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LAMPIRAN: 1
 VARIABEL-VARIABEL PENELITIAN VOLUME USAHA PADA KUD MANDIRI DI KABUPATEN JEMBER

NO	KUD	TAHUN	VOLUME USAHA (Y)	SP (X1)	SW (X2)	DONASI (X3)	CADANGAN KOPERASI (X4)	PELAYANAN USAHA (X5)	PARTISIPASI ANGGOTA (X6)	ASET (X7)
1	NUSANTARA	1991	2,312,400,728	4,450,500	2,399,550	12,540,000	195,663,358	2,251,005,037	1,020,601,560	525,237,172
2	RAMA	1991	401,457,083	692,600	967,150	2,500,000	16,607,527	471,634,572	19,822,511	251,917,390
3	SUMBER ALAM	1991	31,430,106,834	1,865,000	7,323,740	10,400,000	18,711,470	2,114,577,845	1,085,675,150	462,005,071
4	TRI BAKTI	1991	1,926,705,85	1,613,000	5,209,640	4,500,000	5,817,945	950,650,860	965,400,200	441,931,465
5	SUBUR MAKMUR	1991	122,214,787	2,518,000	178,650	2,600,000	4,002,019	123,160,150	109,650,150	375,950,092
6	MAREM	1991	1,452,597,812	1,520,250	680,250	2,000,000	8,627,016	1,455,515,150	1,291,751,750	685,975,179
7	DUTA NIAGA	1991	1,231,405,901	1,517,500	842,230	1,750,000	22,579,807	57,237,000	41,165,000	57,172,145
8	RUKUN JAYA	1991	986,360,577	2,341,000	6,225,000	3,250,000	37,752,854	988,605,983	960,321,326	82,452,865
9	MANUNGGAL	1991	642,250,700	2,373,000	1,390,971	10,683,000	26,463,036	204,132,920	5,751,835	55,520,905
10	RINDANG	1991	5,367,899,756	6,905,000	5,073,620	5,701,000	130,283,413	4,756,756,200	1,610,369,950	229,342,600
11	KERTAJAYA	1991	367,528,815	2,036,500	2,325,980	1,600,000	54,172,396	364,642,867	16,841,270	52,289,100
12	NUSANTARA	1992	1,008,513,54	4,864,500	2,549,600	12,540,000	95,587,586	941,535,843	865,549,650	416,125,500
13	RAMA	1992	60,780,720	692,600	967,150	2,500,000	13,120,195	32,961,750	14,058,319	283,916,869
14	SUMBER ALAM	1992	18,818,218,4	1,869,000	7,323,740	10,400,000	21,151,469	2,391,724,849	2,120,560,120	493,478,083
15	TRI BAKTI	1992	921,031,778	1,671,000	5,214,790	4,600,000	4,913,806	910,450,100	840,950,650	452,307,069
16	SUBUR MAKMUR	1992	346,475,650	2,199,700	178,650	2,600,000	5,287,135	347,475,560	320,170,750	410,638,540
17	MAREM	1992	1,752,624,90	1,542,250	705,630	2,600,000	11,623,277	1,820,125,150	1,670,120,150	762,958,742
18	DUTA NIAGA	1992	2,358,570,77	1,552,500	970,230	1,750,000	25,573,807	81,661,500	60,720,000	103,001,750
19	RUKUN JAYA	1992	1,317,472,23	2,411,000	6,225,000	13,250,000	49,333,323	1,368,773,525	1,354,405,454	101,598,825
20	MANUNGGAL	1992	487,445,707	2,899,000	26,646,210	10,683,000	26,527,823	133,227,254	6,565,875	53,878,389

21	RINDANG	1992	6,825,805,605	7,077,500	5,511,376	5,731,000	154,861,806	5,546,153,100	2,347,741,361	306,800,101
22	KERTAJAYA	1992	557,676,699	2,334,500	3,436,010	1,500,000	56,157,738	54,724,302	6,650,312	61,536,159
23	NUSANTARA	1993	762,458,861	5,322,000	3,262,350	16,210,000	39,017,700	642,083,450	590,750,100	428,700,333
24	RAMA	1993	162,940,893	714,600	967,150	2,540,000	6,593,500	145,264,000	142,150,171	295,400,832
25	SUMBER ALAM	1993	9,062,325,755	1,892,000	12,527,780	10,400,000	20,515,500	8,443,630,000	8,119,000	100,700,000
26	TRI BAKTI	1993	331,034,158	1,671,000	5,214,790	1,600,000	6,162,900	2,000,000,000	5,640,000	20,100,000
27	SUBUR MAKMUR	1993	128,051,750	2,199,700	178,650	2,600,000	6,850,100	123,530,000	125,500,000	60,700,000
28	MAREM	1993	1,506,708,226	1,562,250	299,230	2,900,000	1,271,400	1,400,000,000	1,900,000,000	99,800,000
29	DUTA NIAGA	1993	3,463,725,781	1,014,500	895,230	1,750,000	25,012,500	1,800,000,000	100,000,000	103,100,000
30	RUKUN JAYA	1993	690,667,352	2,411,000	5,205,000	13,200,000	8,000,000	6,400,000	6,400,000	49,000,000
31	MANUNGGA	1993	261,202,077	2,699,000	10,809,800	11,800,000	10,730,500	1,200,000,000	4,700,000	205,100,000
32	RINDANG	1993	1,572,020,570	7,181,000	5,938,570	11,300,000	1,100,000	1,200,000,000	4,700,000	113,000,000
33	KERTAJAYA	1993	340,608,023	3,121,000	4,986,800	1,900,000	5,000,000	3,500,000,000	1,100,000,000	113,000,000
34	NUSANTARA	1995	2,601,954,412	8,170,000	5,983,800	17,500,000	25,400,000	2,500,000,000	3,500,000,000	117,300,000
35	RAMA	1996	101,071,792	790,100	1,050,150	2,500,000	9,000,000	92,870,000	77,800,000	100,100,000
36	SUMBER ALAM	1996	28,892,488,691	1,902,000	15,451,380	13,000,000	30,000,000	1,200,000,000	1,115,000,000	511,300,000
37	TRI BAKTI	1996	126,852,049	1,721,000	5,216,730	1,900,000	3,000,000	1,300,000,000	392,400,000	517,200,000
38	SUBUR MAKMUR	1996	221,382,594	2,365,800	5,504,000	12,600,000	13,000,000	2,000,000,000	2,150,000,000	261,100,000
39	MAREM	1996	795,197,881	1,600,000	842,230	1,200,000	3,000,000	700,000,000	700,000,000	750,000,000
40	DUTA NIAGA	1996	1,490,463,388	1,952,900	3,971,800	1,700,000	3,000,000	1,300,000,000	1,590,000,000	113,900,000
41	RUKUN JAYA	1996	460,627,854	2,411,000	3,225,000	13,250,000	3,000,000	6,675,000,000	3,950,000,000	102,600,000
42	MANUNGGA	1996	642,260,700	2,373,000	3,900,970	11,500,000	3,000,000	2,000,000,000	5,700,000	55,500,000
43	RINDANG	1996	5,367,899,756	6,905,000	5,073,620	5,700,000	1,600,000	4,000,000,000	1,010,000,000	220,300,000
44	KERTAJAYA	1996	568,363,475	3,993,000	10,952,650	1,300,000	1,000,000	3,000,000,000	27,200,000	143,100,000

