

Lampiran 2. Perintah Analisis Data Penelitian (2SLS)

Perintah Syslin

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DATA kedelai1;
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INPUT TAHUN LAKI HKDI HKJI QKed;
CARDS;
1990 1334100.00 767.37 267.95 1487430.00
1991 1368200.00 779.71 247.70 1555450.00
1992 1665000.00 847.92 273.35 1869710.00
1993 1470210.00 917.20 339.51 1708530.00
1994 1406920.00 1002.25 394.09 1564850.00
1995 1477430.00 1020.15 477.61 1680010.00
1996 1273290.00 1122.89 499.05 1517180.00
1997 1119080.00 1220.53 868.85 1356890.00
1998 1095070.00 2071.13 1073.87 1305640.00
1999 1151080.00 2442.61 930.32 1382850.00
2000 825000.00 2410.72 1230.54 1017630.00
2001 678848.00 2664.77 1212.02 826932.00
2002 544522.00 2835.07 1255.02 673056.00
2003 526796.00 2894.82 1366.81 671600.00
2004 565155.00 3499.49 1338.40 723483.00
2005 621541.00 3875.86 1501.98 808353.00
2006 580534.00 4035.87 1707.97 747611.00
2007 459116.00 4587.90 2499.52 592634.00
2008 591899.00 7500.05 2730.71 776491.00
2009 722791.00 8605.00 2933.90 974512.00
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DATA kedelai2;
```

```
INPUT TAHUN QD JP I HT IMKI HDun ;
CARDS;
1990 1909982 184346 6180000 1951 541060 423.65
1991 2013765 187452 6180000 1948 672757 440.23
1992 2322742 190512 6798000 2031 694133 453.64
1993 2206047 193526 8034000 2277 723864 504.29
1994 2131758 196488 8961000 2137 800461 525.80
1995 2138020 199400 10094000 2253 607393 551.61
1996 2182590 202257 11124000 2536 746329 691.07
1997 1794536 205063 11124000 2838 616375 1357.80
1998 1282157 207839 6695000 5145 343124 1877.85
1999 2511560 210611 5871000 7194 1301755 1306.40
2000 2140767 213395 5768000 8276 1277685 1851.84
2001 1962163 216203 6798000 7045 1136419 1882.40
2002 1832027 219026 7416000 7533 1365253 1802.97
2003 1675580 221839 9167000 6923 1192717 2048.53
2004 1640176 224607 11021000 7167 1117790 2991.38
2005 1703853 227303 12566000 7358 1086178 2703.25
2006 1583731 229919 14111000 7842 1132144 2336.18
2007 2725000 232462 16480000 10298 2240795 3155.37
2008 1833045 234951 20085000 11886 1173097 6502.53
2009 2169000 237414 22248000 11620 1314620 7005.92
```

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;
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DATA kedelai3;

INPUT TAHUN QS IMKI_1 RHKDI PSKD ;
CARDS;

1990	2028413	390471	1.81	1.11
1991	2228072	541060	1.77	1.14
1992	2559798	672757	1.87	1.12
1993	2431454	694133	1.82	1.16
1994	2365046	723864	1.91	1.11
1995	2287007	800461	1.85	1.14
1996	2262791	607393	1.62	1.19
1997	1972886	746329	0.90	1.21
1998	1648721	616375	1.10	1.19
1999	2683987	343124	1.87	1.20
2000	2293687	1301755	1.30	1.23
2001	1960399	1277685	1.42	1.22
