LAMPIRAN A

SERTIFIKAT MENCIT

CV. SURABAYA MOUSE SERVICE
WEDORO MASJID NO. 20-E RT. 01 RW.05 WEDORO
KECAMATAN WARU SIDOARJO
TELP. 081938310682 – 03170259110

Yang bertanda tangan di bawah ini:

Nama : M. Syamsul Bahri, S.Kom

Selaku penanggung jawab Pengembangan Hewan Percobaan

Menerangkan bahwa yang digunakan pada penelitian:

Judul	:Pengaruh Penambahan Substituen Kloro pada Senyawa *N*-Benzoil-*N'*-Fenilthiourea terhadap Aktifitas Analgesik pada Mencit
Peneliti	:Meilia Puspita Sari.
Institusi	:Fakultas Farmasi Universitas Katolik Widya Mandala Surabaya
NRP	:2443004117

Merupakan hewan uji dengan spesifikasi:

Mencit galur	: Swiss
Umur	: 2 – 3 bulan
Jenis kelamin	: Jantan
Jumlah	: 95 ekor

Demikian surat keterangan ini dibuat untuk dapat digunakan sebaik-baiknya.

Sidoarjo, 30 Maret 2010

Penanggung Jawab

SMS SURABAYA MOUSE SERVICE

(M. Syamsul Bahri, S.Kom)

LAMPIRAN B

PEMBERIAN DOSIS dan VOLUME PEMBERIAN SENYAWA UJI

Perhitungan dosis dan volume pemberian sediaan uji *N*-fenil-*N'*-benzoilthiourea, *N-(2-klorobenzoil)-N'*-fenilthiourea, *N-(3-klorobenzoil)-N'*-feniltiourea dan *N-(4-klorobenzoil)-N'*-fenilthiourea dihitung dengan rumus:

$$\text{kons. larutan} = \frac{\text{berat badan (gram) x dosis (mg)}}{\text{1000 gram}}$$

1. 1 mg/kgBB

   Untuk mencit 20 g = $\frac{20\ g\ x\ 1\ mg}{1000\ g}$ = 0,02 mg/kgBB

   Konsentrasi larutan = 0,02 mg/0,5 ml = 0,04 mg/ml

2. 2,5 mg/kgBB

   Untuk mencit 20 g = $\frac{20\ g\ x\ 2,5\ mg}{1000\ g}$ = 0,05 mg/kgBB

   Konsentrasi larutan = 0,05 mg/0,5 ml = 0,1 mg/ml

3. 5 mg/kgBB

   Untuk mencit 20 g = $\frac{20\ g\ x\ 5\ mg}{1000\ g}$ = 0,1 mg/kgBB

   Konsentrasi larutan = 0,1 mg/0,5 ml = 0,2 mg/ ml

4. 10 mg/kgBB

   Untuk mencit 20 g = $\frac{20\ g\ x\ 10\ mg}{1000\ g}$ = 0,2 mg/kgBB

   Konsentrasi larutan = 0,2 mg/0,5 ml = 0,4 mg/ml

LAMPIRAN C

PERHITUNGAN Rf PADA UJI KROMATOGRAFI LAPIS TIPIS

Fase gerak I = n-heksana : etil asetat (5:2), fase gerak II = n-heksana : etil asetat : asam asetat (5:1:2) dan fase gerak III = n-heksana : asam asetat (3:1), sedangkan fase diam silika gel 60 F_{254} dan penampak noda lampu ultraviolet dengan panjang gelombang 254 nm.

$$Rf = \frac{\text{Jarak yang ditempuh zat}}{\text{Jarak yang ditempuh pelarut}}$$

Senyawa uji	Fase gerak I	Fase gerak II	Fase gerak III
N-fenil-*N'*-benzoilthiourea	$Rf = \frac{2,15}{3,50} = 0,61$	$Rf = \frac{2,00}{3,50} = 0,57$	$Rf = \frac{1,50}{3,50} = 0,43$
N-(2-kloro benzoil)-N'-fenilthiourea	$Rf = \frac{2,10}{3,50} = 0,60$	$Rf = \frac{2,20}{3,50} = 0,63$	$Rf = \frac{1,70}{3,50} = 0,49$
N-(3-kloro benzoil)-N'-fenilthiourea	$Rf = \frac{2,40}{3,50} = 0,68$	$Rf = \frac{2,00}{3,50} = 0,57$	$Rf = \frac{1,90}{3,50} = 0,50$
N-(4-kloro benzoil)-N'-fenilthiourea	$Rf = \frac{2,05}{3,50} = 0,59$	$Rf = \frac{1,90}{3,50} = 0,54$	$Rf = \frac{1,00}{3,50} = 0,30$

