

LAMPIRAN 18

Uji Asumsi Heteroskedastisitas

1. Korelasi rank Spearman X_1 dan nilai absolut galat regresi X_1 Y

Dari persamaan regresi linier sederhana diketahui bahwa :

$$a = 44,178 \quad b = 0,231$$

Sehingga diperoleh galat model regresi seperti pada tabel berikut :

Resp	X1	Y	Yhat	ei	ei	rX1	r ei	d	d ²
1	48	72	56.591	0.426	-2.854	2.319	4.639	-2.319	5.379
2	49	70	55.667	-3.079	-5.932	2.017	4.034	-2.017	4.069
3	49	76	58.132	2.748	2.275	0.335	0.669	-0.335	0.112
4	54	78	59.173	4.255	5.741	1.051	2.101	-1.051	1.104
5	47	80	58.559	9.305	3.695	3.967	7.933	-3.967	15.735
6	59	77	53.542	10.003	-13.006	16.270	32.539	-16.270	264.702
7	62	82	55.214	10.998	-7.440	13.037	26.075	-13.037	169.970
8	47	81	59.748	-2.731	7.655	7.344	14.688	-7.344	53.933
9	43	72	58.519	-5.931	3.562	6.712	13.425	-6.712	45.056
10	51	70	58.836	2.044	4.619	1.821	3.643	-1.821	3.317
11	57	71	54.407	9.021	-10.126	13.540	27.079	-13.540	183.318
12	48	64	58.996	8.868	5.150	2.629	5.258	-2.629	6.912
13	38	70	59.770	-2.753	7.727	7.410	14.820	-7.410	54.906
14	51	72	58.062	-5.475	2.042	5.315	10.630	-5.315	28.248
15	51	78	56.372	4.508	-3.584	5.722	11.444	-5.722	32.741
16	59	67	58.708	4.721	4.191	0.375	0.749	-0.375	0.140
17	41	65	59.214	8.649	5.878	1.960	3.919	-1.960	3.841
18	39	66	59.995	-1.614	8.475	7.135	14.269	-7.135	50.902
19	53	77	58.200	-19.923	2.503	15.858	31.715	-15.858	251.462
20	58	76	53.667	-15.117	-12.590	1.787	3.574	-1.787	3.193
21	32	70	53.959	8.491	-11.617	14.219	28.437	-14.219	202.172
22	53	84	58.867	7.488	4.722	1.956	3.912	-1.956	3.825
23	62	79	59.616	1.217	7.215	4.241	8.482	-4.241	17.987
24	61	72	58.411	-14.037	3.203	12.190	24.381	-12.190	148.607
25	50	70	55.122	-14.168	-7.747	4.541	9.081	-4.541	20.616
26	54	68	54.407	9.138	-10.126	13.622	27.244	-13.622	185.562
27	49	61	58.996	7.216	5.150	1.461	2.922	-1.461	2.135
28	59	75	53.954	3.063	-11.633	10.392	20.783	-10.392	107.986
29	53	74	59.739	-7.151	7.623	10.447	20.894	-10.447	109.136
30	50	70	59.510	1.370	6.861	3.882	7.765	-3.882	15.074
31	35	66	58.509	4.919	3.530	0.982	1.965	-0.982	0.965
32	50	60	55.121	12.743	-7.749	14.490	28.980	-14.490	209.959
33	45	69	54.548	3.832	-9.656	9.537	19.074	-9.537	90.957

