154.439	
Within groups	4.415390	108	.0408832		
Total (corrected)	73.868859	119			

ssing value(s) have been excluded.

ANALISIS VARIANS SEHALA UNTUK pH AIR BAGI TAHUN 1994

One-Way Analysis of Variance

DATA94.pH

codes: DATA94.tapak

s:

test: Conf. Int. Confidence level: 95

Analysis of variance

Source of variation	Sum of Squares	d.f.	Mean square	F-ratio	Sig.
Between groups	8.0599692	11	.7327245	23.977	
Within groups	3.3004300	108	.0305595		
(corrected)	11.360399	119			

No sing value(s) have been excluded.

ANALISI VARIANS SEHALA UNTUK SUHU PERMUKAAN AIR BAGI
TAHUN 1994

One-Way Analysis of Variance

DATA94.suhu

codes: DATA94.tapak

s:

test: Conf. Int. Confidence level: 95

Analysis of variance

Source of variation	Sum of Squares	d.f.	Mean square	F-ratio	Sig.
Between groups	26.422667	11	2.4020606	125.204	
Within groups	2.072000	108	.0191852		
(corrected)	28.494667	119			

No sing value(s) have been excluded.

LAMPIRAN 12
ANALISIS SHANNON-WEINER BAGI TAHUN 1994

1994 shanwei

tapak1

ln

0.033784 -3.38777 -0.11445
0.824324 -0.19319 -0.15925
0.141892 -1.95269 -0.27707
-0.55077

tapak2

0.005682 -5.17048 -0.02938
0.721591 -0.3263 -0.23545
0.272727 -1.29928 -0.35435
-0.61918

tapak3

0.466887 -0.76167 -0.35561
0.533113 -0.62902 -0.33534
-0.69095

tapak4

0.008475 -4.77068 -0.04043
0.008475 -4.77058 -0.04043
0.538136 -0.61964 -0.33345
0.444915 -0.80987 -0.36032
-0.77464

tapak5

0.033333 -3.4012 -0.11337
0.733333 -0.31015 -0.22745
0.2 -1.60944 -0.32189
0.033333 -3.4012 -0.11337
-0.77608

tapak6

0.014184 -4.25561 -0.06036
0.900709 -0.10457 -0.09419
0.007092 -0.94876 -0.0551
0.035461 -3.33932 -0.11842
0.049645 -3.00285 -0.14908
-0.45714

tapak7

0.003937 -5.53733 -0.0218
0.007874 -4.84419 -0.03814
0.003937 -5.53733 -0.0218
0.019685 -3.9279 -0.07732
0.728346 -0.31698 -0.23087
0.027559 -3.59142 -0.09898
0.208661 -1.56704 -0.32698
-0.81589

tapak8
0.020833 -3.8712 -0.08065
0.005208 -5.2575 -0.02738
0.005208 -5.2575 -0.02738
0.401042 -0.91369 -0.36643
0.15625 -1.8563 -0.29005
0.026042 -3.64806 -0.095
0.098958 -2.31306 -0.2289
0.286458 -1.25016 -0.35812
-1.47391

tapak9
0.037037 -3.29584 -0.12207
0.222222 -1.50408 -0.33424
0.259259 -1.34993 -0.34998
0.444444 -0.81093 -0.36041
0.037037 -3.29584 -0.12207
-1.28877

tapak10
0.044444 -3.11352 -0.13838
0.111111 -2.19722 -0.24414
0.022222 -3.80666 -0.08459
0.066667 -2.70805 -0.18054
0.155556 -1.86075 -0.28945
0.088889 -2.42037 -0.21514
0.155556 -1.86075 -0.28945
0.066667 -2.70805 -0.18054
0.022222 -3.80666 -0.08459
0.266667 -1.32176 -0.35247
-2.05929

tapak11
0.047619 -3.04452 -0.14498
0.095238 -2.35138 -0.22394
0.071429 -2.63906 -0.1885
0.357143 -1.02962 -0.36772
0.095238 -2.35138 -0.22394
0.190476 -1.65823 -0.31585
0.119048 -2.12823 -0.25336
0.02381 -3.73767 -0.08899
-1.80729

tapak12
0.071429 -2.63906 -0.1885
0.095238 -2.35138 -0.22394
0.142857 -1.94591 -0.27799
0.154762 -1.86587 -0.28877
0.059524 -2.82138 -0.16794
0.154762 -1.86587 -0.28877
0.166667 -1.79176 -0.29863
0.02381 -3.73767 -0.08899
0.011905 -4.43082 -0.05275
0.071429 -2.63906 -0.1885
0.047619 -3.04452 -0.14498
-2.20975

LAMPIRAN 11

ANALISIS SHANNON-WEINER BAGI TAHUN 1993

1993 shanwei

tapak1

0.00692 -4.97328 -0.03442
0.719723 -0.32889 -0.23671
0.273356 -1.29698 -0.35454
-0.62566

tapak2

0.024845 -3.69511 -0.0918
0.801242 -0.22159 -0.17755
0.173913 -1.7492 -0.30421
-0.57356

tapak3

0.371622 -0.98988 -0.36786
0.628378 -0.46461 -0.29195
-0.65981

tapak4

0.048309 -3.03013 -0.14638
0.009662 -4.63957 -0.04483
0.391304 -0.93827 -0.36715
0.531401 -0.63224 -0.33597
0.019324 -3.94642 -0.07626
-0.97059

tapak5

0.026549 -3.62878 -0.09634
0.460177 -0.77614 -0.35716
0.495575 -0.70204 -0.34791
0.017699 -4.03424 -0.0714
-0.87282

tapak6

0.005181 -5.26269 -0.02727
0.005181 -5.26269 -0.02727
0.005181 -5.26269 -0.02727
0.005181 -5.26269 -0.02727
0.891192 -0.1152 -0.10266
0.020725 -3.8764 -0.08034
0.010363 -4.56954 -0.04735
0.051813 -2.96011 -0.15337
-0.52007

tapak7

0.008086 -4.81759 -0.03896
0.005391 -5.22305 -0.02816
0.008086 -4.81759 -0.03896
0.622642 -0.47378 -0.295
0.156334 -1.85576 -0.29012
0.183288 -1.67669 -0.31098
0.010782 -4.52991 -0.04884
0.013477 -4.30676 -0.05084
-1.10905

tapak8
0.765766 -0.26688 -0.20437
0.216216 -1.53148 -0.33113
0.018018 -4.01638 -0.07237
-0.60786