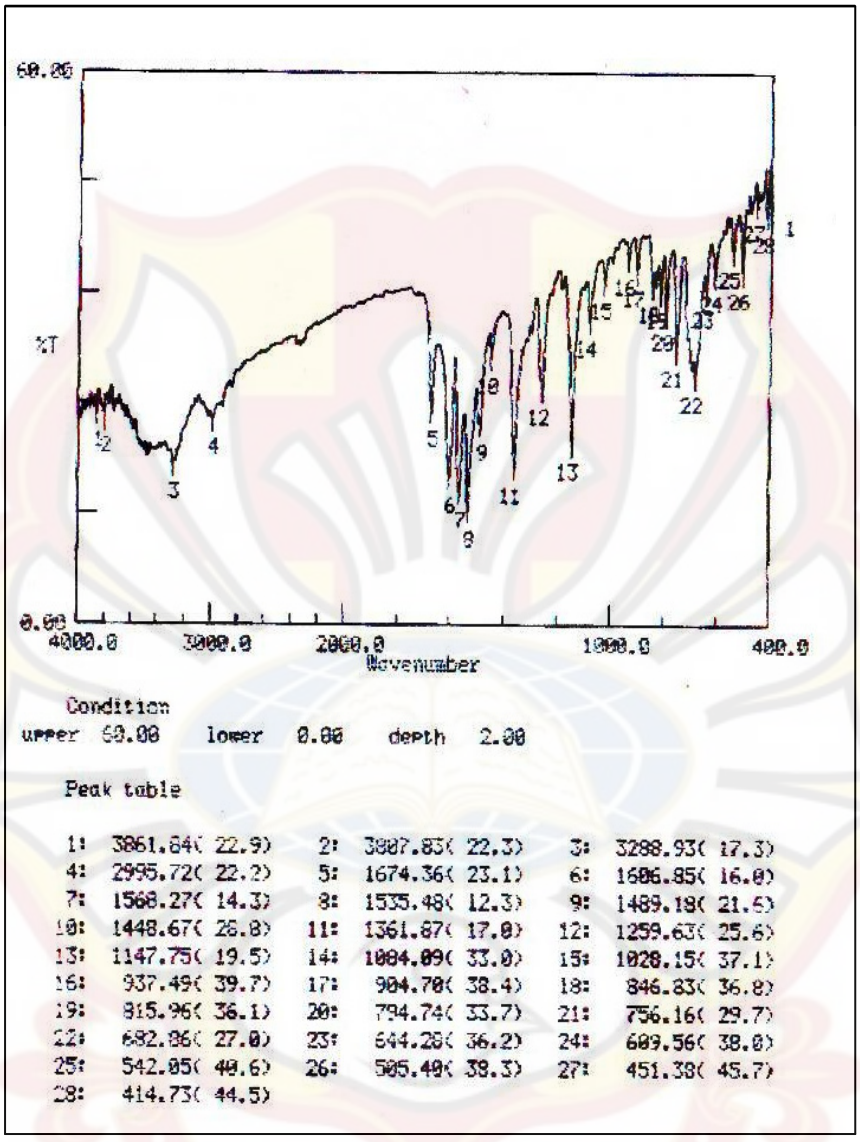
LAMPIRAN D

PERHITUNGAN KONSENTRASI SPEKTRUM ULTRAVIOLET

Nama Senyawa	Perhitungan Konsentrasi
N-fenil-*N'*-benzoilthiourea	Penimbangan zat : Berat botol timbang + zat = 13,5863 g Berat botol timbang kosong = 13,5859 g _ Berat zat = 0,0504 g konsentrasi $= \frac{50{,}4 \text{ mg}}{100{,}0 \text{ ml}} \times 1000 = 504 \text{ ppm}$ Pengenceran $= \frac{\text{di pipet } 1{,}0 \text{ ml}}{\text{ad } 100{,}0 \text{ ml}} \times 504 \text{ ppm} = 5{,}04 \text{ ppm}$
N-(2-kloro benzoil)-*N'*-fenilthiourea	Penimbangan zat : Berat botol timbang + zat = 13,5861 g Berat botol timbang kosong = 13,5859 g _ Berat zat = 0,0502 g konsentrasi $= \frac{50{,}2 \text{ mg}}{100{,}0 \text{ ml}} \times 1000 = 502 \text{ ppm}$ Pengenceran $= \frac{\text{di pipet } 1{,}0 \text{ ml}}{\text{ad } 100{,}0 \text{ ml}} \times 502 \text{ ppm} = 5{,}02 \text{ ppm}$
N-(3-kloro benzoil)-*N'*-fenilthiourea	Penimbangan zat : Berat botol timbang + zat = 13,5864 g Berat botol timbang kosong = 13,5859 g _ Berat zat = 0,0505 g konsentrasi $= \frac{50{,}5 \text{ mg}}{100{,}0 \text{ ml}} \times 1000 = 505 \text{ ppm}$ Pengenceran $= \frac{\text{di pipet } 1{,}0 \text{ ml}}{\text{ad } 100{,}0 \text{ ml}} \times 505 \text{ ppm} = 5{,}05 \text{ ppm}$
N-(4-kloro benzoil)-*N'*-fenilthiourea	Penimbangan zat : Berat botol timbang + zat = 13,5863 g Berat botol timbang kosong = 13,5859 g _ Berat zat = 0,0504 g konsentrasi $= \frac{50{,}4 \text{ mg}}{100{,}0 \text{ ml}} \times 1000 = 504 \text{ ppm}$ Pengenceran $= \frac{\text{di pipet } 1{,}0 \text{ ml}}{\text{ad } 100{,}0 \text{ ml}} \times 504 \text{ ppm} = 5{,}04 \text{ ppm}$

LAMPIRAN E

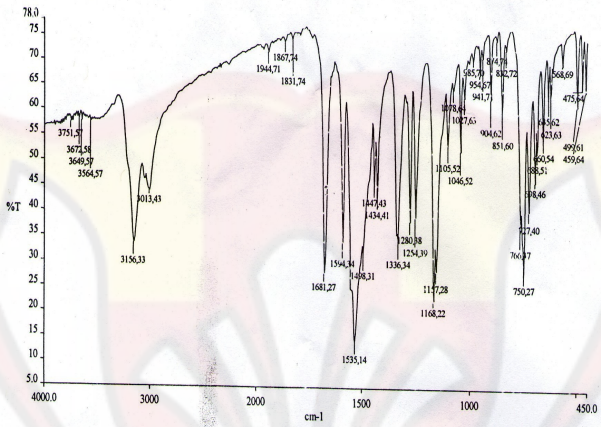
SPEKTRUM INFRAMERAH SENYAWA
***N*-FENIL-*N'*-BENZOILTIOUREA**



Pustaka : Nobrina, 2006

LAMPIRAN F

SPEKTRUM INFRAMERAH SENYAWA
***N*-(*2-KLOROBENZOIL*)-*N'*-FENILTIOUREA**



Anilin.pk

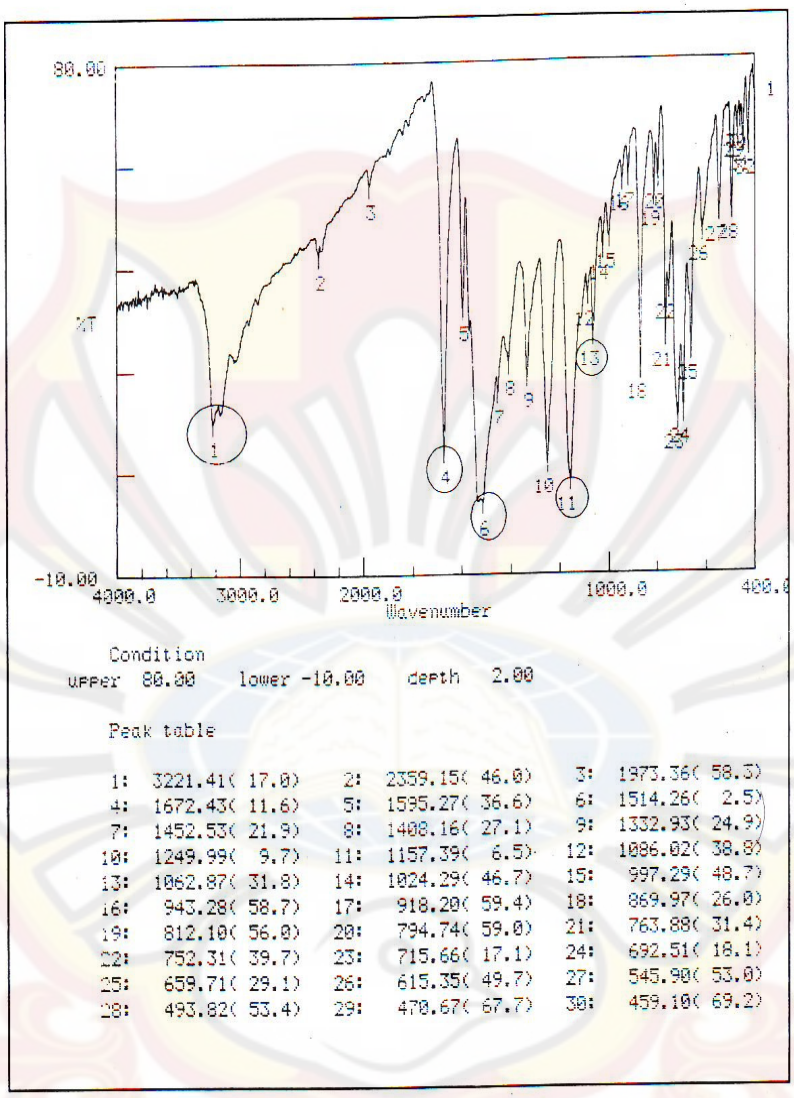
Anilin.sp 3551 4000 450 14 77 4 %T 3 1

REF 4000 56 2000 73 600
3751 57 3672 58 3649 57 3564 57 3156 33
3013 43 1944 71 1867 74 1831 74 1681 27
1594 34 1535 14 1498 31 1447 43 1434 41
1336 34 1280 38 1254 39 1168 22 1157 28
1105 52 1078 64 1046 52 1027 63 985 70
954 67 941 71 904 62 874 74 851 60
832 72 766 37 750 27 727 40 698 46
688 51 660 54 635 62 623 63 568 69
499 61 475 64 459 64
END 43 PEAK(S) FOUND

