

CONTOH ALUR EKSEKUSI PROGRAM II
Nama file : ZAT.LOG

```
[data list file 'b:zat.dat' free /tetes sembuh.
[var labels
[ tetes 'obat yang ditetaskan'
[ sembuh 'tingkat kesembuhan'.
[list var tetes sembuh.
[Next command's output on page 3
[regression
[ /var tetes sembuh
[ /dependent tetes
[ /method enter
[ /residuals.
[Next command's output on page 12
[correlations
[ /var tetes sembuh
[ /options 3 4 5
[ /statistics all.
[Next command's output on page 16
[plot /plot tetes with sembuh.
[Next command's output on page 20
[frequencies
[ /var tetes sembuh
[ /hitogram.
[*** Previous line caused an error ***
[--Interrupted--
[
[Next command's output on page 21
FREQUENCIES /VARIABLES TETES SEMBUH /HISTOGRAM.
[Next command's output on page 26
exit
```

OUTPUT DARI PROGRAM ANALISIS II

Nama file : ZAT.LIS

(keterangan dalam tanda kurung menjelaskan hasil program)

DATA LIST FILE 'b:\zat.dat' FREE /tetes sembuh.

(memberitahukan kepada pemakai bahwa hasil ini diambil dari analisa file data ZAT.DAT di drive B. dengan format bebas, dan variabel yang diaktifkan adalah variabel TETES dan SEMBUH.)

VAR LABELS

tetes 'obat yang ditetaskan'

sembuh 'tingkat kesembuhan'.

(keterangan variabel terdefiniskan, cukup jelas)

LIST VAR tetes sembuh.

The raw data or transformation pass is proceeding

7 cases are written to the compressed active file.

(proses ini akan menampilkan data asli dengan nama variabelnya, seperti di bawah ini :)

TETES SEMBUH

1.00	23.50
2.00	16.90
2.00	17.50
3.00	14.00
5.00	9.80
5.00	8.90
1.00	3.60

Number of cases read = 7 Number of cases listed = 7

This procedure was completed at 11:53:05

REGRESSION

/var tetes sembuh

/dependent tetes

/method enter

/residuals.

(proses ini akan menghasilkan analisis regresi dengan variabel dependennya adalah TETES dengan segala hasil residualnya)

**** MULTIPLE REGRESSION ****

Listwise Deletion of Missing Data

Equation Number 1 Dependent Variable.. TETES obat yang ditetaskan

Block Number 1. Method: Enter

**** MULTIPLE REGRESSION ****

Equation Number 1 Dependent Variable.. TETES obat yang ditetaskan

Variable(s) Entered on Step Number

1.. SEMBUH tingkat kesembuhan

Multiple R .36032
 R Square .2983
 Adjusted R Square -.04421
 Standard Error 1.74160

Analysis of Variance

	DF	Sum of Squares	Mean Square
Regression	1	2.26273	2.26273
Residual	5	15.16584	3.03317

F = .74599 Signif F = .4272

**** MULTIPLE REGRESSION ****

Equation Number 1 Dependent Variable.. TETES obat yang ditetaskan

----- Variables in the Equation -----

Variable	B	SE B	Beta	T	Sig T
SEMBUH	-.093171	.107873	-.360317	-.864	.4272
(Constant)	3.968103	1.593939		2.489	.0552

End Block Number 1 All requested variables entered.

**** MULTIPLE REGRESSION ****

Equation Number 1 Dependent Variable.. TETES obat yang ditetaskan

Residuals Statistics:

	Min	Max	Mean	Std Dev	N
*PRED	1.7786	3.6327	2.7143	.6141	7
*RESID	-2.6327	1.9450	.0000	1.5899	7
*ZPRED	1.5237	1.4955	.0000	1.0000	7
*ZRESID	-1.5116	1.1168	.0000	.9129	7

Total Cases = 7

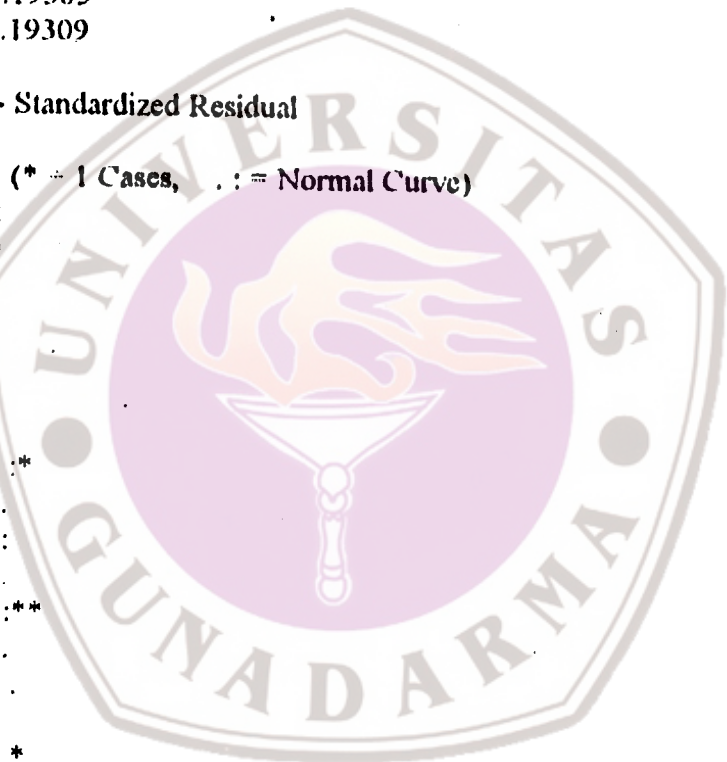
Durbin-Watson Test = 1.54259

Outliers - Standardized Residual

Case #	*ZRESID
7	-1.51165
5	1.11677
6	1.06863
1	-.44705
2	-.22595
3	-.19385
4	.19309