34	42	70	59.838	-21.561	7.954	20.870	41.740	-20.870	435.547
35	49	70	59.584	-2.141	7.110	6.541	13.082	-6.541	42.785
36	50	79	57.127	1.716	-1.070	1.970	3.940	-1.970	3.881
37	53	82	57.301	-3.725	-0.491	2.287	4.574	-2.287	5.231
38	46	72	58.650	1.612	3.998	1.687	3.374	-1.687	2.845
39	56	71	59.715	-3.541	7.544	7.838	15.677	-7.838	61.440
40	50	70	59.608	-1.434	7.189	6.097	12.194	-6.097	37.174
41	52	73	59.194	3.772	5.810	1.441	2.882	-1.441	2.076
42	44	76	53.077	7.180	-14.552	15.366	30.733	-15.366	236.126
43	53	80	58.867	6.351	4.722	1.152	2.304	-1.152	1.327
44	57	65	58.238	7.904	2.629	3.730	7.460	-3.730	13.914
45	53	83	56.679	-11.680	-2.562	6.447	12.894	-6.447	41.563
46	55	77	55.162	-12.854	-7.614	3.705	7.411	-3.705	13.729
47	47	74	57.301	6.078	-0.491	4.645	9.289	-4.645	21.572
48	51	70	58.650	3.621	3.998	0.267	0.533	-0.267	0.071
49	34	72	59.715	2.892	7.544	3.289	6.578	-3.289	10.818
50	55	77	53.781	-2.600	-12.208	6.794	13.588	-6.794	46.159
51	44	72	55.818	-0.786	-5.430	3.283	6.566	-3.283	10.779
52	47	64	56.507	8.442	-3.135	8.186	16.371	-8.186	67.005
53	50	78	58.921	-2.887	4.901	5.507	11.014	-5.507	30.329
54	49	80	59.233	-3.060	5.941	6.365	12.730	-6.365	40.514
55	47	66	58.794	-0.620	4.477	3.604	7.208	-3.604	12.990
56	52	76	55.635	7.331	-6.039	9.454	18.908	-9.454	89.382
57	62	77	54.815	9.387	-8.767	12.837	25.674	-12.837	164.783
58	53	81	59.042	1.220	5.304	2.888	5.775	-2.888	8.338
59	34	70	57.814	3.667	1.216	1.733	3.466	-1.733	3.003
60	38	70	53.164	12.684	-14.262	19.054	38.108	-19.054	363.053
61	62	65	54.592	-3.935	-9.509	3.942	7.883	-3.942	15.536
62	51	69	59.558	-1.454	7.022	5.994	11.988	-5.994	35.925
63	60	71	59.783	1.167	7.772	4.671	9.342	-4.671	21.818
64	41	64	58.796	6.647	4.486	1.528	3.056	-1.528	2.335
65	50	86	54.701	7.976	-9.146	12.107	24.213	-12.107	146.568
66	48	77	60.016	0.905	8.548	5.405	10.810	-5.405	29.212
67	41	73	60.621	-11.804	10.560	15.814	31.628	-15.814	250.076
68	53	79	56.433	-7.766	-3.379	3.102	6.203	-3.102	9.619
69	36	67	57.165	0.697	-0.944	1.161	2.321	-1.161	1.347
70	44	70	57.065	5.135	-1.276	4.533	9.067	-4.533	20.552
71	51	73	58.767	1.825	4.388	1.812	3.625	-1.812	3.285
72	36	60	59.107	-5.280	5.521	7.638	15.275	-7.638	58.334
73	47	71	58.454	-8.644	3.347	8.479	16.958	-8.479	71.891
74	66	77	54.234	14.533	-10.702	17.844	35.687	-17.844	318.396
75	43	71	54.818	7.576	-8.756	11.548	23.096	-11.548	133.357
76	57	67	59.766	-9.109	7.713	11.895	23.789	-11.895	141.483

77	43	70	60.224	-2.120	9.239	8.032	16.065	-8.032	64.518
78	48	70	59.137	1.813	5.621	2.693	5.386	-2.693	7.253
79	62	79	55.114	10.330	-7.772	12.800	25.600	-12.800	163.837
80	61	71	55.188	11.434	-7.526	13.407	26.814	-13.407	179.748
81	53	65	59.730	-3.766	7.596	8.034	16.068	-8.034	64.543
Jumlah	4031	5872	4657.627	76.170	14.274	548.036	1096.071	-548.036	5800.090

Dari tabel di atas dapat dihitung korelasi rank Spearman antara X_1 dan galat X_1 melalui rumus berikut,

$$rs_{x_1ei} = 1 - \left(\frac{6\sum d^2}{n(n^2 - 1)} \right)$$

$$rs_{x_1ei} = 1 - \left(\frac{6(5800,090)}{81(81^2 - 1)} \right)$$

$$rs_{x_1ei} = 1 - \left(\frac{34800,54}{81(6560)} \right)$$

$$rs_{x_1ei} = 1 - \left(\frac{34800,54}{531360} \right)$$

$$rs_{x_1ei} = 1 - 0.898 = 0,102$$

2. Korelasi rank Spearman X_2 dan nilai absolut galat regresi X_2 Y

Dari persamaan regresi linier sederhana diketahui bahwa :

$$a = 22,796 \quad b = 0,724$$

Sehingga diperoleh galat model regresi seperti pada tabel berikut :