Pustaka : Lusi, 2010

LAMPIRAN G

SPEKTRUM INFRAMERAH SENYAWA
***N-(3-KLOROBENZOIL)-N'*-FENILTIOUREA**



Condition
upper 80.00 lower -10.00 depth 2.00

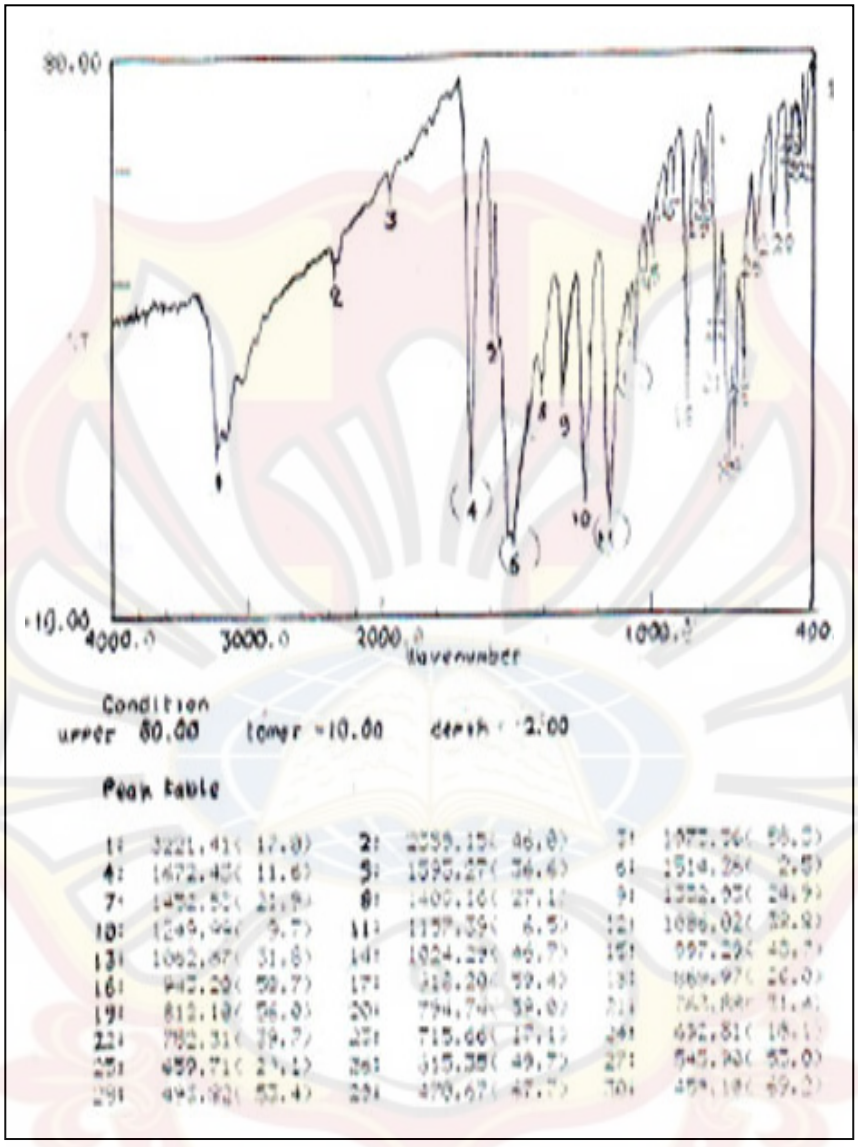
Peak table

1:	3221.41(17.0)	2:	2359.15(46.0)	3:	1973.36(58.3)
4:	1672.43(11.6)	5:	1595.27(36.6)	6:	1514.26(2.5)
7:	1452.53(21.9)	8:	1408.16(27.1)	9:	1332.93(24.9)
10:	1249.99(9.7)	11:	1157.39(6.5)	12:	1086.02(38.8)
13:	1062.87(31.8)	14:	1024.29(46.7)	15:	997.29(48.7)
16:	943.28(58.7)	17:	918.20(59.4)	18:	869.97(26.0)
19:	812.10(56.0)	20:	794.74(59.0)	21:	763.88(31.4)
22:	752.31(39.7)	23:	715.66(17.1)	24:	692.51(18.1)
25:	659.71(29.1)	26:	615.35(49.7)	27:	545.90(53.0)
28:	493.82(53.4)	29:	470.67(67.7)	30:	459.10(69.2)

Pustaka : Wicaksono, 2006

LAMPIRAN H

SPEKTRUM INFRAMERAH SENYAWA
***N*-(4-KLOROBENZOIL)-*N'*-FENILTIOUREA**



Pustaka : Nobrina, 2006

LAMPIRAN I

DATA ANOVA KELOMPOK SENYAWA UJI DAN KELOMPOK KONTROL

Test of Homogeneity of Variances

FG

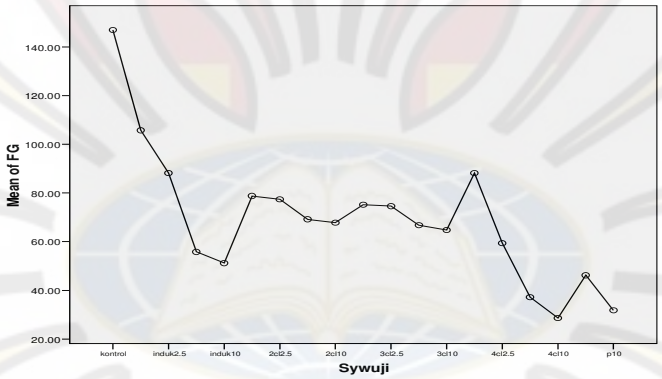
Levene Statistic	df1	df2	Sig.
2.627	18	76	.002

ANOVA

FG

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	67828.632	18	3768.257	258.007	.000
Within Groups	1110.000	76	14.605		
Total	68938.632	94			

Means Plots



Dari hasil *one way anova* menggunakan bantuan komputer program SPSS 17.0 di atas dapat diketahui harga sig 0,000 < 0,05, sehingga Ho ditolak dan Ha diterima yakni ada perbedaan bermakna antara kelompok kontrol dan kelompok senyawa uji.