45	NUSANTARA	1997	6,063,173,824	8,312,000	5,168,309	17,590,000	27,103,833	3,024,12,384	5,645,490,510	733,588,620
46	RAMA	1997	474,902,278	803,600	1,059,400	2,500,000	6,017,897	474,902,278	470,125,303	309,930,179
47	SUMBER ALAM	1997	36,590,100,928	1,902,000	19,237,070	19,460,000	36,624,808	1,898,624,868	1,751,159,150	621,281,517
48	TRI BAKTI	1997	275,390,882	1,741,000	5,216,780	9,600,000	1,085,830	290,690,750	205,159,400	677,530,179
49	SUBUR MAKMUR	1997	485,500,700	2,365,800	550,700	12,600,000	7,733,170	490,141,115	475,159,125	365,146,199
50	MAREM	1997	473,237,707	1,609,250	370,230	17,900,000	18,143,317	1,111,73,140	455,159,150	797,500,000
51	DUTA NIAGA	1997	5,173,211,351	2,247,800	4,337,109	1,750,000	36,235,889	367,159,000	260,000,000	15,031,000
52	RUKUN JAYA	1997	1,452,642,510	2,411,000	3,225,000	13,250,000	45,033,800	1,272,893,844	1,191,730,000	3,700,000
53	MANUNGGAL	1997	487,445,707	2,899,000	26,946,210	19,600,000	26,527,800	1,022,27,234	6,589,875	63,870,281
54	RINDANG	1997	6,825,305,605	7,077,500	5,511,375	5,700,000	134,361,300	5,945,150,100	3,947,711,000	466,830,000
55	KERTAJAYA	1997	833,524,854	3,633,500	12,431,150	24,400,000	1,618,930,100	3,911,33,000	32,931,154	702,230,250
56	NUSANTARA	1998	10,284,908,440	8,588,700	6,514,100	17,500,000	4,387,200	10,168,121,974	3,360,150,050	714,400,220
57	RAMA	1998	1,090,757,390	1,283,100	1,115,400	2,500,000	6,083,700	1,390,750,000	1,400,000,000	33,670,170
58	SUMBER ALAM	1998	55,005,584,367	1,502,000	23,371,610	19,400,000	66,425,800	5,630,001,604	5,945,159,120	732,210,110
59	TRI BAKTI	1998	20,858,107	1,741,000	5,217,450	9,600,000	65,145,200	200,750,850	115,400,100	690,900,000
60	SUBUR MAKMUR	1998	485,536,900	2,365,800	550,700	12,600,000	1,323,400	495,751,150	485,170,150	681,150,177
61	MAREM	1998	2,094,820,122	1,618,250	895,230	17,000,000	18,772,600	2,005,151,120	2,001,159,120	96,617,112
62	DUTA NIAGA	1998	191,873,307	2,309,800	4,906,100	1,700,000	38,083,300	177,897,900	167,714,100	55,370,753
63	RUKUN JAYA	1998	683,652,523	2,411,000	6,225,000	13,250,000	49,724,300	638,631,881	609,870,226	108,900,173
64	MANUNGGAL	1998	261,202,077	2,898,000	19,809,809	10,600,000	34,752,700	142,233,647	9,439,195	1,105,043
65	RINDANG	1998	1,572,920,570	7,181,000	6,038,570	14,300,000	1,010,735,800	1,371,051,200	1,169,171	205,140,000
66	KERTAJAYA	1998	1,304,467,452	3,993,500	12,601,150	165,700,000	1,010,933,300	1,389,611,004	1,563,043	143,918,119

LAMPIRAN 2 . LIST DATA

HEADER DATA FOR: A:UMAR LABEL:

NUMBER OF CASES: 66 NUMBER OF VARIABLES: 8

	Y	X1	X2	X3	X4	X5	X6	X7
1	2312.40	4.45	2.40	12.54	103.66	2251.61	1920.60	525.24
2	401.46	.70	.97	2.50	16.61	471.63	19.82	251.92
3	31430.11	1.87	7.32	10.40	18.71	2114.58	1985.67	462.10
4	926.71	1.61	5.21	4.60	5.82	950.65	865.40	441.99
5	122.21	2.52	.18	2.60	4.60	123.16	109.65	375.95
6	1452.60	1.52	.68	2.60	8.63	1455.52	1291.75	685.97
7	1231.41	1.52	.84	1.75	22.58	57.24	41.17	57.17
8	996.36	2.34	6.23	3.25	37.75	988.61	960.32	82.45
9	642.25	2.37	1.39	10.68	26.47	204.13	5.75	55.52
10	5367.90	6.91	5.07	5.70	130.29	4765.76	1610.37	229.34
11	367.53	2.04	2.33	1.60	54.17	364.64	16.84	52.28
12	1008.51	4.86	2.55	12.54	95.39	.94	865.55	416.13
13	60.78	.69	.97	2.50	13.12	32.96	14.06	283.92
14	18818.22	1.87	7.23	.40	21.15	2391.72	2120.56	493.47
15	921.03	1.67	5.21	4.60	4.91	910.45	840.95	452.31
16	346.47	2.20	.18	2.60	5.39	347.47	320.17	410.64
17	1752.62	1.54	.71	2.60	11.63	1820.13	1650.12	762.96
18	2358.57	1.65	.87	1.75	23.58	81.67	60.72	130.00
19	1317.47	2.41	6.23	13.25	19.39	1368.77	1354.41	101.60
20	487.45	2.90	26.64	10.69	26.52	133.23	6.57	53.88
21	6825.81	7.08	5.51	5.70	164.86	5685.17	2047.74	406.86
22	557.68	2.33	3.44	1.50	56.16	555.74	16.66	101.60
23	762.46	5.32	3.26	16.21	99.02	692.09	580.75	438.70
24	162.94	.71	.97	2.50	8.59	145.26	143.16	295.49
25	9062.33	1.89	12.53	.40	23.92	864.87	851.16	500.72
26	331.03	1.67	5.21	4.60	6.16	298.75	285.46	459.11
27	128.65	2.20	.18	2.60	5.85	127.96	125.57	380.75
28	1506.71	1.56	.73	2.60	11.37	1495.17	1295.75	96.88
29	3463.73	1.61	.90	1.75	23.01	138.61	106.92	103.16
30	690.67	2.41	6.23	13.25	39.33	644.10	625.12	106.57
31	261.20	2.90	19.81	10.68	24.73	152.24	9.47	46.09
32	1572.02	7.18	6.64	14.35	173.08	1251.65	471.61	205.17
33	340.61	3.12	4.99	1.50	77.79	339.76	21.11	113.09
34	2601.95	8.17	5.98	17.59	25.84	2520.19	2375.50	517.34
35	101.07	.80	1.05	2.50	9.13	82.87	77.86	300.12
36	28892.49	1.90	15.45	.40	26.83	1218.98	1115.15	511.90
37	126.85	1.72	5.22	4.60	7.37	397.70	292.47	517.26
38	221.38	2.37	.55	12.60	6.77	220.47	215.15	360.17
39	795.20	1.61	.84	.01	15.41	790.17	780.15	755.42
40	1490.46	1.95	3.87	1.75	35.16	273.71	199.42	11096.00
41	466.63	2.41	6.23	13.25	48.51	406.75	395.35	102.63
42	642.25	2.37	1.39	10.68	26.47	204.13	5.75	55.52
43	5367.90	6.91	5.07	5.70	130.29	4756.75	1610.37	229.34
44	588.35	3.99	10.65	1.50	110.81	586.64	27.28	148.12
45	6063.17	8.31	6.17	17.59	27.51	6024.21	5645.50	733.57
46	474.90	.80	1.06	2.50	9.52	474.90	470.13	309.91
47	36590.10	1.90	19.24	.40	65.62	1858.82	1751.16	621.28
48	275.39	1.74	5.22	9.60	8.09	285.69	265.15	677.56
49	485.50	2.37	.55	12.60	7.74	490.14	475.15	365.14
50	473.24	1.61	.87	17.06	18.14	171.18	455.16	737.54

