



**UNIVERSITAS BHAYANGKARA JAKARTA RAYA**  
**FAKULTAS EKONOMI**

Kampus I : Jl. Darmawangsa I/1 Kebayoran Baru Jakarta Selatan 12140  
Telepon : 021. 7231948-7267655 Fax: 7267657  
Kampus II : Jl Raya Perjuangan, Marga Mulya, Bekasi Utara Telp : 021. 88955882

Jakarta, 3 Juli 2019

Nomor : B/SR/ 326 / VII /2019/FE-UBJ  
Lampiran : -  
Perihal : Permohonan Penelitian

Kepada :  
Yth. Bapak Chandra  
Kepala Supervisor  
PT. Multi Karya Mika  
Di  
Bekasi

Dengan hormat,

Salam sejahtera kami sampaikan semoga Bapak selalu dalam lindungan Tuhan Yang Maha Esa.

Sehubungan dengan rencana penelitian mahasiswa/i, maka bersama ini kami mengajukan permohonan kepada Bapak untuk dapat kiranya menerima mahasiswa kami melakukan penelitian pada instansi yang Bapak pimpin, adapun mahasiswa tersebut adalah :

Nama : Hafid Abdul Aziz  
NPM : 201510325166  
Program Studi : Manajemen  
Judul Penelitian : Analisis Saluran Distribusi dan Strategi Promosi dalam Meningkatkan Volume Penjualan  
No Telepon : 0815 8697 7829

Pelaksanaan penelitian skripsi mahasiswa/i Fakultas Ekonomi UBJ disesuaikan dengan jadwal yang ditentukan oleh instansi yang Bapak pimpin.

Demikian permohonan ini kami sampaikan, atas perhatian dan kerjasamanya kami ucapkan terima kasih.

DEKAN FAKULTAS EKONOMI



Dr. Sugeng Suroso, S.E., M.M.  
NIP : 1706286



**PT. MKM GROUP**  
**Offset Printig**

Kepada Yth,  
Dekan Fakultas Ekonomi

Bekasi, 03 April 2019

UNIVERSITAS BHAYANGKARA JAKARTA RAYA  
Jl. Perjuangan, Bekasi Utara

Dengan Hormat

Yang bertanda tangan di bawah ini :

Nama : Collville Chandra  
Jabatan : Direktur


Menerangkan Bahwa,

Nama : Hafid Abdul Aziz  
NPM : 201510325166  
Fakultas : Ekonomi

Telah kami setuju untuk melaksanakan penelitian pada perusahaan kami sebagai syarat penyusunan skripsi dengan judul :  
“ Analisis Strategi Saluran Distribusi dan Promosi Dalam Meningkatkan Volume Penjualan Pada PT. MULTI KARYA MIKA”

Dengan surat ini kami sampaikan, dan atas kerjasamanya kami ucapkan terima kasih.

Hormat Kami

  
Collville Chandra  
Direktur



Mangun Jaya 1 Jl. Cempaka 1 Blok BA 4 No 4  
RT 05 / 10 Kel. Mangun Jaya. Kec. Tambun Selatan.  
Telp : 021 89521657, 0822 9730 2686, 0812 86 888 428  
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**Titik Persentase Distribusi t (df = 1 - 40)**

df	Pr 0.25 0.50	0.10 0.20	0.05 0.10	0.025 0.050	0.01 0.02	0.005 0.010	0.001 0.002
1	1.00000	3.07768	6.31375	12.70620	31.82052	63.65674	318.30884
2	0.81650	1.88562	2.91999	4.30265	6.96456	9.92484	22.32712
3	0.76489	1.63774	2.35336	3.18245	4.54070	5.84091	10.21453
4	0.74070	1.53321	2.13185	2.77645	3.74695	4.60409	7.17318
5	0.72669	1.47588	2.01505	2.57058	3.36493	4.03214	5.89343
6	0.71756	1.43976	1.94318	2.44691	3.14267	3.70743	5.20763
7	0.71114	1.41492	1.89458	2.36462	2.99795	3.49948	4.78529
8	0.70639	1.39682	1.85955	2.30600	2.89646	3.35539	4.50079
9	0.70272	1.38303	1.83311	2.26216	2.82144	3.24984	4.29681
10	0.69981	1.37218	1.81246	2.22814	2.76377	3.16927	4.14370
11	0.69745	1.36343	1.79588	2.20099	2.71808	3.10581	4.02470
12	0.69548	1.35622	1.78229	2.17881	2.68100	3.05454	3.92963
13	0.69383	1.35017	1.77093	2.16037	2.65031	3.01228	3.85198
14	0.69242	1.34503	1.76131	2.14479	2.62449	2.97684	3.78739
15	0.69120	1.34061	1.75305	2.13145	2.60248	2.94671	3.73283
16	0.69013	1.33676	1.74588	2.11991	2.58349	2.92078	3.68615
17	0.68920	1.33338	1.73961	2.10982	2.56693	2.89823	3.64577
18	0.68836	1.33039	1.73406	2.10092	2.55238	2.87844	3.61048
19	0.68762	1.32773	1.72913	2.09302	2.53948	2.86093	3.57940
20	0.68695	1.32534	1.72472	2.08596	2.52798	2.84534	3.55181
21	0.68635	1.32319	1.72074	2.07961	2.51765	2.83136	3.52715
22	0.68581	1.32124	1.71714	2.07387	2.50832	2.81876	3.50499
23	0.68531	1.31946	1.71387	2.06866	2.49987	2.80734	3.48496
24	0.68485	1.31784	1.71088	2.06390	2.49216	2.79694	3.46678
25	0.68443	1.31635	1.70814	2.05954	2.48511	2.78744	3.45019
26	0.68404	1.31497	1.70562	2.05553	2.47863	2.77871	3.43500
27	0.68368	1.31370	1.70329	2.05183	2.47266	2.77068	3.42103
28	0.68335	1.31253	1.70113	2.04841	2.46714	2.76326	3.40816
29	0.68304	1.31143	1.69913	2.04523	2.46202	2.75639	3.39624
30	0.68276	1.31042	1.69726	2.04227	2.45726	2.75000	3.38518
31	0.68249	1.30946	1.69552	2.03951	2.45282	2.74404	3.37490
32	0.68223	1.30857	1.69389	2.03693	2.44868	2.73848	3.36531
33	0.68200	1.30774	1.69236	2.03452	2.44479	2.73328	3.35634
34	0.68177	1.30695	1.69092	2.03224	2.44115	2.72839	3.34793
35	0.68156	1.30621	1.68957	2.03011	2.43772	2.72381	3.34005
36	0.68137	1.30551	1.68830	2.02809	2.43449	2.71948	3.33262
37	0.68118	1.30485	1.68709	2.02619	2.43145	2.71541	3.32563
38	0.68100	1.30423	1.68595	2.02439	2.42857	2.71156	3.31903
39	0.68083	1.30364	1.68488	2.02269	2.42584	2.70791	3.31279
40	0.68067	1.30308	1.68385	2.02108	2.42326	2.70446	3.30688

### Titik Persentase Distribusi t (df = 41 - 80)

Pr	0.25	0.10	0.05	0.025	0.01	0.005	0.001
df	0.50	0.20	0.10	0.050	0.02	0.010	0.002
41	0.68052	1.30254	1.68288	2.01954	2.42080	2.70118	3.30127
42	0.68038	1.30204	1.68195	2.01808	2.41847	2.69807	3.29595
43	0.68024	1.30155	1.68107	2.01669	2.41625	2.69510	3.29089
44	0.68011	1.30109	1.68023	2.01537	2.41413	2.69228	3.28607
45	0.67998	1.30065	1.67943	2.01410	2.41212	2.68959	3.28148
46	0.67986	1.30023	1.67866	2.01290	2.41019	2.68701	3.27710
47	0.67975	1.29982	1.67793	2.01174	2.40835	2.68456	3.27291
48	0.67964	1.29944	1.67722	2.01063	2.40658	2.68220	3.26891
49	0.67953	1.29907	1.67655	2.00958	2.40489	2.67995	3.26508
50	0.67943	1.29871	1.67591	2.00856	2.40327	2.67779	3.26141
51	0.67933	1.29837	1.67528	2.00758	2.40172	2.67572	3.25789
52	0.67924	1.29805	1.67469	2.00665	2.40022	2.67373	3.25451
53	0.67915	1.29773	1.67412	2.00575	2.39879	2.67182	3.25127
54	0.67906	1.29743	1.67356	2.00488	2.39741	2.66998	3.24815
55	0.67898	1.29713	1.67303	2.00404	2.39608	2.66822	3.24515
56	0.67890	1.29685	1.67252	2.00324	2.39480	2.66651	3.24226
57	0.67882	1.29658	1.67203	2.00247	2.39357	2.66487	3.23948
58	0.67874	1.29632	1.67155	2.00172	2.39238	2.66329	3.23680
59	0.67867	1.29607	1.67109	2.00100	2.39123	2.66176	3.23421
60	0.67860	1.29582	1.67065	2.00030	2.39012	2.66028	3.23171
61	0.67853	1.29558	1.67022	1.99962	2.38905	2.65886	3.22930
62	0.67847	1.29536	1.66980	1.99897	2.38801	2.65748	3.22696
63	0.67840	1.29513	1.66940	1.99834	2.38701	2.65615	3.22471
64	0.67834	1.29492	1.66901	1.99773	2.38604	2.65485	3.22253
65	0.67828	1.29471	1.66864	1.99714	2.38510	2.65360	3.22041
66	0.67823	1.29451	1.66827	1.99656	2.38419	2.65239	3.21837
67	0.67817	1.29432	1.66792	1.99601	2.38330	2.65122	3.21639
68	0.67811	1.29413	1.66757	1.99547	2.38245	2.65008	3.21446
69	0.67806	1.29394	1.66724	1.99495	2.38161	2.64898	3.21260
70	0.67801	1.29376	1.66691	1.99444	2.38081	2.64790	3.21079
71	0.67796	1.29359	1.66660	1.99394	2.38002	2.64686	3.20903
72	0.67791	1.29342	1.66629	1.99346	2.37926	2.64585	3.20733
73	0.67787	1.29326	1.66600	1.99300	2.37852	2.64487	3.20567
74	0.67782	1.29310	1.66571	1.99254	2.37780	2.64391	3.20406
75	0.67778	1.29294	1.66543	1.99210	2.37710	2.64298	3.20249
76	0.67773	1.29279	1.66515	1.99167	2.37642	2.64208	3.20096
77	0.67769	1.29264	1.66488	1.99125	2.37576	2.64120	3.19948
78	0.67765	1.29250	1.66462	1.99085	2.37511	2.64034	3.19804
79	0.67761	1.29236	1.66437	1.99045	2.37448	2.63950	3.19663
80	0.67757	1.29222	1.66412	1.99006	2.37387	2.63869	3.19526