tapak9
0.029851 -3.51155 -0.10482
0.037313 -3.2884 -0.1227
0.022388 -3.79923 -0.08506
0.11194 -2.18979 -0.24513
0.029851 -3.51155 -0.10482
0.492537 -0.70819 -0.34881
0.231343 -1.46385 -0.33865
0.044776 -3.10608 -0.13908
-1.48907

tapak10
0.034884 -3.35574 -0.11706
0.186047 -1.68176 -0.31289
0.023256 -3.7612 -0.08747
0.046512 -3.06805 -0.1427
0.697674 -0.36 -0.25116
0.011628 -4.45435 -0.05179
-0.96308

tapak11
0.216 -1.53248 -0.33102
0.008 -4.82831 -0.03863
0.008 -4.82831 -0.03863
0.048 -3.03655 -0.14575
0.248 -1.37433 -0.34579
0.056 -2.8824 -0.16141
0.416 -0.87707 -0.36486
-1.42609

tapak12
0.036585 -3.30811 -0.12103
0.003049 -5.79301 -0.01766
0.118902 -2.12945 -0.2532
0.035357 -3.39512 -0.11386
0.07622 -2.57414 -0.1962
0.021341 -3.8471 -0.0821
0.20122 -1.60336 -0.32263
0.396341 -0.92548 -0.36681
0.003049 -5.79301 -0.01766
0.003049 -5.79301 -0.01766
0.045732 -3.08496 -0.14108
0.060976 -2.79728 -0.17057
-1.82045

LAMPIRAN 13
ANALISIS KESAMAAN SCHOENER BAGI TAHUN 1993

Kesamaan Schoener 1993

d12

0.00692 0.024845 -0.01792 0.01792
0.719723 0.801242 -0.08152 0.08152
0.273356 0.173913 0.099443 0.099443
0.198083 0.079442 0.900559

d13

0.719723 0.371622 0.348102 0.348102
0.273356 0.628378 -0.35502 0.35502
0.703122 0.351561 0.648439

d14

0.00692 0.009662 -0.00274 0.00274
0.719723 0.391304 0.328419 0.328419
0.273356 0.531401 -0.25804 0.25804
0.586459 0.29323 0.706771

d15

0.00692 0.026549 -0.01963 0.01963
0.719723 0.460177 0.259546 0.259546
0.273356 0.495575 -0.22222 0.22222
0.481766 0.240883 0.759117

d16

0.00692 0.005181 0.001739 0.001739
0.719723 0.005181 0.714542 0.714542
0.273356 0.891192 -0.61784 0.61784
1.332382 0.666191 0.333809

d17

0.719723 0.009086 0.711637 0.711637
0.273356 0.622642 -0.34929 0.34929
1.060927 0.530464 0.469537

d18

0.273356 0.765766 -0.49241 0.49241 0.246205 0.753775

d19

0.719723 0.111174 0.607783
0.273356 0.029951 0.243505
0.851287 0.425644 0.574356

d10

0.719723 0.046512 0.673212 0.336606 0.663394

d11

0.719723 0.048 0.671723
0.273356 0.248 0.025356
0.69708 0.34854 0.65146

d12

0.273356 0.021341 0.252015
0.00692 0.003049 0.003872
0.719723 0.033537 0.686187
0.690058 0.345029 0.654971

d13

0.801242 0.371622 0.429621 0.429621
0.173913 0.628378 -0.45447 0.45447
0.884091 0.442046 0.557955

d24

0.024845 0.009662 0.015183 0.015183
0.801242 0.391304 0.409938 0.409938
0.173913 0.531401 -0.35749 0.35749
0.767428 0.383714 0.616286

d25

0.024845 0.026549 -0.0017 0.0017
0.801242 0.460177 0.341065 0.341065
0.173913 0.495575 -0.32166 0.32166
0.652725 0.331363 0.668638

d26

0.024845 0.005181 0.019663 0.019663
0.801242 0.005181 0.796061 0.796061
0.173913 0.891192 -0.71728 0.71728
1.513341 0.756671 0.24333

d27

0.801242 0.008086 0.793156 0.793156
0.173913 0.622642 -0.44873 0.44873
1.241886 0.620943 0.379057

d28

0.173913 0.765766 -0.59185 0.59185 0.295925 0.704075

d29

0.801242 0.11174 0.689302
0.173913 0.029851 0.144062
0.833364 0.116682 0.583318

d210

0.801242 0.046512 0.754731 0.377365 0.622635

d211

0.801242 0.048 0.753242 0.753242
0.173913 0.248 -0.07409 0.07409
0.827332 0.413666 0.586334

d212

0.012422 0.003049 0.009374
1.291925 0.033537 1.258389
0.173913 0.021341 0.152572
1.41096 0.70548 0.29452

d23

0.801242 0.371622 0.429621 0.429621
0.173913 0.628378 -0.45447 0.45447
0.884091 0.442046 0.557955

d24

0.024845 0.007662 0.015183 0.015183
0.801242 0.391304 0.409938 0.409938
0.173913 0.531401 -0.35749 0.35749
0.767428 0.383714 0.616286

d25
0.024045 0.026549 -0.0017 0.0017
0.801242 0.460177 0.341065 0.341065
0.173913 0.495575 -0.32166 0.32166
0.662725 0.331363 0.668638

d26
0.024045 0.005181 0.019663 0.019663
0.801242 0.005181 0.796061 0.796061
0.173913 0.891192 -0.71728 0.71728
1.513341 0.756671 0.24333

d27
0.801242 0.008086 0.793156 0.793156
0.173913 0.622642 -0.44873 0.44873
1.241886 0.620943 0.379057

d28
0.173913 0.765766 -0.59185 0.59185 0.295925 0.704075

d29
0.801242 0.11194 0.689302
0.173913 0.029851 0.144062
0.833364 0.416682 0.583318

d210
0.801242 0.046512 0.754731 0.377355 0.622635

d211
0.801242 0.048 0.753242 0.753242
0.173913 0.248 -0.07409 0.07409
0.827332 0.413666 0.586334

d212
0.012422 0.003049 0.009374
1.291925 0.033537 1.258389
0.173913 0.021341 0.152572
1.41096 0.70548 0.29452

d34
0.371622 0.391304 -0.01968 0.01968
0.628378 0.531401 0.096977 0.096977
0.116657 0.058329 0.941672

d35
0.371622 0.460177 -0.08856 0.08856
0.628378 0.495575 0.132803 0.132903
0.221363 0.110682 0.889319