51	5173.21	2.25	4.34	1.75	36.13	347.06	250.61	115.04
52	1452.64	2.41	4.23	13.25	48.51	1227.10	1191.77	103.71
53	487.45	2.90	26.65	10.68	26.53	133.23	6.57	53.88
54	6625.81	7.08	5.51	5.70	164.86	5685.16	2047.74	406.86
55	833.52	3.63	13.43	24.45	120.69	821.33	32.95	202.23
56	10284.91	8.59	6.51	17.59	42.99	10138.53	9860.15	1274.44
57	1090.76	1.28	1.32	2.50	9.38	109076.00	224.00	333.68
58	55005.58	1.90	23.37	.40	69.42	6688.03	6545.15	1373.21
59	20.56	1.70	5.22	9.60	67.55	200.75	185.40	690.90
60	485.54	2.37	.55	12.60	7.82	495.75	485.18	598.14
61	2094.82	1.62	.90	17.06	18.47	2085.15	2001.15	796.65
62	191.87	2.31	4.90	1.75	38.99	427.90	307.71	95.33
63	683.65	2.41	6.23	13.25	49.32	638.64	599.88	106.99
64	261.20	2.90	19.81	10.68	24.73	152.24	9.47	46.09
65	1572.02	7.18	6.64	14.35	173.08	1251.65	471.61	205.15
66	1304.47	3.99	12.43	165.70	129.70	1289.61	35.67	345.61

LAMPIRAN 3. ANALISIS REGRESI (FULL REGRESSION)

----- REGRESSION ANALYSIS -----

HEADER DATA FOR: A:UMAR LABEL:
 NUMBER OF CASES: 66 NUMBER OF VARIABLES: 8

INDEX	NAME	MEAN	STD.DEV.
1	X1	2.9253	2.0440
2	X2	5.8342	6.3931
3	X3	9.6732	20.3964
4	X4	45.4791	46.5674
5	X5	2949.2071	13401.0991
6	X6	955.3733	1609.8737
7	X7	520.6933	1350.9537
DEP. VAR.:	Y	4112.3143	9523.2016

DEPENDENT VARIABLE: Y

VAR.	REGRESSION COEFFICIENT	STD. ERROR	T(DF= 58)	PKGB.	PARTIAL r^2
X1	-3325.1699	648.0509	-5.131	.00000	.3122
X2	532.7640	126.4696	4.213	.00009	.2343
X3	-62.6561	39.9532	-1.568	.12227	.0407
X4	96.2452	25.5487	3.767	.00039	.1966
X5	.0039	.0562	.067	.94675	7.75711E-05
X6	4.5376	.6083	7.460	.00000	.4897
X7	.0452	.5791	.078	.93812	1.04813E-04
CONSTANT	2589.9538				

STD. ERROR OF EST. = 6247.6469
 ADJUSTED R SQUARED = .5696
 R SQUARED = .6160
 MULTIPLE R = .7848

ANALYSIS OF VARIANCE TABLE

SOURCE	SUM OF SQUARES	D.F.	MEAN SQUARE	F RATIO	PROB.
REGRESSION	3631019638.9311	7	518717091.2759	13.289	4.380E-10
RESIDUAL	2263919343.9292	58	39033092.1367		
TOTAL	5894938982.8603	65			

OBSERVED	CALCULATED	RESIDUAL	STANDARDIZED RESIDUALS
1	2312.400	7010.120	-4697.7196
2	401.460	2324.261	-1922.8014
3	31430.110	10460.191	20969.9195
4	926.710	4234.590	-3307.8801
5	122.210	-4898.748	5020.9577
6	1452.600	4463.800	-3011.2000
7	1231.410	236.404	995.0059
8	996.360	5922.954	-4926.5941
9	642.250	-2642.319	3284.5688
10	5367.900	1833.012	3534.8879
11	367.530	2241.497	-1873.9673

1	1000.000	1000.000	574.6611	
2	1000.000	1000.000	-1934.4320	
3	1000.000	1000.000	6929.9996	
4	1000.000	1000.000	-2915.6309	
5	140.477	-2800.7657	3147.4265	*
6	1000.000	1000.000	-4560.4438	
7	1000.000	1000.000	2350.1153	*
8	1000.000	1000.000	-6687.0364	
9	1000.000	1000.000	-8567.7368	
10	1000.000	1000.000	2374	
11	1000.000	1000.000	-1519.9117	*
12	1000.000	1000.000	2953.3207	*
13	1000.000	1000.000	-1916.5463	*
14	1000.000	1000.000	-53.9398	*
15	1000.000	1000.000	-1103.4506	*
16	1000.000	1000.000	3770.5664	*
17	1000.000	1000.000	-3106.1385	*
18	1000.000	1000.000	3152.4967	*
19	1000.000	1000.000	-3003.7604	*
20	1000.000	1000.000	-4996.4397	*
21	1000.000	1000.000	1406.0916	*
22	1000.000	1000.000	-2028.4571	*
23	1000.000	1000.000	11795.5228	*
24	1000.000	1000.000	-1477.4031	*
25	26692.490	12148.538	16743.9522	>*
26	106.857	1424.827	-1297.9774	*
27	221.380	-4142.172	4363.5519	*
28	795.201	2743.688	-1948.4875	*
29	1490.460	2848.999	-1358.5385	*
30	466.630	3534.246	-3067.6164	*
31	642.250	-2642.319	3284.5688	*
32	5367.901	1832.977	3534.9231	*
33	588.350	5700.173	-5111.8227	*
34	6063.170	5464.337	598.8329	*
35	474.900	3403.283	-2928.3832	*
36	36590.100	20794.476	15795.6242	>*
37	275.390	997.173	-721.7828	*
38	485.500	-2867.754	3353.2542	*
39	473.240	476.225	-2.9853	*
40	5173.210	1931.931	3241.2786	*
41	1452.640	6085.825	-4633.1854	*
42	487.450	9062.105	-8574.6555	*
43	6825.810	6825.573	2374	*
44	833.520	7920.351	-7086.8306	*
45	10284.910	25369.292	-15084.3823	<*
46	1090.760	1240.726	-149.9657	*
47	55005.580	45166.660	9838.9198	*
48	20.560	6491.313	-6470.7527	*
49	485.540	-2803.999	3289.5393	*
50	2094.820	7515.983	-5421.1631	*
51	191.872	2564.554	-2372.6823	*
52	683.650	4541.388	-3857.7377	*
53	261.200	5257.640	-4996.4397	*
54	1572.020	165.928	1406.0925	*
55	1304.470	-1771.837	3076.3075	*

DURBIN-WATSON TEST = 2.0974

LAMPIRAN 4. ANALISIS MatriK KORELASI

----- CORRELATION MATRIX -----

HEADER DATA FOR: A:UMAR LABEL:
 NUMBER OF CASES: 66 NUMBER OF VARIABLES: 8

	X1	X2	X3	X4	X5	X6	X7
X1	1.00000						
X2	.12749	1.00000					
X3	.20108	.15141	1.00000				
X4	.69216	.18810	.28363	1.00000			
X5	-.00640	-.06698	-.03734	-.04190	1.00000		
X6	.48495	.15062	-.00773	.10388	.07238	1.00000	
X7	-.03374	-.03764	-.04468	-.04724	-.01007	.08770	1.00000

