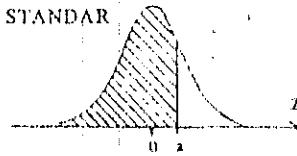


## LAMPIRAN 5 : FUNGSI DISTRIBUSI NORMAL STANDAR

Disajikan:  $F(z) = P(Z \leq z)$ ,  $\mu = 0$   
 $Z$  berdistribusi  $N(0, 1)$

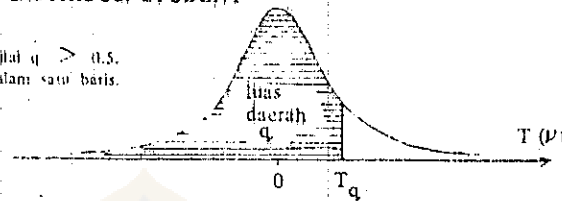


$z$	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	$F$
0.0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359	0.0
0.1	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753	0.1
0.2	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6064	.6103	.6141	0.2
0.3	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517	0.3
0.4	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879	0.4
0.5	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224	0.5
0.6	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549	0.6
0.7	.7580	.7611	.7642	.7673	.7704	.7734	.7764	.7794	.7823	.7852	0.7
0.8	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8078	.8106	.8133	0.8
0.9	.8159	.8186	.8212	.8238	.8264	.8289	.8315	.8340	.8365	.8389	0.9
1.0	.8413	.8438	.8461	.8485	.8508	.8531	.8554	.8577	.8599	.8621	1.0
1.1	.8643	.8665	.8686	.8708	.8729	.8749	.8770	.8790	.8810	.8830	1.1
1.2	.8849	.8869	.8888	.8907	.8925	.8944	.8962	.8980	.8997	.9015	1.2
1.3	.9032	.9049	.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177	1.3
1.4	.9192	.9207	.9222	.9236	.9251	.9265	.9279	.9292	.9306	.9319	1.4
1.5	.9332	.9345	.9357	.9370	.9382	.9394	.9406	.9418	.9429	.9441	1.5
1.6	.9452	.9463	.9474	.9484	.9495	.9505	.9515	.9525	.9535	.9545	1.6
1.7	.9554	.9564	.9573	.9582	.9591	.9599	.9608	.9616	.9625	.9633	1.7
1.8	.9641	.9649	.9656	.9664	.9671	.9678	.9686	.9693	.9699	.9706	1.8
1.9	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767	1.9
2.0	.9772	.9778	.9783	.9788	.9793	.9798	.9803	.9808	.9812	.9817	2.0
2.1	.9821	.9826	.9830	.9834	.9838	.9842	.9846	.9850	.9854	.9857	2.1
2.2	.9861	.9864	.9868	.9871	.9875	.9878	.9881	.9884	.9887	.9890	2.2
2.3	.9893	.9896	.9898	.9901	.9904	.9906	.9909	.9911	.9913	.9916	2.3
2.4	.9918	.9920	.9922	.9925	.9927	.9929	.9931	.9932	.9934	.9936	2.4
2.5	.9938	.9940	.9941	.9943	.9945	.9946	.9948	.9949	.9951	.9952	2.5
2.6	.9953										2.6
2.7	.9965										2.7
2.8	.9974										2.8
2.9	.9981										2.9
3.0	.9987										3.0
3.2	.9993										3.2
3.4	.9997										3.4
3.6	.9998										3.6
3.8	.9999										3.8
4.0	1.0000										4.0

Menurut Pearson dan Hartley,  
 dalam Hays (1973, 878 - 879)

## LAMPIRAN 6 : DISTRIBUSI STUDENT

Fraktal  $T_q$  disajikan untuk beberapa nilai  $q > 0.5$ .  
Banyaknya derajat bebas  $\nu$  tertera dalam satu baris.