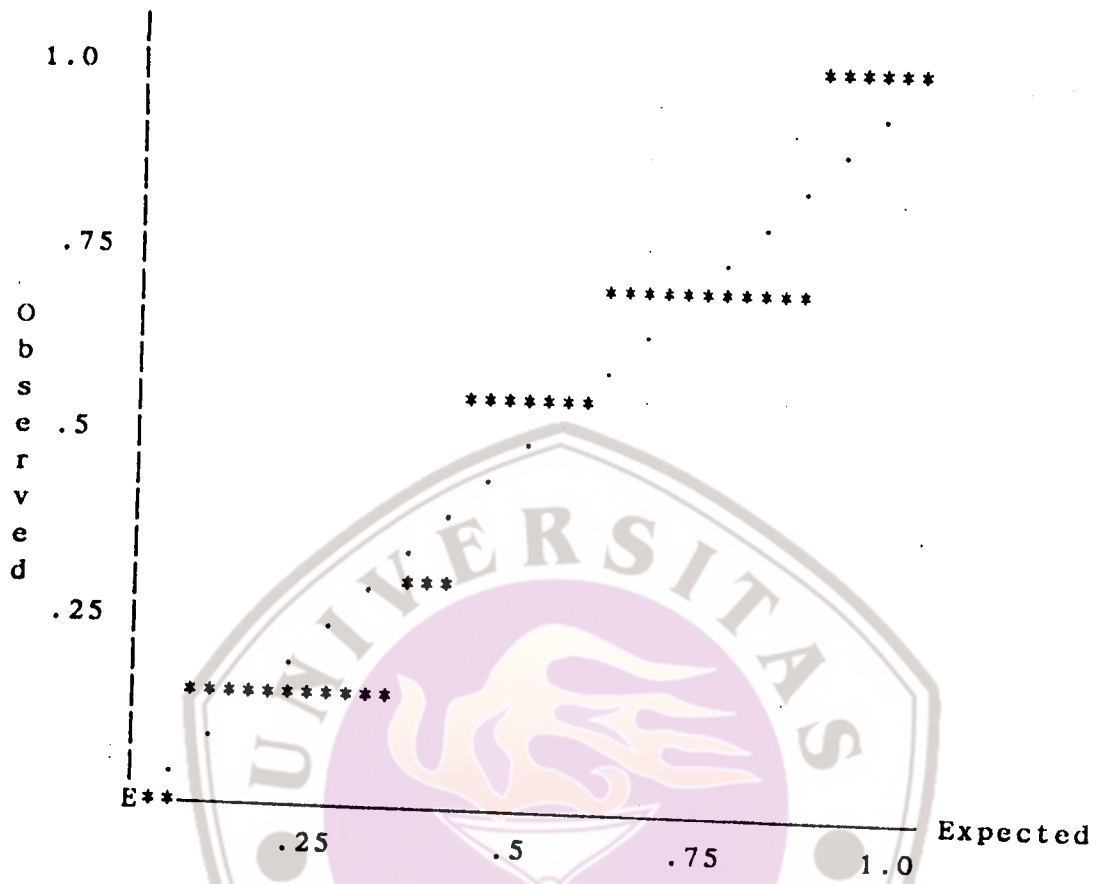
Histogram - Standardized Residual

N	exp N	(* = 1 Cases, . := Normal Curve)
0	.01	Out
0	.01	3.00
0	.03	2.67
0	.06	2.33
0	.13	2.00
0	.23	1.67
0	.38	1.33
2	.56	1.00 *
0	.74	.67
1	.88	.33
0	.93	.00
3	.88	-.33 **
0	.74	-.67
0	.56	-1.00
0	.38	-1.33
1	.23	-1.67 *
0	.13	-2.00
0	.06	-2.33
0	.03	-2.67
0	.01	-3.00
0	.01	Out



Normal Probability (P-P) Plot

Standardized Residual



This procedure was completed at 11:53:21

CORRELATIONS

/var tetes sembuh

/options 3 4 5

/statistics all.

Variable	Cases	Mean	Std Dev
TETES	7	2.7143	1.7043
SEMBUH	7	13.4571	6.5911

Variables	Cases	Cross-Prod Dev	Variance-Covar
TETES SEMBUH	7	-24.2857	-4.0476

Correlations: TETES SEMBUH

TETES	1.0000	-.3603
	(7)	(7)
	P=.	P= .427
SEMBUH	-.3603	1.0000
	(7)	(7)
	P= .427	P=.