CRITICAL VALUE (1-TAIL, .05) = + Or - .20436

CRITICAL VALUE (2-tail, .05) = +/- .24208

N = 66

EMPIRAN 5.
ANALISIS RESIDIAL

ORDER DATA FOR: A:UMAR-HP LABEL:
NUMBER OF CASES: 48 NUMBER OF VARIABLES: 8

	RESIDUAL	X1	X2	X3	X4	X5	X6	X7
1	12.00	55.00	25.00	47.50	57.00	56.00	57.00	53.00
2	27.00	2.00	17.00	19.50	21.00	29.00	10.00	28.00
3	55.00	22.50	55.00	40.00	24.00	55.00	58.00	47.00
4	16.00	12.50	37.00	31.50	4.00	42.00	45.00	44.00
5	60.00	48.00	2.00	25.50	1.00	6.00	19.00	37.00
6	19.00	7.50	7.00	25.50	13.00	50.00	50.00	57.00
7	45.00	7.50	10.50	13.50	26.00	3.00	15.00	8.00
8	11.00	55.00	48.00	29.00	41.00	43.00	47.00	9.00
9	52.50	35.00	22.50	43.00	33.50	16.50	1.50	6.50
10	56.00	28.50	34.50	35.50	61.50	60.00	53.50	26.50
11	29.00	29.00	24.00	10.00	49.00	25.00	8.00	3.00
12	42.00	56.00	26.00	47.50	59.00	1.00	46.00	42.00
13	26.00	1.00	17.00	19.50	19.00	2.00	7.00	29.00
14	61.00	22.50	54.00	4.00	25.00	57.00	62.00	48.00
15	22.00	17.50	37.00	31.50	2.00	41.00	43.00	45.00
16	49.00	30.50	2.00	25.50	3.00	24.00	31.00	41.00
17	14.00	9.00	8.00	25.50	18.00	52.00	55.00	62.00
18	46.00	16.00	12.50	13.50	28.00	4.00	16.00	21.00
19	5.00	43.00	48.00	54.00	48.00	49.00	52.00	12.50
20	3.00	48.50	65.00	46.00	35.00	8.50	3.50	4.50
21	39.00	60.50	42.50	35.50	63.50	62.00	60.50	39.50
22	30.00	34.00	28.00	8.00	50.00	33.00	9.00	12.50
23	47.00	57.00	27.00	59.00	56.00	37.00	39.00	43.00
24	28.00	3.00	17.00	19.50	12.00	11.00	21.00	30.00
25	37.00	24.00	58.00	4.00	29.00	40.00	44.00	49.00
26	34.00	17.50	37.00	31.50	6.00	21.00	28.00	46.00
27	58.00	30.50	2.00	25.50	5.00	7.00	20.00	38.00
28	17.00	10.00	9.00	25.50	17.00	51.00	51.00	11.00
29	50.00	12.50	14.50	13.50	27.00	10.00	18.00	15.00
30	20.00	43.00	48.00	54.00	43.00	36.00	41.00	17.00
31	9.50	48.50	62.50	43.00	30.50	12.50	5.50	1.50
32	44.00	62.50	52.50	57.50	65.50	46.50	35.50	25.00
33	24.00	51.00	33.00	8.00	54.00	22.00	11.00	19.00
34	63.00	64.00	44.00	63.00	32.00	58.00	63.00	52.00
35	31.00	4.50	19.00	19.50	14.00	5.00	17.00	31.00
36	65.00	26.00	60.00	4.00	37.00	44.00	48.00	50.00
37	33.00	20.00	40.00	31.50	8.00	26.00	29.00	51.00
38	59.00	38.00	5.00	50.00	7.00	18.00	24.00	35.00
39	25.00	12.50	10.50	1.00	20.00	38.00	42.00	61.00
40	32.00	28.00	29.00	13.50	39.00	19.00	23.00	66.00
41	18.00	43.00	48.00	54.00	45.50	27.00	32.00	14.00
42	52.50	38.00	22.50	43.00	33.50	16.50	1.50	6.50
43	57.00	58.50	34.50	35.50	61.50	59.00	53.50	26.50
44	8.00	53.50	56.00	8.00	58.00	34.00	12.00	22.00
45	41.00	65.00	45.00	63.00	38.00	63.00	64.00	59.00
46	21.00	4.50	20.00	19.50	16.00	30.00	34.00	32.00
47	64.00	26.00	61.00	4.00	51.00	53.00	56.00	55.00
48	35.00	21.00	40.00	38.50	11.00	20.00	27.00	56.00

9	55.00	38.00	5.00	50.00	9.00	31.00	37.00	36.00
0	38.00	12.50	12.50	60.50	22.00	14.00	33.00	60.00
1	51.00	32.00	31.00	13.50	40.00	23.00	26.00	20.00
2	13.00	43.00	30.00	54.00	45.50	45.00	49.00	16.00
3	2.00	48.50	66.00	43.00	36.00	8.50	3.50	4.50
4	40.00	60.50	42.50	35.50	63.50	61.00	60.50	39.50
5	4.00	52.00	59.00	65.00	59.00	39.00	13.00	23.00
6	1.00	66.00	51.00	63.00	44.00	65.00	66.00	64.00
7	36.00	6.00	21.00	19.50	15.00	66.00	25.00	33.00
8	62.00	26.00	64.00	4.00	53.00	64.00	65.00	65.00
9	6.00	19.00	40.00	38.50	52.00	15.00	22.00	58.00
0	54.00	38.00	5.00	50.00	10.00	32.00	38.00	54.00
1	7.00	15.00	14.50	60.50	23.00	54.00	59.00	63.00
2	23.00	33.00	32.00	13.50	42.00	28.00	30.00	10.00
3	15.00	43.00	48.00	54.00	47.00	35.00	40.00	18.00
4	9.50	48.50	62.50	43.00	30.50	12.50	5.50	1.50
5	45.00	62.50	52.50	57.50	65.50	46.50	35.50	24.00
6	48.00	53.50	57.00	66.00	60.00	48.00	14.00	34.00

EMPIRAN 6.
ANALISIS RESIDUAL

----- CORRELATION MATRIX -----

HEADER DATA FOR: A:UMAR-SP LABEL:
NUMBER OF CASES: 66 NUMBER OF VARIABLES: 8

RESIDUAL X1
RESIDUAL 1.00000
.03938 1.00000

CRITICAL VALUE (1-TAIL, .05) = + Or - .20436
CRITICAL VALUE (2-tail, .05) = +/- .24216

= 66

----- CORRELATION MATRIX -----

HEADER DATA FOR: A:UMAR-SP LABEL:
NUMBER OF CASES: 66 NUMBER OF VARIABLES: 8

RESIDUAL X2
RESIDUAL 1.00000
2 -.18665 1.00000

CRITICAL VALUE (1-TAIL, .05) = + Or - .20436
CRITICAL VALUE (2-tail, .05) = +/- .24208

= 66

----- CORRELATION MATRIX -----

HEADER DATA FOR: A:UMAR-SP LABEL:
NUMBER OF CASES: 66 NUMBER OF VARIABLES: 8

RESIDUAL X3
RESIDUAL 1.00000
3 -.17961 1.00000

CRITICAL VALUE (1-TAIL, .05) = + Or - .20436
CRITICAL VALUE (2-tail, .05) = +/- .24208

= 66

----- CORRELATION MATRIX -----

HEADER DATA FOR: A:UMAR-SP LABEL:
 NUMBER OF CASES: 66 NUMBER OF VARIABLES: 8

RESIDUAL X4
 RESIDUAL 1.00000
 X4 -.08077 1.00000

CRITICAL VALUE (1-TAIL, .05) = + Or - .20436
 CRITICAL VALUE (2-tail, .05) = +/- .24208

N = 66

----- CORRELATION MATRIX -----

HEADER DATA FOR: A:UMAR-SP LABEL:
 NUMBER OF CASES: 66 NUMBER OF VARIABLES: 8

RESIDUAL X5
 RESIDUAL 1.00000
 X5 .06490 1.00000

CRITICAL VALUE (1-TAIL, .05) = + Or - .20436
 CRITICAL VALUE (2-tail, .05) = +/- .24208

N = 66

----- CORRELATION MATRIX -----

HEADER DATA FOR: A:UMAR-SP LABEL:
 NUMBER OF CASES: 66 NUMBER OF VARIABLES: 8

RESIDUAL X6
 RESIDUAL 1.00000
 X6 .15714 1.00000

CRITICAL VALUE (1-TAIL, .05) = + Or - .20436
 CRITICAL VALUE (2-tail, .05) = +/- .24208

= 66

----- CORRELATION MATRIX -----

HEADER DATA FOR: A:UMAR-SP LABEL:
NUMBER OF CASES: 66 NUMBER OF VARIABLES: 8

RESIDUAL X7
RESIDUAL 1.00000
.22766 1.00000

CRITICAL VALUE (1-TAIL, .05) = + Or - .20436
CRITICAL VALUE (2-tail, .05) = +/- .24208

= 66

LAMPIRAN 7.