**Titik Persentase Distribusi t (df = 81 -120)**

Pr	0.25	0.10	0.05	0.025	0.01	0.005	0.001
df	0.50	0.20	0.10	0.050	0.02	0.010	0.002
81	0.67753	1.29209	1.66388	1.98969	2.37327	2.63790	3.19392
82	0.67749	1.29196	1.66365	1.98932	2.37269	2.63712	3.19262
83	0.67746	1.29183	1.66342	1.98896	2.37212	2.63637	3.19135
84	0.67742	1.29171	1.66320	1.98861	2.37156	2.63563	3.19011
85	0.67739	1.29159	1.66298	1.98827	2.37102	2.63491	3.18890
86	0.67735	1.29147	1.66277	1.98793	2.37049	2.63421	3.18772
87	0.67732	1.29136	1.66256	1.98761	2.36998	2.63353	3.18657
88	0.67729	1.29125	1.66235	1.98729	2.36947	2.63286	3.18544
89	0.67726	1.29114	1.66216	1.98698	2.36898	2.63220	3.18434
90	0.67723	1.29103	1.66196	1.98667	2.36850	2.63157	3.18327
91	0.67720	1.29092	1.66177	1.98638	2.36803	2.63094	3.18222
92	0.67717	1.29082	1.66159	1.98609	2.36757	2.63033	3.18119
93	0.67714	1.29072	1.66140	1.98580	2.36712	2.62973	3.18019
94	0.67711	1.29062	1.66123	1.98552	2.36667	2.62915	3.17921
95	0.67708	1.29053	1.66105	1.98525	2.36624	2.62858	3.17825
96	0.67705	1.29043	1.66088	1.98498	2.36582	2.62802	3.17731
97	0.67703	1.29034	1.66071	1.98472	2.36541	2.62747	3.17639
98	0.67700	1.29025	1.66055	1.98447	2.36500	2.62693	3.17549
99	0.67698	1.29016	1.66039	1.98422	2.36461	2.62641	3.17460
100	0.67695	1.29007	1.66023	1.98397	2.36422	2.62589	3.17374
101	0.67693	1.28999	1.66008	1.98373	2.36384	2.62539	3.17289
102	0.67690	1.28991	1.65993	1.98350	2.36346	2.62489	3.17206
103	0.67688	1.28982	1.65978	1.98326	2.36310	2.62441	3.17125
104	0.67686	1.28974	1.65964	1.98304	2.36274	2.62393	3.17045
105	0.67683	1.28967	1.65950	1.98282	2.36239	2.62347	3.16967
106	0.67681	1.28959	1.65936	1.98260	2.36204	2.62301	3.16890
107	0.67679	1.28951	1.65922	1.98238	2.36170	2.62256	3.16815
108	0.67677	1.28944	1.65909	1.98217	2.36137	2.62212	3.16741
109	0.67675	1.28937	1.65895	1.98197	2.36105	2.62169	3.16669
110	0.67673	1.28930	1.65882	1.98177	2.36073	2.62126	3.16598
111	0.67671	1.28922	1.65870	1.98157	2.36041	2.62085	3.16528
112	0.67669	1.28916	1.65857	1.98137	2.36010	2.62044	3.16460
113	0.67667	1.28909	1.65845	1.98118	2.35980	2.62004	3.16392
114	0.67665	1.28902	1.65833	1.98099	2.35950	2.61964	3.16326
115	0.67663	1.28896	1.65821	1.98081	2.35921	2.61926	3.16262
116	0.67661	1.28889	1.65810	1.98063	2.35892	2.61888	3.16198
117	0.67659	1.28883	1.65798	1.98045	2.35864	2.61850	3.16135
118	0.67657	1.28877	1.65787	1.98027	2.35837	2.61814	3.16074
119	0.67656	1.28871	1.65776	1.98010	2.35809	2.61778	3.16013
120	0.67654	1.28865	1.65765	1.97993	2.35782	2.61742	3.15954

df	Pr	0.25	0.10	0.05	0.025	0.01	0.005	0.001
		0.50	0.20	0.10	0.050	0.02	0.010	0.002
121	0.67652	1.28859	1.65754	1.97976	2.35756	2.61707	3.15895	
122	0.67651	1.28853	1.65744	1.97960	2.35730	2.61673	3.15838	
123	0.67649	1.28847	1.65734	1.97944	2.35705	2.61639	3.15781	
124	0.67647	1.28842	1.65723	1.97928	2.35680	2.61606	3.15726	
125	0.67646	1.28836	1.65714	1.97912	2.35655	2.61573	3.15671	
126	0.67644	1.28831	1.65704	1.97897	2.35631	2.61541	3.15617	
127	0.67643	1.28825	1.65694	1.97882	2.35607	2.61510	3.15565	
128	0.67641	1.28820	1.65685	1.97867	2.35583	2.61478	3.15512	
129	0.67640	1.28815	1.65675	1.97852	2.35560	2.61448	3.15461	
130	0.67638	1.28810	1.65666	1.97838	2.35537	2.61418	3.15411	
131	0.67637	1.28805	1.65657	1.97824	2.35515	2.61388	3.15361	
132	0.67635	1.28800	1.65648	1.97810	2.35493	2.61359	3.15312	
133	0.67634	1.28795	1.65639	1.97796	2.35471	2.61330	3.15264	
134	0.67633	1.28790	1.65630	1.97783	2.35450	2.61302	3.15217	
135	0.67631	1.28785	1.65622	1.97769	2.35429	2.61274	3.15170	
136	0.67630	1.28781	1.65613	1.97756	2.35408	2.61246	3.15124	
137	0.67628	1.28776	1.65605	1.97743	2.35387	2.61219	3.15079	
138	0.67627	1.28772	1.65597	1.97730	2.35367	2.61193	3.15034	
139	0.67626	1.28767	1.65589	1.97718	2.35347	2.61166	3.14990	
140	0.67625	1.28763	1.65581	1.97705	2.35328	2.61140	3.14947	
141	0.67623	1.28758	1.65573	1.97693	2.35309	2.61115	3.14904	
142	0.67622	1.28754	1.65566	1.97681	2.35289	2.61090	3.14862	
143	0.67621	1.28750	1.65558	1.97669	2.35271	2.61065	3.14820	
144	0.67620	1.28746	1.65550	1.97658	2.35252	2.61040	3.14779	
145	0.67619	1.28742	1.65543	1.97646	2.35234	2.61016	3.14739	
146	0.67617	1.28738	1.65536	1.97635	2.35216	2.60992	3.14699	
147	0.67616	1.28734	1.65529	1.97623	2.35198	2.60969	3.14660	
148	0.67615	1.28730	1.65521	1.97612	2.35181	2.60946	3.14621	
149	0.67614	1.28726	1.65514	1.97601	2.35163	2.60923	3.14583	
150	0.67613	1.28722	1.65508	1.97591	2.35146	2.60900	3.14545	
151	0.67612	1.28718	1.65501	1.97580	2.35130	2.60878	3.14508	
152	0.67611	1.28715	1.65494	1.97569	2.35113	2.60856	3.14471	
153	0.67610	1.28711	1.65487	1.97559	2.35097	2.60834	3.14435	
154	0.67609	1.28707	1.65481	1.97549	2.35081	2.60813	3.14400	
155	0.67608	1.28704	1.65474	1.97539	2.35065	2.60792	3.14364	
156	0.67607	1.28700	1.65468	1.97529	2.35049	2.60771	3.14330	
157	0.67606	1.28697	1.65462	1.97519	2.35033	2.60751	3.14295	
158	0.67605	1.28693	1.65455	1.97509	2.35018	2.60730	3.14261	
159	0.67604	1.28690	1.65449	1.97500	2.35003	2.60710	3.14228	
160	0.67603	1.28687	1.65443	1.97490	2.34988	2.60691	3.14195	

df \ Pr	0.25	0.10	0.05	0.025	0.01	0.005	0.001
	0.50	0.20	0.10	0.050	0.02	0.010	0.002
161	0.67602	1.28683	1.65437	1.97481	2.34973	2.60671	3.14162
162	0.67601	1.28680	1.65431	1.97472	2.34959	2.60652	3.14130
163	0.67600	1.28677	1.65426	1.97462	2.34944	2.60633	3.14098
164	0.67599	1.28673	1.65420	1.97453	2.34930	2.60614	3.14067
165	0.67598	1.28670	1.65414	1.97445	2.34916	2.60595	3.14036
166	0.67597	1.28667	1.65408	1.97436	2.34902	2.60577	3.14005
167	0.67596	1.28664	1.65403	1.97427	2.34888	2.60559	3.13975
168	0.67595	1.28661	1.65397	1.97419	2.34875	2.60541	3.13945
169	0.67594	1.28658	1.65392	1.97410	2.34862	2.60523	3.13915
170	0.67594	1.28655	1.65387	1.97402	2.34848	2.60506	3.13886
171	0.67593	1.28652	1.65381	1.97393	2.34835	2.60489	3.13857
172	0.67592	1.28649	1.65376	1.97385	2.34822	2.60471	3.13829
173	0.67591	1.28646	1.65371	1.97377	2.34810	2.60455	3.13801
174	0.67590	1.28644	1.65366	1.97369	2.34797	2.60438	3.13773
175	0.67589	1.28641	1.65361	1.97361	2.34784	2.60421	3.13745
176	0.67589	1.28638	1.65356	1.97353	2.34772	2.60405	3.13718
177	0.67588	1.28635	1.65351	1.97346	2.34760	2.60389	3.13691
178	0.67587	1.28633	1.65346	1.97338	2.34748	2.60373	3.13665
179	0.67586	1.28630	1.65341	1.97331	2.34736	2.60357	3.13638
180	0.67586	1.28627	1.65336	1.97323	2.34724	2.60342	3.13612
181	0.67585	1.28625	1.65332	1.97316	2.34713	2.60326	3.13587
182	0.67584	1.28622	1.65327	1.97308	2.34701	2.60311	3.13561
183	0.67583	1.28619	1.65322	1.97301	2.34690	2.60296	3.13536
184	0.67583	1.28617	1.65318	1.97294	2.34678	2.60281	3.13511
185	0.67582	1.28614	1.65313	1.97287	2.34667	2.60267	3.13487
186	0.67581	1.28612	1.65309	1.97280	2.34656	2.60252	3.13463
187	0.67580	1.28610	1.65304	1.97273	2.34645	2.60238	3.13438
188	0.67580	1.28607	1.65300	1.97266	2.34635	2.60223	3.13415
189	0.67579	1.28605	1.65296	1.97260	2.34624	2.60209	3.13391
190	0.67578	1.28602	1.65291	1.97253	2.34613	2.60195	3.13368
191	0.67578	1.28600	1.65287	1.97246	2.34603	2.60181	3.13345
192	0.67577	1.28598	1.65283	1.97240	2.34593	2.60168	3.13322
193	0.67576	1.28595	1.65279	1.97233	2.34582	2.60154	3.13299
194	0.67576	1.28593	1.65275	1.97227	2.34572	2.60141	3.13277
195	0.67575	1.28591	1.65271	1.97220	2.34562	2.60128	3.13255
196	0.67574	1.28589	1.65267	1.97214	2.34552	2.60115	3.13233
197	0.67574	1.28586	1.65263	1.97208	2.34543	2.60102	3.13212
198	0.67573	1.28584	1.65259	1.97202	2.34533	2.60089	3.13190
199	0.67572	1.28582	1.65255	1.97196	2.34523	2.60076	3.13169
200	0.67572	1.28580	1.65251	1.97190	2.34514	2.60063	3.13148

Catatan: Probabilita yang lebih kecil yang ditunjukkan pada judul tiap kolom adalah luas daerah dalam satu ujung, sedangkan probabilitas yang lebih besar adalah luas daerah dalam kedua ujung