Resp	X2	Y	Yhat	ei	ei	rX2	r ei	d	d ²
1	47	72	61.702	-3.828	-7.965	2.925	5.850	-2.925	8.556
2	57	70	58.804	4.927	-9.069	9.896	19.793	-9.896	97.940
3	54	76	66.530	-0.171	-6.124	4.209	8.418	-4.209	17.716
4	53	78	69.794	-7.753	-4.880	2.032	4.063	-2.032	4.128
5	51	80	67.868	-13.052	-5.614	5.260	10.519	-5.260	27.665
6	44	77	52.144	2.563	-11.608	10.020	20.041	-10.020	100.407
7	52	82	57.385	-2.334	-9.610	5.145	10.291	-5.145	26.475
8	62	81	71.596	-11.145	-4.193	4.916	9.832	-4.916	24.168
9	51	72	67.742	0.113	-5.662	4.083	8.166	-4.083	16.672
10	46	70	68.738	-5.956	-5.282	0.477	0.953	-0.477	0.227
11	48	71	54.855	11.287	-10.575	15.459	30.918	-15.459	238.974
12	50	64	69.237	-18.164	-5.092	9.244	18.487	-9.244	85.446
13	43	70	71.663	-10.303	-4.167	4.339	8.678	-4.339	18.827
14	46	72	66.311	-0.548	-6.207	4.001	8.003	-4.001	16.012
15	47	78	61.014	0.884	-8.227	6.442	12.884	-6.442	41.502
16	49	67	68.334	-25.454	-5.436	14.155	28.309	-14.155	200.351
17	51	65	69.923	-30.110	-4.831	17.875	35.750	-17.875	319.519
18	49	66	72.368	-4.439	-3.898	0.383	0.765	-0.383	0.146
19	47	77	66.745	0.890	-6.042	4.902	9.803	-4.902	24.026
20	52	76	52.536	4.073	-11.459	10.983	21.966	-10.983	120.624
21	51	70	53.451	-11.772	-11.110	0.468	0.937	-0.468	0.219
22	59	84	68.834	-19.026	-5.245	9.744	19.489	-9.744	94.954
23	56	79	71.182	-18.398	-4.351	9.933	19.865	-9.933	98.658
24	57	72	67.405	-2.708	-5.791	2.179	4.359	-2.179	4.750
25	46	70	57.095	7.301	-9.721	12.036	24.071	-12.036	144.858
26	48	68	54.855	11.338	-10.575	15.495	30.989	-15.495	240.080
27	44	61	69.237	-24.182	-5.092	13.499	26.998	-13.499	182.224
28	56	75	53.436	-3.203	-11.115	5.595	11.190	-5.595	31.304
29	53	74	71.566	-10.805	-4.204	4.668	9.335	-4.668	21.787
30	52	70	70.848	-16.141	-4.478	8.247	16.495	-8.247	68.019
31	51	66	67.712	-12.661	-5.673	4.941	9.882	-4.941	24.415
32	29	60	57.093	3.357	-9.721	9.248	18.496	-9.248	85.528
33	33	69	55.298	12.556	-10.406	16.237	32.473	-16.237	263.629
34	44	70	71.877	-12.210	-4.086	5.745	11.489	-5.745	33.000