(Coefficient (Cases) / 2-tailed Significance)

". ." is printed if a coefficient cannot be computed

This procedure was completed at 11:53:27

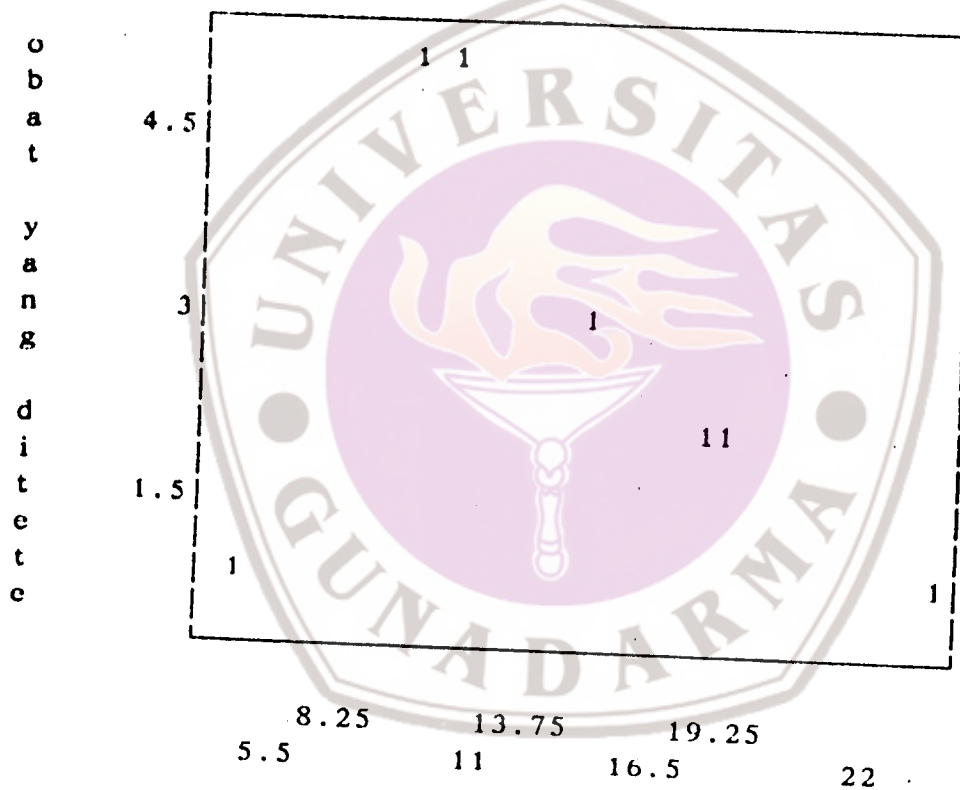
PLOT /PLOT tetes with sembuh.
PLOT requires 3920 BYTES of workspace for execution.

***** P L O T *****

Data Information

7 unweighted cases accepted.

PLOT OF TETES WITH SEMBUH



7 cases plotted.

This procedure was completed at 11:53:35

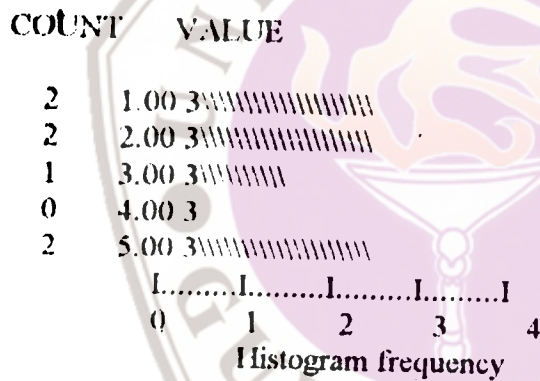
FREQUENCIES

/VARIABLES tetes sembuh
/HISTOGRAM.

Memory allows a total of 11714 Values, accumulated across all Variables.
There also may be up to 1464 Value Labels for each Variable.

TETES obat yang diteteskan

Value Label	Value	Frequency	Valid Percent	Cum Percent
	1.00	2	28.6	28.6
	2.00	2	28.6	57.1
	3.00	1	14.3	71.4
	5.00	2	28.6	100.0
Total		7	100.0	100.0



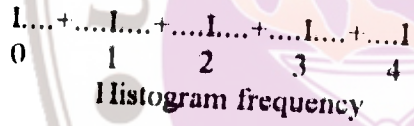
Valid cases 7 Missing cases 0

SEMBUH tingkat kesembuhan

Value Label	Value	Frequency	Valid Percent	Cum Percent
	3.60	1	14.3	14.3
	8.90	1	14.3	28.6
	9.80	1	14.3	42.9
	14.00	1	14.3	57.1
	16.90	1	14.3	71.4
	17.50	1	14.3	85.7
	23.50	1	14.3	100.0
Total		7	100.0	100.0

SEMBUHI tingkat kesembuhan

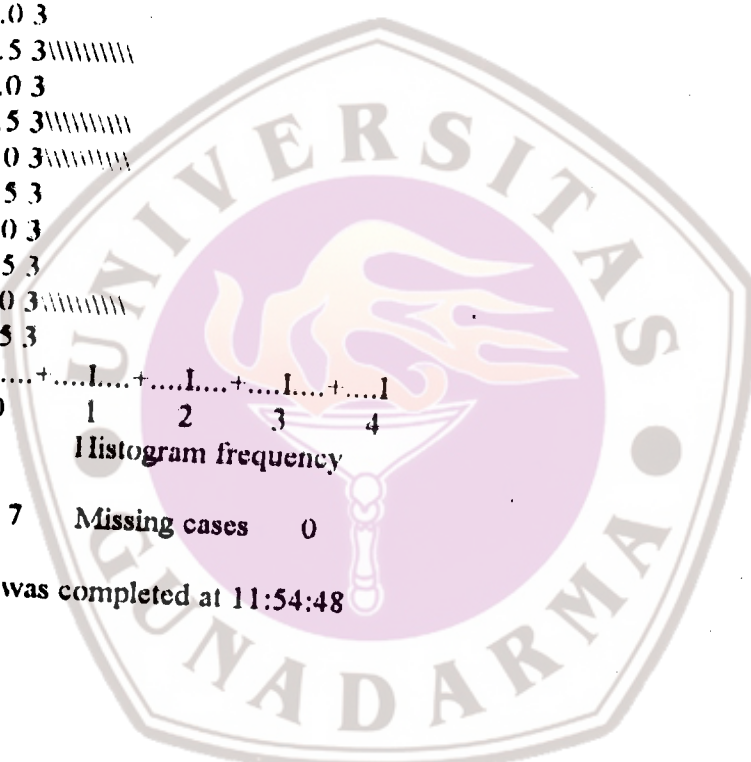
Count	Midpoint
0	1.5 3
1	3.0 3
0	4.5 3
0	6.0 3
0	7.5 3
1	9.0 3
1	10.5 3
0	12.0 3
1	13.5 3
0	15.0 3
1	16.5 3
1	18.0 3
0	19.5 3
0	21.0 3
0	22.5 3
1	24.0 3
0	25.5 3