2002	2037009	1136419	1.57	1.24
2003	1862576	1365253	1.41	1.27
2004	1838879	1192717	1.17	1.28
2005	1892568	1117790	1.43	1.30
2006	1874348	1086178	1.73	1.29
2007	2830361	1132144	1.45	1.29
2008	1948010	2240795	1.47	1.31
2009	2288639	1173097	1.56	1.35

;

DATA kedelai;

MERGE kedelai1 kedelai2 kedelai3; BY TAHUN;

RUN;

PROC SYSLIN SIMPLE 2SLS DATA=kedelai;
ENDOGENOUS LAKI PSKD QKed QD IMKI HKDI
;

INSTRUMENTS HKJI JP I HT HDun QS RHKDI
;

LAKI : MODEL LAKI = RHKDI HKJI /DW ;
PSKD : IDENTITY PSKD = PSKD + 0 ;
QKed : MODEL QKed = HKDI LAKI PSKD IMKI_1 / DW ;
QD : MODEL QD = HKDI JP I HT /DW NOINT ;
IMKI : MODEL IMKI = QKed QD HDun /DW ;
HKDI : MODEL HKDI = QS QD HDun /DW ;

RUN;

Lampiran 3. Output Analisis Data Penelitian Metode 2SLS

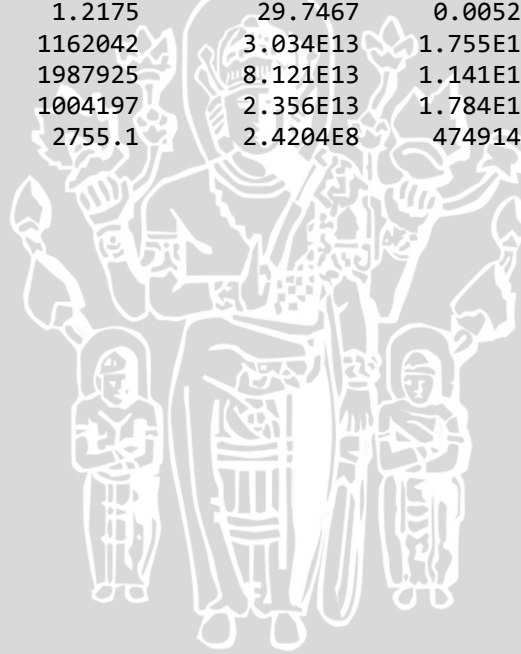
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The SYSLIN Procedure

Descriptive Statistics

Variables	Sum	Mean	Uncorrected SS	Variance	Std Deviation
Intercept	20.0000	1.0000	20.0000	0	0
HKJI	23149.2	1157.5	39432234	665159	815.6
JP	4234613	211731	9.018E11	2.7378E8	16546.4
I	2.0672E8	10336050	2.563E15	2.244E13	4737325
HT	116258	5812.9	8.9142E8	11348373	3368.7
HDun	40412.7	2020.6	1.4642E8	3408669	1846.3
QS	43294651	2164733	9.554E13	9.596E10	309767
RHKDI	31.0300	1.5515	49.6933	0.0816	0.2856
IMKI_1	19159800	957990	2.198E13	1.909E11	436875
LAKI	19476582	973829	2.199E13	1.59E11	398711
PSKD	24.3500	1.2175	29.7467	0.00529	0.0728
QKed	23240842	1162042	3.034E13	1.755E11	418903
QD	39758499	1987925	8.121E13	1.141E11	337809
IMKI	20083949	1004197	2.356E13	1.784E11	422320
HKDI	55101.3	2755.1	2.4204E8	4749145	2179.3



The SYSLIN Procedure
Two-Stage Least Squares Estimation

Model LAKI
Dependent Variable LAKI

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	2.121E12	1.061E12	20.05	<.0001
Error	17	8.993E11	5.29E10		
Corrected Total	19	3.02E12			

Root MSE 229999.866 R-Square 0.70226
Dependent Mean 973829.100 Adj R-Sq 0.66723
Coeff Var 23.61809

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	831705.8	349121.1	2.38	0.0292
RHKDI	1	351540.1	198375.4	1.77	0.0943
HKJI	1	-348.428	69.47838	-5.01	0.0001

Durbin-Watson 0.537147
Number of Observations 20
First-Order Autocorrelation 0.656467



The SYSLIN Procedure
Two-Stage Least Squares Estimation

Model QKED
Dependent Variable QKed

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	2.98E12	7.449E11	828.59	<.0001
Error	15	1.349E10	8.9904E8		
Corrected Total	19	3.321E12			

Root MSE 29983.9626 R-Square 0.99549
Dependent Mean 1161070.69 Adj R-Sq 0.99429
Coeff Var 2.58244

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-1520104	526478.9	-2.89	0.0113
HKDI	1	-12.4044	14.93483	-0.83	0.4192
LAKI	1	1.151347	0.049316	23.35	<.0001