ANALISIS STEPWISE REGRESSION

----- REGRESSION ANALYSIS -----

HEADER DATA FOR: A:UMAR LABEL:
 NUMBER OF CASES: 66 NUMBER OF VARIABLES: 8

INDEX	NAME	MEAN	STD. DEV.
1	X1	2.9253	2.0440
2	X2	5.8342	6.3931
3	X3	9.6732	20.3964
4	X4	45.4791	46.5674
5	X5	2949.2071	13401.0991
6	X6	955.3733	1609.8737
7	X7	520.6933	1350.9537
DEP. VAR.:	Y	4112.3143	9523.2016

F TO ENTER = 1, F TO REMOVE = 1, TOLERANCE = .001

 STEP 1. VARIABLE: X6 ENTERED.

DEPENDENT VARIABLE: Y

VAR.	REGRESSION COEFFICIENT	STD. ERROR	F(1, 64)	PROB.
X6	3.1099	.6290	24.444	.00001
CONSTANT	1141.2174			

STD. ERROR OF EST. = 8164.0422

r SQUARED = .2764
 r = .5257

ANALYSIS OF VARIANCE TABLE

SOURCE	SUM OF SQUARES	D.F.	MEAN SQUARE	F RATIO	PROB.
REGRESSION	1629237519.2041	1	1629237519.2041	24.444	5.820E-06
RESIDUAL	4265701463.6562	64	66651585.3696		
TOTAL	5894938982.8603	65			

VARIABLES NOT IN EQUATION:

NAME	PARTIAL r ²	TOLERANCE	F TO ENTER	PROB.
X1	.1152	.7648	8.206	5.666E-03
X2	.1942	.9773	15.185	2.387E-04
X3	.0118	.9999	.753	.3889
X4	.0013	.9892	.081	.7764
X5	.0002	.9948	.011	.9170
X7	.0007	.9923	.042	.8381

 STEP 2. VARIABLE: X2 ENTERED.

DEPENDENT VARIABLE: Y

VAR.	REGRESSION COEFFICIENT	STD. ERROR	F(1, 63)	PROB.	PARTIAL r ²
X2	564.8858	144.9595	15.185	.00024	.1942
X6	2.7720	.5757	23.187	.00001	.2690
CONSTANT	-1831.6530				

STD. ERROR OF EST. = 7386.3900

ADJUSTED R SQUARED = .3984
 R SQUARED = .4169
 MULTIPLE R = .6457

ANALYSIS OF VARIANCE TABLE

SOURCE	SUM OF SQUARES	D.F.	MEAN SQUARE	F RATIO	PROB.
REGRESSION	2457737257.3283	2	1228868628.6642	22.524	4.172E-08
RESIDUAL	3437201725.5320	63	54558757.5481		
TOTAL	5894938982.8603	65			

VARIABLES NOT IN EQUATION:

NAME	PARTIAL r ²	TOLERANCE	F TO ENTER	PROB.
X1	.1660	.7618	12.522	7.688E-04
X3	.0397	.9761	2.562	.1146
X4	.0022	.9588	.136	.7133
X5	.0006	.9886	.036	.8497
X7	.0029	.9897	.183	.6705

 STEP 3. VARIABLE: X1 ENTERED.

DEPENDENT VARIABLE: Y

VAR.	REGRESSION COEFFICIENT	STD. ERROR	F(1, 62)	PROB.	PARTIAL r ²
X1	-1670.8266	472.1694	12.522	.00077	.1680
X2	594.6461	133.5482	19.826	.00004	.2423
X6	3.7830	.6015	39.557	.00000	.3895
CONSTANT	1916.5143				

STD. ERROR OF EST. = 6791.4234

ADJUSTED R SQUARED = .4914
 R SQUARED = .5149
 MULTIPLE R = .7176

ANALYSIS OF VARIANCE TABLE

SOURCE	SUM OF SQUARES	D.F.	MEAN SQUARE	F RATIO	PROB.
REGRESSION	3035286182.3893	3	1011762060.7964	21.936	8.439E-10
RESIDUAL	2859652800.4710	62	46123432.2657		
TOTAL	5894938982.8603	65			

VARIABLES NOT IN EQUATION:

NAME	PARTIAL r ²	TOLERANCE	F TO ENTER	PROB.
X3	.0142	.9255	.879	.3521
X4	.1745	.4342	12.892	6.588E-04
X5	.0001	.9867	.003	.9550
X7	.0005	.9826	.028	.8672

STEP 4. VARIABLE: X4 ENTERED.

DEPENDENT VARIABLE: Y

VAR.	REGRESSION COEFFICIENT	STD. ERROR	F(1, 61)	PROB.	PARTIAL r ²
X1	-3377.9179	642.7272	27.621	.00000	.3117
X2	508.9962	124.6343	16.678	.00013	.2147
X4	90.2943	25.1473	12.892	.00000	.1745
X6	4.6140	.5976	59.614	.00000	.4943
CONSTANT	2509.5307				

STD. ERROR OF EST. = 6220.9472

ADJUSTED R SQUARED = .5733

R SQUARED = .5995

MULTIPLE R = .7743

ANALYSIS OF VARIANCE TABLE

SOURCE	SUM OF SQUARES	D.F.	MEAN SQUARE	F RATIO	PROB.
REGRESSION	3534227784.7636	4	883556946.1909	22.831	1.457E-11
RESIDUAL	2360711198.0967	61	38700183.5754		
TOTAL	5894938982.8603	65			

VARIABLES NOT IN EQUATION:

NAME	PARTIAL r ²	TOLERANCE	F TO ENTER	PROB.
X3	.0408	.9049	2.554	.1153
X5	.0001	.9867	.008	.9301
X7	.0002	.9822	.012	.9133

STEP 5. VARIABLE: X3 ENTERED.

DEPENDENT VARIABLE: Y

VAR.	REGRESSION COEFFICIENT	STD. ERROR	F(1, 60)	PROB.	PARTIAL r ²
X1	-3329.7518	635.4081	27.461	.00000	.3140
X2	531.7000	123.8935	18.418	.00007	.2349
X3	-62.7622	39.2716	2.554	.11526	.0408
X4	96.2837	25.1142	14.698	.00030	.1968
X6	4.5466	.5916	59.059	.00000	.4960
CONSTANT	2635.2657				