Valid cases 7 Missing cases 0

This procedure was completed at 11:54:48

exit



CONTOH DATA II

Nama file : BAYI.DAT

57.5	78	48.2	2.75	29.5
52.8	69	45.5	2.15	26.3
61.3	77	46.3	4.41	32.2
67.0	88	49.0	5.52	36.5
53.5	67	43.0	3.21	27.2
62.7	80	48.0	4.32	27.7
56.2	74	48.0	2.31	28.3
68.5	94	53.0	4.30	30.3
69.2	102	58.0	3.71	28.7

CONTOH PROGRAM ANALISIS II

Nama Program : PROGBAYI.PRG

(keterangan dalam tanda kurung tidak dibuat/dibaca untuk program - hanya penjelasan)

SET DISK 'b:\bayi.lis' /LOG 'b:\bayi.log'.

(baris perintah untuk menyimpan output dalam file BAYI.LIS, sehingga bisa dimodifikasi dan dirapikan dengan aplikasi Word processor)

DATA LIST FILE 'b:\bayi.dat' FREE /

panjang
usia
plahir
berat
ukuran.

(baris perintah untuk menggunakan sumber data yang disimpan di file BAYI.DAT, dengan format bebas)

VAR LABELS

panjang 'dalam cm'
usia 'dalam hari'
plahir 'panjang waktu lahir dlm. cm'
berat 'dalam kg'
ukuran 'dalam cm'.

(baris program untuk memberi keterangan pada tiap variabel yang dipergunakan)

LIST VAR

panjang
usia
plahir
berat
ukuran.

(baris perintah untuk menampilkan nilai dari variabel yang disebutkan)

REGRESSION

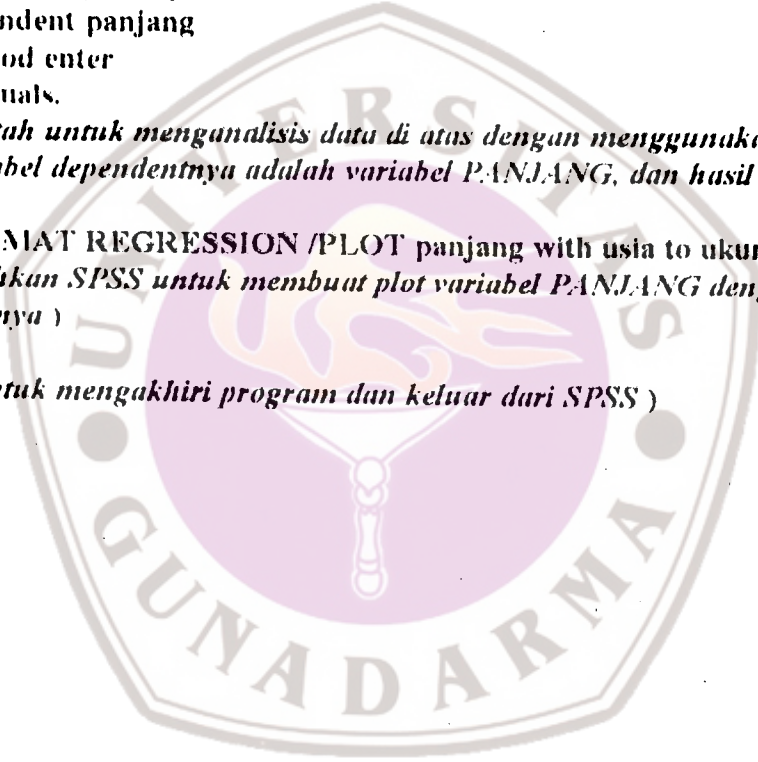
/var panjang usia plahir berat ukuran
/dependent panjang
/method enter
/residuals.

(baris perintah untuk menganalisis data di atas dengan menggunakan metode regresi dengan variabel dependennya adalah variabel PANJANG, dan hasil nilai residunya)

PLOT /FORMAT REGRESSION /PLOT panjang with usia to ukuran.