**Titik Persentase Distribusi F untuk Probabilita = 0,05**

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	16	19	21	22	23	23	23	23	24	24	24	24	245	24	24
1	1	9	6	5	0	4	7	9	1	2	3	4		5	6
2	18	19	19	19	19	19	19	19	19	19	19	19	19.42	19	19
.5	.0	.1	.2	.3	.3	.3	.3	.3	.3	.4	.4	.4		.4	.4
1	0	6	5	0	3	5	7	8	0	0	1			2	3
3	10	9.	9.	9.	9.	8.	8.	8.	8.	8.	8.	8.	8.73	8.	8.
.1	55	28	12	01	94	89	85	81	79	76	74			71	70
3															
4	7.	6.	6.	6.	6.	6.	6.	6.	6.	5.	5.	5.	5.89	5.	5.
71	94	59	39	26	16	09	04	00	96	94	91			87	86
5	6.	5.	5.	5.	5.	4.	4.	4.	4.	4.	4.	4.	4.66	4.	4.
61	79	41	19	05	95	88	82	77	74	70	68			64	62
6	5.	5.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	3.98	3.	3.
99	14	76	53	39	28	21	15	10	06	03	00			96	94
7	5.	4.	4.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.55	3.	3.
59	74	35	12	97	87	79	73	68	64	60	57			53	51
8	5.	4.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.26	3.	3.
32	46	07	84	69	58	50	44	39	35	31	28			24	22
9	5.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.05	3.	3.
12	26	86	63	48	37	29	23	18	14	10	07			03	01
10	4.	4.	3.	3.	3.	3.	3.	3.	2.	2.	2.	2.	2.89	2.	2.
96	10	71	48	33	22	14	07	02	98	94	91			86	85
11	4.	3.	3.	3.	3.	3.	2.	2.	2.	2.	2.	2.	2.76	2.	2.
84	98	59	36	20	09	01	95	90	85	82	79			74	72
12	4.	3.	3.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.66	2.	2.
75	89	49	26	11	00	91	85	80	75	72	69			64	62
13	4.	3.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.58	2.	2.
67	81	41	18	03	92	83	77	71	67	63	60			55	53
14	4.	3.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.51	2.	2.
60	74	34	11	96	85	76	70	65	60	57	53			48	46
15	4.	3.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.45	2.	2.
54	68	29	06	90	79	71	64	59	54	51	48			42	40
16	4.	3.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.40	2.	2.
49	63	24	01	85	74	66	59	54	49	46	42			37	35
17	4.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.35	2.	2.
45	59	20	96	81	70	61	55	49	45	41	38			33	31
18	4.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.31	2.	2.
41	55	16	93	77	66	58	51	46	41	37	34			29	27
19	4.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.28	2.	2.
38	52	13	90	74	63	54	48	42	38	34	31			26	23
20	4.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.25	2.	2.
35	49	10	87	71	60	51	45	39	35	31	28			22	20
21	4.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.22	2.	2.
32	47	07	84	68	57	49	42	37	32	28	25			20	18
22	4.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.20	2.	2.
30	44	05	82	66	55	46	40	34	30	26	23			17	15
23	4.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.18	2.	2.
28	42	03	80	64	53	44	37	32	27	24	20			15	13
24	4.	3.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.15	2.	2.
26	40	01	78	62	51	42	36	30	25	22	18			13	11
25	4.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.14	2.	2.
24	39	99	76	60	49	40	34	28	24	20	16			11	09
26	4.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.12	2.	2.
23	37	98	74	59	47	39	32	27	22	18	15			09	07
27	4.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.10	2.	2.
21	35	96	73	57	46	37	31	25	20	17	13			08	06
28	4.	3.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.09	2.	2.
20	34	95	71	56	45	36	29	24	19	15	12			06	04



29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.14	2.10	2.08	2.05	2.03
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.13	2.09	2.06	2.04	2.01
31	4.16	3.30	2.91	2.68	2.52	2.41	2.32	2.25	2.20	2.15	2.11	2.08	2.05	2.03	2.00
32	4.15	3.29	2.90	2.67	2.51	2.40	2.31	2.24	2.19	2.14	2.10	2.07	2.04	2.01	1.99
33	4.14	3.28	2.89	2.66	2.50	2.39	2.30	2.23	2.18	2.13	2.09	2.06	2.03	2.00	1.98
34	4.13	3.28	2.88	2.65	2.49	2.38	2.29	2.23	2.17	2.12	2.08	2.05	2.02	1.99	1.97
35	4.12	3.27	2.87	2.64	2.49	2.37	2.29	2.22	2.16	2.11	2.07	2.04	2.01	1.99	1.96
36	4.11	3.26	2.87	2.63	2.48	2.36	2.28	2.21	2.15	2.11	2.07	2.03	2.00	1.98	1.95
37	4.11	3.25	2.86	2.63	2.47	2.36	2.27	2.20	2.14	2.10	2.06	2.02	2.00	1.97	1.95
38	4.10	3.24	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	2.05	2.02	1.99	1.96	1.94
39	4.09	3.24	2.85	2.61	2.46	2.34	2.26	2.19	2.13	2.08	2.04	2.01	1.98	1.95	1.93
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.04	2.00	1.97	1.95	1.92
41	4.08	3.23	2.83	2.60	2.44	2.33	2.24	2.17	2.12	2.07	2.03	2.00	1.97	1.94	1.92
42	4.07	3.22	2.83	2.59	2.44	2.32	2.24	2.17	2.11	2.06	2.03	1.99	1.96	1.94	1.91
43	4.07	3.21	2.82	2.59	2.43	2.32	2.23	2.16	2.11	2.06	2.02	1.99	1.96	1.93	1.91
44	4.06	3.21	2.82	2.58	2.43	2.31	2.23	2.16	2.10	2.05	2.01	1.98	1.95	1.92	1.90
45	4.06	3.20	2.81	2.58	2.42	2.31	2.22	2.15	2.10	2.05	2.01	1.97	1.94	1.92	1.89



**Titik Persentase Distribusi F untuk Probabilita = 0,05**

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46	4.05	3.20	2.81	2.57	2.42	2.30	2.22	2.15	2.09	2.04	2.00	1.97	1.94	1.91	1.89
47	4.05	3.20	2.80	2.57	2.41	2.30	2.21	2.14	2.09	2.04	2.00	1.96	1.93	1.90	1.88
48	4.04	3.19	2.80	2.57	2.41	2.29	2.21	2.14	2.08	2.03	1.99	1.96	1.93	1.90	1.88
49	4.04	3.19	2.79	2.56	2.40	2.29	2.20	2.13	2.08	2.03	1.99	1.96	1.93	1.90	1.88
50	4.03	3.18	2.79	2.56	2.40	2.29	2.20	2.13	2.07	2.03	1.99	1.95	1.92	1.89	1.87
51	4.03	3.18	2.79	2.55	2.40	2.28	2.20	2.13	2.07	2.02	1.98	1.95	1.92	1.89	1.87
52	4.03	3.18	2.78	2.55	2.39	2.28	2.19	2.12	2.07	2.02	1.98	1.94	1.91	1.88	1.86
53	4.02	3.17	2.78	2.55	2.39	2.28	2.19	2.12	2.06	2.01	1.97	1.94	1.91	1.88	1.86
54	4.02	3.17	2.78	2.54	2.39	2.27	2.18	2.12	2.06	2.01	1.97	1.94	1.91	1.88	1.86
55	4.02	3.16	2.77	2.54	2.38	2.27	2.18	2.11	2.06	2.01	1.97	1.93	1.90	1.87	1.85
56	4.01	3.16	2.77	2.54	2.38	2.27	2.18	2.11	2.05	2.00	1.96	1.93	1.90	1.87	1.85
57	4.01	3.16	2.77	2.53	2.38	2.26	2.18	2.11	2.05	2.00	1.96	1.93	1.90	1.87	1.85
58	4.01	3.16	2.76	2.53	2.37	2.26	2.17	2.10	2.05	2.00	1.96	1.92	1.89	1.86	1.84
59	4.00	3.15	2.76	2.53	2.37	2.26	2.17	2.10	2.04	2.00	1.96	1.92	1.89	1.86	1.84
60	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99	1.95	1.92	1.89	1.86	1.84
61	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99	1.95	1.92	1.88	1.85	1.83

	00	15	76	. 5 2	37	25	16	09	04	99	95	91		. 8 6	83
62	4. 00	3. 15	2. 75	2 .5 2	2. 36	2. 25	2. 16	2. 09	2. 03	1. 99	1. 95	1. 91	1.88	1 .8 5	1. 83
63	3. 99	3. 14	2. 75	2 .5 2	2. 36	2. 25	2. 16	2. 09	2. 03	1. 98	1. 94	1. 91	1.88	1 .8 5	1. 83
64	3. 99	3. 14	2. 75	2 .5 2	2. 36	2. 24	2. 16	2. 09	2. 03	1. 98	1. 94	1. 91	1.88	1 .8 5	1. 83
65	3. 99	3. 14	2. 75	2 .5 1	2. 36	2. 24	2. 15	2. 08	2. 03	1. 98	1. 94	1. 90	1.87	1 .8 5	1. 82
66	3. 99	3. 14	2. 74	2 .5 1	2. 35	2. 24	2. 15	2. 08	2. 03	1. 98	1. 94	1. 90	1.87	1 .8 4	1. 82
67	3. 98	3. 13	2. 74	2 .5 1	2. 35	2. 24	2. 15	2. 08	2. 02	1. 98	1. 93	1. 90	1.87	1 .8 4	1. 82
68	3. 98	3. 13	2. 74	2 .5 1	2. 35	2. 24	2. 15	2. 08	2. 02	1. 97	1. 93	1. 90	1.87	1 .8 4	1. 82
69	3. 98	3. 13	2. 74	2 .5 0	2. 35	2. 23	2. 15	2. 08	2. 02	1. 97	1. 93	1. 90	1.86	1 .8 4	1. 81
70	3. 98	3. 13	2. 74	2 .5 0	2. 35	2. 23	2. 14	2. 07	2. 02	1. 97	1. 93	1. 89	1.86	1 .8 4	1. 81
71	3. 98	3. 13	2. 73	2 .5 0	2. 34	2. 23	2. 14	2. 07	2. 01	1. 97	1. 93	1. 89	1.86	1 .8 3	1. 81
72	3. 97	3. 12	2. 73	2 .5 0	2. 34	2. 23	2. 14	2. 07	2. 01	1. 96	1. 92	1. 89	1.86	1 .8 3	1. 81
73	3. 97	3. 12	2. 73	2 .5 0	2. 34	2. 23	2. 14	2. 07	2. 01	1. 96	1. 92	1. 89	1.86	1 .8 3	1. 81
74	3. 97	3. 12	2. 73	2 .5 0	2. 34	2. 22	2. 14	2. 07	2. 01	1. 96	1. 92	1. 89	1.85	1 .8 3	1. 80
75	3. 97	3. 12	2. 73	2 .4 9	2. 34	2. 22	2. 13	2. 06	2. 01	1. 96	1. 92	1. 88	1.85	1 .8 3	1. 80
76	3. 97	3. 12	2. 72	2 .4 9	2. 33	2. 22	2. 13	2. 06	2. 01	1. 96	1. 92	1. 88	1.85	1 .8 2	1. 80
77	3. 97	3. 12	2. 72	2 .4 9	2. 33	2. 22	2. 13	2. 06	2. 00	1. 96	1. 92	1. 88	1.85	1 .8 2	1. 80
78	3. 96	3. 11	2. 72	2 .4 9	2. 33	2. 22	2. 13	2. 06	2. 00	1. 95	1. 91	1. 88	1.85	1 .8	1. 80

79	3. 96	3. 11	2. 72	2. 4 9	2. 33	2. 22	2. 13	2. 06	2. 00	1. 95	1. 91	1. 88	1.85	1. 8 2	1. 79
80	3. 96	3. 11	2. 72	2. 4 9	2. 33	2. 21	2. 13	2. 06	2. 00	1. 95	1. 91	1. 88	1.84	1. 8 2	1. 79
81	3. 96	3. 11	2. 72	2. 4 8	2. 33	2. 21	2. 12	2. 05	2. 00	1. 95	1. 91	1. 87	1.84	1. 8 2	1. 79
82	3. 96	3. 11	2. 72	2. 4 8	2. 33	2. 21	2. 12	2. 05	2. 00	1. 95	1. 91	1. 87	1.84	1. 8 1	1. 79
83	3. 96	3. 11	2. 71	2. 4 8	2. 32	2. 21	2. 12	2. 05	1. 99	1. 95	1. 91	1. 87	1.84	1. 8 1	1. 79
84	3. 95	3. 11	2. 71	2. 4 8	2. 32	2. 21	2. 12	2. 05	1. 99	1. 95	1. 90	1. 87	1.84	1. 8 1	1. 79
85	3. 95	3. 10	2. 71	2. 4 8	2. 32	2. 21	2. 12	2. 05	1. 99	1. 94	1. 90	1. 87	1.84	1. 8 1	1. 79
86	3. 95	3. 10	2. 71	2. 4 8	2. 32	2. 21	2. 12	2. 05	1. 99	1. 94	1. 90	1. 87	1.84	1. 8 1	1. 78
87	3. 95	3. 10	2. 71	2. 4 8	2. 32	2. 20	2. 12	2. 05	1. 99	1. 94	1. 90	1. 87	1.83	1. 8 1	1. 78
88	3. 95	3. 10	2. 71	2. 4 8	2. 32	2. 20	2. 12	2. 05	1. 99	1. 94	1. 90	1. 86	1.83	1. 8 1	1. 78
89	3. 95	3. 10	2. 71	2. 4 7	2. 32	2. 20	2. 11	2. 04	1. 99	1. 94	1. 90	1. 86	1.83	1. 8 0	1. 78
90	3. 95	3. 10	2. 71	2. 4 7	2. 32	2. 20	2. 11	2. 04	1. 99	1. 94	1. 90	1. 86	1.83	1. 8 0	1. 78