STD. ERROR OF EST. = 6143.1839

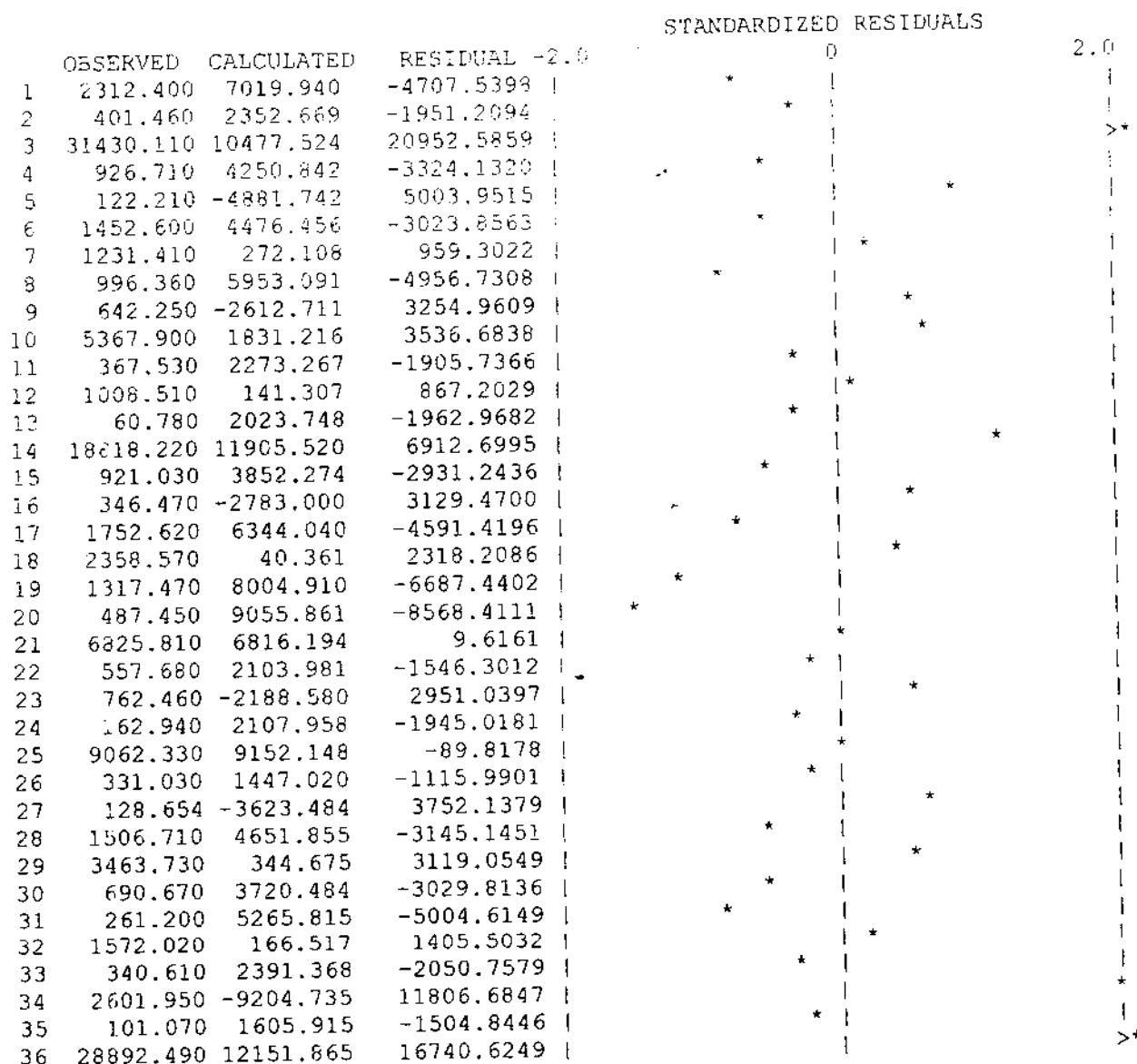
ADJUSTED R SQUARED = .5839
 R SQUARED = .6159
 MULTIPLE R = .7848

ANALYSIS OF VARIANCE TABLE

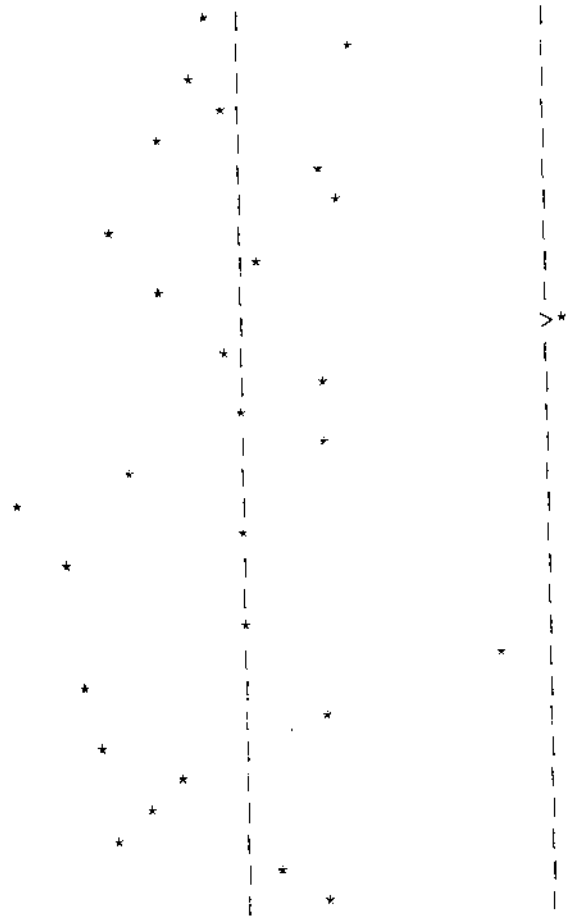
SOURCE	SUM OF SQUARES	D.F.	MEAN SQUARE	F RATIO	PROB.
REGRESSION	3630616500.4804	5	726123300.0961	19.241	2.228E-11
RESIDUAL	2264322482.3799	60	37738708.0397		
TOTAL	5894938982.8603	65			

VARIABLES NOT IN EQUATION:

NAME	PARTIAL r ²	TOLERANCE	F TO ENTER	PROB.
X5	.0001	.9865	.004	.9478
X7	.0001	.9817	.006	.9389



37	126.850	1434.225	-1307.3746
38	221.380	-4124.567	4345.9466
39	795.200	2751.152	-1955.9517
40	1490.460	2382.119	-891.6588
41	466.630	3559.688	-3093.0584
42	642.250	-2612.711	3254.9609
43	5367.900	1831.216	3536.6838
44	588.350	5711.246	-5122.8963
45	6063.170	5458.401	604.7693
46	474.900	3432.289	-2957.3893
47	36590.100	20793.556	15796.5444
48	275.390	998.929	-723.5388
49	485.500	-2849.047	3334.5473
50	473.240	482.252	-9.0119
51	5173.210	1959.230	3213.9805
52	1452.640	6117.316	-4664.6764
53	487.450	9062.769	-8575.3185
54	6825.810	6816.194	9.6161
55	833.520	7924.753	-7091.2326
56	10284.910	25359.779	-13074.8689
57	1090.760	839.708	251.0516
58	55005.580	45151.859	9853.7208
59	20.560	6494.554	-6473.9936
60	485.540	-2795.742	3281.2819
61	2094.820	7525.725	-5430.9054
62	191.872	2592.180	-2400.3084
63	683.650	4567.601	-3883.9507
64	261.200	5265.815	-5004.6149
65	1572.020	166.517	1405.5032
66	1304.470	-1790.937	3095.4070



DURBIN-WATSON TEST = .2.0925

□

LAMPIRAN: 9.

HEADER DATA FOR: B:UMAR-3 LABEL: Perbedaan Volume Usaha
 NUMBER OF CASES: 33 NUMBER OF VARIABLES: 2

	Sebelum	Sesudah
1	2312.400	2601.954
2	401.457	101.071
3	31430.107	28892.489
4	326.706	126.852
5	122.215	221.383
6	1452.600	795.198
7	1231.406	1490.463
8	996.361	466.628
9	642.251	642.251
10	5367.900	5367.900
11	367.529	588.540
12	1008.514	6063.174
13	60.781	474.902
14	18818.220	36590.101
15	921.032	275.391
16	346.476	485.500
17	1752.625	473.238
18	2358.571	5173.212
19	1317.472	1452.643
20	487.446	487.466
21	6825.806	6825.806
22	557.677	833.525
23	762.460	10284.990
24	162.940	1090.757
25	9062.326	55005.584
26	331.034	20.858
27	128.652	485.537
28	1506.708	2094.820
29	3463.726	191.873
30	690.667	683.653
31	261.202	261.202
32	1572.020	1572.020
33	340.608	1304.468

----- DESCRIPTIVE STATISTICS -----

HEADER DATA FOR: B:UMAR-3 LABEL: Perbedaan Volume Usaha
 NUMBER OF CASES: 33 NUMBER OF VARIABLES: 2

NO.	NAME	N	MEAN	STD. DEV.	MINIMUM	MAXIMUM
1	Sebelum	33	2969.3302	6252.8525	60 7810	31430.1070
2	Sesudah	33	5255.3166	11934.1556	20.8580	55005.5840