LAMPIRAN J

HASIL PERHITUNGAN PERSENTASE HAMBATAN NYERI PADA SENYAWA *N*-FENIL-*N'*-BENZOILTHIOUREA

No mencit	Dosis (mg/kgBB)			
	1	2,5	5	10
1.	$\frac{147-103}{147} x100\% = 29,93\%$	$\frac{147-89}{147} x100\% = 39,46\%$	$\frac{147-57}{147} x100\% = 61,22\%$	$\frac{147-51}{147} x100\% = 65,31\%$
2.	$\frac{147-108}{147} x100\% = 26,53\%$	$\frac{147-92}{147} x100\% = 37,41\%$	$\frac{147-54}{147} x100\% = 63,27\%$	$\frac{147-55}{147} x100\% = 62,59\%$
3.	$\frac{147-105}{147} x100\% = 28,57\%$	$\frac{147-88}{147} x100\% = 40,14\%$	$\frac{147-56}{147} x100\% = 61,90\%$	$\frac{147-49}{147} x100\% = 66,67\%$
4.	$\frac{147-106}{147} x100\% = 27,89\%$	$\frac{147-85}{147} x100\% = 42,18\%$	$\frac{147-53}{147} x100\% = 63,95\%$	$\frac{147-54}{147} x100\% = 63,27\%$
5.	$\frac{147-105}{147} x100\% = 28,57\%$	$\frac{147-87}{147} x100\% = 40,82\%$	$\frac{147-59}{147} x100\% = 59,86\%$	$\frac{147-47}{147} x100\% = 68,03\%$
Rata-rata (± SD)	**28,30%**	**40,00 %**	**62,04%**	**65,17%**

LAMPIRAN K

HASIL PERHITUNGAN PERSENTASE HAMBATAN NYERI PADA SENYAWA *N-(2-KLOROBENZOIL)-N'*-FENILTHIOUREA

No mencit	Dosis (mg/kgBB)			
	1	2,5	5	10
1.	$\frac{147-79}{147} x100\% = 46{,}26\%$	$\frac{147-84}{147} x100\% = 42{,}86\%$	$\frac{147-73}{147} x100\% = 56{,}46\%$	$\frac{147-64}{147} x100\% = 50{,}34\%$
2.	$\frac{147-77}{147} x100\% = 47{,}62\%$	$\frac{147-80}{147} x100\% = 45{,}58\%$	$\frac{147-60}{147} x100\% = 52{,}38\%$	$\frac{147-70}{147} x100\% = 59{,}18\%$
3.	$\frac{147-79}{147} x100\% = 46{,}26\%$	$\frac{147-82}{147} x100\% = 44{,}22\%$	$\frac{147-74}{147} x100\% = 53{,}74\%$	$\frac{147-68}{147} x100\% = 49{,}66\%$
4.	$\frac{147-83}{147} x100\% = 43{,}54\%$	$\frac{147-71}{147} x100\% = 51{,}70\%$	$\frac{147-70}{147} x100\% = 55{,}10\%$	$\frac{147-66}{147} x100\% = 52{,}36\%$
5.	$\frac{147-76}{147} x100\% = 48{,}30\%$	$\frac{147-70}{147} x100\% = 52{,}38\%$	$\frac{147-69}{147} x100\% = 551{,}70\%$	$\frac{147-71}{147} x100\% = 53{,}06\%$
Rata-rata (± SD)	**46,40%**	**47,35%**	**53,88%**	**52,92 %**

LAMPIRAN L

HASIL PERHITUNGAN PERSENTASE HAMBATAN NYERI PADA SENYAWA *N-(3-KLOROBENZOIL)-N'*-FENILTHIOUREA

No mencit	Dosis (mg/kgBB)			
	1	2,5	5	10
1.	$\frac{147-80}{147} x100\% = 45{,}58\%$	$\frac{147-75}{147} x100\% = 48{,}98\%$	$\frac{147-67}{147} x100\% = 54{,}42\%$	$\frac{147-61}{147} x100\% = 58{,}50\%$
2.	$\frac{147-77}{147} x100\% = 47{,}62\%$	$\frac{147-70}{147} x100\% = 52{,}38\%$	$\frac{147-70}{147} x100\% = 52{,}38\%$	$\frac{147-64}{147} x100\% = 56{,}46\%$
3.	$\frac{147-75}{147} x100\% = 48{,}98\%$	$\frac{147-78}{147} x100\% = 46{,}94\%$	$\frac{147-66}{147} x100\% = 55{,}10\%$	$\frac{147-65}{147} x100\% = 55{,}78\%$
4.	$\frac{147-74}{147} x100\% = 49{,}66\%$	$\frac{147-78}{147} x100\% = 46{,}94\%$	$\frac{147-63}{147} x100\% = 57{,}14\%$	$\frac{147-68}{147} x100\% = 53{,}74\%$
5.	$\frac{147-70}{147} x100\% = 52{,}38\%$	$\frac{147-72}{147} x100\% = 51{,}02\%$	$\frac{147-68}{147} x100\% = 53{,}74\%$	$\frac{147-66}{147} x100\% = 51{,}10\%$
Rata-rata (± SD)	**48,84**	**49,25**	**54,56**	**55,12**

LAMPIRAN M

HASIL PERHITUNGAN PERSENTASE HAMBATAN NYERI PADA SENYAWA *N-(4-KLOROBENZOIL)-N'*-FENILTHIOUREA

No mencit	Dosis (mg/kgBB)			
	1	2,5	5	10
1.	$\frac{147-85}{147} x100\% = 42{,}18\%$	$\frac{147-59}{147} x100\% = 59{,}86\%$	$\frac{147-37}{147} x100\% = 74{,}83\%$	$\frac{147-27}{147} x100\% = 81{,}63\%$
2.	$\frac{147-86}{147} x100\% = 41{,}50\%$	$\frac{147-58}{147} x100\% = 60{,}54\%$	$\frac{147-39}{147} x100\% = 73{,}47\%$	$\frac{147-28}{147} x100\% = 80{,}95\%$
3.	$\frac{147-89}{147} x100\% = 39{,}46\%$	$\frac{147-60}{147} x100\% = 59{,}18\%$	$\frac{147-40}{147} x100\% = 72{,}79\%$	$\frac{147-30}{147} x100\% = 79{,}59\%$
4.	$\frac{147-88}{147} x100\% = 40{,}14\%$	$\frac{147-57}{147} x100\% = 61{,}22\%$	$\frac{147-35}{147} x100\% = 76{,}19\%$	$\frac{147-29}{147} x100\% = 80{,}27\%$
5.	$\frac{147-93}{147} x100\% = 36{,}73\%$	$\frac{147-63}{147} x100\% = 57{,}14\%$	$\frac{147-35}{147} x100\% = 76{,}19\%$	$\frac{147-29}{147} x100\% = 80{,}27\%$
Rata-rata (± SD)	**40,00%**	**59,59%**	**74,69%**	**80,54%**

LAMPIRAN N

HASIL PERHITUNGAN PERSENTASE HAMBATAN NYERI PADA PEMBANDING (NATRIUM DIKLOFENAK)