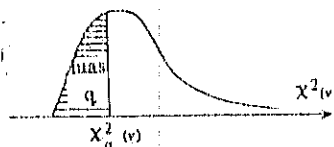


$\nu$	$T_{0.60}$	$T_{0.75}$	$T_{0.90}$	$T_{0.95}$	$T_{0.975}$	$T_{0.99}$	$T_{0.995}$	$T_{0.999}$
1	0.325	1.000	3.078	6.314	12.706	31.821	63.657	318.31
2	0.289	0.816	1.886	2.920	4.303	6.965	9.925	22.326
3	0.277	0.765	1.638	2.353	3.182	4.541	5.841	10.213
4	0.271	0.741	1.533	2.132	2.776	3.747	4.604	7.173
5	0.267	0.727	1.476	2.015	2.571	3.365	4.032	5.893
6	0.265	0.718	1.440	1.943	2.447	3.143	3.707	5.208
7	0.263	0.711	1.415	1.895	2.365	2.998	3.499	4.785
8	0.262	0.706	1.397	1.860	2.306	2.896	3.355	4.501
9	0.261	0.703	1.383	1.843	2.262	2.821	3.250	4.297
10	0.260	0.700	1.372	1.812	2.228	2.764	3.169	4.144
11	0.260	0.697	1.363	1.796	2.201	2.718	3.106	4.025
12	0.259	0.695	1.356	1.782	2.179	2.681	3.055	3.930
13	0.259	0.694	1.350	1.771	2.160	2.650	3.012	3.852
14	0.258	0.692	1.345	1.761	2.145	2.624	2.977	3.787
15	0.258	0.691	1.341	1.753	2.131	2.602	2.947	3.733
16	0.258	0.690	1.337	1.746	2.120	2.583	2.921	3.686
17	0.257	0.689	1.333	1.740	2.110	2.567	2.898	3.646
18	0.257	0.688	1.330	1.734	2.101	2.552	2.878	3.610
19	0.257	0.688	1.328	1.729	2.093	2.539	2.861	3.579
20	0.257	0.687	1.325	1.725	2.086	2.528	2.845	3.552
21	0.257	0.686	1.323	1.721	2.080	2.518	2.831	3.527
22	0.256	0.686	1.321	1.717	2.074	2.508	2.819	3.505
23	0.256	0.685	1.319	1.714	2.069	2.500	2.807	3.485
24	0.256	0.685	1.318	1.711	2.064	2.492	2.797	3.467
25	0.256	0.684	1.316	1.708	2.060	2.485	2.787	3.450
26	0.256	0.684	1.315	1.706	2.056	2.479	2.779	3.435
27	0.256	0.684	1.314	1.703	2.052	2.473	2.771	3.421
28	0.256	0.683	1.313	1.701	2.048	2.467	2.763	3.408
29	0.256	0.683	1.311	1.699	2.045	2.462	2.756	3.396
30	0.256	0.683	1.310	1.697	2.042	2.457	2.750	3.385
31	0.255	0.681	1.303	1.684	2.021	2.423	2.704	3.307
60	0.254	0.679	1.296	1.671	2.000	2.390	2.660	3.232
120	0.254	0.677	1.289	1.658	1.980	2.358	2.617	3.160
∞	0.253	0.674	1.282	1.645	1.960	2.326	2.576	3.090

Menurut Pearson dan Hartley,  
dalam Hays (1973, 885).

## LAMPIRAN 7 : DISTRIBUSI KHI -- KUADRAT

Fraktuil  $X^2_q(\nu)$  dirajikan untuk beberapa nilai  $q$ .  
 Kalau  $\nu > 100$  distribusi  $X^2(\nu)$  dapat didekati  
 dengan distribusi  $N(\nu, \sqrt{2\nu})$ .



$\nu$	$X^2_{0.005}$	$X^2_{0.01}$	$X^2_{0.025}$	$X^2_{0.05}$	$X^2_{0.10}$	$X^2_{0.25}$	$X^2_{0.50}$
1	0.00004	0.00016	0.0010	0.004	0.016	0.101	0.45
2	0.010	0.020	0.051	0.103	0.211	0.575	1.39
3	0.072	0.115	0.216	0.352	0.584	1.213	2.37
4	0.207	0.297	0.484	0.711	1.064	1.923	3.36
5	0.41	0.55	0.83	1.15	1.61	2.67	4.35
6	0.68	0.87	1.24	1.64	2.20	3.45	5.35
7	0.99	1.24	1.69	2.17	2.83	4.25	6.35
8	1.34	1.65	2.18	2.73	3.49	5.07	7.34
9	1.73	2.09	2.70	3.33	4.17	5.90	8.34
10	2.16	2.56	3.25	3.94	4.87	6.74	9.34
11	2.60	3.05	3.82	4.57	5.58	7.58	10.34
12	3.07	3.57	4.40	5.23	6.30	8.44	11.34
13	3.57	4.11	5.01	5.89	7.04	9.30	12.34
14	4.07	4.66	5.63	6.57	7.79	10.17	13.34
15	4.60	5.23	6.26	7.26	8.55	11.04	14.34
16	5.14	5.81	6.91	7.96	9.31	11.91	15.34
17	5.70	6.41	7.56	8.67	10.09	12.79	16.34
18	6.26	7.01	8.23	9.39	10.86	13.68	17.34
19	6.84	7.63	8.91	10.12	11.65	14.56	18.34
20	7.43	8.26	9.59	10.85	12.44	15.45	19.34
21	8.03	8.90	10.28	11.59	13.24	16.34	20.34
22	8.64	9.54	10.98	12.34	14.04	17.24	21.34
23	9.26	10.20	11.69	13.09	14.85	18.14	22.34
24	9.89	10.86	12.40	13.85	15.66	19.04	23.34
25	10.52	11.52	13.12	14.61	16.47	19.94	24.34
26	11.16	12.20	13.84	15.38	17.29	20.84	25.34
27	11.81	12.88	14.57	16.15	18.11	21.75	26.34
28	12.46	13.56	15.31	16.93	18.94	22.66	27.34
29	13.12	14.26	16.05	17.71	19.77	23.57	28.34
30	13.79	14.95	16.79	18.49	20.60	24.48	29.34
40	20.71	22.16	24.43	26.51	29.05	33.66	39.34
50	27.99	29.71	32.36	34.76	37.69	42.94	49.33
60	35.53	37.48	40.48	43.19	46.46	52.29	59.33
70	43.28	45.44	48.76	51.74	55.33	61.70	69.33
80	51.17	53.54	57.15	60.39	64.28	71.14	79.33
90	59.20	61.75	65.65	69.13	73.29	80.62	89.33
100	67.33	70.06	74.22	77.93	82.36	90.13	99.33
$Z_q$	2.58	2.33	1.96	-1.64	-1.28	-0.67	0.00