----- HYPOTHESIS TESTS FOR MEANS -----

HEADER DATA FOR: B:UMAR-3 LABEL: Perbedaan Volume Usaha
 NUMBER OF CASES: 33 NUMBER OF VARIABLES: 2

DIFFERENCE BETWEEN MEANS: PAIRED OBSERVATIONS

HEADER DATA FOR: B:UMAR-3 LABEL: Perbedaan Volume Usaha
 NUMBER OF CASES: 33 NUMBER OF VARIABLES: 2

HYPOTHESIZED DIFF. = .0000
 MEAN = -2285.9865
 STD. DEV. = 8663.5354
 STD. ERROR = 1508.1279
 N = 33 (CASES = 1 TO 33)

T = -1.5158 (D.F. = 32) GROUP 1: Sebelum
 GROUP 2: Sesudah

PROB. = .0697

LAMPIRAN

LAMPIRAN: Vib

Tabel 6b. Nilai F. 05†

Derajat kebebasan untuk pembilang

	1	2	3	4	5	6	7	8	9	10	12	15	20	24	30	40	60	120	∞
1	161	200	216	225	230	234	237	239	241	242	244	246	248	249	250	251	252	253	254
2	18.5	19.0	19.2	19.2	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5
3	10.1	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.74	8.70	8.66	8.64	8.62	8.59	8.57	8.55	8.53
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.91	5.86	5.80	5.77	5.75	5.72	5.69	5.66	5.63
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.68	4.62	4.56	4.53	4.50	4.46	4.43	4.40	4.37
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.00	3.94	3.87	3.84	3.81	3.77	3.74	3.70	3.67
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.57	3.51	3.44	3.41	3.38	3.34	3.30	3.27	3.23
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.28	3.22	3.15	3.12	3.08	3.04	3.01	2.97	2.93
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.07	3.01	2.94	2.90	2.86	2.83	2.79	2.75	2.71
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.91	2.85	2.77	2.74	2.70	2.66	2.62	2.58	2.54
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.79	2.72	2.65	2.61	2.57	2.53	2.49	2.45	2.40
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.69	2.62	2.54	2.51	2.47	2.43	2.38	2.34	2.30
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.60	2.53	2.46	2.42	2.38	2.34	2.30	2.25	2.21
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.53	2.46	2.39	2.35	2.31	2.27	2.22	2.18	2.13
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.48	2.40	2.33	2.29	2.25	2.20	2.16	2.11	2.07
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.42	2.35	2.28	2.24	2.19	2.15	2.11	2.06	2.01
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.38	2.31	2.23	2.19	2.15	2.10	2.06	2.01	1.96
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.34	2.27	2.19	2.15	2.11	2.06	2.02	1.97	1.92
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.31	2.23	2.16	2.11	2.07	2.03	1.98	1.93	1.88
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.28	2.20	2.12	2.08	2.04	1.99	1.95	1.90	1.84
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.25	2.18	2.10	2.05	2.01	1.96	1.92	1.87	1.81
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.23	2.15	2.07	2.03	1.98	1.94	1.89	1.84	1.78
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.20	2.13	2.05	2.01	1.96	1.91	1.86	1.81	1.76
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.18	2.11	2.03	1.98	1.94	1.89	1.84	1.79	1.73
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.16	2.09	2.01	1.96	1.92	1.87	1.82	1.77	1.71
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.09	2.01	1.93	1.89	1.84	1.79	1.74	1.68	1.62
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.00	1.92	1.84	1.79	1.74	1.69	1.64	1.58	1.51
60	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99	1.92	1.84	1.75	1.70	1.65	1.59	1.53	1.47	1.39
120	3.92	3.07	2.68	2.45	2.29	2.18	2.09	2.02	1.96	1.91	1.83	1.75	1.66	1.61	1.55	1.50	1.43	1.35	1.25
∞	3.84	3.00	2.60	2.37	2.21	2.10	2.01	1.94	1.88	1.83	1.75	1.67	1.57	1.52	1.46	1.39	1.32	1.22	1.00

† Tabel ini dikutip dari M. Merrington and C.M. Thompson, "Tables of percentage points of the inverted beta (F) distribution,"

Biometrika, Vol. 33 (1943).

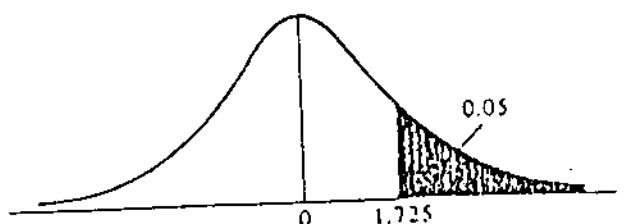
TABLE B-2
Percentage points of the *t* distribution

Example

$Pr(t > 2.086) = 0.025$

$Pr(t > 1.725) = 0.05$ for $df = 20$

$Pr(|t| > 1.725) = 0.10$



Pr df	0.25 0.50	0.10 0.20	0.05 0.10	0.025 0.05	0.01 0.02	0.005 0.010	0.001 0.002
1	1.000	3.078	6.314	12.706	31.821	63.657	318.31
2	0.816	1.886	2.920	4.303	6.965	9.925	22.327
3	0.765	1.638	2.353	3.182	4.541	5.841	10.214
4	0.741	1.533	2.132	2.776	3.747	4.604	7.173
5	0.727	1.476	2.015	2.571	3.365	4.032	5.893
6	0.718	1.440	1.943	2.447	3.143	3.707	5.208
7	0.711	1.415	1.895	2.365	2.998	3.499	4.785
8	0.706	1.397	1.860	2.306	2.896	3.355	4.501
9	0.703	1.383	1.833	2.262	2.821	3.250	4.297
10	0.700	1.372	1.812	2.228	2.764	3.169	4.144
11	0.697	1.363	1.796	2.201	2.718	3.106	4.025
12	0.695	1.356	1.782	2.179	2.681	3.055	3.930
13	0.694	1.350	1.771	2.160	2.650	3.012	3.852
14	0.692	1.345	1.761	2.145	2.624	2.977	3.787
15	0.691	1.341	1.753	2.131	2.602	2.947	3.733
16	0.690	1.337	1.746	2.120	2.583	2.921	3.686
17	0.689	1.333	1.740	2.110	2.567	2.898	3.646
18	0.688	1.330	1.734	2.101	2.552	2.878	3.610
19	0.688	1.328	1.729	2.093	2.539	2.861	3.579
20	0.687	1.325	1.725	2.086	2.528	2.845	3.552
21	0.686	1.323	1.721	2.080	2.518	2.831	3.527
22	0.686	1.321	1.717	2.074	2.508	2.819	3.505
23	0.685	1.319	1.714	2.069	2.500	2.807	3.485
24	0.685	1.318	1.711	2.064	2.492	2.797	3.467
25	0.684	1.316	1.708	2.060	2.485	2.787	3.450
26	0.684	1.315	1.706	2.056	2.479	2.779	3.435
27	0.684	1.314	1.703	2.052	2.473	2.771	3.421
28	0.683	1.313	1.701	2.048	2.467	2.763	3.408
29	0.683	1.311	1.699	2.045	2.462	2.756	3.396
30	0.683	1.310	1.697	2.042	2.457	2.750	3.385
40	0.681	1.303	1.684	2.021	2.423	2.704	3.307
60	0.679	1.296	1.671	2.000	2.390	2.660	3.232
120	0.677	1.289	1.658	1.980	2.358	2.617	3.160
∞	0.674	1.282	1.645	1.960	2.326	2.576	3.090

Note: The smaller probability shown at the head of each column is the area in one tail; the larger probability is the area in both tails.

Source: From E. S. Pearson and H. O. Hartley, eds., *Biometrika Tables for Statisticians*, vol. 1, 3d ed., table 12, Cambridge University Press, New York, 1966. Reproduced by permission of the editors and trustees of *Biometrika*.