d36
0.371622 0.005181 0.36644 0.36644
0.628378 0.891192 -0.26281 0.26281
0.62925 0.314625 0.685375

d37
0.371622 0.008086 0.363535
0.628378 0.622642 0.005737
0.369272 0.184636 0.815364

d38
0.628378 0.765766 -0.13739 0.13739 0.068675 0.931305

d39
0.371622 0.11194 0.259681
0.628378 0.029851 0.598528
0.858209 0.429104 0.570896

d310
0.371622 0.046512 0.32511 0.162555 0.837445

d311
0.371622 0.048 0.323622
0.628378 0.248 0.389378
0.704 0.352 0.648

d312
0.371622 0.033537 0.338085
0.628378 0.021341 0.607037
0.945122 0.472561 0.527439

d45
0.009662 0.026549 -0.01689 0.01689
0.391304 0.460177 -0.06887 0.06887
0.531401 0.495575 0.035826 0.035826
0.019324 0.017679 0.001625 0.001625
0.037451 0.018726 0.981275

d46
0.048309 0.005181 0.043128 0.043128
0.009662 0.005181 0.00448 0.00448
0.391304 0.005181 0.386123 0.386123
0.531401 0.891192 -0.35979 0.35979
0.019324 0.020725 -0.0014 0.0014
0.36119 0.180575 0.819405

d47
0.048309 0.008086 0.040223 0.040223
0.391304 0.008086 0.383218 0.383218
0.531401 0.622642 -0.09124 0.09124
0.019324 0.156334 -0.13701 0.13701
0.22825 0.114125 0.885875

d48
0.531401 0.765766 -0.23436 0.23436 0.11718 0.88282

d49
0.048309 0.029851 0.018458 0.018458
0.391304 0.11194 0.279764 0.279764
0.531401 0.029851 0.50155 0.50155
0.019324 0.492537 -0.47321 0.47321
0.97476 0.48738 0.51262

d410
0.391304 0.046512 0.344793 0.172396 0.827604

d411
0.391304 0.048 0.343304
0.531401 0.248 0.283401
0.626705 0.313333 0.686647

d412

0.009662 0.003049 0.006613 0.006613
0.391304 0.033537 0.357768 0.357768
0.531401 0.021341 0.51006 0.51006
0.019324 0.20122 -0.1819 0.1819
0.69196 0.34598 0.65402

d56

0.026549 0.005181 0.021367 0.021367
0.460177 0.005181 0.454996 0.454996
0.495575 0.891192 -0.39562 0.39562
0.017699 0.020725 -0.00303 0.00303
0.39865 0.199325 0.800675

d57

0.460177 0.008086 0.452091 0.452091
0.495575 0.622642 -0.12707 0.12707
0.017699 0.156334 -0.13864 0.13864
0.26571 0.132855 0.867145

d58

0.495575 0.765766 -0.27019 0.27019 0.135095 0.864905

d59

0.460177 0.111194 0.348237 0.348237
0.495575 0.029851 0.465724 0.465724
0.017699 0.492537 -0.47484 0.47484
0.940564 0.470282 0.529718

d510

0.460177 0.046512 0.413665 0.206833 0.793157

d511

0.460177 0.048 0.412177
0.495575 0.248 0.247575
0.659752 0.329876 0.670124

d512

0.026549 0.003049 0.0235 0.0235
0.460177 0.033537 0.42664 0.42664
0.495575 0.021341 0.474234 0.474234
0.017699 0.20122 -0.18352 0.18352
0.657754 0.328877 0.671123

d67

0.005181 0.008086 -0.0029 0.0029
0.005181 0.005391 -0.00021 0.00021
0.005181 0.008086 -0.0029 0.0029
0.891192 0.622642 0.26855 0.26855
0.020725 0.156334 -0.13561 0.13561
0.010363 0.175202 -0.16484 0.16484
0.051813 0.010782 0.041032 0.041032
0.205872 0.102936 0.897064

d68
0.891192 0.765766 0.125426 0.125426
0.010363 0.216216 -0.20585 0.20585
0.051813 0.018018 0.033795 0.033795
0.239645 0.119823 0.880178

d69
0.005181 0.029851 -0.02467 0.02467
0.005181 0.11194 -0.10676 0.10676
0.891192 0.029851 0.861341 0.861341
0.020725 0.492537 -0.47181 0.47181
0.010363 0.231343 -0.22098 0.22098
0.69279 0.346375 0.653605

d610
0.005181 0.046512 -0.04133 0.04133
0.010363 0.697674 -0.68731 0.68731
0.72864 0.36432 0.63568

d611
0.005181 0.008 -0.00282 0.00282
0.005181 0.048 -0.04282 0.04282
0.891192 0.248 0.643192 0.643192
0.010363 0.416 -0.40564 0.40564
1.048832 0.524416 0.475584

d612
0.005181 0.036585 -0.0314 0.0314
0.005181 0.005049 0.002133 0.002133
0.005181 0.033537 -0.02836 0.02836
0.891192 0.021341 0.86985 0.86985
0.020725 0.20122 -0.18049 0.18049
0.051813 0.045732 0.006082 0.006082
0.186572 0.093285 0.906714

d68
0.622642 0.765766 -0.14312 0.14312
0.175202 0.216216 -0.04101 0.04101
0.010782 0.018018 -0.00724 0.00724
0.04825 0.024125 0.975875

d79
0.008086 0.029851 -0.02176 0.02176
0.008086 0.11194 -0.10385 0.10385
0.622642 0.029851 0.592791 0.592791
0.156334 0.492537 -0.3362 0.3362
0.175202 0.231343 -0.05614 0.05614
0.39234 0.19617 0.80393

d710
0.008086 0.046512 -0.03843 0.03843
0.175202 0.697674 -0.52247 0.52247
0.5609 0.28045 0.71955

d711
0.005391 0.008 -0.00261 0.00261
0.008086 0.048 -0.03991 0.03991
0.622642 0.248 0.374642 0.374642
0.175202 0.416 -0.2408 0.2408
0.615442 0.307721 0.692279

d712

0.008086 0.033537 -0.02545 0.02545
0.622642 0.021341 0.6013 0.6013
0.156334 0.20122 -0.04489 0.04489
0.010782 0.045732 -0.03495 0.03495
0.07984 0.03972 0.96008

d89

0.765766 0.029851 0.735915 0.735915
0.216216 0.231343 -0.01513 0.01513
0.751045 0.375523 0.624478