No Mencit	Dosis (mg/kgBB)	
	1	2,5
1.	$\frac{147-41}{147} x100\% = 72{,}11\%$	$\frac{147-24}{147} x100\% = 83{,}67\%$
2.	$\frac{147-44}{147} x100\% = 70{,}06\%$	$\frac{147-38}{147} x100\% = 74{,}15\%$
3.	$\frac{147-50}{147} x100\% = 65{,}99\%$	$\frac{147-30}{147} x100\% = 79{,}59\%$
4.	$\frac{147-52}{147} x100\% = 64{,}63\%$	$\frac{147-35}{147} x100\% = 76{,}19\%$
5.	$\frac{147-44}{147} x100\% = 70{,}07\%$	$\frac{147-32}{147} x100\% = 78{,}23\%$
Rata-rata (± SD)	**68,57%**	**78,37%**

LAMPIRAN O

HASIL UJI STATISTIK ED_{50} SENYAWA *N*-FENIL-*N'*-BENZOILTHIOUREA

Convergence Information

PROBIT	Number of Iterations	Optimal Solution Found
	8	Yes

Parameter Estimates

PROBIT[a]						95% Confidence Interval	
	Parameter	Estimate	Std. Error	Z	Sig.	Lower Bound	Upper Bound
	dosis	.103	.019	5.420	.000	.066	.141
	Intercept	-.505	.108	-4.654	.000	-.613	-.396

a. PROBIT model: PROBIT(p) = Intercept + BX

Chi-Square Tests

PROBIT		Chi-Square	df[a]	Sig.
	Pearson Goodness-of-Fit Test	8.186	2	.017[b]

a. Statistics based on individual cases differ from statistics based on aggregated cases.

b. Since the significance level is less than ,150, a heterogeneity factor is used in the calculation of confidence limits.

Confidence Limits

		95% Confidence Limits for dosis		
	Probability	Estimate	Lower Bound	Upper Bound
PROBIT[a]	0.01	-17.651	.	.
	0.02	-15.009	.	.
	0.03	-13.333	.	.
	0.04	-12.072	.	.
	0.05	-11.047	.	.
	0.06	-10.174	.	.
	0.07	-9.409	.	.
	0.08	-8.723	.	.
	0.09	-8.100	.	.
	0.1	-7.526	.	.
	0.15	-5.151	.	.
	0.2	-3.263	.	.
	0.25	-1.644	.	.
	0.3	-.189	.	.
	0.35	1.158	.	.
	0.4	2.437	.	.
	0.45	3.674	.	.
	0.5	**4.892**	.	.
	0.55	6.110	.	.
	0.6	7.347	.	.
	0.65	8.626	.	.
	0.7	9.974	.	.
	0.75	11.428	.	.
	0.8	13.047	.	.
	0.85	14.935	.	.
	0.9	17.310	.	.
	0.91	17.884	.	.
	0.92	18.507	.	.
	0.93	19.193	.	.
	0.94	19.958	.	.
	0.95	20.831	.	.
	0.96	21.856	.	.
	0.97	23.117	.	.
	0.98	24.793	.	.
	0.99	27.435	.	.

LAMPIRAN P

HASIL UJI STATISTIK ED_{50} SENYAWA *N-(2-KLOROBENZOIL)-N'*-FENILTHIOUREA

Convergence Information

PROBIT	Number of Iterations	Optimal Solution Found
	5	Yes

Parameter Estimates

						95% Confidence Interval	
	Parameter	Estimate	Std. Error	Z	Sig.	Lower Bound	Upper Bound
PROBIT[a]	dosis	.055	.019	2.971	.003	.019	.092
	Intercept	-.180	.106	-1.699	.089	-.286	-.074

a. PROBIT model: PROBIT(p) = Intercept + BX

Chi-Square Tests

PROBIT		Chi-Square	df[a]	Sig.
	Pearson Goodness-of-Fit Test	.165	2	.921[b]

a. Statistics based on individual cases differ from statistics based on aggregated cases.

b. Since the significance level is greater than ,150, no heterogeneity factor is used in the calculation of confidence limits.

Confidence Limits

		95% Confidence Limits for dosis		
	Probability	Estimate	Lower Bound	Upper Bound
PROBIT	0.01	-38.719	-122.694	-21.430
	0.02	-33.801	-108.255	-18.456
	0.03	-30.681	-99.096	-16.567
	0.04	-28.334	-92.207	-15.145
	0.05	-26.425	-86.605	-13.988
	0.06	-24.800	-81.837	-13.002
	0.07	-23.375	-77.657	-12.137
	0.08	-22.099	-73.914	-11.362
	0.09	-20.939	-70.512	-10.656
	0.1	-19.871	-67.380	-10.006
	0.15	-15.449	-54.421	-7.308
	0.2	-11.935	-44.134	-5.151
	0.25	-8.920	-35.326	-3.285
	0.3	-6.213	-27.438	-1.585
	0.35	-3.704	-20.167	.027
	0.4	-1.323	-13.339	1.630
	0.45	.980	-6.905	3.351
	0.5	**3.247**	-1.106	5.579
	0.55	5.514	3.077	9.423
	0.6	7.818	5.501	15.155
	0.65	10.198	7.318	21.767
	0.7	12.707	9.016	28.953
	0.75	15.415	10.757	36.800
	0.8	18.430	12.647	45.585
	0.85	21.944	14.818	55.858
	0.9	26.366	17.526	68.807
	0.91	27.434	18.177	71.937
	0.92	28.594	18.884	75.338
	0.93	29.870	19.661	79.079
	0.94	31.295	20.527	83.258
	0.95	32.920	21.514	88.024
	0.96	34.829	22.673	93.626
	0.97	37.176	24.096	100.513
	0.98	40.296	25.986	109.671
	0.99	45.213	28.962	124.108

LAMPIRAN Q

HASIL UJI STATISTIK ED_{50} SENYAWA *N-(3-KLOROBENZOIL)-N'*-FENILTHIOUREA

Convergence Information

PROBIT	Number of Iterations	Optimal Solution Found
	4	Yes

Parameter Estimates

PROBIT[a]						95% Confidence Interval	
	Parameter	Estimate	Std. Error	Z	Sig.	Lower Bound	Upper Bound
	dosis	.015	.018	.823	.410	-.021	.051
	Intercept	-.034	.106	-.324	.746	-.140	.071

a. PROBIT model: PROBIT(p) = Intercept + BX

Chi-Square Tests

PROBIT		Chi-Square	df[a]	Sig.
	Pearson Goodness-of-Fit Test	.240	2	.887[b]

a. Statistics based on individual cases differ from statistics based on aggregated cases.

b. Since the significance level is greater than ,150, no heterogeneity factor is used in the calculation of confidence limits.