35	35	70	71.082	-29.849	-4.389	18.003	36.007	-18.003	324.126
36	45	79	63.382	6.101	-7.324	9.493	18.986	-9.493	90.116
37	47	82	63.927	-5.819	-7.116	0.917	1.835	-0.917	0.842
38	48	72	68.153	-12.581	-5.505	5.003	10.006	-5.003	25.030
39	40	71	71.491	-28.475	-4.233	17.142	34.284	-17.142	293.846
40	47	70	71.157	-8.382	-4.360	2.844	5.687	-2.844	8.086
41	43	73	69.858	-1.446	-4.855	2.410	4.821	-2.410	5.810
42	47	76	50.689	12.607	-12.163	17.515	35.030	-17.515	306.769
43	52	80	68.834	-14.127	-5.245	6.280	12.561	-6.280	39.444
44	28	65	66.864	-9.117	-5.997	2.207	4.413	-2.207	4.869
45	63	83	61.977	-10.958	-7.860	2.191	4.382	-2.191	4.801
46	54	77	57.221	1.493	-9.673	7.895	15.790	-7.895	62.333
47	53	74	63.927	2.627	-7.116	6.890	13.779	-6.890	47.468
48	51	70	68.153	-13.232	-5.505	5.463	10.926	-5.463	29.847
49	53	72	71.491	-8.353	-4.233	2.913	5.827	-2.913	8.487
50	48	77	52.895	10.290	-11.322	15.282	30.564	-15.282	233.536
51	51	72	59.277	-5.966	-8.889	2.067	4.133	-2.067	4.271
52	50	64	61.438	-15.334	-8.065	5.140	10.279	-5.140	26.415
53	41	78	69.003	-14.547	-5.181	6.623	13.245	-6.623	43.860
54	56	80	69.982	-7.321	-4.808	1.777	3.554	-1.777	3.158
55	41	66	68.604	-2.587	-5.333	1.942	3.883	-1.942	3.770
56	35	76	58.703	9.386	-9.108	13.077	26.155	-13.077	171.018
57	45	77	56.135	-2.248	-10.087	5.543	11.085	-5.543	30.720
58	48	81	69.382	-24.108	-5.037	13.485	26.971	-13.485	181.858
59	45	70	65.534	-7.609	-6.504	0.782	1.563	-0.782	0.611
60	50	70	50.961	4.971	-12.059	12.042	24.084	-12.042	145.014
61	44	65	55.436	4.113	-10.353	10.229	20.458	-10.229	104.636
62	46	69	71.000	-8.064	-4.420	2.577	5.153	-2.577	6.639
63	35	71	71.706	-3.440	-4.151	0.503	1.005	-0.503	0.253
64	35	64	68.612	-4.263	-5.330	0.754	1.509	-0.754	0.569
65	52	86	55.778	7.392	-10.223	12.455	24.910	-12.455	155.132
66	56	77	72.437	-19.070	-3.872	10.747	21.494	-10.747	115.493
67	60	73	74.331	-27.933	-3.150	17.524	35.049	-17.524	307.107
68	51	79	61.207	-6.400	-8.153	1.239	2.479	-1.239	1.536
69	40	67	63.500	-0.698	-7.279	4.653	9.307	-4.653	21.655
70	56	70	63.187	3.144	-7.398	7.454	14.909	-7.454	55.568
71	53	73	68.520	-0.953	-5.365	3.120	6.239	-3.120	9.733
72	47	60	69.587	-15.141	-4.959	7.200	14.400	-7.200	51.843
73	50	71	67.540	-22.524	-5.739	11.869	23.738	-11.869	140.871
74	52	77	54.313	3.463	-10.781	10.072	20.144	-10.072	101.445
75	43	71	56.145	-0.018	-10.083	7.117	14.234	-7.117	50.651

76	41	67	71.650	-12.237	-4.172	5.703	11.406	-5.703	32.522
77	49	70	73.087	-16.157	-3.624	8.862	17.724	-8.862	78.539
78	42	70	69.681	-1.105	-4.923	2.700	5.399	-2.700	7.289
79	56	79	57.071	5.194	-9.730	10.553	21.106	-10.553	111.362
80	53	71	57.303	10.580	-9.641	14.299	28.598	-14.299	204.462
81	41	65	71.540	-9.018	-4.214	3.397	6.793	-3.397	11.538
Jumlah	3895	5872	5228.932	-492.796	-557.031	592.733	1185.467	-592.733	33290.75

Dari tabel di atas dapat dihitung korelasi rank Spearman antara X2 dan galat X2 melalui rumus berikut,

$$rs_{x_2ei} = 1 - \left(\frac{6\sum d^2}{n(n^2 - 1)} \right)$$

$$rs_{x_2ei} = 1 - \left(\frac{6(33290,75)}{81(81^2 - 1)} \right)$$

$$rs_{x_2ei} = 1 - \left(\frac{199744,5}{81(6560)} \right)$$

$$rs_{x_2ei} = 1 - \left(\frac{199744,5}{531360} \right)$$

$$rs_{x_2ei} = 1 - 0,925 = 0,075$$

3. Korelasi rank Spearman X_3 dan nilai absolut galat regresi X_3 Y

Dari persamaan regresi linier sederhana diketahui bahwa :

$$a = 11,412 \quad b = 0,691$$

Sehingga diperoleh galat model regresi seperti pada tabel berikut :