d810

0.216216 0.697674 -0.48146 0.48146 0.24073 0.75927

d811

0.765766 0.248 0.517766 0.517766
0.216216 0.416 -0.19978 0.19978
0.717546 0.358773 0.641227

d812

0.765766 0.021341 0.744424 0.744424
0.018018 0.045732 -0.02771 0.02771
0.772134 0.386067 0.613933

d910

0.11194 0.046512 0.065429 0.065429
0.231343 0.697674 -0.46633 0.46633
0.044776 0.011628 0.033148 0.033148
0.499478 0.249739 0.750261

d911

0.11194 0.048 0.06394 0.06394
0.029851 0.248 -0.21815 0.21815
0.231343 0.416 -0.18466 0.18466
0.40281 0.201405 0.798595

d912

0.11194 0.033537 0.078404
0.029851 0.021341 0.008509
0.492537 0.20122 0.291318
0.299827 0.149914 0.850086

d1011

0.186047 0.216 -0.02995 0.02995
0.046512 0.048 -0.00149 0.00149
0.697674 0.416 0.281674 0.281674
0.283164 0.141582 0.858418

d1012

0.046512 0.033537 0.012975 0.006488 0.993512

d1112

0.048 0.033537 0.014463
0.248 0.021341 0.226659
0.241122 0.120561 0.879439

LAMPIRAN 14
ANALISIS KESAMAAN SCHOENER BAGI TAHUN 1994

Kesamaan Schoener 1994

d12

0.033784 0.005682 0.028102 0.029102
0.824324 0.721591 0.102733 0.102733
0.141892 0.272727 -0.13084 0.15084
0.261675 0.130838 0.869163

d13

0.824324 0.466887 0.357437 0.357437
0.141892 0.533113 -0.39122 0.39122
0.748557 0.374329 0.625672

d14

0.033784 0.008475 0.025309 0.025309
0.824324 0.538136 0.286189 0.286189
0.182432 0.444915 -0.26248 0.26248
0.573978 0.286987 0.713011

d15

0.824324 0.156028 0.668296
0.141892 0.042553 0.099339
0.767635 0.383817 0.616183

d16

0.141892 0.900709 -0.75882 0.75882 0.37941 0.62057

d17

0.824324 0.019585 0.804639 0.804639
0.141892 0.728346 -0.58645 0.58645
1.391089 0.695545 0.304455

d18

0.141892 0.401042 -0.25915 0.25915 0.129575 0.870425

d19

0.033784 0.037037 -0.00325 0.00325 0.001625 0.998375

d110

0.141892 0.155556 -0.01366 0.01366 0.00683 0.99317

d111

0.141892 0.357143 -0.21525 0.21525 0.107625 0.892375

d112

0.824324 0.142857 0.681467
0.141892 0.059524 0.082368
0.763835 0.381918 0.618082

d23

0.721591 0.466887 0.254703 0.254703
0.272727 0.533113 -0.26039 0.26039
0.515093 0.257547 0.742454

d24

0.005682 0.008475 -0.00279 0.00279
0.721591 0.538136 0.183455 0.183455
0.272727 0.444915 -0.17219 0.17219
0.358435 0.179218 0.820783

d25

0.721591 0.733333 -0.01174 0.01174
0.272727 0.2 0.072727 0.072727
0.084467 0.042234 0.957767

d26

0.272727 0.900709 -0.62798 0.62798 0.31399 0.68601

d27

0.721591 0.019685 0.701906 0.701905
0.272727 0.728346 -0.45562 0.45562
1.157526 0.578763 0.421237

d28

0.272727 0.401042 -0.12831 0.12831 0.064155 0.935845

d29

0.005682 0.037037 -0.03136 0.03136 0.01568 0.98432

d210

0.272727 0.155556 0.117172 0.058586 0.941414

d211

0.272727 0.357143 -0.08442 0.08442 0.04221 0.95779

d212

0.721591 0.142857 0.578734
0.272727 0.059524 0.213203
0.791937 0.395969 0.604031

d34

0.466887 0.538136 -0.07125 0.07125
0.533113 0.444915 0.088197 0.088197
0.159447 0.079724 0.920277

d35

0.466887 0.733333 -0.26645 0.26645
0.533113 0.2 0.333113 0.333113
0.599563 0.299782 0.700219

d36

0.533113 0.900709 -0.3676 0.3676 0.1838 0.8162

d37

0.466887 0.019685 0.447202 0.447202
0.533113 0.728346 -0.19523 0.19523
0.642432 0.321216 0.678784

d38

0.533113 0.401042 0.132071 0.066035 0.933965

d39

0 0 0 0 1

d310
0.533113 0.155556 0.377557 0.188779 0.811221

d311
0.533113 0.357143 -0.17597 0.087985 0.912015

d312
0.466887 0.142857 0.32403
0.533113 0.059524 0.473589
0.797619 0.39381 0.60119

d45
0.538136 0.733333 -0.1952 0.1952
0.444915 0.2 0.244915 0.244915
0.440115 0.220058 0.779843

d46
0.444915 0.900709 -0.45579 0.45579 0.227895 0.772105

d47
0.008475 0.007874 0.000601 0.000601
0.538136 0.019685 0.518451 0.518451
0.444915 0.728346 -0.28343 0.28343
0.802482 0.401241 0.598759

d48
0.444915 0.401042 0.043874 0.021937 0.978063

d49
0.008475 0.037037 -0.02856 0.02856 0.01428 0.98572

d410
0.444915 0.155556 0.28936 0.14468 0.85532

d411
0.444915 0.357143 0.087772 0.043886 0.956114

d412
0.538136 0.142857 0.395278
0.444915 0.059524 0.385591
0.78067 0.390335 0.609665

d56
0.2 0.900709 -0.70071 0.70071
0.033333 0.049645 -0.01631 0.01631
0.71702 0.35851 0.64149

d57
0.033333 0.003937 0.029396 0.029396
0.733333 0.019685 0.713648 0.713648
0.2 0.728346 -0.52835 0.52835
0.033333 0.208661 -0.17533 0.17533
1.417328 0.708664 0.291336

