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Lampiran 1. Data bulanan Variabel Endogen dan Eksogen Tahun 2016-2021

Tahun	Bulan	Indeks Harga Yang Diterima Petani	Indeks Harga Yang Dibayar Petani	Indek Harga Produsen	Indeks konsumsi Rumah Tangga	Indeks Biaya Modal
2021	Januari	107.16	110.65	7853	134.64	123.07
	Februari	107.38	110.72	7612	134.83	123.36
	Maret	107.53	111.07	7371	134.75	123.59
	April	107.79	110.95	7199	133.95	123.87
	Mei	108.02	111.68	7233	133.96	124.17
	Juni	107.82	111.7	7463	134.5	124.35
	Juli	107.97	111.72	7899	135.34	124.61
	Agustus	107.99	113.04	8152	136.34	124.86
	September	107.94	114.07	8255	136.74	125.06
	Oktober	108.06	115.26	8416	136.91	125.29
	November	108.44	116.23	8496	137.47	125.56
	Desember	109.12	118.23	8726	137.97	125.82
2020	Januari	105	109.37	8726	138.99	126.27
	Februari	105.42	108.95	8778	139.63	126.69
	Maret	105.57	107.78	8687	139.83	127.14
	April	105.67	106.01	8583	140.25	127.46
	Mei	105.66	105.1	8537	140.69	127.69
	Juni	105.77	105.35	8554	141.54	127.91
	Juli	105.75	105.85	8606	142.63	128.15
	Agustus	105.57	106.26	8635	143.77	128.44
	September	105.55	107.3	8624	143.85	128.64
	Oktober	105.8	108.17	8624	144.05	128.88
	November	106.22	109.26	8655	144.37	129.22
	Desember	106.69	110.15	8702	144.98	129.52
2019	Januari	102.15	102.8	8835	146.73	130.04
	Februari	102.07	102.58	8843	147.7	130.38
	Maret	102.14	102.53	8783	148.82	130.69
	April	102.52	102.69	8711	148.79	130.95
	Mei	103.07	102.99	8681	148.75	131.08
	Juni	103.5	102.92	8784	149.62	131.27
	Juli	103.84	103.69	9018	154.54	133.1
	Agustus	103.97	104.5	9057	156.13	133.51
	September	103.65	105.23	9058	156.26	133.91
	Oktober	103.71	105.77	9108	156.74	134.24
	November	104.01	106.54	9152	156.96	134.61
	Desember	104.22	107.72	9262	109.95	105.43
2018	Januari	130.76	134.57	9433	111.23	105.91

Tahun	Bulan	Indeks Harga Yang Diterima Petani	Indeks Harga Yang Dibayar Petani	Indek Harga Produsen	Indeks konsumsi Rumah Tangga	Indeks Biaya Modal
	Februari	131.25	134.31	9531	111.74	106.21
	Maret	131.45	133.99	9596	111.95	106.47
	April	131.62	133.74	9425	111.89	106.65
	Mei	131.93	134.56	9414	112.14	106.89
	Juni	132.33	135.04	9462	112.97	107.18
	Juli	133.2	135.42	9525	113.89	107.44
	Agustus	133.02	136.43	9525	114.31	107.65
	September	133.02	136.43	9694	114.83	107.91
	Oktober	133.02	136.43	9781	115.32	108.12
	November	133.02	136.43	9924	117.05	109.03
	Desember	133.02	136.43	10344	120.22	111.14
2017	Januari	126.84	128	10612	120.19	111.02
	Februari	127.27	127.69	10766	119.31	110.92
	Maret	127.25	127.19	10987	119.88	111.31
	April	127.07	127.08	10648	120.13	111.89
	Mei	127.82	128.02	10569	120.85	112.1
	Juni	128.1	128.78	10679	121.84	112.33
	Juli	128.28	129.12	10732	122.92	112.54
	Agustus	128.25	130.31	10935	123.5	112.68
	September	128.1	130.94	11055	123.47	112.93
	Oktober	128.03	131.59	11169	123.42	113.04
	November	128.41	132.34	11365	123.95	113.28
	Desember	129.4	133.35	11465	125.37	113.59
2016	Januari	122.2	125.31	10915	126.41	113.79
	Februari	122.35	125.08	11614	126.52	114.03
	Maret	123.18	124.81	11678	127.72	114.16
	April	122.68	124.18	11449	127.08	113.97
	Mei	122.8	124.7	11417	127.24	114.02
	Juni	123.37	125.18	11469	128	114.19
	Juli	124.06	125.78	11498	128.97	114.33
	Agustus	124.22	126.16	11475	129.04	114.61
	September	124.56	127.07	11448	129.46	114.8
	Oktober	124.66	126.79	11433	129.5	115
	November	125.49	127.13	11450	130.63	115.23
	Desember	125.94	127.81	11476	131.17	115.44