**Titik Persentase Distribusi F untuk Probabilita = 0,05**

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
91	3.95	3.10	2.70	2.47	2.31	2.20	2.11	2.04	1.98	1.94	1.90	1.86	1.83	1.80	1.78
92	3.94	3.10	2.70	2.47	2.31	2.20	2.11	2.04	1.98	1.94	1.89	1.86	1.83	1.80	1.78
93	3.94	3.09	2.70	2.47	2.31	2.20	2.11	2.04	1.98	1.93	1.89	1.86	1.83	1.80	1.78
94	3.94	3.09	2.70	2.47	2.31	2.20	2.11	2.04	1.98	1.93	1.89	1.86	1.83	1.80	1.77
95	3.94	3.09	2.70	2.47	2.31	2.20	2.11	2.04	1.98	1.93	1.89	1.86	1.82	1.80	1.77
96	3.94	3.09	2.70	2.47	2.31	2.19	2.11	2.04	1.98	1.93	1.89	1.85	1.82	1.80	1.77
97	3.94	3.09	2.70	2.47	2.31	2.19	2.11	2.04	1.98	1.93	1.89	1.85	1.82	1.80	1.77
98	3.94	3.09	2.70	2.46	2.31	2.19	2.10	2.03	1.98	1.93	1.89	1.85	1.82	1.79	1.77
99	3.94	3.09	2.70	2.46	2.31	2.19	2.10	2.03	1.98	1.93	1.89	1.85	1.82	1.79	1.77
100	3.94	3.09	2.70	2.46	2.31	2.19	2.10	2.03	1.97	1.93	1.89	1.85	1.82	1.79	1.77
101	3.94	3.09	2.69	2.46	2.30	2.19	2.10	2.03	1.97	1.93	1.88	1.85	1.82	1.79	1.77
102	3.93	3.09	2.69	2.46	2.30	2.19	2.10	2.03	1.97	1.92	1.88	1.85	1.82	1.79	1.77
103	3.93	3.08	2.69	2.46	2.30	2.19	2.10	2.03	1.97	1.92	1.88	1.85	1.82	1.79	1.76
104	3.93	3.08	2.69	2.46	2.30	2.19	2.10	2.03	1.97	1.92	1.88	1.85	1.82	1.79	1.76
105	3.93	3.08	2.69	2.46	2.30	2.19	2.10	2.03	1.97	1.92	1.88	1.85	1.81	1.79	1.76
106	3	3	2	2	2	2	2	2	1	1	1	1	1.81	1	1

	93	08	69	. 4 6	30	19	10	03	97	92	88	84		. 7 9	76
<b>107</b>	3. 93	3. 08	2. 69	2 .4 6	2. 30	2. 18	2. 10	2. 03	1. 97	1. 92	1. 88	1. 84	1.81	1 .7 9	1. 76
<b>108</b>	3. 93	3. 08	2. 69	2 .4 6	2. 30	2. 18	2. 10	2. 03	1. 97	1. 92	1. 88	1. 84	1.81	1 .7 9	1. 76
<b>109</b>	3. 93	3. 08	2. 69	2 .4 5	2. 30	2. 18	2. 09	2. 02	1. 97	1. 92	1. 88	1. 84	1.81	1 .7 8	1. 76
<b>110</b>	3. 93	3. 08	2. 69	2 .4 5	2. 30	2. 18	2. 09	2. 02	1. 97	1. 92	1. 88	1. 84	1.81	1 .7 8	1. 76
<b>111</b>	3. 93	3. 08	2. 69	2 .4 5	2. 30	2. 18	2. 09	2. 02	1. 97	1. 92	1. 88	1. 84	1.81	1 .7 8	1. 76
<b>112</b>	3. 93	3. 08	2. 69	2 .4 5	2. 30	2. 18	2. 09	2. 02	1. 96	1. 92	1. 88	1. 84	1.81	1 .7 8	1. 76
<b>113</b>	3. 93	3. 08	2. 68	2 .4 5	2. 29	2. 18	2. 09	2. 02	1. 96	1. 92	1. 87	1. 84	1.81	1 .7 8	1. 76
<b>114</b>	3. 92	3. 08	2. 68	2 .4 5	2. 29	2. 18	2. 09	2. 02	1. 96	1. 91	1. 87	1. 84	1.81	1 .7 8	1. 75
<b>115</b>	3. 92	3. 08	2. 68	2 .4 5	2. 29	2. 18	2. 09	2. 02	1. 96	1. 91	1. 87	1. 84	1.81	1 .7 8	1. 75
<b>116</b>	3. 92	3. 07	2. 68	2 .4 5	2. 29	2. 18	2. 09	2. 02	1. 96	1. 91	1. 87	1. 84	1.81	1 .7 8	1. 75
<b>117</b>	3. 92	3. 07	2. 68	2 .4 5	2. 29	2. 18	2. 09	2. 02	1. 96	1. 91	1. 87	1. 84	1.80	1 .7 8	1. 75
<b>118</b>	3. 92	3. 07	2. 68	2 .4 5	2. 29	2. 18	2. 09	2. 02	1. 96	1. 91	1. 87	1. 84	1.80	1 .7 8	1. 75
<b>119</b>	3. 92	3. 07	2. 68	2 .4 5	2. 29	2. 18	2. 09	2. 02	1. 96	1. 91	1. 87	1. 83	1.80	1 .7 8	1. 75
<b>120</b>	3. 92	3. 07	2. 68	2 .4 5	2. 29	2. 18	2. 09	2. 02	1. 96	1. 91	1. 87	1. 83	1.80	1 .7 8	1. 75
<b>121</b>	3. 92	3. 07	2. 68	2 .4 5	2. 29	2. 17	2. 09	2. 02	1. 96	1. 91	1. 87	1. 83	1.80	1 .7 7	1. 75
<b>122</b>	3. 92	3. 07	2. 68	2 .4 5	2. 29	2. 17	2. 09	2. 02	1. 96	1. 91	1. 87	1. 83	1.80	1 .7 7	1. 75
<b>123</b>	3. 92	3. 07	2. 68	2 .4	2. 29	2. 17	2. 08	2. 01	1. 96	1. 91	1. 87	1. 83	1.80	1 .7	1. 75

124	3. 92	3. 07	2. 68	2 .4 4	2. 29	2. 17	2. 08	2. 01	1. 96	1. 91	1. 87	1. 83	1.80	1 .7 7	1. 75
125	3. 92	3. 07	2. 68	2 .4 4	2. 29	2. 17	2. 08	2. 01	1. 96	1. 91	1. 87	1. 83	1.80	1 .7 7	1. 75
126	3. 92	3. 07	2. 68	2 .4 4	2. 29	2. 17	2. 08	2. 01	1. 95	1. 91	1. 87	1. 83	1.80	1 .7 7	1. 75
127	3. 92	3. 07	2. 68	2 .4 4	2. 29	2. 17	2. 08	2. 01	1. 95	1. 91	1. 86	1. 83	1.80	1 .7 7	1. 75
128	3. 92	3. 07	2. 68	2 .4 4	2. 29	2. 17	2. 08	2. 01	1. 95	1. 91	1. 86	1. 83	1.80	1 .7 7	1. 75
129	3. 91	3. 07	2. 67	2 .4 4	2. 28	2. 17	2. 08	2. 01	1. 95	1. 90	1. 86	1. 83	1.80	1 .7 7	1. 74
130	3. 91	3. 07	2. 67	2 .4 4	2. 28	2. 17	2. 08	2. 01	1. 95	1. 90	1. 86	1. 83	1.80	1 .7 7	1. 74
131	3. 91	3. 07	2. 67	2 .4 4	2. 28	2. 17	2. 08	2. 01	1. 95	1. 90	1. 86	1. 83	1.80	1 .7 7	1. 74
132	3. 91	3. 06	2. 67	2 .4 4	2. 28	2. 17	2. 08	2. 01	1. 95	1. 90	1. 86	1. 83	1.79	1 .7 7	1. 74
133	3. 91	3. 06	2. 67	2 .4 4	2. 28	2. 17	2. 08	2. 01	1. 95	1. 90	1. 86	1. 83	1.79	1 .7 7	1. 74
134	3. 91	3. 06	2. 67	2 .4 4	2. 28	2. 17	2. 08	2. 01	1. 95	1. 90	1. 86	1. 83	1.79	1 .7 7	1. 74
135	3. 91	3. 06	2. 67	2 .4 4	2. 28	2. 17	2. 08	2. 01	1. 95	1. 90	1. 86	1. 82	1.79	1 .7 7	1. 74

**Titik Persentase Distribusi F untuk Probabilita = 0,05**

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
136	3.91	3.06	2.67	2.44	2.28	2.17	2.08	2.01	1.95	1.90	1.86	1.82	1.79	1.77	1.74
137	3.91	3.06	2.67	2.44	2.28	2.17	2.08	2.01	1.95	1.90	1.86	1.82	1.79	1.77	1.74
138	3.91	3.06	2.67	2.44	2.28	2.16	2.08	2.01	1.95	1.90	1.86	1.82	1.79	1.77	1.74
139	3.91	3.06	2.67	2.44	2.28	2.16	2.08	2.01	1.95	1.90	1.86	1.82	1.79	1.77	1.74
140	3.91	3.06	2.67	2.44	2.28	2.16	2.08	2.01	1.95	1.90	1.86	1.82	1.79	1.77	1.74
141	3.91	3.06	2.67	2.44	2.28	2.16	2.08	2.00	1.95	1.90	1.86	1.82	1.79	1.77	1.74
142	3.91	3.06	2.67	2.44	2.28	2.16	2.07	2.00	1.95	1.90	1.86	1.82	1.79	1.77	1.74
143	3.91	3.06	2.67	2.44	2.28	2.16	2.07	2.00	1.95	1.90	1.86	1.82	1.79	1.77	1.74
144	3.91	3.06	2.67	2.44	2.28	2.16	2.07	2.00	1.95	1.90	1.86	1.82	1.79	1.77	1.74
145	3.91	3.06	2.67	2.44	2.28	2.16	2.07	2.00	1.94	1.90	1.86	1.82	1.79	1.77	1.74
146	3.91	3.06	2.67	2.44	2.28	2.16	2.07	2.00	1.94	1.90	1.85	1.82	1.79	1.77	1.74
147	3.91	3.06	2.67	2.44	2.28	2.16	2.07	2.00	1.94	1.90	1.85	1.82	1.79	1.77	1.73
148	3.91	3.06	2.67	2.44	2.28	2.16	2.07	2.00	1.94	1.90	1.85	1.82	1.79	1.77	1.73
149	3.90	3.06	2.67	2.44	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.82	1.79	1.77	1.73
150	3.90	3.06	2.66	2.44	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.82	1.79	1.77	1.73
151	3	3	2	2	2	2	2	2	1	1	1	1	1.79	1	1