PSKD	1	1378699	429233.0	3.21	0.0058
IMKI_1	1	-0.09135	0.024295	-3.76	0.0019

Durbin-Watson 2.016202
Number of Observations 20
First-Order Autocorrelation -0.0338



The SYSLIN Procedure
Two-Stage Least Squares Estimation

Model QD
Dependent Variable QD

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	7.936E13	1.984E13	170.27	<.0001
Error	16	1.864E12	1.165E11		
Uncorrected	20	8.121E13			
Total					

Root MSE 341338.787 R-Square 0.97705
 Dependent Mean 1987924.95 Adj R-Sq 0.97131
 Coeff Var 17.17061

NOTE: The NOINT option changes the definition of the R-Square statistic to:
 1 - (Residual Sum of Squares/Uncorrected Total Sum of Squares).

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
HKDI	1	-684.434	278.7360	-2.46	0.0259
JP	1	8.307869	1.399284	5.94	<.0001
I	1	0.071394	0.035761	2.00	0.0632
HT	1	207.1213	109.1226	1.90	0.0759

Durbin-Watson 2.377261
 Number of Observations 20
 First-Order Autocorrelation -0.20758



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The SYSLIN Procedure
Two-Stage Least Squares Estimation

Model IMKI
Dependent Variable IMKI

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	3.012E12	1.004E12	153.02	<.0001
Error	16	1.05E11	6.562E9		
Corrected Total	19	3.389E12			

Root MSE 81006.0882 R-Square 0.96632
Dependent Mean 1004197.45 Adj R-Sq 0.96001
Coeff Var 8.06675

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	454296.0	186219.8	2.44	0.0267
QKed	1	-1.06804	0.112244	-9.52	<.0001
QD	1	0.931189	0.062335	14.94	<.0001
HDun	1	-35.7308	38.18242	-0.94	0.3633

Durbin-Watson 1.599384
Number of Observations 20
First-Order Autocorrelation 0.155722



The SYSLIN Procedure
Two-Stage Least Squares Estimation

Model HKDI
Dependent Variable HKDI

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1.7175E8	57250593	329.49	<.0001
Error	17	2953816	173753.9		
Uncorrected Total	20	1.741E8			

Root MSE 416.83797 R-Square 0.98309
 Dependent Mean 2507.02450 Adj R-Sq 0.98011
 Coeff Var 16.62680

NOTE: The NOINT option changes the definition of the R-Square statistic to:
 1 - (Residual Sum of Squares/Uncorrected Total Sum of Squares).

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
QS	1	-0.00217	0.001442	-1.51	0.1506
QD	1	0.002440	0.001561	1.56	0.1364
HDun	1	1.380042	0.080404	17.16	<.0001

Durbin-Watson 2.00141
 Number of Observations 20
 First-Order Autocorrelation -0.02563



Lampiran 4. Perhitungan Elastisitas Impor

$$\begin{aligned}
 1. \quad E_{Sr(QKed)} &= \frac{(\quad)}{(\quad)} \\
 &= \frac{(\quad, \quad, \quad)}{\quad} \\
 &= -1,22
 \end{aligned}$$

$$\begin{aligned}
 2. \quad E_{Sr(QD)} &= \frac{(\quad)}{(\quad)} \\
 &= \frac{(\quad, \quad, \quad)}{\quad} \\
 &= 1,84
 \end{aligned}$$