Resp	X3	Y	Yhat	ei	ei	rX3	r ei	d	d ²
1	60	72	48.544	13.981	5.193	6.214	12.428	-6.214	38.616
2	48	70	45.779	8.632	3.956	3.306	6.612	-3.306	10.930
3	58	76	53.153	-0.307	7.254	5.346	10.692	-5.346	28.578
4	38	78	56.268	-11.131	8.646	13.985	27.970	-13.985	195.583
5	47	80	54.429	6.062	7.824	1.246	2.493	-1.246	1.553
6	45	77	39.423	27.116	1.114	18.386	36.773	-18.386	338.056
7	38	82	44.424	14.519	3.350	7.897	15.794	-7.897	62.365
8	50	81	57.987	-5.593	9.416	10.612	21.225	-10.612	112.624
9	32	72	54.309	-0.786	7.771	6.050	12.100	-6.050	36.605
10	41	70	55.260	3.523	8.196	3.304	6.609	-3.304	10.918
11	48	71	42.010	23.771	2.271	15.203	30.406	-15.203	231.124
12	32	64	55.737	2.316	8.409	4.308	8.616	-4.308	18.560
13	44	70	58.052	-9.820	9.444	13.622	27.244	-13.622	185.552
14	64	72	52.944	-6.545	7.160	9.691	19.382	-9.691	93.915
15	40	78	47.888	8.594	4.899	2.613	5.225	-2.613	6.826
16	49	67	54.875	8.823	8.024	0.565	1.130	-0.565	0.319
17	44	65	56.391	3.089	8.701	3.968	7.937	-3.968	15.749
18	46	66	58.725	-16.757	9.745	18.740	37.480	-18.740	351.187
19	35	77	53.358	-14.485	7.345	15.436	30.872	-15.436	238.277
20	35	76	39.796	26.092	1.281	17.544	35.089	-17.544	307.801
21	52	70	40.670	25.201	1.672	16.638	33.275	-16.638	276.814
22	56	84	55.352	-0.957	8.237	6.501	13.003	-6.501	42.269
23	47	79	57.592	-1.055	9.239	7.279	14.558	-7.279	52.984
24	35	72	53.987	7.542	7.627	0.060	0.120	-0.060	0.004
25	48	70	44.148	22.461	3.227	13.601	27.201	-13.601	184.979
26	46	68	42.010	26.873	2.271	17.396	34.793	-17.396	302.635
27	51	61	55.737	3.573	8.409	3.419	6.839	-3.419	11.692
28	46	75	40.656	-7.159	1.665	6.240	12.480	-6.240	38.936
29	46	74	57.959	6.775	9.403	1.858	3.715	-1.858	3.451
30	49	70	57.274	-4.390	9.097	9.536	19.072	-9.536	90.938
31	51	66	54.281	-4.301	7.758	8.527	17.054	-8.527	72.706
32	49	60	44.146	-2.708	3.226	4.196	8.392	-4.196	17.606
33	47	69	42.433	14.104	2.460	8.234	16.467	-8.234	67.794
34	52	70	58.256	3.273	9.536	4.428	8.856	-4.428	19.607
35	51	70	57.497	9.112	9.196	0.060	0.120	-0.060	0.004