Lampiran 2. Nilai galat Persamaan Y_1 dan Persamaan Y_2

ε_1	ε_2	ε_{1-1}	ε_{2-1}	ε_1	ε_2	ε_{1-1}	ε_{2-1}
-2.24658	0.273296	0	0	0.270654	0.247538	0.271767	0.277928
-2.01916	0.202531	-2.24658	0.273296	0.116615	0.231125	0.270654	0.247538
-2.21221	0.167633	-2.01916	0.202531	0.216842	0.199452	0.116615	0.231125
-1.52654	0.001564	-2.21221	0.167633	0.013149	0.201449	0.216842	0.199452
-0.71895	-0.12035	-1.52654	0.001564	0.069582	0.186307	0.013149	0.201449
-0.19758	-0.13141	-0.71895	-0.12035	0.134939	0.15893	0.069582	0.186307
0.166313	-0.10134	-0.19758	-0.13141	0.263341	0.135135	0.134939	0.15893
0.604674	-0.0873	0.166313	-0.10134	0.152729	0.139518	0.263341	0.135135
0.724303	-0.08987	0.604674	-0.0873	0.571627	0.092446	0.152729	0.139518
1.290819	-0.14025	0.724303	-0.08987	1.17198	0.031513	0.571627	0.092446
1.484568	-0.15631	1.290819	-0.14025	0.544767	0.048451	1.17198	0.031513
1.778748	-0.16664	1.484568	-0.15631	-0.71304	0.085174	0.544767	0.048451
1.686437	-0.15587	1.778748	-0.16664	0.133331	0.013852	-0.71304	0.085174
0.804696	-0.08627	1.686437	-0.15587	0.722583	-0.03577	0.133331	0.013852
0.139899	-0.08058	0.804696	-0.08627	0.062845	-0.00215	0.722583	-0.03577
0.065469	-0.09608	0.139899	-0.08058	-1.86583	0.116119	0.062845	-0.00215
0.076838	-0.10686	0.065469	-0.09608	-2.14362	0.115485	-1.86583	0.116119
0.181438	-0.08423	0.076838	-0.10686	-1.56627	0.066103	-2.14362	0.115485
0.246114	-0.03982	0.181438	-0.08423	-1.10818	0.010503	-1.56627	0.066103
0.607564	-0.0352	0.246114	-0.03982	-0.64325	-0.03571	-1.10818	0.010503
0.805086	-0.07951	0.607564	-0.0352	0.700157	-0.15872	-0.64325	-0.03571
1.264156	-0.12622	0.805086	-0.07951	0.936005	-0.16865	0.700157	-0.15872
1.225707	-0.16132	1.264156	-0.12622	1.634163	-0.22959	0.936005	-0.16865
1.415763	-0.16625	1.225707	-0.16132	1.450272	-0.22474	1.634163	-0.22959
1.112301	-0.07149	1.415763	-0.16625	0.591056	-0.20232	1.450272	-0.22474
0.363142	0.021329	1.112301	-0.07149	0.724974	-0.17876	0.591056	-0.20232
-0.71353	0.155019	0.363142	0.021329	-0.44273	-0.1079	0.724974	-0.17876
-0.75285	0.113045	-0.71353	0.155019	-0.67771	-0.09343	-0.44273	-0.1079
-0.18441	0.032516	-0.75285	0.113045	-0.31907	-0.13551	-0.67771	-0.09343
0.303202	0.042112	-0.18441	0.032516	-0.44941	-0.1339	-0.31907	-0.13551
-0.95223	0.388645	0.303202	0.042112	-0.61422	-0.14275	-0.44941	-0.1339
-1.4253	0.420925	-0.95223	0.388645	-0.43431	-0.15276	-0.61422	-0.14275

ε_1	ε_2	ε_{1-1}	ε_{2-1}	ε_1	ε_2	ε_{1-1}	ε_{2-1}
-1.07125	0.347107	-1.4253	0.420925	0.06722	-0.21668	-0.43431	-0.15276
0.03376	0.24954	-1.07125	0.347107	-0.33832	-0.18229	0.06722	-0.21668
-0.18771	0.238728	0.03376	0.24954	-0.932	-0.15623	-0.33832	-0.18229
0.271767	0.277928	-0.18771	0.238728	-0.74536	-0.1701	-0.932	-0.15623

Lampiran 3. Hasil Uji Simultanitas dengan Software Minitab

1. Uji simultan Persamaan (45)

The regression equation is

$$\text{Indeks Biaya Yang Diterima} = -3.68 + 1.13 \text{ Indeks Biaya Yang Dibayar} - 0.000929 \text{ Harga Beras} - 3.28 \text{ galat Ib}$$

Predictor	Coef	SE Coef	T	P	VIF
Constant	-3.679	1.911	-1.93	0.058	
Indeks Biaya Yang Dibayar	1.13228	0.00973	116.42	0.000	1.404
Harga Beras	-0.00092851	0.00009632	-9.64	0.000	1.536
galat Ib	-3.2763	0.6482	-5.05	0.000	1.127

S = 0.845749 R-Sq = 99.7% R-Sq(adj) = 99.7%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	3	14908.8	4969.6	6947.64	0.000
Residual Error	68	48.6	0.7		
Total	71	14957.4			

2. Uji simultan Persamaan (46)

The regression equation is

$$\text{Indeks Biaya Yang Dibayar} = 3.92 + 0.303 \text{ Indeks Biaya Yang Diterima} + 0.510 \text{ Indeks konsumsi} + 0.142 \text{ Indeks Biaya Modal} - 0.264 \text{ galat It}$$