Confidence Limits

		95% Confidence Limits for dosis		
	Probability	Estimate	Lower Bound	Upper Bound
PROBIT	0.01	-151.570	.	.
	0.02	-133.544	.	.
	0.03	-122.108	.	.
	0.04	-113.504	.	.
	0.05	-106.506	.	.
	0.06	-100.550	.	.
	0.07	-95.327	.	.
	0.08	-90.651	.	.
	0.09	-86.398	.	.
	0.1	-82.483	.	.
	0.15	-66.275	.	.
	0.2	-53.393	.	.
	0.25	-42.341	.	.
	0.3	-32.417	.	.
	0.35	-23.220	.	.
	0.4	-14.494	.	.
	0.45	-6.050	.	.
	0.5	**2.259**	.	.
	0.55	10.568	.	.
	0.6	19.011	.	.
	0.65	27.738	.	.
	0.7	36.935	.	.
	0.75	46.859	.	.
	0.8	57.911	.	.
	0.85	70.793	.	.
	0.9	87.001	.	.
	0.91	90.916	.	.
	0.92	95.169	.	.
	0.93	99.845	.	.
	0.94	105.068	.	.
	0.95	111.024	.	.
	0.96	118.022	.	.
	0.97	126.626	.	.
	0.98	138.062	.	.
	0.99	156.088	.	.

LAMPIRAN R

HASIL UJI STATISTIK ED_{50} SENYAWA *N-(4-KLOROBENZOIL)-N'*-FENILTHIOUREA

Convergence Information

PROBIT	Number of Iterations	Optimal Solution Found
	6	Yes

Parameter Estimates

PROBIT[a]						95% Confidence Interval	
	Parameter	Estimate	Std. Error	Z	Sig.	Lower Bound	Upper Bound
	Dosis	.117	.020	5.735	.000	.077	.158
	Intercept	-.161	.108	-1.486	.137	-.269	-.053

a. PROBIT model: PROBIT(p) = Intercept + BX

Chi-Square Tests

PROBIT		Chi-Square	df[a]	Sig.
	Pearson Goodness-of-Fit Test	7.665	2	.022[b]

a. Statistics based on individual cases differ from statistics based on aggregated cases.

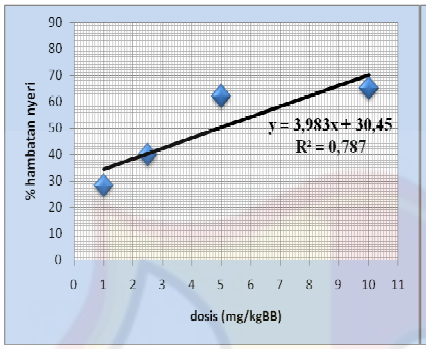
b. Since the significance level is less than ,150, a heterogeneity factor is used in the calculation of confidence limits.

Confidence Limits

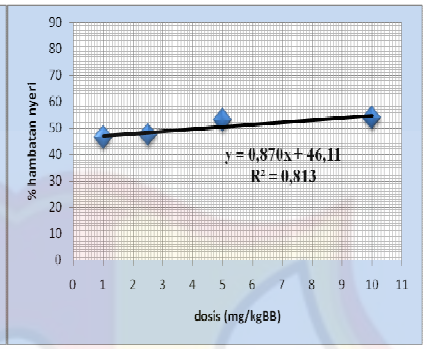
		95% Confidence Limits for dosis		
	Probability	Estimate	Lower Bound	Upper Bound
PROBIT[a]	0.01	-18.448	.	.
	0.02	-16.125	.	.
	0.03	-14.652	.	.
	0.04	-13.544	.	.
	0.05	-12.642	.	.
	0.06	-11.875	.	.
	0.07	-11.202	.	.
	0.08	-10.599	.	.
	0.09	-10.051	.	.
	0.1	-9.547	.	.
	0.15	-7.459	.	.
	0.2	-5.799	.	.
	0.25	-4.376	.	.
	0.3	-3.097	.	.
	0.35	-1.912	.	.
	0.4	-.788	.	.
	0.45	.300	.	.
	0.5	**1.370**	.	.
	0.55	2.441	.	.
	0.6	3.529	.	.
	0.65	4.653	.	.
	0.7	5.838	.	.
	0.75	7.116	.	.
	0.8	8.540	.	.
	0.85	10.200	.	.
	0.9	12.288	.	.
	0.91	12.792	.	.
	0.92	13.340	.	.
	0.93	13.942	.	.
	0.94	14.615	.	.
	0.95	15.383	.	.
	0.96	16.284	.	.
	0.97	17.393	.	.
	0.98	18.866	.	.
	0.99	21.188	.	.

LAMPIRAN S

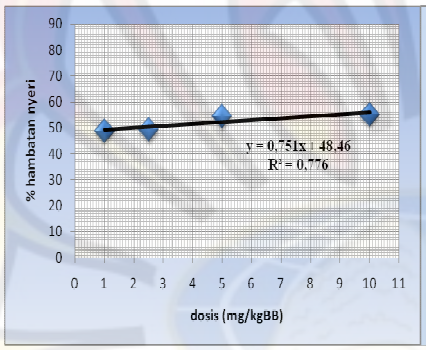
PERSAMAAN REGRESI LINIER HARGA ED_{50} SENYAWA UJI



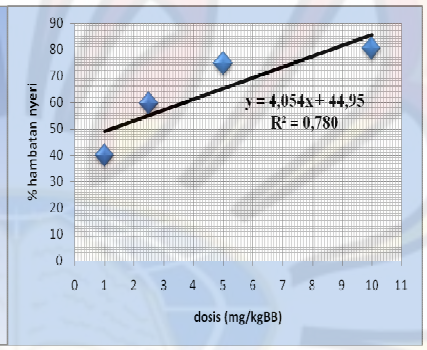
N-fenil-*N'*-benzoilthiourea



N-(2-klorobenzoil)-N'-fenilthiourea



N-(3-klorobenzoil)-N'-fenilthiourea



N-(4-klorobenzoil)-N'-fenilthiourea

LAMPIRAN T

TABEL R

DEGREES OF FREEDOM (DF)	5 PERCENT	1 PERCENT	DEGREES OF FREEDOM (DF)	5 PERCENT	1 PERCENT
1	.997	1.000	24	.388	.496
2	.950	.990	25	.381	.487
3	.878	.959	26	.374	.478
4	.811	.917	27	.367	.470
5	.754	.874	28	.361	.463
6	.707	.834	29	.355	.456
7	.666	.798	30	.349	.449
8	.632	.765	35	.325	.418
9	.602	.735	40	.304	.393
10	.576	.708	48	.288	.372
11	.553	.684	50	.273	.354
12	.532	.661	60	.250	.325
13	.514	.641	70	.232	.302
14	.497	.623	80	.217	.283
15	.482	.606	90	.205	.267
16	.468	.590	100	.195	.254
17	.456	.575	125	.174	.228
18	.444	.561	150	.159	.208
19	.433	.549	200	.138	.181
20	.423	.537	300	.113	.148
21	.413	.526	400	.098	.128
22	.404	.515	500	.088	.115
23	.396	.505	1000	.062	.081

LAMPIRAN U

TABEL F

Tabel uji F

Baris pertama pada setiap pasangan baris adalah titik pada distribusi *F* untuk aras 0.05; baris kedua untuk aras 0.01.