	90	06	66	. 4 3	27	16	07	00	94	89	85	82		. 7 6	73
<b>152</b>	3. 90	3. 06	2. 66	2 .4 3	2. 27	2. 16	2. 07	2. 00	1. 94	1. 89	1. 85	1. 82	1.79	1 .7 6	1. 73
<b>153</b>	3. 90	3. 06	2. 66	2 .4 3	2. 27	2. 16	2. 07	2. 00	1. 94	1. 89	1. 85	1. 82	1.78	1 .7 6	1. 73
<b>154</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 16	2. 07	2. 00	1. 94	1. 89	1. 85	1. 82	1.78	1 .7 6	1. 73
<b>155</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 16	2. 07	2. 00	1. 94	1. 89	1. 85	1. 82	1.78	1 .7 6	1. 73
<b>156</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 16	2. 07	2. 00	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 6	1. 73
<b>157</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 16	2. 07	2. 00	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 6	1. 73
<b>158</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 16	2. 07	2. 00	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
<b>159</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 16	2. 07	2. 00	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
<b>160</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 16	2. 07	2. 00	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
<b>161</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 16	2. 07	2. 00	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
<b>162</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 15	2. 07	2. 00	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
<b>163</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 15	2. 07	2. 00	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
<b>164</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 15	2. 07	2. 00	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
<b>165</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 15	2. 07	1. 99	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
<b>166</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 15	2. 07	1. 99	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
<b>167</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 15	2. 06	1. 99	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
<b>168</b>	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 15	2. 06	1. 99	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73

169	3. 90	3. 05	2. 66	2 .4 3	2. 27	2. 15	2. 06	1. 99	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
170	3. 90	3. 05	2. 66	2 .4 2	2. 27	2. 15	2. 06	1. 99	1. 94	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
171	3. 90	3. 05	2. 66	2 .4 2	2. 27	2. 15	2. 06	1. 99	1. 93	1. 89	1. 85	1. 81	1.78	1 .7 5	1. 73
172	3. 90	3. 05	2. 66	2 .4 2	2. 27	2. 15	2. 06	1. 99	1. 93	1. 89	1. 84	1. 81	1.78	1 .7 5	1. 72
173	3. 90	3. 05	2. 66	2 .4 2	2. 27	2. 15	2. 06	1. 99	1. 93	1. 89	1. 84	1. 81	1.78	1 .7 5	1. 72
174	3. 90	3. 05	2. 66	2 .4 2	2. 27	2. 15	2. 06	1. 99	1. 93	1. 89	1. 84	1. 81	1.78	1 .7 5	1. 72
175	3. 90	3. 05	2. 66	2 .4 2	2. 27	2. 15	2. 06	1. 99	1. 93	1. 89	1. 84	1. 81	1.78	1 .7 5	1. 72
176	3. 89	3. 05	2. 66	2 .4 2	2. 27	2. 15	2. 06	1. 99	1. 93	1. 88	1. 84	1. 81	1.78	1 .7 5	1. 72
177	3. 89	3. 05	2. 66	2 .4 2	2. 27	2. 15	2. 06	1. 99	1. 93	1. 88	1. 84	1. 81	1.78	1 .7 5	1. 72
178	3. 89	3. 05	2. 66	2 .4 2	2. 26	2. 15	2. 06	1. 99	1. 93	1. 88	1. 84	1. 81	1.78	1 .7 5	1. 72
179	3. 89	3. 05	2. 66	2 .4 2	2. 26	2. 15	2. 06	1. 99	1. 93	1. 88	1. 84	1. 81	1.78	1 .7 5	1. 72
180	3. 89	3. 05	2. 65	2 .4 2	2. 26	2. 15	2. 06	1. 99	1. 93	1. 88	1. 84	1. 81	1.77	1 .7 5	1. 72

**Titik Persentase Distribusi F untuk Probabilita = 0,05**

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
181	3.89	3.05	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.81	1.77	1.75	1.72
182	3.89	3.05	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.81	1.77	1.75	1.72
183	3.89	3.05	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.81	1.77	1.75	1.72
184	3.89	3.05	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.81	1.77	1.75	1.72
185	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.75	1.72
186	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.75	1.72
187	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
188	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
189	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
190	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
191	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
192	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
193	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
194	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
195	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
196	3.89	3.04	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
197	3.89	3.04	2.65	2.42	2.26	2.14	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
198	3.89	3.04	2.65	2.42	2.26	2.14	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
199	3.89	3.04	2.65	2.42	2.26	2.14	2.06	1.99	1.93	1.88	1.84	1.80	1.77	1.74	1.72
200	3.89	3.04	2.65	2.42	2.26	2.14	2.06	1.98	1.93	1.88	1.84	1.80	1.77	1.74	1.72
201	3.89	3.04	2.65	2.42	2.26	2.14	2.06	1.98	1.93	1.88	1.84	1.80	1.77	1.74	1.72

202	3.89	3.04	2.65	2.42	2.26	2.14	2.06	1.98	1.93	1.88	1.84	1.80	1.77	1.74	1.72	
203	3.89	3.04	2.65	2.42	2.26	2.14	2.05	1.98	1.93	1.88	1.84	1.80	1.77	1.74	1.72	
204	3.89	3.04	2.65	2.42	2.26	2.14	2.05	1.98	1.93	1.88	1.84	1.80	1.77	1.74	1.72	
205	3.89	3.04	2.65	2.42	2.26	2.14	2.05	1.98	1.93	1.88	1.84	1.80	1.77	1.74	1.72	
206	3.89	3.04	2.65	2.42	2.26	2.14	2.05	1.98	1.93	1.88	1.84	1.80	1.77	1.74	1.72	
207	3.89	3.04	2.65	2.42	2.26	2.14	2.05	1.98	1.93	1.88	1.84	1.80	1.77	1.74	1.71	
208	3.89	3.04	2.65	2.42	2.26	2.14	2.05	1.98	1.93	1.88	1.83	1.80	1.77	1.74	1.71	
209	3.89	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.88	1.83	1.80	1.77	1.74	1.71	
210	3.89	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.88	1.83	1.80	1.77	1.74	1.71	
211	3.89	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.88	1.83	1.80	1.77	1.74	1.71	
212	3.89	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.88	1.83	1.80	1.77	1.74	1.71	
213	3.89	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.88	1.83	1.80	1.77	1.74	1.71	
214	3.89	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.88	1.83	1.80	1.77	1.74	1.71	
215	3.89	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.77	1.74	1.71	
216	3.88	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.77	1.74	1.71	
217	3.88	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.77	1.74	1.71	
218	3.88	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.77	1.74	1.71	
219	3.88	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.77	1.74	1.71	<b>Page</b>
220	3.88	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.76	1.74	1.71	
221	3.88	3.04	2.65	2.41	2.25	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.76	1.74	1.71	
222	3.88	3.04	2.65	2.41	2.25	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.76	1.74	1.71	
223	3.88	3.04	2.65	2.41	2.25	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.76	1.74	1.71	
224	3.88	3.04	2.64	2.41	2.25	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.76	1.74	1.71	

225	3.88	3.04	2.64	2.41	2.25	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.76	1.74	1.71
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Diproduksi oleh: Junaidi  
<http://junaidichaniago.wordpress.com>

**Tabel r untuk df = 1 -**

df = (N-2)	Tingkat signifikansi untuk uji satu arah				
	0.05	0.025	0.01	0.005	0.0005
	Tingkat signifikansi untuk uji dua arah				
	0.1	0.05	0.02	0.01	0.001
1	0.9877	0.9969	0.9995	0.9999	1.0000
2	0.9000	0.9500	0.9800	0.9900	0.9990
3	0.8054	0.8783	0.9343	0.9587	0.9911
4	0.7293	0.8114	0.8822	0.9172	0.9741
5	0.6694	0.7545	0.8329	0.8745	0.9509
6	0.6215	0.7067	0.7887	0.8343	0.9249
7	0.5822	0.6664	0.7498	0.7977	0.8983
8	0.5494	0.6319	0.7155	0.7646	0.8721
9	0.5214	0.6021	0.6851	0.7348	0.8470
10	0.4973	0.5760	0.6581	0.7079	0.8233
11	0.4762	0.5529	0.6339	0.6835	0.8010
12	0.4575	0.5324	0.6120	0.6614	0.7800
13	0.4409	0.5140	0.5923	0.6411	0.7604
14	0.4259	0.4973	0.5742	0.6226	0.7419
15	0.4124	0.4821	0.5577	0.6055	0.7247
16	0.4000	0.4683	0.5425	0.5897	0.7084
17	0.3887	0.4555	0.5285	0.5751	0.6932
18	0.3783	0.4438	0.5155	0.5614	0.6788
19	0.3687	0.4329	0.5034	0.5487	0.6652
20	0.3598	0.4227	0.4921	0.5368	0.6524
21	0.3515	0.4132	0.4815	0.5256	0.6402
22	0.3438	0.4044	0.4716	0.5151	0.6287
23	0.3365	0.3961	0.4622	0.5052	0.6178
24	0.3297	0.3882	0.4534	0.4958	0.6074
25	0.3233	0.3809	0.4451	0.4869	0.5974
26	0.3172	0.3739	0.4372	0.4785	0.5880
27	0.3115	0.3673	0.4297	0.4705	0.5790
28	0.3061	0.3610	0.4226	0.4629	0.5703
29	0.3009	0.3550	0.4158	0.4556	0.5620
30	0.296	0.3494	0.409	0.4487	0.5541

**Tabel r untuk df = 1 -**

	0		3		
<b>31</b>	0.291 3	0.3440	0.403 2	0.4421	0.5465
<b>32</b>	0.286 9	0.3388	0.397 2	0.4357	0.5392
<b>33</b>	0.282 6	0.3338	0.391 6	0.4296	0.5322
<b>34</b>	0.278 5	0.3291	0.386 2	0.4238	0.5254
<b>35</b>	0.274 6	0.3246	0.381 0	0.4182	0.5189
<b>36</b>	0.270 9	0.3202	0.376 0	0.4128	0.5126
<b>37</b>	0.267 3	0.3160	0.371 2	0.4076	0.5066
<b>38</b>	0.263 8	0.3120	0.366 5	0.4026	0.5007
<b>39</b>	0.260 5	0.3081	0.362 1	0.3978	0.4950
<b>40</b>	0.257 3	0.3044	0.357 8	0.3932	0.4896
<b>41</b>	0.254 2	0.3008	0.353 6	0.3887	0.4843
<b>42</b>	0.251 2	0.2973	0.349 6	0.3843	0.4791
<b>43</b>	0.248 3	0.2940	0.345 7	0.3801	0.4742
<b>44</b>	0.245 5	0.2907	0.342 0	0.3761	0.4694
<b>45</b>	0.242 9	0.2876	0.338 4	0.3721	0.4647
<b>46</b>	0.240 3	0.2845	0.334 8	0.3683	0.4601
<b>47</b>	0.237 7	0.2816	0.331 4	0.3646	0.4557
<b>48</b>	0.235 3	0.2787	0.328 1	0.3610	0.4514
<b>49</b>	0.232 9	0.2759	0.324 9	0.3575	0.4473
<b>50</b>	0.230 6	0.2732	0.321 8	0.3542	0.4432