d58
0.033333 0.005208 0.028125 0.028125
0.2 0.401042 -0.20104 0.20104
0.033333 0.286458 -0.25313 0.25313
0.482295 0.241148 0.758853
d59
0.033333 0.222222 -0.18889 0.18889 0.094445 0.905555
d510
0.033333 0.022222 0.011111 0.011111
0.2 0.155556 0.044444 0.044444
0.033333 0.266667 -0.23333 0.23333
0.288885 0.144443 0.855558
d511
0.033333 0.095238 -0.0619 0.0619
0.2 0.357143 -0.15714 0.15714
0.033333 0.02381 0.009524 0.009524
0.228564 0.114282 0.885718
d512
0.733333 0.142857 0.590476 0.590476
0.2 0.059524 0.140476 0.140476
0.033333 0.071429 -0.0381 0.0381
0.769052 0.384526 0.615474
d57
0.014184 0.003937 0.010247 0.010247
0.900709 0.728346 0.172363 0.172363
0.007092 0.027559 -0.02047 0.02047
0.049645 0.208661 -0.15902 0.15902
0.351853 0.175927 0.824074
d68
0.014184 0.020833 -0.00665 0.00665
0.900709 0.401042 0.499668 0.499668
0.007092 0.15625 -0.14916 0.14916
0.049645 0.286458 -0.23681 0.23681
0.885638 0.442819 0.557181
d69
0.007092 0.259259 -0.25217 0.25217
0.035461 0.444444 -0.40898 0.40898
0.66115 0.330575 0.669425
d610
0.900709 0.155556 0.745154 0.745154
0.007092 0.088889 -0.0818 0.0818
0.035461 0.022222 0.013239 0.013239
0.049645 0.266667 -0.21702 0.21702
0.312059 0.15603 0.843971
d611
0.900709 0.357143 0.543566 0.543566
0.007092 0.095238 -0.08815 0.08815
0.035461 0.117048 -0.08359 0.08359
0.049645 0.02381 0.025836 0.025836
0.197576 0.098788 0.901212

d612
0.014184 0.071429 -0.05724 0.05724
0.990709 0.059524 0.841185 0.841185
0.007092 0.154762 -0.14767 0.14767
0.049645 0.071429 -0.02178 0.02178
1.010635 0.505318 0.494683

d78
0.003937 0.020833 -0.0169 0.0169
0.003937 0.005208 -0.00127 0.00127
0.728346 0.401042 0.327305 0.327305
0.027559 0.15625 -0.12869 0.12869
0.208661 0.286458 -0.0778 0.0778
0.533795 0.266898 0.733103

d79
0.003937 0.222222 -0.21829 0.21829
0.027559 0.259259 -0.2317 0.2317
0.44999 0.224995 0.775005

d710
0.003937 0.022222 -0.01829 0.01829
0.728346 0.155556 0.572791 0.572791
0.027559 0.088889 -0.06133 0.06133
0.208661 0.266667 -0.05801 0.05801
0.692131 0.346066 0.653935

d711
0.003937 0.095238 -0.0913 0.0913
0.728346 0.357143 0.371204 0.371204
0.027559 0.095238 -0.06768 0.06768
0.208661 0.02381 0.184852 0.184852
0.623736 0.311863 0.688132

d712
0.003937 0.071429 -0.06749 0.06749
0.019685 0.142857 -0.12317 0.12317
0.728346 0.059524 0.668823 0.668823
0.027559 0.154762 -0.1272 0.1272
0.208661 0.071429 0.137233 0.137233
0.733256 0.466628 0.533372

d89
0.005208 0.222222 -0.21701 0.21701
0.15625 0.259259 -0.10301 0.10301
0.32002 0.16001 0.83999

d810
0.005208 0.111111 -0.1059 0.1059
0.005208 0.022222 -0.01701 0.01701
0.401042 0.155556 0.245486 0.245486
0.15625 0.088889 0.067361 0.067361
0.026042 0.155556 -0.12951 0.12951
0.286458 0.266667 0.019792 0.019792
0.215663 0.108332 0.891669

d811
0.005208 0.047619 -0.04241 0.04241
0.005208 0.095238 -0.09003 0.09003
0.401042 0.357143 0.043899 0.043899
0.15625 0.095238 0.061012 0.061012
0.286458 0.02381 0.262649 0.262649
0.36756 0.18378 0.81622

d812
0.020833 0.071429 -0.0506 0.0506
0.401042 0.059524 0.341518 0.341518
0.15625 0.154762 0.001488 0.001488
0.098958 0.166667 -0.06771 0.06771
0.286458 0.071429 0.21503 0.21503
0.284228 0.142114 0.857886

d910
0.222222 0.022222 0.2
0.259259 0.088889 0.17037
0.444444 0.022222 0.422222
0.792593 0.396296 0.603704

d911
0.222222 0.095238 0.126984
0.259259 0.095238 0.164021
0.444444 0.119048 0.325397
0.616402 0.308201 0.691799

d912
0.259259 0.154762 0.104497 0.052249 0.947751

d1011
0.111111 0.047619 0.063492 0.063492
0.022222 0.095238 -0.07302 0.07302
0.155556 0.357143 -0.20159 0.20159
0.088889 0.095238 -0.00635 0.00635
0.066667 0.190476 -0.12381 0.12381
0.022222 0.119048 -0.09683 0.09683
0.266667 0.02381 0.242857 0.242857
0.463497 0.231749 0.769252

d1012
0.066667 0.095238 -0.02857 0.02857
0.155556 0.059524 0.096032 0.096032
0.088889 0.154762 -0.06587 0.06587
0.266667 0.071429 0.195238 0.195238
0.35714 0.17857 0.82143

d1112
0.071429 0.154762 -0.08333 0.08333
0.357143 0.059524 0.297619 0.297619
0.095238 0.154762 -0.05952 0.05952
0.02381 0.071429 -0.04762 0.04762
0.404759 0.20238 0.797621

ANALISIS REGRESI BAGI *Glyptothorax major* (1993 &1994)ression Analysis - Linear model: $Y = a+bX$

endent variable: GM9394.logW

Independent variable: GM9

Parameter	Estimate	Standard Error	T Value	Prob. Level
Intercept	-2.23072	0.0297527	-74.9756	.00000
pe	3.27821	0.0414653	79.0591	.00000

Analysis of Variance

Source	Sum of Squares	Df	Mean Square	F-Ratio	Prob.
Model	15.7641	1	15.7641	6250.336	
Error	.41615	165	.00252		
Total (Corr.)	16.18021	166			

relation Coefficient = 0.987056

R-squared = 97.43 percent

d. Error of Est. = 0.0502207

ANALISIS REGRESI BAGI *Poecilia reticulata* (1993 & 1994)Regression Analysis - Linear model: $Y = a+bX$