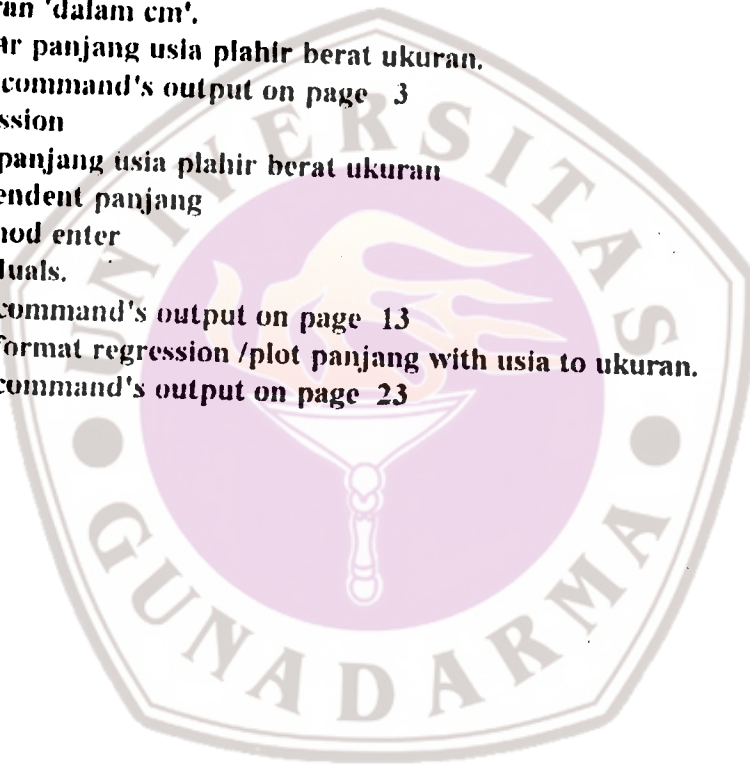
(memerintahkan SPSS untuk membuat plot variabel PANJANG dengan semua variabel lainnya)

FINISH. *(untuk mengakhiri program dan keluar dari SPSS)*



ALUR EKSEKUSI PROGRAM ANALISIS
NAMA PROGRAM = PROGBAYLPRG

```
[data list file 'b:bayi.dat' free /panjang usia plahir berat ukuran.  
[var labels  
[ panjang 'dalam cm'  
[ usia 'dalam hari'  
[ plahir 'panjang waktu lahir dlm. cm'  
[ berat 'dalam kg'  
[ ukuran 'dalam cm'.  
[list var panjang usia plahir berat ukuran.  
[Next command's output on page 3  
[regression  
[ /var panjang usia plahir berat ukuran  
[ /dependent panjang  
[ /method enter  
[ /residuals.  
[Next command's output on page 13  
[plot /format regression /plot panjang with usia to ukuran.  
[Next command's output on page 23  
[finish.
```



CONTOH HASIL/OUTPUT DARI PROGRAM ANALISIS
(Tanda/nomor romawi tidak dibaca)

I. DATA LIST FILE 'b:\bayi.dat' FREE /

panjang
usia
plahir
berat
ukuran.

II. VAR LABELS

panjang 'dalam cm'
usia 'dalam hari'
plahir 'panjang waktu lahir dlm. cm'
berat 'dalam kg'
ukuran 'dalam cm'.

III. LIST VAR panjang usia plahir berat ukuran.

The raw data or transformation pass is proceeding
9 cases are written to the compressed active file.

PANJANG	USIA	PLAHIR	BERAT	UKURAN
57.50	78.00	48.20	2.75	29.50
52.80	69.00	45.50	2.15	26.30
61.30	77.00	46.30	4.41	32.20
67.00	88.00	49.00	5.52	36.50
53.50	67.00	43.00	3.21	27.20
62.70	80.00	48.00	4.32	27.70
56.20	74.00	48.00	2.31	28.30
68.50	94.00	53.00	4.30	30.30
69.20	102.00	58.00	3.71	28.70

Number of cases read = 9 Number of cases listed = 9

This procedure was completed at 11:04:54

IV. REGRESSION

/var panjang usia plahir berat ukuran
/dependent panjang
/method enter
/residuals.

**** MULTIPLE REGRESSION ****

Listwise Deletion of Missing Data

Equation Number 1 Dependent Variable.. PANJANG dalam cm

Block Number 1. Method: Enter

**** MULTIPLE REGRESSION ****

Equation Number 1 Dependent Variable.. PANJANG dalam cm

Variable(s) Entered on Step Number

- 1.. UKURAN dalam cm
- 2.. PLAHIR panjang waktu lahir dlm. cm
- 3.. BERAT dalam kg
- 4.. USIA dalam hari

**** MULTIPLE REGRESSION ****

Equation Number 1 Dependent Variable.. PANJANG dalam cm

Multiple R .99537
R Square .99077
Adjusted R Square .98154
Standard Error .86104

Analysis of Variance

	DF	Sum of Squares	Mean Square
Regression	4	318.27442	79.56860
Residual	4	2.96558	.74140

F = 107.32280 Signif F = .0003

***** MULTIPLE REGRESSION *****

Equation Number 1 Dependent Variable.. PANJANG dalam cm

----- Variables in the Equation -----

Variable	B	SE B	Beta	T	Sig T
UKURAN	-.030042	.166462	-.014767	-.180	.8656
PLAHIR	.726417	.785902	.504158	.924	.4076
BERAT	3.075837	1.059179	.542563	2.904	.0439
USIA	.100094	.339709	.183020	.295	.7829
(Constant)	7.147532	16.459611		.434	.6865

End Block Number 1 All requested variables entered.

