LAMPIRAN A

UJI F KURVA BAKU

Replikasi 1

X	Y	X^2	Y^2	XY
1,01	0,024	1,0201	0,000576	0,02424
3,03	0,034	9,1809	0,001156	0,10302
5,05	0,051	25,5025	0,002601	0,25755
15,15	0,089	229,5225	0,007921	1,34835
25,25	0,142	637,5625	0,020164	3,5855
35,35	0,191	1249,6225	0,036481	6,75185
50,5	0,258	2550,25	0,066564	13,029
65,65	0,338	4309,9225	0,114244	22,1897
80,8	0,41	6528,64	0,1681	33,128
95,95	0,482	9206,4025	0,232324	46,2479

Replikasi 2

X	Y	X^2	Y^2	XY
1,01	0,017	1,0201	0,000289	0,01717
3,03	0,021	9,1809	0,000441	0,06363
5,05	0,024	25,5025	0,000576	0,1212
15,15	0,077	229,5225	0,005929	1,16655
25,25	0,128	637,5625	0,016384	3,232
35,35	0,176	1249,6225	0,030976	6,2216
50,5	0,252	2550,25	0,063504	12,726
65,65	0,321	4309,9225	0,103041	21,07365
80,8	0,391	6528,64	0,152881	31,5928
95,95	0,462	9206,4025	0,213444	44,3289

Replikasi 3

X	Y	X^2	Y^2	XY
1,01	0,038	1,0201	0,001444	0,03838
3,03	0,041	9,1809	0,001681	0,12423
5,05	0,045	25,5025	0,002025	0,22725
15,15	0,104	229,5225	0,010816	1,5756
25,25	0,159	637,5625	0,025281	4,01475
35,35	0,191	1249,6225	0,036481	6,75185
50,5	0,266	2550,25	0,070756	13,433
65,65	0,35	4309,9225	0,1225	22,9775
80,8	0,424	6528,64	0,179776	34,2592
95,95	0,485	9206,4025	0,235225	46,53575

	ΣX^2	ΣY^2	ΣXY	N	Ssi	RDF
Replikasi 1	24747,626	0,650131	126,66511	10	0,645012727	9
Replikasi 2	24747,626	0,587465	120,5435	10	0,582594088	9
Replikasi 3	24747,626	0,685985	129,93751	10	0,680734496	9
	74242,878	1,923581	377,14612		1,908341311	

Ssc = 1,918501104

Ssp = 1,90834

F hit = 0,07188179 < F tabel (2,27) 3,35

LAMPIRAN B

HASIL UJI AKURASI

Replikasi	%	Abs	C (ppm)	C Teoritis (ppm)	%Perolehan kembali
1	80	0,083	15,974	16,080	99,34
	100	0,102	19,961	20,200	98,82
	120	0,121	23,947	24,000	99,78
2	80	0,084	16,184	16,020	101,03
	100	0,104	20,381	20,200	100,89
	120	0,124	24,577	24,240	101,39
3	80	0,083	15,974	16,180	98,73
	100	0,105	20,171	20,280	99,46
	120	0,124	24,577	24,400	100,72

LAMPIRAN C

HASIL UJI PRESISI

Konsentrasi	Replikasi	Abs	C sampel (ppm)	C teoritis (ppm)	% Perolehan kembali
100%	1	0,102	19,961	20,200	98,82
	2	0,104	20,381	20,280	100,50
	3	0,104	20,381	20,200	100,89
	4	0,103	20,171	20,280	99,46
	5	0,102	19,961	20,080	99,41
	6	0,105	20,590	20,320	101,33
		$\bar{x}$			100,07
		SD			0,98
		KV			0,97