Dependent variable: PR9394.logW

Independent variable: P

Parameter	Estimate	Standard Error	T Value	Prob. Level
Intercept	-2.13152	0.0413603	-51.5354	.00000
Slope	3.21235	0.0911242	35.2524	.00000

Analysis of Variance

Source	Sum of Squares	Df	Mean Square	F-Ratio	Prob.
Model	29.5136	1	29.5136	1242.733	
Error	6.05599	255	.02375		
Total (Corr.)	35.56964	256			

Correlation Coefficient = 0.910902

Std. Error of Est. = 0.154107

R-squared = 82.97 percent

ANALISIS REGRESI BAGI *Puntius binotatus* (1993 & 1994)Regression Analysis - Linear model: $Y = a+bX$

Dependent variable: PB9394.logW

Independent variable: PB

Parameter	Estimate	Standard Error	T Value	Prob. Level
Intercept	-2.01375	0.0480691	-41.8929	.00000
Slope	3.13643	0.05698	55.0444	.00000

Analysis of Variance

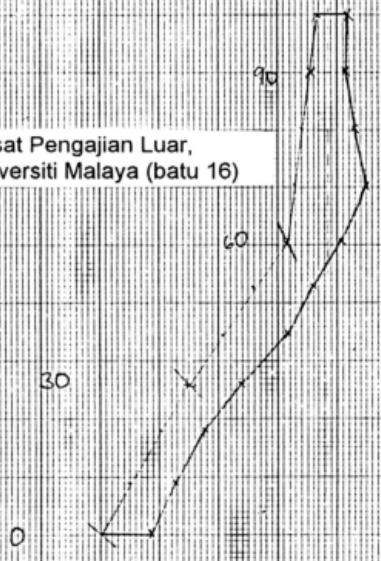
Source	Sum of Squares	Df	Mean Square	F-Ratio	Prob.
Model	24.4689	1	24.4689	3029.889	
Error	2.13202	264	.00808		
Total (Corr.)	26.60089	265			

Correlation Coefficient = 0.959089
Stand. Error of Est. = 0.0898656

R-squared = 91.99 percent

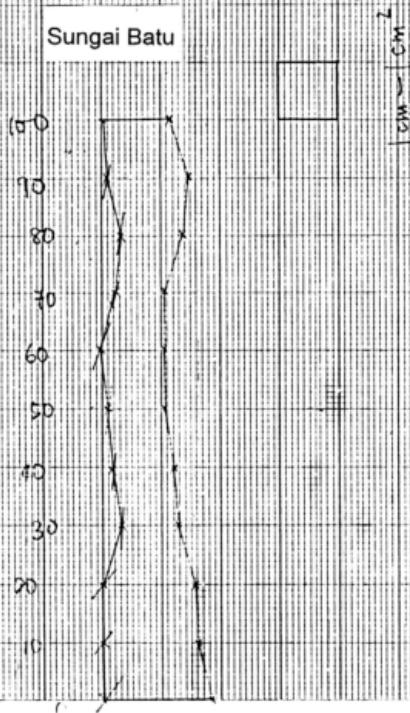
PELAN SUNGAI BAGI TAHUN 1993

Pusat Pengajian Luar,
Universiti Malaya (batu 16)



$$60080 \times 10 = 800 \text{ cm}^2$$

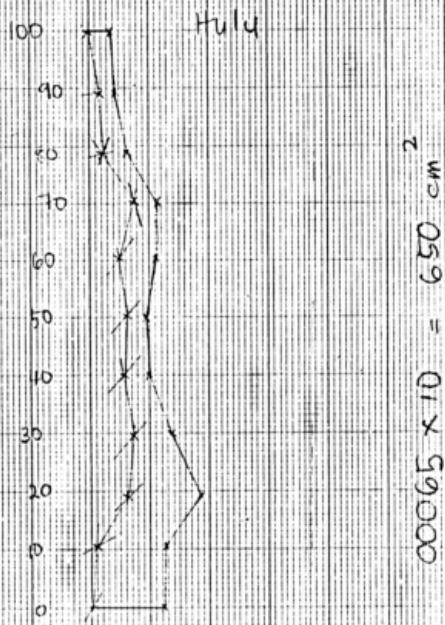
Sungai Batu



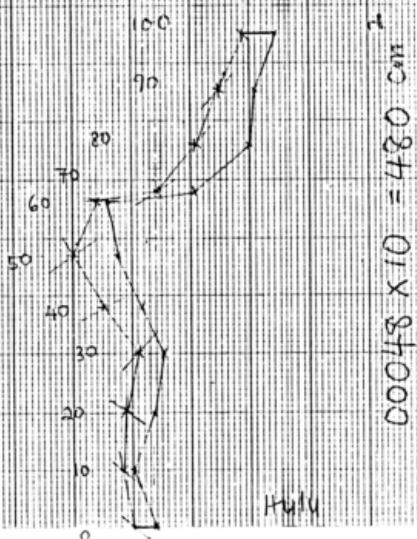
$$50123 \times 10 = 1,230 \text{ cm}^2$$

2
cm

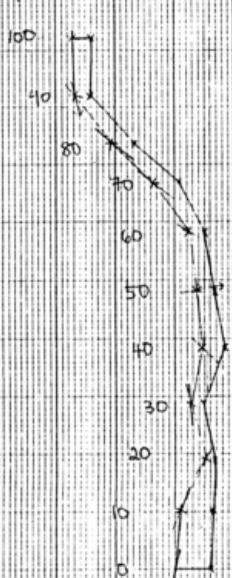
Pokok berangan (batu 16½)



Kuill (batu 19)



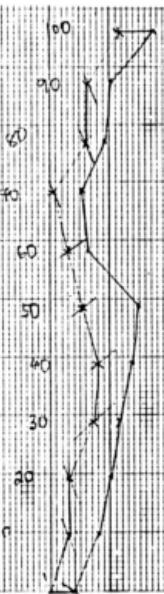
Sungai Ulu Gombak (batu 21)



$$00034 \times 10 = 340 \text{ cm}^2$$

Hulu

Sungai Genting Sempah (batu 21)