Tabel r untuk df = 51 -

df = (N-2)	Tingkat signifikansi untuk uji satu arah				
	0.05	0.025	0.01	0.005	0.0005
	Tingkat signifikansi untuk uji dua arah				
	0.1	0.05	0.02	0.01	0.001
51	0.2284	0.2706	0.3188	0.3509	0.4393
52	0.2262	0.2681	0.3158	0.3477	0.4354
53	0.2241	0.2656	0.3129	0.3445	0.4317
54	0.2221	0.2632	0.3102	0.3415	0.4280
55	0.2201	0.2609	0.3074	0.3385	0.4244
56	0.2181	0.2586	0.3048	0.3357	0.4210
57	0.2162	0.2564	0.3022	0.3328	0.4176
58	0.2144	0.2542	0.2997	0.3301	0.4143
59	0.2126	0.2521	0.2972	0.3274	0.4110
60	0.2108	0.2500	0.2948	0.3248	0.4079
61	0.2091	0.2480	0.2925	0.3223	0.4048
62	0.2075	0.2461	0.2902	0.3198	0.4018
63	0.2058	0.2441	0.2880	0.3173	0.3988
64	0.2042	0.2423	0.2858	0.3150	0.3959
65	0.2027	0.2404	0.2837	0.3126	0.3931
66	0.2012	0.2387	0.2816	0.3104	0.3903
67	0.1997	0.2369	0.2796	0.3081	0.3876
68	0.1982	0.2352	0.2776	0.3060	0.3850
69	0.1968	0.2335	0.2756	0.3038	0.3823
70	0.1954	0.2319	0.2737	0.3017	0.3798
71	0.1940	0.2303	0.2718	0.2997	0.3773
72	0.1927	0.2287	0.2700	0.2977	0.3748
73	0.1914	0.2272	0.2682	0.2957	0.3724
74	0.1901	0.2257	0.2664	0.2938	0.3701
75	0.1888	0.2242	0.2647	0.2919	0.3678
76	0.1876	0.2227	0.2630	0.2900	0.3655
77	0.1864	0.2213	0.2613	0.2882	0.3633
78	0.1852	0.2199	0.2597	0.2864	0.3611
79	0.1841	0.2185	0.2581	0.2847	0.3589
80	0.182	0.2172	0.256	0.2830	0.3568



**Tabel r untuk df = 51 -**

	9		5		
<b>81</b>	0.181 8	0.2159	0.255 0	0.2813	0.3547
<b>82</b>	0.180 7	0.2146	0.253 5	0.2796	0.3527
<b>83</b>	0.179 6	0.2133	0.252 0	0.278 0	0.3507
<b>84</b>	0.178 6	0.2120	0.250 5	0.2764	0.3487
<b>85</b>	0.177 5	0.2108	0.249 1	0.2748	0.3468
<b>86</b>	0.176 5	0.2096	0.247 7	0.2732	0.3449
<b>87</b>	0.175 5	0.2084	0.246 3	0.2717	0.3430
<b>88</b>	0.174 5	0.2072	0.244 9	0.2702	0.3412
<b>89</b>	0.173 5	0.2061	0.243 5	0.2687	0.3393
<b>90</b>	0.172 6	0.205 0	0.242 2	0.2673	0.3375
<b>91</b>	0.171 6	0.2039	0.240 9	0.2659	0.3358
<b>92</b>	0.170 7	0.2028	0.239 6	0.2645	0.3341
<b>93</b>	0.169 8	0.2017	0.238 4	0.2631	0.3323
<b>94</b>	0.168 9	0.2006	0.237 1	0.2617	0.3307
<b>95</b>	0.168 0	0.1996	0.235 9	0.2604	0.3290
<b>96</b>	0.167 1	0.1986	0.234 7	0.2591	0.3274
<b>97</b>	0.166 3	0.1975	0.233 5	0.2578	0.3258
<b>98</b>	0.165 4	0.1966	0.232 4	0.2565	0.3242
<b>99</b>	0.164 6	0.1956	0.231 2	0.2552	0.3226
<b>100</b>	0.163 8	0.1946	0.230 1	0.2540	0.3211

df = (N-2)	Tingkat signifikansi untuk uji satu arah				
	0.05	0.025	0.01	0.005	0.0005
	Tingkat signifikansi untuk uji dua arah				
	0.1	0.05	0.02	0.01	0.001
101	0.1630	0.1937	0.2290	0.2528	0.3196
102	0.1622	0.1927	0.2279	0.2515	0.3181
103	0.1614	0.1918	0.2268	0.2504	0.3166
104	0.1606	0.1909	0.2257	0.2492	0.3152
105	0.1599	0.1900	0.2247	0.2480	0.3137
106	0.1591	0.1891	0.2236	0.2469	0.3123
107	0.1584	0.1882	0.2226	0.2458	0.3109
108	0.1576	0.1874	0.2216	0.2446	0.3095
109	0.1569	0.1865	0.2206	0.2436	0.3082
110	0.1562	0.1857	0.2196	0.2425	0.3068
111	0.1555	0.1848	0.2186	0.2414	0.3055
112	0.1548	0.1840	0.2177	0.2403	0.3042
113	0.1541	0.1832	0.2167	0.2393	0.3029
114	0.1535	0.1824	0.2158	0.2383	0.3016
115	0.1528	0.1816	0.2149	0.2373	0.3004
116	0.1522	0.1809	0.2139	0.2363	0.2991
117	0.1515	0.1801	0.2131	0.2353	0.2979
118	0.1509	0.1793	0.2122	0.2343	0.2967
119	0.1502	0.1786	0.2113	0.2333	0.2955
120	0.1496	0.1779	0.2104	0.2324	0.2943
121	0.1490	0.1771	0.2096	0.2315	0.2931
122	0.1484	0.1764	0.2087	0.2305	0.2920
123	0.1478	0.1757	0.2079	0.2296	0.2908
124	0.1472	0.1750	0.2071	0.2287	0.2897
125	0.1466	0.1743	0.2062	0.2278	0.2886
126	0.1460	0.1736	0.2054	0.2269	0.2875
127	0.1455	0.1729	0.2046	0.2260	0.2864
128	0.1449	0.1723	0.2039	0.2252	0.2853
129	0.1443	0.1716	0.2031	0.2243	0.2843
130	0.143	0.1710	0.202	0.2235	0.2832

	8		3		
<b>131</b>	0.143 2	0.1703	0.201 5	0.2226	0.2822
<b>132</b>	0.142 7	0.1697	0.200 8	0.2218	0.2811
<b>133</b>	0.142 2	0.1690	0.200 1	0.2210	0.2801
<b>134</b>	0.141 6	0.1684	0.199 3	0.2202	0.2791
<b>135</b>	0.141 1	0.1678	0.198 6	0.2194	0.2781
<b>136</b>	0.140 6	0.1672	0.197 9	0.2186	0.2771
<b>137</b>	0.140 1	0.1666	0.197 2	0.2178	0.2761
<b>138</b>	0.139 6	0.1660	0.196 5	0.2170	0.2752
<b>139</b>	0.139 1	0.1654	0.195 8	0.2163	0.2742
<b>140</b>	0.138 6	0.1648	0.195 1	0.2155	0.2733
<b>141</b>	0.138 1	0.1642	0.194 4	0.2148	0.2723
<b>142</b>	0.137 6	0.1637	0.193 7	0.2140	0.2714
<b>143</b>	0.137 1	0.1631	0.193 0	0.2133	0.2705
<b>144</b>	0.136 7	0.1625	0.192 4	0.2126	0.2696
<b>145</b>	0.136 2	0.1620	0.191 7	0.2118	0.2687
<b>146</b>	0.135 7	0.1614	0.191 1	0.2111	0.2678
<b>147</b>	0.135 3	0.1609	0.190 4	0.2104	0.2669
<b>148</b>	0.134 8	0.1603	0.189 8	0.2097	0.2660
<b>149</b>	0.134 4	0.1598	0.189 2	0.2090	0.2652
<b>150</b>	0.133 9	0.1593	0.188 6	0.208 3	0.2643

df = (N-2)	Tingkat signifikansi untuk uji satu arah				
	0.05	0.025	0.01	0.005	0.0005
	Tingkat signifikansi untuk uji dua arah				
	0.1	0.05	0.02	0.01	0.001
151	0.1335	0.1587	0.1879	0.2077	0.2635
152	0.1330	0.1582	0.1873	0.2070	0.2626
153	0.1326	0.1577	0.1867	0.2063	0.2618
154	0.1322	0.1572	0.1861	0.2057	0.2610
155	0.1318	0.1567	0.1855	0.2050	0.2602
156	0.1313	0.1562	0.1849	0.2044	0.2593
157	0.1309	0.1557	0.1844	0.2037	0.2585
158	0.1305	0.1552	0.1838	0.2031	0.2578
159	0.1301	0.1547	0.1832	0.2025	0.2570
160	0.1297	0.1543	0.1826	0.2019	0.2562
161	0.1293	0.1538	0.1821	0.2012	0.2554
162	0.1289	0.1533	0.1815	0.2006	0.2546
163	0.1285	0.1528	0.1810	0.2000	0.2539
164	0.1281	0.1524	0.1804	0.1994	0.2531
165	0.1277	0.1519	0.1799	0.1988	0.2524
166	0.1273	0.1515	0.1794	0.1982	0.2517
167	0.1270	0.1510	0.1788	0.1976	0.2509
168	0.1266	0.1506	0.1783	0.1971	0.2502
169	0.1262	0.1501	0.1778	0.1965	0.2495
170	0.1258	0.1497	0.1773	0.1959	0.2488

<b>171</b>	0.125 5	0.1493	0.176 8	0.1954	0.2481
<b>172</b>	0.125 1	0.1488	0.176 2	0.1948	0.2473
<b>173</b>	0.124 7	0.1484	0.175 7	0.1942	0.2467
<b>174</b>	0.124 4	0.1480	0.175 2	0.1937	0.2460
<b>175</b>	0.124 0	0.1476	0.174 7	0.1932	0.2453
<b>176</b>	0.123 7	0.1471	0.174 3	0.1926	0.2446
<b>177</b>	0.123 3	0.1467	0.173 8	0.1921	0.2439
<b>178</b>	0.123 0	0.1463	0.173 3	0.1915	0.2433
<b>179</b>	0.122 6	0.1459	0.172 8	0.1910	0.2426
<b>180</b>	0.122 3	0.1455	0.172 3	0.1905	0.2419
<b>181</b>	0.122 0	0.1451	0.171 9	0.1900	0.2413
<b>182</b>	0.121 6	0.1447	0.171 4	0.1895	0.2406
<b>183</b>	0.121 3	0.1443	0.170 9	0.1890	0.2400
<b>184</b>	0.121 0	0.1439	0.170 5	0.1884	0.2394
<b>185</b>	0.120 7	0.1435	0.170 0	0.1879	0.2387
<b>186</b>	0.120 3	0.1432	0.169 6	0.1874	0.2381
<b>187</b>	0.120 0	0.1428	0.169 1	0.1869	0.2375
<b>188</b>	0.119 7	0.1424	0.168 7	0.1865	0.2369
<b>189</b>	0.119 4	0.1420	0.168 2	0.1860	0.2363
<b>190</b>	0.119 1	0.1417	0.167 8	0.1855	0.2357
<b>191</b>	0.118 8	0.1413	0.167 4	0.1850	0.2351
<b>192</b>	0.118 4	0.1409	0.166 9	0.1845	0.2345
<b>193</b>	0.118 1	0.1406	0.166 5	0.1841	0.2339

<b>194</b>	0.117 8	0.1402	0.166 1	0.1836	0.2333
<b>195</b>	0.117 5	0.1398	0.165 7	0.1831	0.2327
<b>196</b>	0.117 2	0.1395	0.165 2	0.1827	0.2321
<b>197</b>	0.116 9	0.1391	0.164 8	0.1822	0.2315
<b>198</b>	0.116 6	0.1388	0.164 4	0.1818	0.2310
<b>199</b>	0.116 4	0.1384	0.164 0	0.1813	0.2304
<b>200</b>	0.116 1	0.1381	0.163 6	0.1809	0.2298