LAMPIRAN D

HASIL PENETAPAN KADAR FILM *BUCCOADHESIVE* ATENOLOL

Formula		C teoritis (mg/cm^2)	A	C sampel (ppm)	C sampel (mg/cm^2)	%	$\overline{X}$	SD	KV
F1	A	0,969	0,098	19,1216	0,956	98,62	97,49	1,45	1,49
	B	0,997	0,098	19,1216	0,956	95,85			
	C	1,008	0,101	19,7511	0,988	98,01			
F2	A	1,022	0,101	19,7511	0,988	96,66	96,03	1,42	1,48
	B	1,013	0,098	19,1216	0,956	94,41			
	C	0,975	0,097	18,9118	0,946	97,03			
F3	A	1,001	0,097	18,9118	0,946	94,44	93,97	1,56	1,66
	B	0,971	0,095	18,4922	0,925	95,25			
	C	0,991	0,094	18,2824	0,914	92,23			
F4	A	1,025	0,101	19,7511	0,988	96,30	96,53	1,73	1,80
	B	0,972	0,098	19,1216	0,956	98,36			
	C	0,996	0,097	18,9118	0,946	94,92			

Anova: Single Factor

SUMMARY

Groups	*Count*	*Sum*	*Average*	*Variance*
F 1	3	292,482	97,494	2,11645
F 2	3	288,0988	96,03292	2,020383
F 3	3	281,9249	93,97497	2,437528
F 4	3	289,5885	96,5295	3,0025

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Between Groups	19,84195	3	6,613985	2,7625	0,111369	4,066181
Within Groups	19,15372	8	2,394215			
Total	38,99568	11				

LAMPIRAN E

HASIL UJI HOMOGENITAS FILM *BUCCOADHESIVE* ATENOLOL

Uji Homogenitas *batch* A

Tempat pengambilan	Kadar (%)			
	F1	**F2**	**F3**	**F4**
1	98,62	96,66	94,44	99,37
2	95,38	97,69	93,39	96,30
3	98,62	94,61	95,49	98,35
$\bar{X}$	97,54	96,32	94,44	98,01
SD	1,87	1,57	1,05	1,56
KV	1,92	1,63	1,11	1,59

Uji Homogenitas *batch* B

Tempat pengambilan	Kadar (%)			
	F1	**F2**	**F3**	**F4**
1	95,85	93,37	95,25	98,36
2	92,70	91,30	98,49	95,13
3	94,80	94,41	97,41	96,21
$\bar{X}$	94,45	93,02	97,05	96,57
SD	1,61	1,58	1,65	1,65
KV	1,70	1,70	1,70	1,71

Uji Homogenitas *batch* C

Tempat pengambilan	Kadar (%)			
	F1	**F2**	**F3**	**F4**
1	98,01	98,11	92,23	94,92
2	94,88	98,11	91,18	93,87
3	94,88	97,03	93,29	97,03
$\bar{X}$	95,92	97,75	92,23	95,27
SD	1,80	0,62	1,06	1,61
KV	1,88	0,64	1,15	1,69

LAMPIRAN F

HASIL UJI *SWELLING INDEX*

Formula		Wt (g)	W0 (g)	SI	$\bar{X}$	SD
F1	A	0,0806	0,0315	1,56	1,59	0,12
	B	0,0922	0,0339	1,72		
	C	0,0701	0,0283	1,48		
F2	A	0,1408	0,0468	2,01	2,05	0,09
	B	0,1513	0,0508	1,98		
	C	0,1326	0,0421	2,15		
F3	A	0,1252	0,0468	1,68	1,72	0,19
	B	0,1311	0,0514	1,55		
	C	0,1274	0,0436	1,92		
F4	A	0,2012	0,0621	2,24	2,23	0,25
	B	0,2017	0,0677	1,98		
	C	0,1936	0,0558	2,47		

LAMPIRAN G

HASIL UJI *ADHESION TIME*

Formula		Adhesion Time (jam)	$\bar{X}$	SD
F1	A	6,0	6	0
	B	6,0		
	C	6,0		
F2	A	6,0	6	0
	B	6,0		
	C	6,0		
F3	A	3,55	3,67	0,39
	B	4,1		
	C	3,35		
F4	A	6,0	6	0
	B	6,0		
	C	6,0		