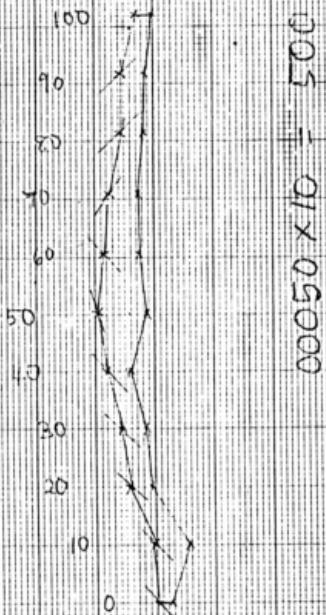


$$00053 \times 10 = 530 \text{ cm}^2$$

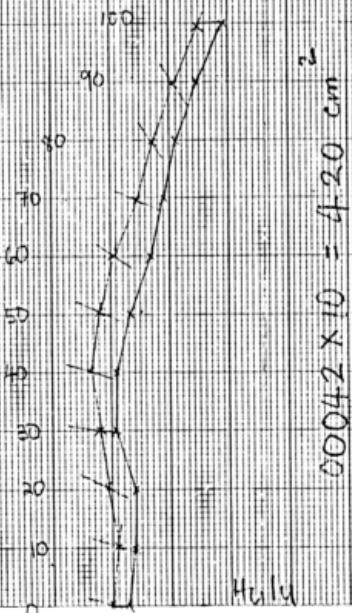
Hulu

m - 10 m

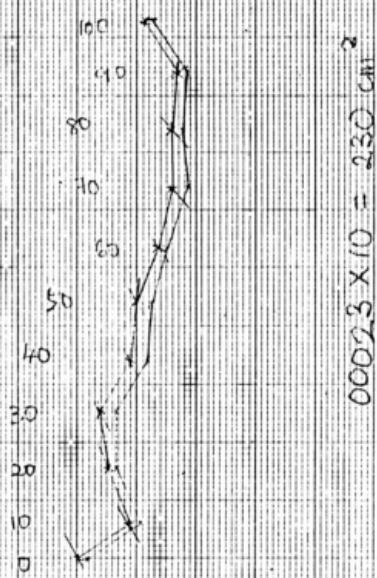
Alang Sedayu (batu 14)



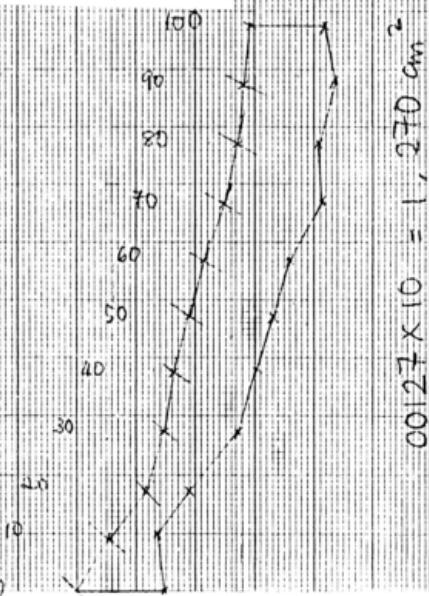
Sungai Rumput (batu 12)



Sungai Pusu (batu 8)

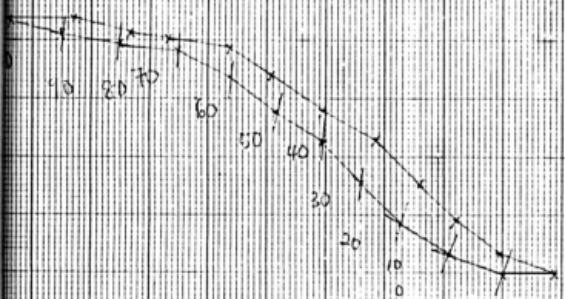


Kampung Kerdas (batu 5→)



1 m = 10 m

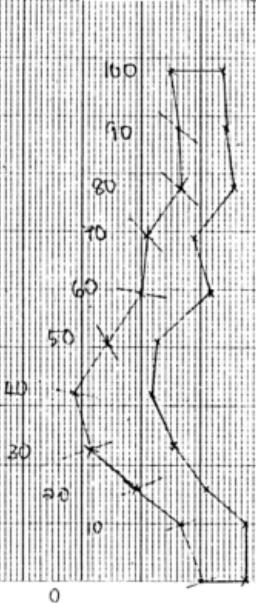
$$000049 \times 10 = 490 \text{ cm}^3$$



Kampung Simpang Tiga (batu 7)

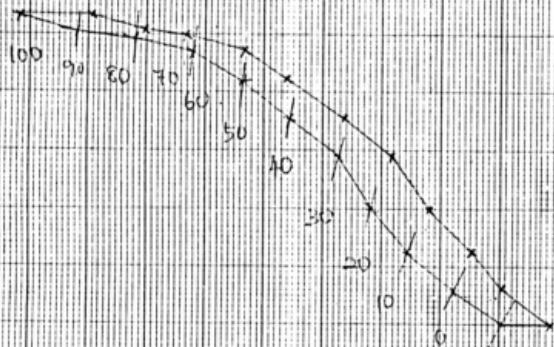
$$00095 \times 10 = 950 \text{ cm}^3$$

Padang bola (batu 9)



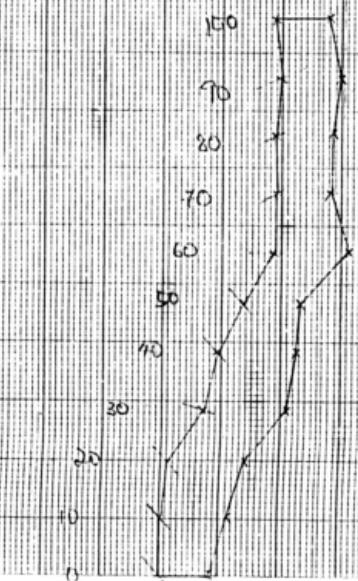
PELAN SUNGAI BAGI TAHUN 1994

Kampung Simpang Tiga (batu 7)



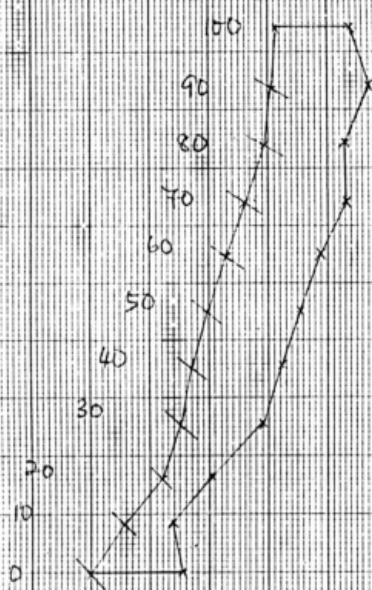
550 m
" 00055 x 10

Padang bola (batu 9)