36	59	79	50.148	-10.095	5.910	11.317	22.635	-11.317	128.082
37	56	82	50.668	-2.464	6.142	6.085	12.171	-6.085	37.031
38	48	72	54.701	-3.625	7.946	8.182	16.364	-8.182	66.949
39	61	71	57.888	4.366	9.371	3.539	7.078	-3.539	12.524
40	42	70	57.568	4.502	9.228	3.342	6.683	-3.342	11.166
41	47	73	56.329	8.066	8.674	0.430	0.859	-0.430	0.185
42	48	76	38.033	5.065	0.492	3.233	6.466	-3.233	10.453
43	52	80	55.352	-6.634	8.237	10.515	21.030	-10.515	110.566
44	44	65	53.471	5.471	7.396	1.361	2.722	-1.361	1.853
45	41	83	48.807	3.588	5.310	1.218	2.435	-1.218	1.483
46	49	77	44.267	9.256	3.280	4.226	8.452	-4.226	17.858
47	49	74	50.668	8.115	6.142	1.395	2.789	-1.395	1.945
48	37	70	54.701	11.079	7.946	2.215	4.431	-2.215	4.908
49	49	72	57.888	0.165	9.371	6.509	13.018	-6.509	42.369
50	44	77	40.139	15.396	1.434	9.873	19.745	-9.873	97.469
51	46	72	46.230	8.711	4.158	3.220	6.440	-3.220	10.367
52	35	64	48.292	-10.096	5.080	10.731	21.463	-10.731	115.161
53	60	78	55.513	3.210	8.309	3.606	7.212	-3.606	13.002
54	58	80	56.448	5.230	8.727	2.473	4.946	-2.473	6.115
55	47	66	55.132	4.907	8.139	2.286	4.571	-2.286	5.224
56	52	76	45.682	0.481	3.913	2.427	4.853	-2.427	5.889
57	46	77	43.231	8.792	2.817	4.225	8.450	-4.225	17.851
58	57	81	55.875	-6.384	8.471	10.504	21.008	-10.504	110.335
59	50	70	52.202	12.998	6.828	4.362	8.725	-4.362	19.030
60	47	70	38.293	15.718	0.609	10.684	21.368	-10.684	114.147
61	31	65	42.564	16.885	2.519	10.159	20.317	-10.159	103.199
62	47	69	57.419	-7.322	9.161	11.656	23.311	-11.656	135.852
63	42	71	58.093	-7.692	9.463	12.130	24.260	-12.130	147.143
64	60	64	55.140	4.134	8.142	2.834	5.668	-2.834	8.032
65	58	86	42.891	11.656	2.665	6.358	12.716	-6.358	40.425
66	47	77	58.790	-9.076	9.775	13.329	26.658	-13.329	177.664
67	52	73	60.598	-11.013	10.583	15.271	30.541	-15.271	233.196
68	46	79	48.072	-4.648	4.982	6.809	13.619	-6.809	46.367
69	57	67	50.261	7.241	5.960	0.906	1.812	-0.906	0.821
70	50	70	49.962	9.039	5.827	2.272	4.544	-2.272	5.161
71	47	73	55.052	4.516	8.103	2.536	5.073	-2.536	6.434
72	31	60	56.070	-4.344	8.558	9.123	18.246	-9.123	83.229
73	47	71	54.116	-3.281	7.684	7.754	15.508	-7.754	60.123
74	42	77	41.492	7.544	2.039	3.892	7.784	-3.892	15.149
75	57	71	43.241	16.087	2.821	9.380	18.760	-9.380	87.984
76	45	67	58.040	-2.861	9.439	8.697	17.394	-8.697	75.640

77	55	70	59.411	0.935	10.052	6.447	12.894	-6.447	41.563
78	64	70	56.160	-5.417	8.598	9.911	19.821	-9.911	98.219
79	50	79	44.125	11.600	3.217	5.928	11.856	-5.928	35.143
80	50	71	44.346	9.594	3.315	4.440	8.879	-4.440	19.711
81	47	65	57.935	-12.475	9.392	15.462	30.924	-15.462	239.077
Jumlah	3866	5872	4152.655	306.359	519.245	579.261	1158.522	-579.261	32426,99

Dari tabel di atas dapat dihitung korelasi rank Spearman antara X2 dan galat X2 melalui rumus berikut,

$$rs_{x3ei} = 1 - \left(\frac{6\sum d^2}{n(n^2 - 1)} \right)$$

$$rs_{x3ei} = 1 - \left(\frac{6(32426,99)}{81(81^2 - 1)} \right)$$

$$rs_{x3ei} = 1 - \left(\frac{194561,94}{81(6560)} \right)$$

$$rs_{x3ei} = 1 - \left(\frac{194561,94}{531360} \right)$$

$$rs_{x3ei} = 1 - 0.901 = 0.099$$

Berdasarkan hasil perhitungan diperoleh $rs_{x1ei} = 0.102$, $rs_{x2ei} = 0,075$, dan $rs_{x3ei} = 0,099$ sedangkan nilai *rs tabel* pada $n=60$ dan $\alpha=0,05$ adalah **0,167**, Ketiga nilai korelasi rank Spearman $<$ *rs tabel* maka korelasi tidak signifikan, sehingga **tidak terjadi Heteroskedastisitas** dalam model regresi.