LAMPIRAN H

HASIL UJI PELEPASAN

Hasil Uji Pelepasan Formula 1

Batch	t (jam)	A	C (ppm)	C (µg/cm^2)	$\bar{X}$ (µg/cm^2)	SD
A	0,08	0,027	4,225	87,458	70,0853	17,37
	0,17	0,025	3,805	78,772	71,53305	6,63
	0,25	0,032	5,274	109,175	97,59262	10,93
	0,33	0,032	5,274	109,175	113,5179	7,52
	0,42	0,035	5,903	122,204	116,4134	10,03
	0,50	0,039	6,743	139,577	129,4432	10,93
	1,00	0,051	9,260	191,697	162,7415	26,54
	2,00	0,063	11,778	243,816	229,3382	18,08
	3,00	0,084	16,184	335,024	337,920	21,861
	4,00	0,094	18,282	378,457	381,3524	9,04
	5,00	0,113	22,269	460,979	434,9193	22,98
	6,00	0,124	24,577	508,755	502,9637	13,96
B	0,08	0,023	3,386	70,085		
	0,17	0,022	3,176	65,742		
	0,25	0,029	4,645	96,145		
	0,33	0,035	5,903	122,204		
	0,42	0,035	5,903	122,204		
	0,50	0,037	6,323	130,891		
	1,00	0,043	7,582	156,951		
	2,00	0,055	10,100	209,070		
	3,00	0,08	15,345	317,651		
	4,00	0,097	18,912	391,487		
	5,00	0,105	20,590	426,233		
	6,00	0,125	24,787	513,098		
C	0,08	0,019	2,546	52,712		
	0,17	0,023	3,386	70,085		
	0,25	0,027	4,225	87,458		
	0,33	0,032	5,274	109,175		
	0,42	0,031	5,064	104,831		
	0,50	0,034	5,694	117,861		
	1,00	0,039	6,743	139,577		
	2,00	0,061	11,359	235,129		
	3,00	0,09	17,443	361,084		
	4,00	0,093	18,073	374,114		
	5,00	0,103	20,171	417,546		
	6,00	0,119	23,528	487,038		

Hasil Uji Pelepasan Formula 2

Batch	t (jam)	A	C (ppm)	C (µg/ cm^2)	$\bar{X}$ (µg/cm^2)	SD
A	0,08	0,019	2,546	52,712	42,57798	9,04
	0,17	0,021	2,966	61,399	42,57798	16,44
	0,25	0,02	2,756	57,056	57,05552	4,34
	0,33	0,022	3,176	65,742	59,95102	6,63
	0,42	0,031	5,064	104,831	96,14487	8,69
	0,50	0,047	8,421	174,324	159,846	18,08
	1,00	0,054	9,890	204,726	206,1742	10,93
	2,00	0,076	14,506	300,278	291,5916	8,69
	3,00	0,088	17,024	352,397	335,0243	19,90
	4,00	0,088	17,024	352,397	355,2928	13,27
	5,00	0,092	17,863	369,770	363,9793	10,03
	6,00	0,093	18,073	374,114	382,8001	22,98
B	0,08	0,016	1,917	39,682		
	0,17	0,015	1,707	35,339		
	0,25	0,021	2,966	61,399		
	0,33	0,021	2,966	61,399		
	0,42	0,029	4,645	96,145		
	0,50	0,045	8,002	165,637		
	1,00	0,052	9,470	196,040		
	2,00	0,074	14,086	291,592		
	3,00	0,085	16,394	339,368		
	4,00	0,092	17,863	369,770		
	5,00	0,092	17,863	369,770		
	6,00	0,101	19,751	408,860		
C	0,08	0,015	1,707	35,339		
	0,17	0,014	1,497	30,996		
	0,25	0,019	2,546	52,712		
	0,33	0,019	2,546	52,712		
	0,42	0,027	4,225	87,458		
	0,50	0,039	6,743	139,577		
	1,00	0,057	10,519	217,756		
	2,00	0,072	13,666	282,905		
	3,00	0,079	15,135	313,308		
	4,00	0,086	16,604	343,711		
	5,00	0,088	17,024	352,397		
	6,00	0,091	17,653	365,427		