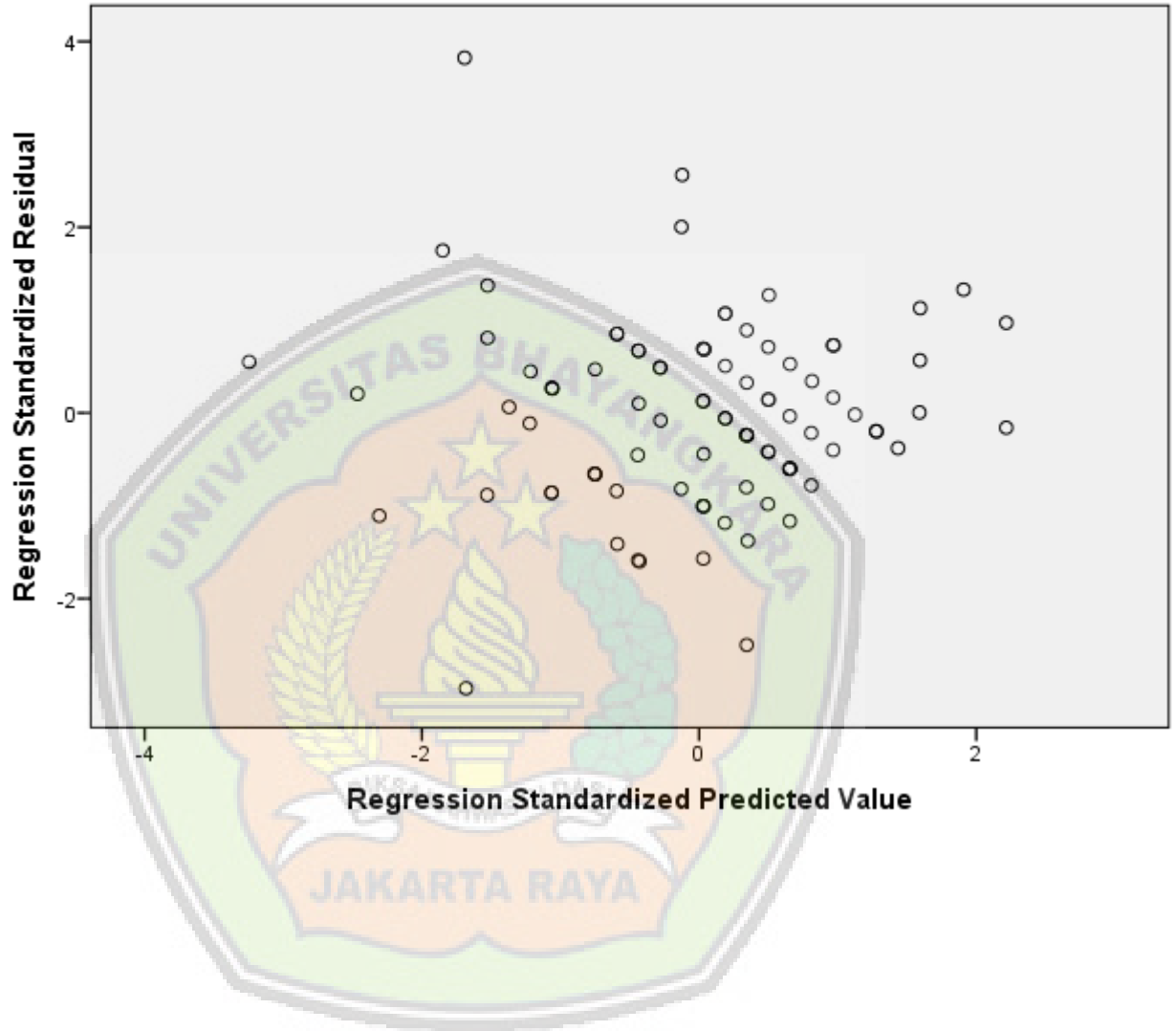
No	Saluran Distribusi						Total	Promosi						Total	Volume Penjualan						Total
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2	3	3	3	4	4	4	21	3	4	4	3	3	5	22	4	4	3	3	4	4	22
3	3	3	3	4	4	3	20	4	3	3	4	4	4	22	3	3	4	4	4	4	22
4	5	4	5	4	5	4	27	4	3	4	5	3	5	24	3	4	5	3	4	5	24
5	5	4	4	4	4	5	26	4	5	4	5	4	4	26	5	4	5	4	5	4	27
6	3	3	3	3	3	3	18	4	3	4	3	4	4	22	3	4	3	4	4	4	22
7	4	4	5	4	3	3	23	4	4	4	4	4	5	25	4	4	4	4	5	5	26
8	4	4	5	4	5	4	26	5	5	4	4	4	5	27	5	4	4	4	4	5	26
9	3	3	3	4	5	4	22	4	3	3	4	4	5	23	3	3	4	4	5	5	24
10	3	3	3	2	3	3	17	3	2	3	3	2	4	17	2	3	3	2	4	4	18
11	4	4	4	4	4	4	24	4	3	4	3	4	4	22	3	4	3	4	4	3	21
12	3	2	1	4	4	4	18	4	3	3	3	5	4	22	3	3	3	5	4	5	23
13	3	4	2	4	3	3	19	4	3	4	4	4	4	23	3	4	4	4	3	4	22
14	3	2	2	4	3	3	17	4	2	3	4	3	4	20	2	3	4	3	2	3	17
15	3	3	2	4	4	4	20	4	2	4	4	3	4	21	2	4	4	3	2	4	19
16	4	4	5	5	3	2	23	5	4	4	5	5	4	27	4	4	5	5	4	4	26
17	4	3	4	4	3	4	22	4	4	4	4	4	4	24	4	4	4	4	4	4	24
18	4	3	4	5	3	2	21	4	4	5	5	4	5	27	4	5	5	4	4	5	27
19	4	4	4	5	3	3	23	4	4	4	4	4	5	25	4	4	4	4	4	4	24
20	5	5	5	5	4	4	28	4	5	4	5	4	5	27	5	4	5	4	5	4	27
21	3	4	4	5	4	3	23	3	3	3	4	4	4	21	3	3	4	4	3	3	20
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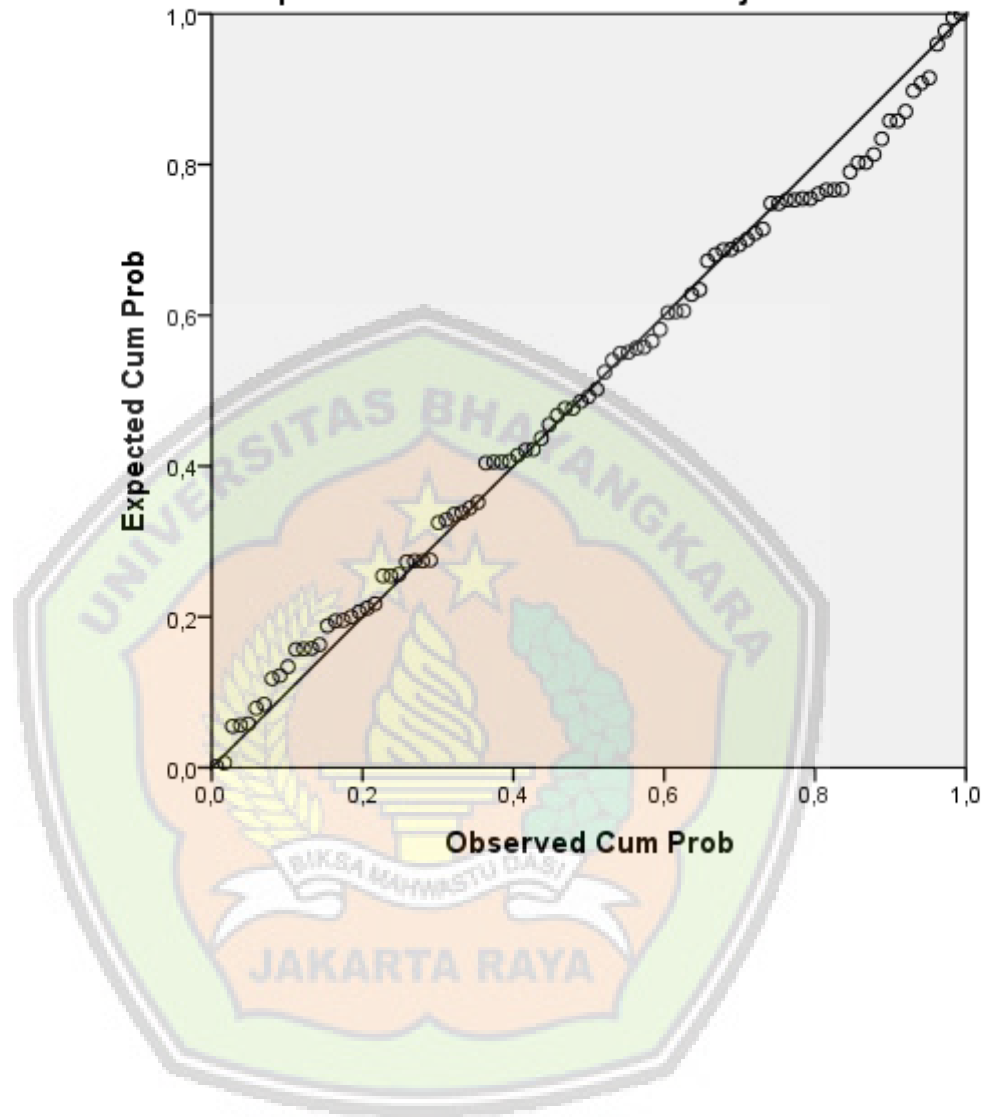
### Scatterplot

Dependent Variable: Volume Penjualan



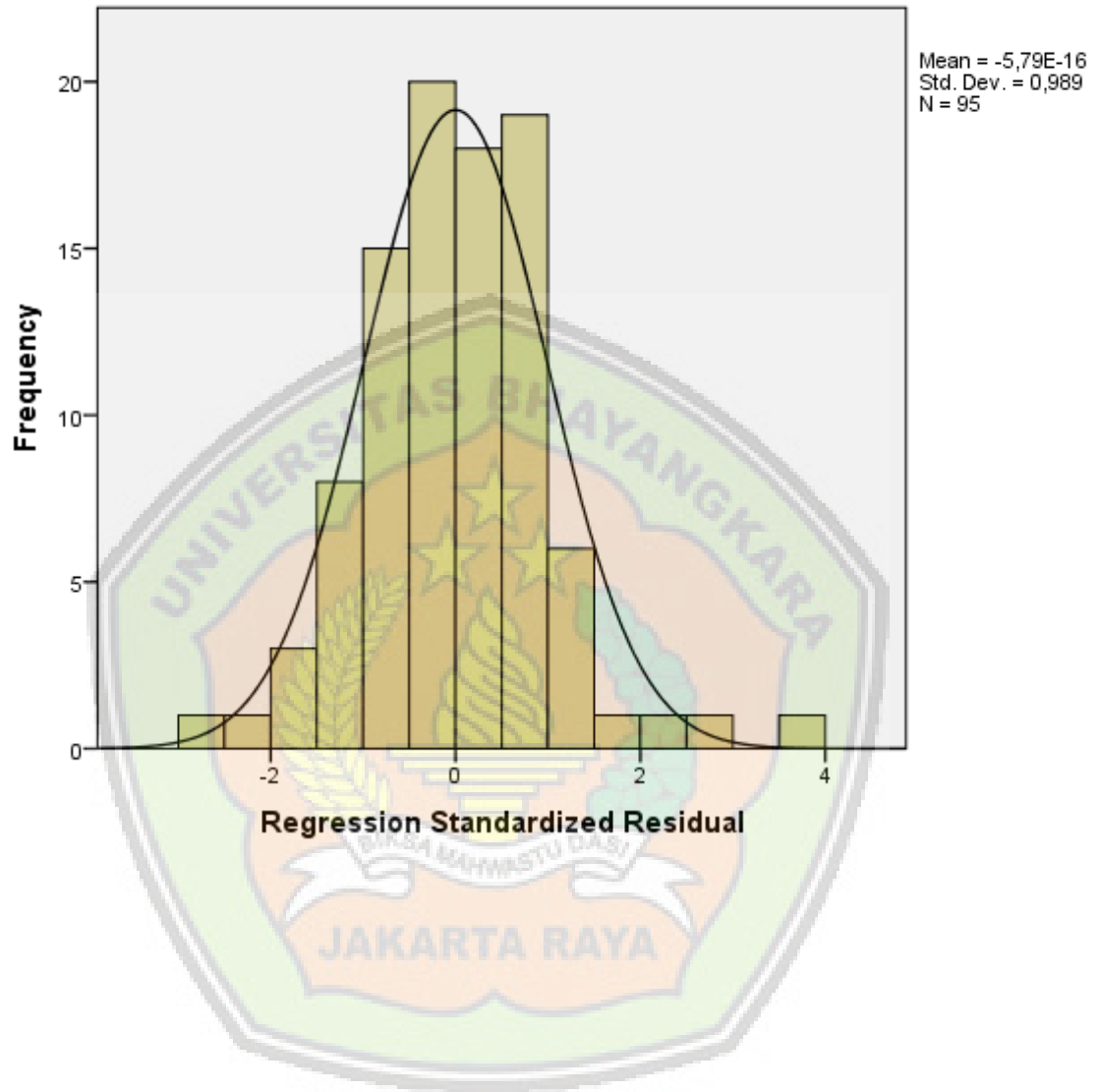
### Normal P-P Plot of Regression Standardized Residual