Derajat kebebasan untuk rataan kuadrat yang lebih kecil	Derajat kebebasan untuk rataan kuadrat yang lebih besar																					
	1	2	3	4	5	6	7	8	9	10	11	12	14	16	20	24	30	40	50	75	100	200	500	∞
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.45	2.42	2.37	2.33	2.28	2.24	2.20	2.16	2.13	2.09	2.07	2.04	2.02	2.01
	8.53	6.23	5.29	4.77	4.44	4.20	4.03	3.89	3.78	3.69	3.61	3.55	3.45	3.37	3.25	3.18	3.10	3.01	2.96	2.89	2.86	2.80	2.77	2.75
17	4.45	3.59	3.20	2.96	2.81	2.70	2.62	2.55	2.50	2.45	2.41	2.38	2.33	2.29	2.23	2.19	2.15	2.11	2.08	2.04	2.02	1.99	1.97	1.96
	8.40	6.11	5.18	4.67	4.34	4.10	3.93	3.79	3.68	3.59	3.52	3.45	3.35	3.27	3.16	3.08	3.00	2.92	2.86	2.79	2.76	2.70	2.67	2.65
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.37	2.34	2.29	2.25	2.19	2.15	2.11	2.07	2.04	2.00	1.98	1.95	1.93	1.92
	8.28	6.01	5.09	4.58	4.25	4.01	3.85	3.71	3.60	3.51	3.44	3.37	3.27	3.19	3.07	3.00	2.91	2.83	2.78	2.71	2.68	2.62	2.59	2.57
19	4.38	3.52	3.13	2.90	2.74	2.63	2.55	2.48	2.43	2.38	2.34	2.31	2.26	2.21	2.15	2.11	2.07	2.02	2.00	1.96	1.94	1.91	1.90	1.88
	8.18	5.93	5.01	4.50	4.17	3.94	3.77	3.63	3.52	3.43	3.36	3.30	3.19	3.12	3.00	2.92	2.84	2.76	2.70	2.63	2.60	2.54	2.51	2.49
20	4.35	3.49	3.10	2.87	2.71	2.60	2.52	2.45	2.40	2.35	2.31	2.28	2.23	2.18	2.12	2.08	2.04	1.99	1.96	1.92	1.90	1.87	1.85	1.84
	8.10	5.85	4.94	4.43	4.10	3.87	3.71	3.56	3.45	3.37	3.30	3.23	3.13	3.05	2.94	2.86	2.77	2.69	2.63	2.56	2.53	2.47	2.44	2.42
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.28	2.25	2.20	2.15	2.09	2.05	2.00	1.96	1.93	1.80	1.87	1.84	1.82	1.81
	8.02	5.78	4.87	4.37	4.04	3.81	3.65	3.51	3.40	3.31	3.24	3.17	3.07	2.99	2.88	2.80	2.72	2.63	2.58	2.51	2.47	2.42	2.38	2.36
22	4.30	3.44	3.05	2.82	2.66	2.55	2.47	2.40	2.35	2.30	2.26	2.23	2.18	2.13	2.07	2.03	1.98	1.93	1.91	1.87	1.84	1.81	1.80	1.78
	7.94	5.72	4.82	4.31	3.99	3.76	3.59	3.45	3.35	3.26	3.18	3.12	3.02	2.94	2.83	2.75	2.67	2.58	2.53	2.46	2.42	2.37	2.33	2.31
23	4.28	3.42	3.03	2.80	2.64	2.53	2.45	2.38	2.32	2.28	2.24	2.20	2.14	2.10	2.04	2.00	1.96	1.91	1.88	1.84	1.82	1.79	1.77	1.76
	7.88	5.66	4.76	4.26	3.94	3.71	3.54	3.41	3.30	3.21	3.14	3.07	2.97	2.89	2.78	2.70	2.62	2.53	2.48	2.41	2.37	2.32	2.28	2.26
24	4.26	3.40	3.01	2.78	2.62	2.51	2.43	2.36	2.30	2.26	2.22	2.18	2.13	2.09	2.02	1.98	1.94	1.89	1.86	1.82	1.80	1.76	1.74	1.73
	7.82	5.61	4.72	4.22	3.90	3.67	3.50	3.36	3.25	3.17	3.09	3.03	2.93	2.85	2.74	2.66	2.58	2.49	2.44	2.36	2.33	2.27	2.23	2.21
25	4.24	3.38	2.99	2.76	2.60	2.49	2.41	2.34	2.28	2.24	2.20	2.16	2.11	2.06	2.00	1.96	1.92	1.87	1.84	1.80	1.77	1.74	1.72	1.71
	7.77	5.57	4.68	4.18	3.86	3.63	3.46	3.32	3.21	3.13	3.05	2.99	2.89	2.81	2.70	2.62	2.54	2.45	2.40	2.32	2.29	2.23	2.19	2.17
26	4.22	3.37	2.89	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.18	2.15	2.10	2.05	1.99	1.95	1.90	1.85	1.82	1.78	1.76	1.72	1.70	1.69
	7.72	5.53	4.64	4.14	3.82	3.59	3.42	3.29	3.17	3.09	3.02	2.96	2.86	2.77	2.66	2.58	2.50	2.41	2.36	2.28	2.25	2.19	2.15	2.13
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.30	2.25	2.20	2.16	2.13	2.08	2.03	1.97	1.93	1.88	1.84	1.80	1.76	1.74	1.71	1.68	1.67
	7.68	5.49	4.60	4.11	3.79	3.56	3.39	3.26	3.14	3.06	2.98	2.93	2.83	2.74	2.63	2.55	2.47	2.38	2.33	2.25	2.21	2.16	2.12	2.10
28	4.20	3.34	2.95	2.71	2.56	2.44	2.36	2.29	2.24	2.19	2.15	2.12	2.06	2.02	1.96	1.91	1.87	1.81	1.78	1.75	1.72	1.69	1.67	1.65
	7.64	5.45	4.57	4.07	3.76	3.53	3.36	3.23	3.11	3.03	2.95	2.90	2.80	2.71	2.60	2.52	2.44	2.35	2.30	2.22	2.18	2.13	2.09	2.06
29	4.18	3.33	2.93	2.70	2.54	2.43	2.35	2.28	2.22	2.18	2.14	2.10	2.05	2.00	1.94	1.90	1.85	1.80	1.77	1.73	1.71	1.68	1.65	1.64
	7.60	5.52	4.54	4.04	3.73	3.50	3.32	3.20	3.08	3.00	2.92	2.87	2.77	2.68	2.57	2.49	2.41	2.32	2.27	2.19	2.15	2.10	2.06	2.03
30	4.17	3.32	2.92	2.69	2.53	2.42	2.34	2.27	2.21	2.16	2.12	2.09	2.04	1.99	1.93	1.89	1.84	1.79	1.76	1.72	1.69	1.66	1.64	1.62
	7.56	5.39	4.51	4.02	3.70	3.47	3.30	3.17	3.06	2.98	2.90	2.84	2.74	2.66	2.55	2.47	2.38	2.29	2.24	2.16	2.13	2.07	2.03	2.01

(*bersambung*)

Tabel uji F (lanjutan)

Baris pertama pada setiap pasangan baris adalah titik pada distribusi *F* untuk aras 0.05; baris kedua untuk aras 0.01.