Uji Pelepasan Formula 3

Batch	t (jam)	A	C (ppm)	C (µg/cm^2)	$\bar{X}$ (µg/cm^2)	SD
A	0,08	0,036	6,113	126,548	110,6224	15,25
	0,17	0,034	5,694	117,861	106,2791	10,93
	0,25	0,035	5,903	122,204	110,6224	16,44
	0,33	0,035	5,903	122,204	120,7567	6,63
	0,42	0,045	8,002	165,637	152,6073	13,03
	0,50	0,051	9,260	191,697	167,0848	23,92
	1,00	0,062	11,568	239,472	242,368	17,55
	2,00	0,069	13,037	269,875	291,5916	19,90
	3,00	0,085	16,394	339,368	336,472	21,86
	4,00	0,101	19,751	408,860	390,0389	25,45
	5,00	0,131	26,045	539,158	546,3963	24,70
	6,00	0,138	27,514	569,560	565,2171	19,90
B	0,08	0,032	5,274	109,175		
	0,17	0,031	5,064	104,831		
	0,25	0,034	5,694	117,861		
	0,33	0,036	6,113	126,548		
	0,42	0,039	6,743	139,577		
	0,50	0,045	8,002	165,637		
	1,00	0,067	12,617	261,189		
	2,00	0,078	14,925	308,965		
	3,00	0,089	17,233	356,741		
	4,00	0,09	17,443	361,084		
	5,00	0,139	27,724	573,904		
	6,00	0,141	28,144	582,590		
C	0,08	0,029	4,645	96,145		
	0,17	0,029	4,645	96,145		
	0,25	0,028	4,435	91,802		
	0,33	0,033	5,484	113,518		
	0,42	0,042	7,372	152,607		
	0,50	0,04	6,952	143,921		
	1,00	0,059	10,939	226,443		
	2,00	0,075	14,296	295,935		
	3,00	0,079	15,135	313,308		
	4,00	0,099	19,331	400,173		
	5,00	0,128	25,416	526,128		
	6,00	0,132	26,255	543,501		

Uji Pelepasan Formula 4

Batch	t (jam)	A	C (ppm)	C (µg/ cm^2)	$\bar{X}$ (µg/cm^2)	SD
A	0,08	0,015	1,707	35,339	48,36899	13,03
	0,17	0,014	1,497	30,996	46,92124	13,96
	0,25	0,014	1,497	30,996	44,02573	11,49
	0,33	0,021	2,966	61,399	64,29428	13,27
	0,42	0,022	3,176	65,742	64,29428	10,93
	0,50	0,021	2,966	61,399	71,53305	10,93
	1,00	0,049	8,841	183,010	156,9505	24,18
	2,00	0,051	9,260	191,697	184,4579	16,44
	3,00	0,056	10,309	213,413	210,5174	17,55
	4,00	0,063	11,778	243,816	236,577	12,54
	5,00	0,075	14,296	295,935	295,9349	26,06
	6,00	0,105	20,590	426,233	429,1283	30,51
B	0,08	0,021	2,966	61,399		
	0,17	0,02	2,756	57,056		
	0,25	0,019	2,546	52,712		
	0,33	0,025	3,805	78,772		
	0,42	0,024	3,595	74,429		
	0,50	0,026	4,015	83,115		
	1,00	0,042	7,372	152,607		
	2,00	0,045	8,002	165,637		
	3,00	0,051	9,260	191,697		
	4,00	0,058	10,729	222,099		
	5,00	0,081	15,555	321,994		
	6,00	0,113	22,269	460,979		
C	0,08	0,018	2,337	48,369		
	0,17	0,019	2,546	52,712		
	0,25	0,018	2,337	48,369		
	0,33	0,019	2,546	52,712		
	0,42	0,019	2,546	52,712		
	0,50	0,023	3,386	70,085		
	1,00	0,038	6,533	135,234		
	2,00	0,052	9,470	196,040		
	3,00	0,059	10,939	226,443		
	4,00	0,063	11,778	243,816		
	5,00	0,069	13,037	269,875		
	6,00	0,099	19,331	400,173		

Formula	Batch	Flux ($\mu g/cm^2/jam$)	$\bar{X}$	SD	*Cpss* (µg/mL)
F1	A	72,54	72,706	0,14	0,2077
	B	72,807			
	C	72,771			
F2	A	59,07	61,03733	3,04	0,1744
	B	64,533			
	C	59,509			
F3	A	76,739	78,499	2,04	0,2243
	B	80,737			
	C	78,021			
F4	A	58,248	56,741	2,26	0,1621
	B	57,835			
	C	54,14			

LAMPIRAN I

ANOVA *SWELLING INDEX*

Use your mouse to right click on individual cells for definitions.