***** MULTIPLE REGRESSION *****

Equation Number 1 Dependent Variable.. PANJANG dalam cm

Residuals Statistics:

	Min	Max	Mean	Std Dev	N
*PRED	52.9290	70.0385	60.9667	6.3075	9
*RESID	-.8385	1.1276	.0000	.6088	9
*ZPRED	-1.2743	1.4383	.0000	1.0000	9
*ZRESID	-.9738	1.3096	.0000	.7071	9

Total Cases = 9

Durbin-Watson Test = 1.91065

Outliers - Standardized Residual

Case # *ZRESID

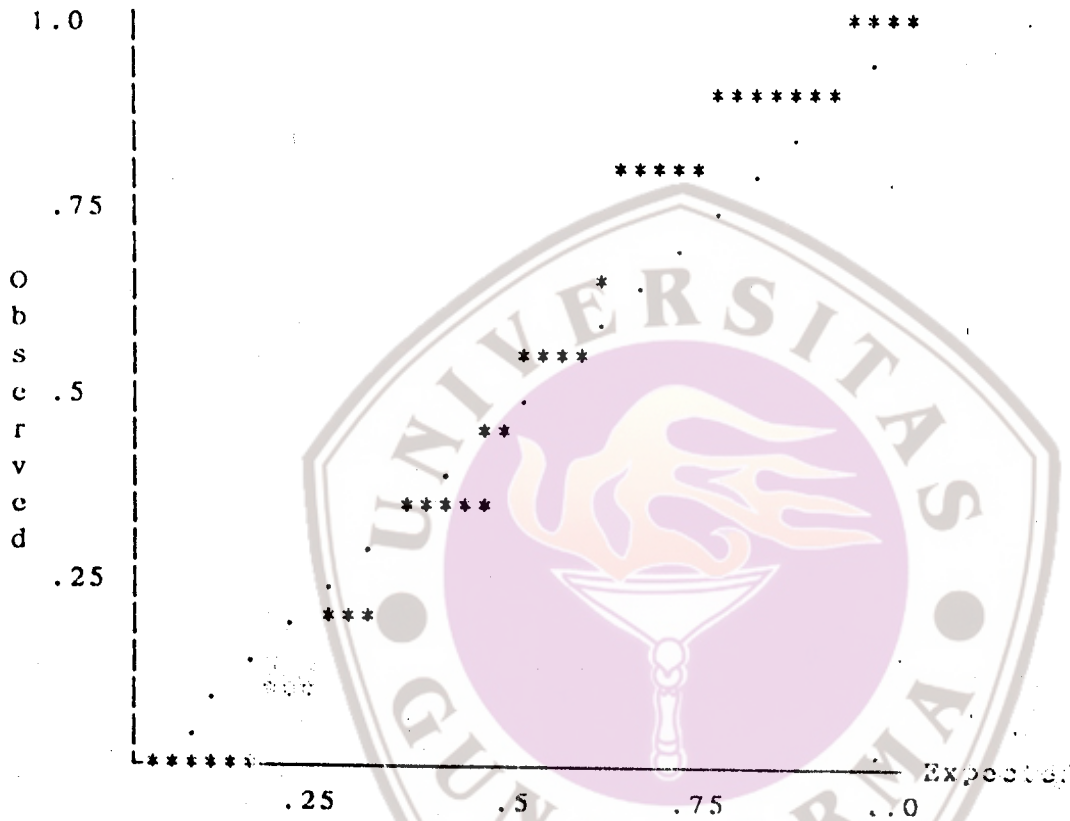
8	1.30963
9	-.97384
5	-.75037
7	.60677
4	-.50216
6	.25716
3	.24968
2	-.14980
1	.04707

Histogram - Standardized Residual

NExp N (* = 1 Cases, . . : = Normal Curve)

0	.01	Out
0	.01	3.00
0	.04	2.67
0	.08	2.33
0	.16	2.00
0	.30	1.67
1	.49	1.33 *
0	.73	1.00
1	.96	.67 :
2	1.13	.33 :*
2	1.19	.00 :*
0	1.13	-.33
2	.96	-.67 :*
1	.73	-1.00 :
0	.49	-1.33
0	.30	-1.67
0	.16	-2.00
0	.08	-2.33
0	.04	-2.67
0	.01	-3.00
0	.01	Out