Predictor	Coef	SE Coef	T	P	VIF
Constant	3.9164	0.7346	5.33	0.000	
Indeks Biaya Yang Diterima	0.30289	0.01744	17.36	0.000	684.494
Indeks konsumsi	0.510294	0.009093	56.12	0.000	147.206
Indeks Biaya Modal	0.14157	0.01712	8.27	0.000	257.857
galat It	-0.26401	0.01774	-14.88	0.000	3.167

S = 0.0815454 R-Sq = 100.0% R-Sq(adj) = 100.0%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	4	10615.0	2653.7	399079.25	0.000
Residual Error	67	0.4	0.0		
Total	71	10615.4			

Lampiran 4. Hasil pemusatan dan penskalaan

Y_2^*	Y_1^*	X_2^*	X_3^*	Y_2^*	Y_1^*	X_2^*	X_3^*
0.034181	0.025271	0.026424	0.047297	-0.18245	-0.17219	-0.18874	-0.17711
0.036122	0.030504	0.02817	0.05109	-0.17838	-0.17015	-0.18405	-0.17318
0.036025	0.030341	0.027435	0.054098	-0.17634	-0.16778	-0.18212	-0.16978
0.030687	0.031894	0.020082	0.057759	-0.17614	-0.16819	-0.18267	-0.16743
0.031269	0.038844	0.020174	0.061682	-0.17372	-0.16532	-0.18037	-0.16429
0.035734	0.045958	0.025137	0.064036	-0.16741	-0.15903	-0.17274	-0.1605
0.042625	0.052826	0.032858	0.067436	-0.16052	-0.15175	-0.16429	-0.1571
0.050583	0.062475	0.042049	0.070706	-0.15702	-0.1493	-0.16043	-0.15435
0.05398	0.066072	0.045725	0.073321	-0.15285	-0.14292	-0.15565	-0.15095
0.055825	0.071469	0.047287	0.076329	-0.14897	-0.13483	-0.15114	-0.14821
0.060483	0.077029	0.052434	0.07986	-0.1347	-0.12714	-0.13524	-0.13631
0.064754	0.082099	0.05703	0.08326	-0.10714	-0.11357	-0.10611	-0.10871
0.073198	0.089458	0.066405	0.089144	-0.10791	-0.10907	-0.10639	-0.11028
0.078827	0.087332	0.072287	0.094637	-0.11422	-0.11128	-0.11447	-0.11159
0.081254	0.084797	0.074125	0.10052	-0.10947	-0.11349	-0.10923	-0.10649
0.085039	0.088476	0.077985	0.10471	-0.10607	-0.12387	-0.10694	-0.09891
0.088727	0.092401	0.082029	0.10771	-0.10073	-0.12052	-0.10032	-0.09616
0.095521	0.099678	0.089841	0.11059	-0.09335	-0.1094	-0.09122	-0.09315
0.10416	0.10818	0.09986	0.11373	-0.08559	-0.09852	-0.08129	-0.09041
0.11319	0.11963	0.11034	0.11752	-0.08142	-0.09198	-0.07596	-0.08857
0.11416	0.12225	0.11107	0.12014	-0.08083	-0.08119	-0.07624	-0.08531
0.11629	0.12805	0.11291	0.12328	-0.08074	-0.07988	-0.0767	-0.08387
0.1192	0.13034	0.11585	0.12772	-0.07647	-0.07129	-0.07183	-0.08073
0.12444	0.13664	0.12146	0.13164	-0.06608	-0.06345	-0.05878	-0.07667
0.13862	0.14694	0.13754	0.13845	-0.05861	-0.05985	-0.04922	-0.07406
0.14657	0.14841	0.14646	0.14289	-0.05715	-0.06173	-0.04821	-0.07092
0.1556	0.14866	0.15675	0.14695	-0.0491	-0.06394	-0.03718	-0.06922
0.15589	0.14906	0.15648	0.15035	-0.05395	-0.06909	-0.04306	-0.0717
0.15579	0.15381	0.15611	0.15205	-0.05278	-0.06484	-0.04159	-0.07105
0.16278	0.16386	0.1641	0.15453	-0.04725	-0.06091	-0.0346	-0.06883
0.20452	0.19224	0.20932	0.17846	-0.04055	-0.056	-0.02569	-0.067
0.21646	0.1996	0.22394	0.18382	-0.039	-0.0529	-0.02505	-0.06334

Y_2^*	Y_1^*	X_2^*	X_3^*	Y_2^*	Y_1^*	X_2^*	X_3^*
0.2183	0.20426	0.22513	0.18905	-0.0357	-0.04546	-0.02119	-0.06085
0.22267	0.21718	0.22954	0.19337	-0.03473	-0.04775	-0.02082	-0.05824
0.22509	0.21742	0.23157	0.19821	-0.02668	-0.04497	-0.01043	-0.05523
-0.19226	-0.18053	-0.2005	-0.18338	-0.02231	-0.03941	-0.00547	-0.05248