Response 2 Swelling index

ANOVA for selected factorial model

Analysis of variance table [Partial sum of squares - Type III]

Source	Sum of Squares	df	Mean Square	F Value	p-value Prob > F
Model	0.79	3	0.26	8.85	0.0064
significant					
A-Carbomer	*0.71*	*1*	*0.71*	*23.98*	*0.0012*
B-Gliserin	*0.074*	*1*	*0.074*	*2.49*	*0.1535*
AB2.133E-003	*12.133E-003*		*0.072*	*0.7952*	
Pure Error	0.24	8	0.030		
Cor Total	1.02	11			

Final Equation in Terms of Coded Factors:

Swelling index = +1.90
+0.24 * A
+0.078 * B
+0.013 * A * B

Final Equation in Terms of Actual Factors:

Swelling index = +1.89500
+0.24333 * Carbomer
+0.078333 * Gliserin
+0.013333 * Carbomer * Gliserin

LAMPIRAN J

ANOVA *ADHESION TIME*

Use your mouse to right click on individual cells for definitions.

Response 1 Adhesion time

ANOVA for selected factorial model

Analysis of variance table [Partial sum of squares - Type III]

Source	Sum of Squares	df	Mean Square	F Value	p-value Prob > F
Model	12.25	3	4.08	108.29	< 0.0001
significant					
A-Carbomer	*1.63*	*1*	*1.63*	*43.31*	*0.0002*
B-Gliserin	*6.53*	*1*	*6.53*	*173.26*	*< 0.0001*
AB4.08	*1*	*4.08*	*108.29*	*< 0.0001*	
Pure Error	0.30	8	0.038		
Cor Total	12.55	11			

Final Equation in Terms of Coded Factors:

Adhesion time = +5.42
+0.58 * A
-0.58 * B
+0.58 * A * B

Final Equation in Terms of Actual Factors:

Adhesion time = +5.41667
+0.58333 * Carbomer
-0.58333 * Gliserin
+0.58333 * Carbomer * Gliserin

LAMPIRAN K

ANOVA PELEPASAN

Use your mouse to right click on individual cells for definitions.

Response 4 Release

ANOVA for selected factorial model

Analysis of variance table [Partial sum of squares - Type III]

Source	Sum of Squares	df	Mean Square	F Value	p-value Prob > F
Model	916.03	3	305.34	65.96	< 0.0001
significant					
A-Carbomer	*838.01*	*1*	*838.01*	*181.02*	*< 0.0001*
B-Gliserin	*1.68*	*1*	*1.68*	*0.36*	*0.5636*
AB76.35	*1*	*76.35*	*16.49*	*0.0036*	
Pure Error	37.04	8	4.63		
Cor Total	953.07	11			

Final Equation in Terms of Coded Factors:

Release = +67.25
-8.36 * A
+0.37 * B
-2.52 * A * B

Final Equation in Terms of Actual Factors:

Release = +67.24583
-8.35667 * Carbomer
+0.37417 * Gliserin
-2.52233 * Carbomer * Gliserin

LAMPIRAN L

SERTIFIKAT ANALISIS ATENOLOL

calao

Certificate of Analysis

CAS NO. 29122-68-7 - HS NO. 2924.29.90.90

Product:	*ATENOLOL*		
Batch No.:	AM20110038	*Mfg. date:*	March 2010
Quantity:	100 KG	*Exp. date:*	February 2015