Normal Probability (P-P) Plot
Standardized Residual



This procedure was completed at 11:10:20

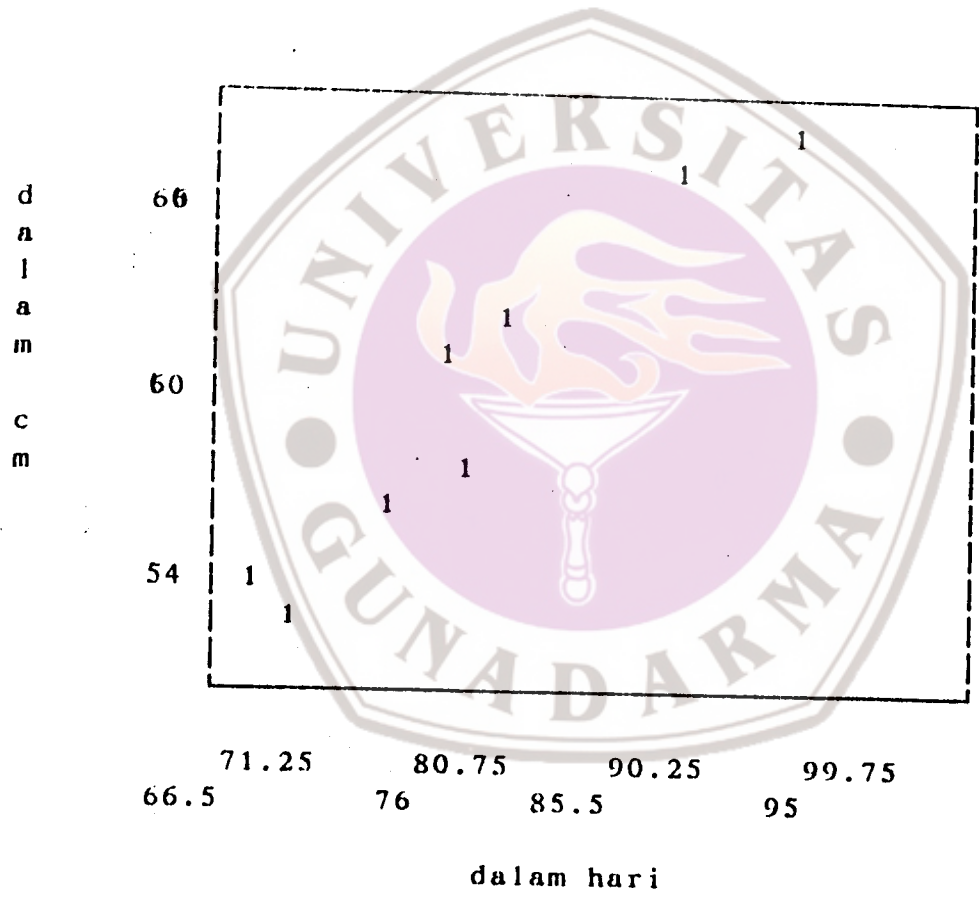
V. PLOT /FORMAT REGRESSION /PLOT PANJANG WITH USIA TO UKURAN.
PLOT requires 4016 BYTES of workspace for execution.

* * * * * P L O T * * * * *

Data Information

9 unweighted cases accepted.

PLOT OF PANJANG WITH USIA

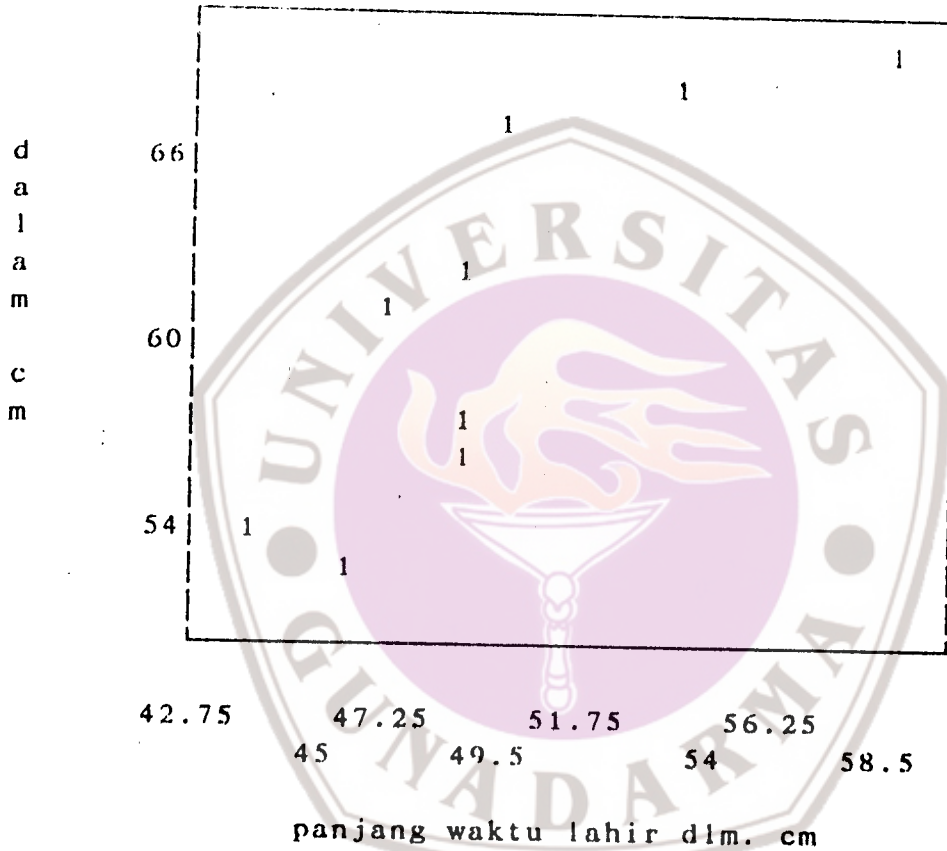


9 cases plotted. Regression statistics of PANJANG on USIA:

Correlation .94709
R Squared .89698
S.E. of Est 2.17430
Sig. .0001

Intercept(S.E.) 19.01108(5.42272)
Slope(S.E.) .51797(.06635)