$\nu$	$\chi^2_{0.75}$	$\chi^2_{0.90}$	$\chi^2_{0.95}$	$\chi^2_{0.975}$	$\chi^2_{0.99}$	$\chi^2_{0.995}$	$\chi^2_{0.999}$
1	1.32	2.71	3.84	5.02	6.6	7.9	10.8
2	2.77	4.61	5.99	7.38	9.2	10.6	13.8
3	4.11	6.25	7.81	9.35	11.3	12.8	16.3
4	5.39	7.78	9.49	11.14	13.3	14.9	18.5
5	6.63	9.24	11.07	12.83	15.1	16.7	20.5
6	7.84	10.64	12.59	14.45	16.8	18.5	22.5
7	9.04	12.02	14.07	16.01	18.5	20.3	24.3
8	10.22	13.36	15.51	17.53	20.1	22.0	26.1
9	11.39	14.68	16.92	19.02	21.7	23.6	27.9
10	12.55	15.99	18.31	20.48	23.2	25.2	29.6
11	13.70	17.28	19.68	21.92	24.7	26.8	31.3
12	14.85	18.55	21.03	23.34	26.2	28.3	32.0
13	15.98	19.81	22.36	24.74	27.7	29.8	34.5
14	17.12	21.06	23.68	26.12	29.1	31.3	36.1
15	18.25	22.31	25.00	27.49	30.6	32.8	37.7
16	19.37	23.54	26.30	28.85	32.0	34.3	39.3
17	20.49	24.77	27.59	30.19	33.4	35.7	40.8
18	21.60	25.99	28.87	31.53	34.8	37.2	42.3
19	22.72	27.20	30.14	32.85	36.2	38.6	43.8
20	23.83	28.41	31.41	34.17	37.6	40.0	45.3
21	24.93	29.62	32.67	35.48	38.9	41.4	46.8
22	26.04	30.81	33.92	36.78	40.3	42.8	48.3
23	27.14	32.01	35.17	38.08	41.6	44.2	49.7
24	28.24	33.20	36.42	39.36	43.0	45.6	51.2
25	29.34	34.38	37.65	40.65	44.3	46.9	52.6
26	30.43	35.56	38.89	41.92	45.6	48.3	54.1
27	31.53	36.74	40.11	43.19	47.0	49.6	55.5
28	32.62	37.92	41.34	44.46	48.3	51.0	56.9
29	33.71	39.09	42.56	45.72	49.6	52.3	58.3
30	34.80	40.26	43.77	46.98	50.9	53.7	59.7
40	45.62	51.81	55.76	59.34	63.7	66.8	73.4
50	56.33	63.17	67.50	71.42	76.2	79.5	86.7
60	66.98	74.40	79.08	83.30	88.4	92.0	99.6
70	77.58	85.53	90.53	95.02	100.4	104.2	112.3
80	88.13	96.58	101.88	106.63	112.3	116.3	124.8
90	98.65	107.57	113.15	118.14	124.1	128.3	137.2
100	109.14	118.50	124.34	129.56	135.8	140.2	149.4
$Z_q$	+0.67	+1.28	+1.64	+1.96	+2.33	+2.58	+3.09

Menurut Pearson dan Hartley, dalam  
Hays (1973, 886-887)