Test	*Specifications*	*Results*
Appearance	A white or almost white powder	Conform
Solubility	Sparingly soluble in water, soluble in ethanol, slightly soluble in methylene chloride.	Conform
Identification	Identification A,B, D. a) Melting Point: 152°C to 155°C b) By UV: 1.15 TO 1.20 d) T.L.C.: to comply	154 °C. Conform Conform
Appearance of solution	1.0% w/v solution in water should be clear & not more intensely coloured than degree 6 of the range of reference solutions of the most appropriate colour.	Conform
Optical rotation	+ 0.10° to – 0.10°	+ 0.007°
Chlorides	NMT 0.1%	< 0.1%
Loss on drying	NMT 0.5% w/w	0.31%
Sulphated ash	NMT 0.1 % w/w	0.09%
Assay (On dry basis)	99.0 – 101.0% w/w	99.9%
Related substances	Any individual impurity: NTM 0.25% Total impurity: NMT 0.5%	0.05% 0.15%
Additional tests		
Bulk density (*) 1) Untapped 2) Tapped (By 50 strokes)	Informative	0.37 gm/ml 0.59 gm/ml

The product is conform to EP

(*) Bulk density determined as per in-house requirement

APPROVED

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LAMPIRAN M

TABEL UJI 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 N

TABEL UJI F

V_2 = dk penyebut	V_1 = dk pembilang																							
	1	2	3	4	5	6	7	8	9	10	11	12	14	16	20	24	30	40	50	75	100	200	500	∞
24	4,26 7,82	3,40 5,61	3,01 4,72	2,78 4,22	2,62 3,90	2,51 3,67	2,43 3,50	2,36 3,36	2,30 3,25	2,26 3,17	2,22 3,09	2,18 3,03	2,13 2,93	2,09 2,85	2,02 2,74	1,98 2,66	1,94 2,58	1,89 2,49	1,86 2,44	1,82 2,36	1,80 2,33	1,76 2,27	1,74 2,23	1,73 2,21
25	4,24 7,77	3,38 5,57	2,99 4,68	2,76 4,18	2,60 3,86	2,49 3,63	2,41 3,46	2,34 3,32	2,28 3,21	2,24 3,13	2,20 3,05	2,16 2,99	2,11 2,89	2,06 2,81	2,00 2,70	1,96 2,62	1,92 2,54	1,87 2,45	1,84 2,40	1,80 2,32	1,77 2,29	1,74 2,23	1,72 2,19	1,71 2,17
26	4,22 7,72	3,37 5,53	2,89 4,64	2,74 4,14	2,59 3,82	2,47 3,59	2,39 3,42	2,32 3,29	2,27 3,17	2,22 3,09	2,18 3,02	2,15 2,96	2,10 2,86	2,05 2,77	1,99 2,66	1,95 2,58	1,90 2,50	1,85 2,41	1,82 2,36	1,78 2,28	1,76 2,25	1,72 2,19	1,70 2,15	1,69 2,13
27	4,21 7,68	3,35 5,49	2,96 4,60	2,73 4,11	2,57 3,79	2,46 3,56	2,37 3,39	2,30 3,26	2,25 3,14	2,20 3,06	2,16 2,98	2,13 2,93	2,08 2,83	2,03 2,74	1,97 2,63	1,93 2,55	1,88 2,47	1,84 2,38	1,80 2,33	1,76 2,25	1,74 2,21	1,71 2,16	1,69 2,12	1,67 2,10