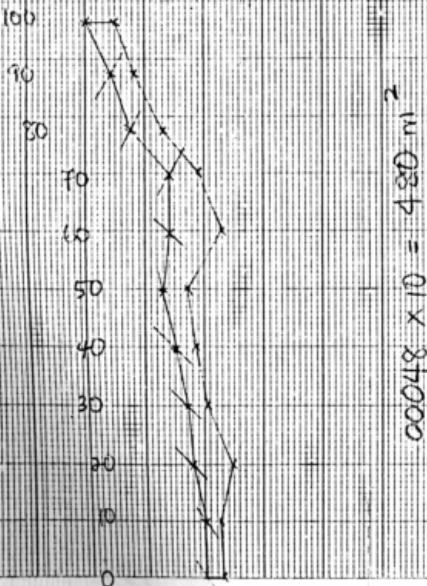
1,060 m
" 00106 x 10

Kampung Kerdas (batu 5½)



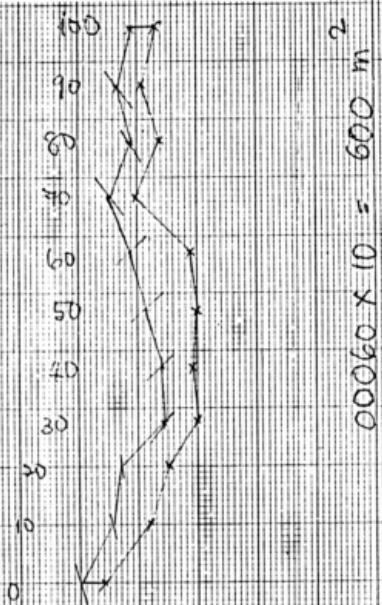
$$0.0133 \times 10 = 1.330 \text{ m}^2$$

Alang Sedayu (batu 14)

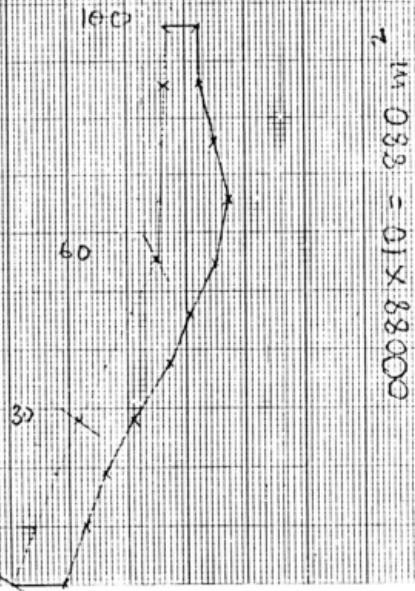


$$0.0048 \times 10 = 4.80 \text{ m}^2$$

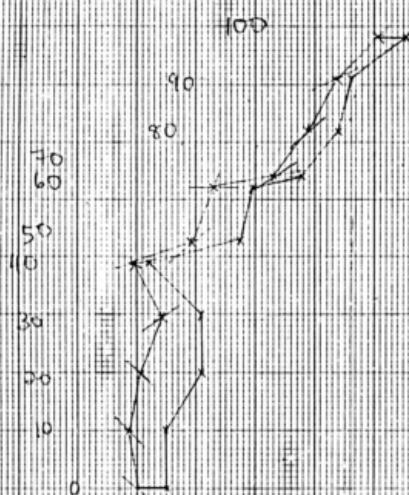
Sungai Genting Sempah (batu 21)



Pusat Pengajaran Luar,
Universiti Malaya (batu 16)

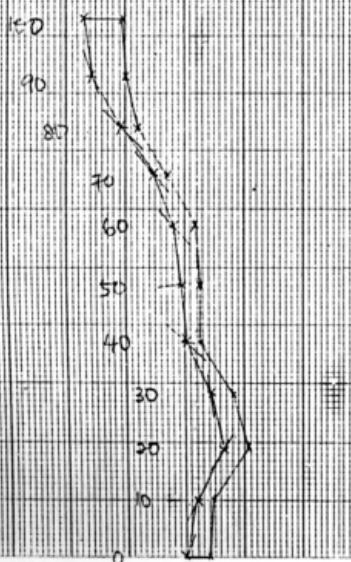


Kuil (batu 19)



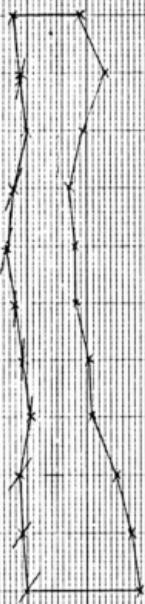
$$0.00149 \times 10 = 4.90 \text{ m}^2$$

Sungai Ulu Gombak (batu 21)



$$0.0035 \times 10 = 3.50 \text{ m}^2$$

Sungai Batu



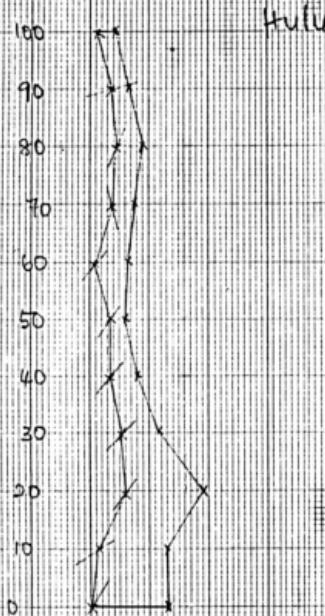
$$00135 \times 10 = 1,350 \text{ m}^2$$

Sungai Pusu (batu 8)



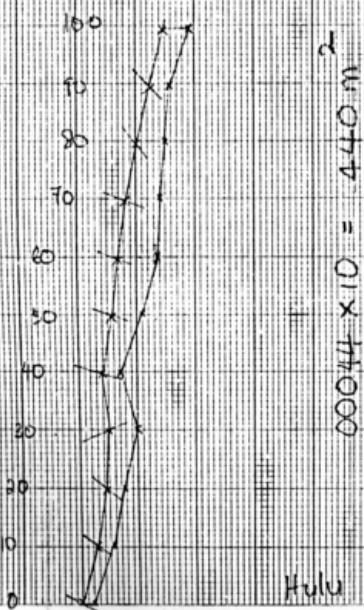
$$00024 \times 10 = 240 \text{ m}^2$$

Pokok berangan (batu 16½)



$$00067 \times 10 = 670 \text{ m}^2$$

Sungai Rumput (batu 12)



$$00044 \times 10 = 440 \text{ m}^2$$