Derajat kebebasan untuk rataan kuadrat yang lebih kecil.	Derajat kebebasan untuk rataan kuadrat yang lebih besar.																						
	1	2	3	4	5	6	7	8	9	10	11	12	14	16	20	24	30	40	50	75	100	200	500	∞
32	4.15	3.30	2.90	2.67	2.51	2.40	2.32	2.25	2.19	2.14	2.10	2.07	2.02	1.97	1.91	1.86	1.82	1.76	1.74	1.69	1.67	1.64	1.61	1.59
	7.50	5.34	4.46	3.97	3.66	3.42	3.25	3.12	3.01	2.94	2.86	2.80	2.70	2.62	2.51	2.42	2.34	2.25	2.20	2.12	2.08	2.02	1.98	1.96
34	4.13	3.28	2.88	2.65	2.49	2.38	2.30	2.23	2.17	2.12	2.08	2.05	2.00	1.95	1.89	1.84	1.80	1.74	1.71	1.67	1.64	1.61	1.59	1.57
	7.44	5.29	4.42	3.93	3.61	3.38	3.21	3.08	2.97	2.89	2.82	2.76	2.66	2.58	2.47	2.38	2.30	2.21	2.15	2.08	2.04	1.98	1.94	1.91
36	4.11	3.26	2.86	2.63	2.48	2.36	2.28	2.21	2.15	2.10	2.06	2.03	1.89	1.93	1.87	1.82	1.78	1.72	1.69	1.65	1.62	1.59	1.56	1.55
	7.39	5.25	4.38	3.89	3.58	3.35	3.18	3.04	2.94	2.86	2.78	2.72	2.62	2.54	2.43	2.35	2.26	2.17	2.12	2.04	2.00	1.94	1.90	1.87
38	4.10	3.25	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	2.05	2.02	1.96	1.92	1.85	1.80	1.76	1.71	1.67	1.63	1.60	1.57	1.54	1.53
	7.35	5.21	4.34	3.86	3.54	3.32	3.15	3.02	2.91	2.82	2.75	2.69	2.59	2.51	2.40	2.32	2.22	2.14	2.08	2.00	1.97	1.90	1.86	1.84
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.07	2.04	2.00	1.95	1.90	1.84	1.79	1.74	1.69	1.66	1.61	1.59	1.55	1.53	1.51
	7.31	5.18	4.31	3.83	3.51	3.29	3.12	2.99	2.88	2.80	2.73	2.66	2.56	2.49	2.37	2.29	2.20	2.11	2.05	1.97	1.94	1.88	1.84	1.81
42	4.07	3.22	2.83	2.59	2.44	2.32	2.24	2.17	2.11	2.06	2.02	1.90	1.94	1.89	1.82	1.78	1.73	1.68	1.64	1.60	1.57	1.54	1.51	1.49
	7.27	5.15	4.29	3.80	3.49	3.26	3.10	2.96	2.86	2.77	2.70	2.64	2.54	2.46	2.35	2.26	2.17	2.08	2.02	1.94	1.91	1.85	1.80	1.78
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	1.92	1.88	1.81	1.76	1.72	1.66	1.63	1.58	1.56	1.52	1.50	1.48
	7.24	5.12	4.26	3.78	3.46	3.24	3.07	2.94	2.84	2.75	2.68	2.62	2.52	2.44	2.32	2.24	2.15	2.06	2.09	1.92	1.88	1.82	1.78	1.75
46	4.05	3.20	2.81	2.57	2.42	2.30	2.22	2.14	2.09	2.04	2.00	1.97	1.91	1.87	1.80	1.75	1.71	1.65	1.62	1.57	1.54	1.51	1.48	1.46
	7.21	5.10	4.24	3.76	3.44	3.22	3.05	2.92	2.82	2.73	2.66	2.60	2.50	2.42	2.30	2.22	2.13	2.04	1.98	1.90	1.86	1.80	1.76	1.72
48	4.04	3.19	2.80	2.56	2.41	2.30	2.21	2.14	2.08	2.03	1.99	1.96	1.90	1.86	1.79	1.74	1.70	1.64	1.61	1.56	1.53	1.50	1.47	1.45
	7.19	5.08	4.22	3.74	3.42	3.20	3.04	2.90	2.80	2.71	2.64	2.58	2.48	2.40	2.28	2.20	2.11	2.02	1.96	1.88	1.84	1.78	1.73	1.70
50	4.03	3.18	2.79	2.56	2.40	2.29	2.20	2.13	2.07	2.02	1.98	1.95	1.90	1.85	1.78	1.74	1.69	1.63	1.60	1.55	1.52	1.48	1.46	1.44
	7.17	5.06	4.20	3.72	3.41	3.18	3.02	2.88	2.78	2.70	2.62	2.56	2.46	2.39	2.26	2.18	2.10	2.00	1.94	1.86	1.82	1.76	1.71	1.68
55	4.02	3.17	2.78	2.54	2.38	2.27	2.18	2.11	2.05	2.00	1.97	1.93	1.88	1.83	1.76	1.72	1.67	1.61	1.58	1.52	1.50	1.46	1.43	1.41
	7.12	5.01	4.16	3.68	3.37	3.15	2.98	2.85	2.75	2.66	2.59	2.53	2.43	2.35	2.23	2.15	2.06	1.96	1.90	1.82	1.78	1.71	1.66	1.64
60	4.00	3.15	2.76	2.52	2.37	2.25	2.17	2.10	2.04	1.99	1.95	1.92	1.86	1.81	1.75	1.70	1.65	1.59	1.56	1.50	1.48	1.44	1.41	1.39
	7.08	4.98	4.13	3.65	3.34	3.12	2.95	2.82	2.72	2.63	2.56	2.50	2.40	2.32	2.20	2.12	2.03	1.93	1.87	1.79	1.74	1.68	1.63	1.60
65	3.99	3.14	2.75	2.51	2.36	2.24	2.15	2.08	2.02	1.98	1.94	1.90	1.85	1.80	1.73	1.68	1.63	1.57	1.54	1.49	1.46	1.42	1.39	1.37
	7.04	4.95	4.10	3.62	3.31	3.09	2.93	2.79	2.70	2.61	2.54	2.47	2.37	2.30	2.18	2.09	2.00	1.90	1.94	1.76	1.71	1.64	1.60	1.56
70	3.98	3.13	2.74	2.50	2.35	2.32	2.14	2.07	2.01	1.97	1.93	1.89	1.84	1.79	1.72	1.67	1.62	1.56	1.53	1.47	1.45	1.40	1.37	1.35
	7.01	4.92	4.08	3.60	3.29	3.07	2.91	2.77	2.67	2.59	2.51	2.45	2.35	2.28	2.15	2.07	1.98	1.88	1.82	1.74	1.69	1.62	1.56	1.53
80	3.96	3.11	2.72	2.48	2.33	2.21	2.12	2.05	1.99	1.95	1.91	1.88	1.82	1.77	1.70	1.65	1.60	1.54	1.51	1.45	1.42	1.38	1.35	1.32
	6.96	4.88	4.04	3.56	3.25	3.04	2.87	2.74	2.64	2.55	2.48	2.41	2.32	2.24	2.11	2.03	1.94	1.84	1.78	1.70	1.65	1.57	1.52	1.49

Sumber: Schefler (1987).