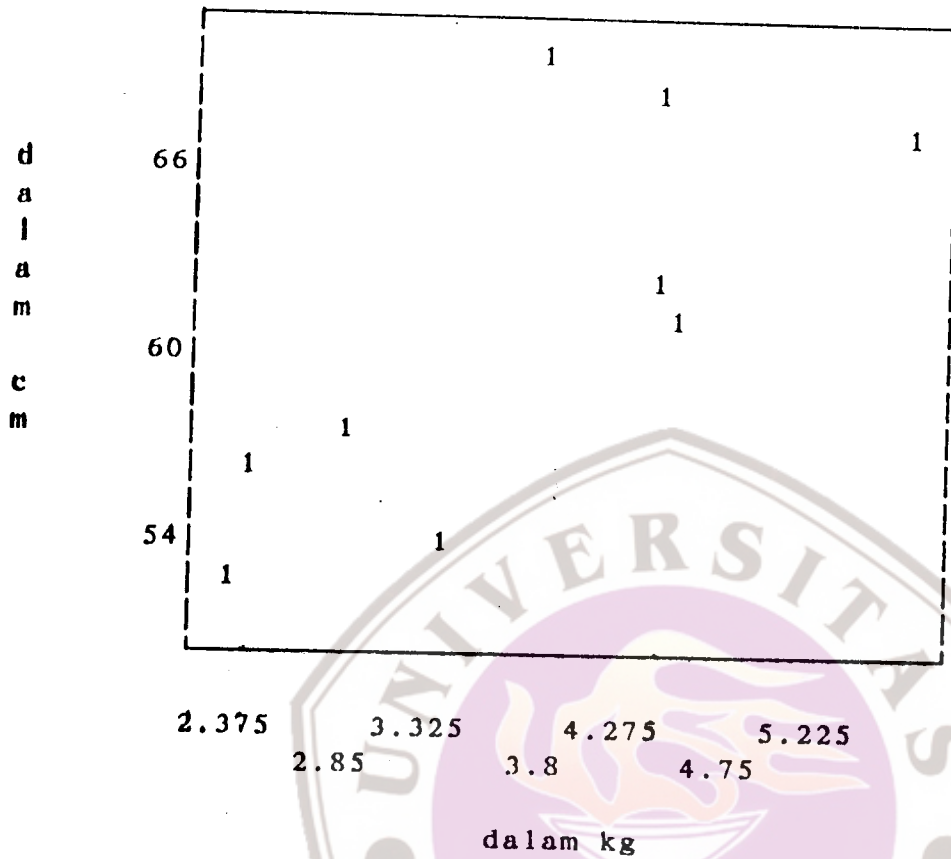
PLOT OF PANJANG WITH PLAHIR



9 cases plotted. Regression statistics of PANJANG on PLAHIR:
Correlation .81867
R Squared .67022
S.E. of Est 3.89026
Sig. .0070

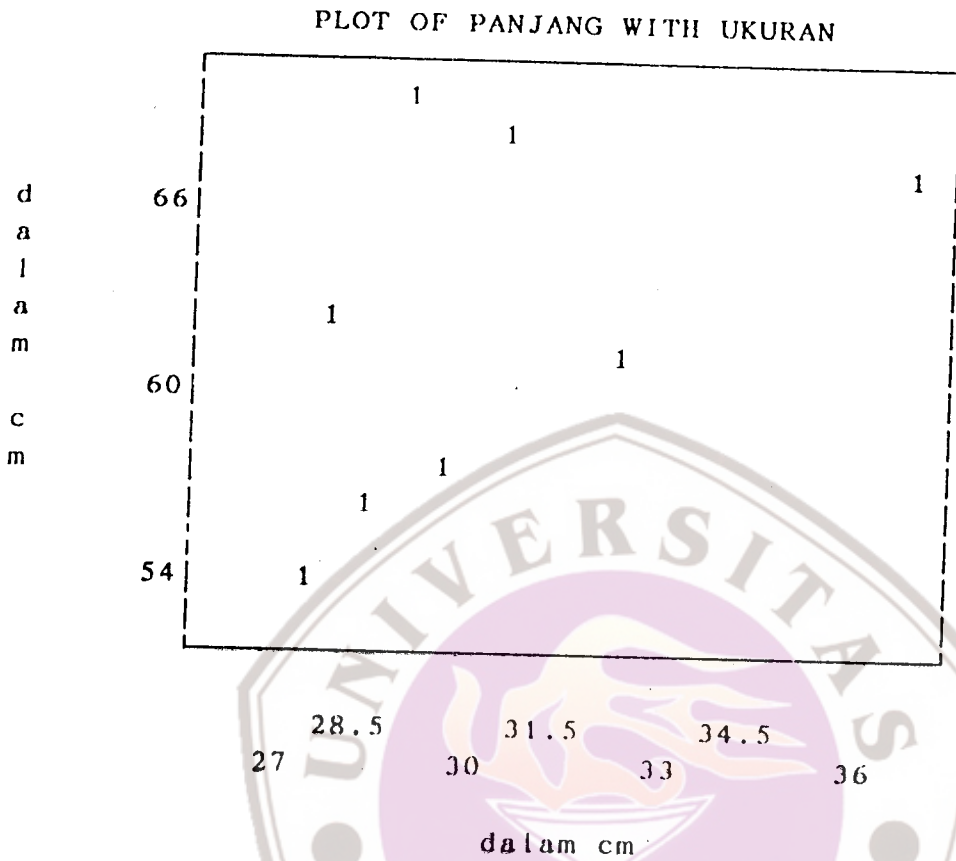
Intercept(S.E.) 3.42926(15.30977)
Slope(S.E.) 1.17958(.31274)

PLOT OF PANJANG WITH BERAT



9 cases plotted. Regression statistics of PANJANG on BERAT:
 Correlation .76114
 R Squared .57934
 S.E. of Est 4.39372
 Sig. .0172

Intercept(S.E.) 45.29850(5.25450)
 Slope(S.E.) 4.31498(1.38973)



9 cases plotted. Regression statistics of PANJANG on UKURAN:
Correlation .56033
R Squared .31397
S.E. of Est 5.61097
Sig. .1166
Intercept(S.E.) 27.18726(18.96503)
Slope(S.E.) 1.13991(.63687)

This procedure was completed at 11:11:02

VI. FINISH.

End of Include file.