Dependent Variable: Volume Penjualan



### Histogram

Dependent Variable: Volume Penjualan



**Correlations**

		Indikator Volume Penjualan	Indikator Volume Penjualan	Indikator Volume Penjualan	Indikator Volume Penjualan	Indikator Volume Penjualan	Indikator Volume Penjualan	Volume Penjualan
Indikator Volume Penjualan	Pearson Correlation	1	,266**	,395**	,356**	,536**	,189	,753**
	Sig. (2-tailed)		,009	,000	,000	,000	,067	,000
	N	95	95	95	95	95	95	95
Indikator Volume Penjualan	Pearson Correlation	,266**	1	,434**	,398**	,026	,387**	,606**
	Sig. (2-tailed)	,009		,000	,000	,801	,000	,000
	N	95	95	95	95	95	95	95
Indikator Volume Penjualan	Pearson Correlation	,395**	,434**	1	,254*	,216*	,314**	,662**
	Sig. (2-tailed)	,000	,000		,013	,036	,002	,000
	N	95	95	95	95	95	95	95
Indikator Volume Penjualan	Pearson Correlation	,356**	,398**	,254*	1	,141	,247*	,586**
	Sig. (2-tailed)	,000	,000	,013		,174	,016	,000
	N	95	95	95	95	95	95	95
Indikator Volume Penjualan	Pearson Correlation	,536**	,026	,216*	,141	1	,381**	,628**
	Sig. (2-tailed)	,000	,801	,036	,174		,000	,000
	N	95	95	95	95	95	95	95
Indikator Volume Penjualan	Pearson Correlation	,189	,387**	,314**	,247*	,381**	1	,636**
	Sig. (2-tailed)	,067	,000	,002	,016	,000		,000
	N	95	95	95	95	95	95	95
Volume Penjualan	Pearson Correlation	,753**	,606**	,662**	,586**	,628**	,636**	1
	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000	
	N	95	95	95	95	95	95	95

\*\* . Correlation is significant at the 0.01 level (2-tailed).

\* . Correlation is significant at the 0.05 level (2-tailed).

**Correlations**

		Indikator Promosi	Indikator Promosi	Indikator Promosi	Indikator Promosi	Indikator Promosi	Indikator Promosi	Promosi
Indikator Promosi	Pearson Correlation	1	,360**	,332**	,390**	,141	,030	,658**
	Sig. (2-tailed)		,000	,001	,000	,172	,770	,000
	N	95	95	95	95	95	95	95
Indikator Promosi	Pearson Correlation	,360**	1	,302**	,338**	,230*	,199	,707**
	Sig. (2-tailed)	,000		,003	,001	,025	,053	,000
	N	95	95	95	95	95	95	95
Indikator Promosi	Pearson Correlation	,332**	,302**	1	,400**	,431**	,048	,680**
	Sig. (2-tailed)	,001	,003		,000	,000	,643	,000
	N	95	95	95	95	95	95	95
Indikator Promosi	Pearson Correlation	,390**	,338**	,400**	1	,318**	,070	,679**
	Sig. (2-tailed)	,000	,001	,000		,002	,498	,000
	N	95	95	95	95	95	95	95
Indikator Promosi	Pearson Correlation	,141	,230*	,431**	,318**	1	-,010	,564**
	Sig. (2-tailed)	,172	,025	,000	,002		,924	,000
	N	95	95	95	95	95	95	95
Indikator Promosi	Pearson Correlation	,030	,199	,048	,070	-,010	1	,329**
	Sig. (2-tailed)	,770	,053	,643	,498	,924		,001
	N	95	95	95	95	95	95	95
Promosi	Pearson Correlation	,658**	,707**	,680**	,679**	,564**	,329**	1
	Sig. (2-tailed)	,000	,000	,000	,000	,000	,001	
	N	95	95	95	95	95	95	95

\*\* . Correlation is significant at the 0.01 level (2-tailed).

\* . Correlation is significant at the 0.05 level (2-tailed).

**Correlations**

		Indikator Saluran Distribusi	Indikator Saluran Distribusi	Indikator Saluran Distribusi	Indikator Saluran Distribusi	Indikator Saluran Distribusi	Indikator Saluran Distribusi	Saluran Disribusi
Indikator Saluran Distribusi	Pearson Correlation	1	,485**	,623**	,384**	,236*	,300**	,788**
	Sig. (2-tailed)		,000	,000	,000	,021	,003	,000
	N	95	95	95	95	95	95	95
Indikator Saluran Distribusi	Pearson Correlation	,485**	1	,662**	,129	,217*	,128	,715**
	Sig. (2-tailed)	,000		,000	,214	,035	,216	,000
	N	95	95	95	95	95	95	95
Indikator Saluran Distribusi	Pearson Correlation	,623**	,662**	1	,300**	,197	,158	,818**
	Sig. (2-tailed)	,000	,000		,003	,056	,125	,000
	N	95	95	95	95	95	95	95
Indikator Saluran Distribusi	Pearson Correlation	,384**	,129	,300**	1	-,020	-,066	,430**
	Sig. (2-tailed)	,000	,214	,003		,844	,524	,000
	N	95	95	95	95	95	95	95
Indikator Saluran Distribusi	Pearson Correlation	,236*	,217*	,197	-,020	1	,459**	,522**
	Sig. (2-tailed)	,021	,035	,056	,844		,000	,000
	N	95	95	95	95	95	95	95
Indikator Saluran Distribusi	Pearson Correlation	,300**	,128	,158	-,066	,459**	1	,508**
	Sig. (2-tailed)	,003	,216	,125	,524	,000		,000
	N	95	95	95	95	95	95	95
Saluran Disribusi	Pearson Correlation	,788**	,715**	,818**	,430**	,522**	,508**	1
	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000	
	N	95	95	95	95	95	95	95

\*\* . Correlation is significant at the 0.01 level (2-tailed).

\* . Correlation is significant at the 0.05 level (2-tailed).

Relibilitas saluran distribusi

**Reliability Statistics**

Cronbach's Alpha	N of Items
,703	6

Reabilitas promosi

**Reliability Statistics**

Cronbach's Alpha	N of Items
,659	6

Reabilitas volume penjualan

**Reliability Statistics**

Cronbach's Alpha	N of Items
,720	6

**One-Sample Kolmogorov-Smirnov Test**

		Unstandardized Residual
N		95
Normal Parameters <sup>a,b</sup>	Mean	,0000000
	Std. Deviation	1,75131031
	Most Extreme Absolute Differences	,072
	Positive	,072
	Negative	-,049
Test Statistic		,072
Asymp. Sig. (2-tailed)		,200 <sup>c,d</sup>

**Coefficients<sup>a</sup>**

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
1 (Constant)	,630	2,069		,305	,761		
Saluran Distribusi	,320	,067	,335	4,792	,000	,931	1,074
Promosi	,645	,075	,602	8,605	,000	,931	1,074

a. Dependent Variable: Volume Penjualan

**Coefficients<sup>a</sup>**

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
1 (Constant)	,630	2,069		,305	,761		
Saluran Distribusi	,320	,067	,335	4,792	,000	,931	1,074
Promosi	,645	,075	,602	8,605	,000	,931	1,074

a. Dependent Variable: Volume Penjualan

**Coefficients<sup>a</sup>**

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
1 (Constant)	,630	2,069		,305	,761		
Saluran Distribusi	,320	,067	,335	4,792	,000	,931	1,074
Promosi	,645	,075	,602	8,605	,000	,931	1,074

a. Dependent Variable: Volume Penjualan



### ANOVA<sup>a</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	399,020	2	199,510	63,665	,000 <sup>b</sup>
	Residual	288,306	92	3,134		
	Total	687,326	94			

a. Dependent Variable: Volume Penjualan

b. Predictors: (Constant), Promosi, Saluran Distribusi

### Model Summary<sup>b</sup>

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,762 <sup>a</sup>	,581	,571	1,770	1,913

a. Predictors: (Constant), Promosi, Saluran Distribusi

b. Dependent Variable: Volume Penjualan

### Statistics

		Saluran Distribusi	Promosi	Volume Penjualan
N	Valid	95	95	95
	Missing	0	0	0
Mean		23,53	24,14	23,72
Std. Error of Mean		,291	,259	,277
Median		24,00	25,00	24,00
Mode		24	25	24
Std. Deviation		2,835	2,525	2,704
Variance		8,039	6,375	7,312
Kurtosis		-,171	,565	,623
Std. Error of Kurtosis		,490	,490	,490
Minimum		17	17	15
Maximum		28	30	30
Sum		2235	2293	2253

### Descriptive Statistics

	N	Range	Minimum	Maximum	Sum	Mean		Std. Deviation	Variance	Kurtosis	
	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Std.	Statistic	Statistic	Statistic	Std.
							Error				Error
Saluran Distribusi	95	11	17	28	2235	23,53	,291	2,835	8,039	-,171	,490
Promosi	95	13	17	30	2293	24,14	,259	2,525	6,375	,565	,490
Volume Penjualan	95	15	15	30	2253	23,72	,277	2,704	7,312	,623	,490
Valid N (listwise)	95										



## DAFTAR RIWAYAT HIDUP



Nama saya Hafid Abdul Aziz anak pertama dari empat bersaudara saya memulai pendidikan formal di tahun 2002 masuk SDN Sukahurip 04 lulus di tahun 2008, melanjutkan pendidikan ke SMPN 1 Cikarang Utara lulus di Tahun 2011, melanjutkan pendidikan di SMKN 1 Tambelang dengan jurusan Teknik elektronika dan

lulus di tahun 2014 lanjutakan Bekerja di PT. Yamaha Motor Part Mfg Indonesia di Tahun ke Dua saya bekerja pada tahun 2016 saya memilih melanjutkan pendidikan di perguruan Tinggi Universitas Bhayangkara Jakarta Raya Bekasi dengan Jurusan Ekonomi Manajemen kelas karyawan. Selain saya menjadi mahasiswa saya juga bekerja, pengalaman kerja saya yang pertama di PT Yamaha Motor Mfg selama 2 tahun, di PT Asno Horie Indonesia selama 1 Tahun dan yang terakhir di PT Fajar Surya Wisesa sampai dengan sekarang. Hobi saya yaitu traveling dengan menggunakan sepeda motor.