28	4,20 7,64	3,34 5,45	2,95 4,57	2,71 4,07	2,56 3,76	2,44 3,53	2,36 3,36	2,29 3,23	2,24 3,11	2,19 3,03	2,15 2,95	2,12 2,90	2,06 2,80	2,02 2,71	1,96 2,60	1,91 2,52	1,87 2,44	1,81 2,35	1,78 2,30	1,75 2,22	,72 2,18	1,69 2,13	1,67 2,09	1,65 2,06
29	4,18 7,60	3,33 5,52	2,93 4,54	2,70 4,04	2,54 3,73	2,43 3,50	2,35 3,33	2,28 3,20	2,22 3,08	2,18 3,00	2,14 2,92	2,10 2,87	2,05 2,77	2,00 2,68	1,94 2,57	1,90 2,49	1,85 2,41	1,80 2,32	1,77 2,27	1,73 2,19	1,71 2,15	1,68 2,10	1,65 2,06	1,64 2,03
30	4,17 7,56	3,32 5,39	2,92 4,51	2,69 4,02	2,53 3,70	2,42 3,47	2,34 3,30	2,27 3,17	2,21 3,06	2,16 2,98	2,12 2,90	2,09 2,84	2,04 2,74	1,99 2,66	1,93 2,55	1,89 2,47	1,84 2,38	1,79 2,29	1,76 2,24	1,72 2,16	1,69 2,13	1,66 2,07	1,64 2,03	1,62 2,01
32	4,15 7,50	3,30 5,34	2,90 4,46	2,67 3,97	2,51 3,66	2,40 3,42	2,32 3,25	2,25 3,12	2,19 3,01	2,14 2,94	2,10 2,86	2,07 2,80	2,02 2,70	1,97 2,62	1,91 2,51	1,86 2,42	1,82 2,34	1,76 2,25	1,74 2,20	1,69 2,12	1,67 2,08	1,64 2,02	1,61 1,98	1,59 1,96
34	4,13 7,44	3,28 5,29	2,88 4,42	2,65 3,93	2,49 3,61	2,38 3,38	2,30 3,21	2,23 3,08	2,17 2,97	2,12 2,89	2,08 2,82	2,05 2,76	2,00 2,66	1,95 2,58	1,89 2,47	1,84 2,38	1,80 2,30	1,74 2,21	1,71 2,15	1,67 2,08	1,64 2,04	1,61 1,98	1,59 1,94	1,57 1,91
36	4,11 7,39	3,26 5,25	2,80 4,38	2,63 3,89	2,48 3,58	2,36 3,35	2,28 3,18	2,21 3,04	2,15 2,94	2,10 2,86	2,06 2,78	2,03 2,72	1,98 2,62	1,93 2,54	1,87 2,43	1,82 2,35	1,78 2,26	1,72 2,17	1,69 2,12	1,65 2,04	1,62 2,00	1,59 1,94	1,56 1,90	1,55 1,87
38	4,10 7,35	3,25 5,21	2,85 4,34	2,62 3,86	2,46 3,54	2,35 3,32	2,26 3,15	2,19 3,02	2,14 2,91	2,09 2,82	2,05 2,75	2,02 2,69	1,96 2,59	1,92 2,51	1,85 2,40	1,80 2,32	1,76 2,22	1,71 2,14	1,67 2,08	1,63 2,00	1,60 1,97	1,57 1,90	1,54 1,86	1,53 1,84
40	4,08 7,31	3,23 5,18	2,84 4,31	2,61 3,83	2,45 3,51	2,34 3,29	2,25 3,12	2,18 2,99	2,12 2,88	2,07 2,80	2,04 2,73	2,00 2,66	1,95 2,56	1,90 2,49	1,84 2,37	1,79 2,29	1,74 2,20	1,69 2,11	1,66 2,05	1,61 1,97	1,59 1,94	1,55 1,88	1,53 1,84	1,51 1,81
42	4,07 7,27	3,22 5,15	2,83 4,29	2,59 3,80	2,44 3,49	2,32 3,26	2,24 3,10	2,17 2,96	2,11 2,86	2,06 2,77	2,02 2,70	1,99 2,64	1,94 2,54	1,89 2,46	1,82 2,35	1,78 2,26	1,73 2,17	1,68 2,08	1,64 2,02	1,60 1,94	1,57 1,91	1,54 1,85	1,51 1,80	1,49 1,78
44	4,06 7,24	3,21 5,12	2,82 4,26	2,58 3,78	2,43 3,46	2,31 3,24	2,23 3,07	2,16 2,94	2,10 2,84	2,05 2,75	2,01 2,68	1,98 2,62	1,92 2,52	1,88 2,44	1,81 2,32	1,78 2,24	1,72 2,15	1,68 2,06	1,63 2,00	1,58 1,92	1,56 1,88	1,52 1,82	1,50 1,78	1,48 1,75