TABEL D NILAI-NILAI STATISTIK DURBIN-WATSON

Nilai signifikan 5 persen dari d_L dan d_U (untuk uji eka-srah)

n	k = 1		k = 2		k = 3		k = 4		k = 5	
	d_L	d_U	d_L	d_U	d_L	d_U	d_L	d_U	d_L	d_U
15	1,08	1,36	0,95	1,54	0,82	1,75	0,69	1,97	0,56	2,21
16	1,10	1,37	0,98	1,54	0,86	1,73	0,74	1,93	0,62	2,15
17	1,13	1,38	1,02	1,54	0,90	1,71	0,78	1,90	0,67	2,10
18	1,16	1,39	1,05	1,53	0,93	1,69	0,82	1,87	0,71	2,06
19	1,18	1,40	1,08	1,53	0,97	1,68	0,86	1,85	0,75	2,02
20	1,20	1,41	1,10	1,54	1,00	1,68	0,90	1,83	0,79	1,99
21	1,22	1,42	1,13	1,54	1,03	1,67	0,93	1,81	0,83	1,96
22	1,24	1,43	1,15	1,54	1,05	1,66	0,96	1,80	0,86	1,94
23	1,26	1,44	1,17	1,54	1,08	1,66	0,99	1,79	0,90	1,92
24	1,27	1,45	1,19	1,55	1,10	1,66	1,01	1,78	0,93	1,90
25	1,29	1,45	1,21	1,55	1,12	1,66	1,04	1,77	0,95	1,89
26	1,30	1,46	1,22	1,55	1,14	1,65	1,06	1,76	0,98	1,88
27	1,32	1,47	1,24	1,56	1,16	1,65	1,08	1,76	1,01	1,86
28	1,33	1,48	1,26	1,56	1,18	1,65	1,10	1,75	1,03	1,85
29	1,34	1,48	1,27	1,56	1,20	1,65	1,12	1,74	1,05	1,84
30	1,35	1,49	1,28	1,57	1,21	1,65	1,14	1,74	1,07	1,83
31	1,36	1,50	1,30	1,57	1,23	1,65	1,16	1,74	1,09	1,83
32	1,37	1,50	1,31	1,57	1,24	1,65	1,18	1,73	1,11	1,82
33	1,38	1,51	1,32	1,58	1,26	1,65	1,19	1,73	1,13	1,81
34	1,39	1,51	1,33	1,58	1,27	1,65	1,21	1,73	1,15	1,81
35	1,40	1,52	1,34	1,58	1,28	1,65	1,22	1,73	1,16	1,80
36	1,41	1,52	1,35	1,59	1,29	1,65	1,24	1,73	1,18	1,80
37	1,42	1,53	1,36	1,59	1,31	1,66	1,25	1,72	1,19	1,80
38	1,43	1,54	1,37	1,59	1,32	1,66	1,26	1,72	1,21	1,79
39	1,43	1,54	1,38	1,60	1,33	1,66	1,27	1,72	1,22	1,79
40	1,44	1,54	1,39	1,60	1,34	1,66	1,29	1,72	1,23	1,79
45	1,48	1,57	1,43	1,62	1,38	1,67	1,34	1,72	1,29	1,78
50	1,50	1,59	1,46	1,63	1,42	1,67	1,38	1,72	1,34	1,77
55	1,53	1,60	1,49	1,64	1,45	1,68	1,41	1,72	1,38	1,77
60	1,55	1,62	1,51	1,65	1,48	1,69	1,44	1,73	1,41	1,77
65	1,57	1,63	1,54	1,66	1,50	1,70	1,47	1,73	1,44	1,77
70	1,58	1,64	1,55	1,67	1,52	1,70	1,49	1,74	1,46	1,77
75	1,60	1,65	1,57	1,68	1,54	1,71	1,51	1,74	1,49	1,77
80	1,61	1,66	1,59	1,69	1,56	1,72	1,53	1,74	1,51	1,77
85	1,62	1,67	1,60	1,70	1,57	1,72	1,55	1,75	1,52	1,77
90	1,63	1,68	1,61	1,70	1,59	1,73	1,57	1,75	1,54	1,78
95	1,64	1,69	1,62	1,71	1,60	1,73	1,58	1,75	1,56	1,78
100	1,65	1,69	1,63	1,72	1,61	1,74	1,59	1,76	1,57	1,78

Sumber: J. Durbin dan G. S. Watson, "Testing for Serial Correlation in Least Squares Regression," *Biometrika* 38 (1951), hal. 159-177. Dicetak kembali dengan ijin.

k = jumlah regresor (variabel tak bebas)

Durbin-Watson *d* statistic: Significance points of d_L and d_U at 0.05 level of significance

n	$k=1$		$k=2$		$k=3$		$k=4$		$k=5$		$k=6$		$k=7$		$k=8$		$k=9$		$k=10$		
	d_L	d_U	d_L	d_U	d_L	d_U	d_L	d_U	d_L	d_U	d_L	d_U	d_L	d_U	d_L	d_U	d_L	d_U	d_L	d_U	
10	0.810	1.400	0.645	1.194	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	0.780	1.354	0.617	1.173	0.483	1.037	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	0.761	1.323	0.599	1.149	0.465	1.012	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	0.747	1.300	0.582	1.130	0.449	0.994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	0.736	1.282	0.569	1.114	0.435	0.979	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	0.728	1.269	0.557	1.101	0.423	0.966	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	0.722	1.259	0.547	1.089	0.412	0.954	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	0.717	1.251	0.538	1.079	0.402	0.943	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	0.713	1.245	0.530	1.070	0.393	0.933	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	0.710	1.240	0.523	1.063	0.385	0.924	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	0.707	1.236	0.517	1.057	0.378	0.916	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	0.705	1.233	0.512	1.052	0.372	0.909	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	0.703	1.230	0.507	1.047	0.366	0.903	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	0.702	1.228	0.503	1.043	0.361	0.897	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	0.701	1.226	0.500	1.040	0.357	0.892	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	0.700	1.225	0.497	1.037	0.354	0.888	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	0.700	1.224	0.495	1.035	0.351	0.885	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	0.700	1.223	0.493	1.033	0.348	0.882	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	0.700	1.222	0.492	1.032	0.346	0.880	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	0.700	1.222	0.491	1.031	0.344	0.878	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	0.700	1.221	0.490	1.030	0.342	0.876	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	0.700	1.221	0.489	1.029	0.341	0.875	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
32	0.700	1.221	0.489	1.029	0.340	0.874	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33	0.700	1.221	0.488	1.028	0.339	0.873	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	0.700	1.221	0.488	1.028	0.338	0.872	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35	0.700	1.221	0.488	1.028	0.337	0.871	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	0.700	1.221	0.488	1.028	0.337	0.871	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
37	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
38	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
39	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
41	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
42	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
43	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
44	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
45	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
46	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
47	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
48	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
49	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
50	0.700	1.221	0.488	1.028	0.336	0.870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Source: This table is an extension of the original Durbin-Watson table and is reproduced from N. E. Savin and K. J. White, "The Durbin-Watson Test for Serial Correlation with Extreme Small Samples or Many Regressors," *Econometrica*, vol. 45, November 1977, pp. 1989-96 and is corrected by Z. W. Farebrother, *Econometrica*, vol. 48, September 1980, p. 1554. Reprinted by permission of the Econometric Society.

Note: n = number of observations
 k = number of explanatory variables excluding the constant term.

Example: If $n = 40$ and $k = 4$, $d_L = 1.255$ and $d_U = 1.721$. If a computed J value is less than 1.255, there is evidence of positive first-order serial correlation. If it is greater than 1.721 there is no evidence of positive first-order serial correlation, but if J lies between the lower and the upper limit, there is inclusive evidence regarding the presence or a absence of positive first-order serial correlation.