TAFEL

A

TOT HET

BEREKENEN DER HOOGTEVERSCHILLEN

EN DER

HORIZONTALE AFSTANDEN IN DE KAART,

BIJ

METINGEN MET DEN KETTING.

SAMENGESTELD BIJ DE IX^DE AFDEELING VAN HET DEPARTEMENT VAN OORLOG
(TOPOGRAPHISCHE DIENST).

TAKAAN NASIONAL RI
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BATAVIA
JAVASCHE BOEKHANDEL EN DRUKKERIJ
1912.

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PERPUSTAKAAN NASIONAL
REPUBLIK INDONESIA

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V. 255

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JAVASCHE BOEKHANDEL EN DRUKKERIJ
1912.

BIBLIOTHEEK

PERPUSTAKAAN NASIONAL R.I.
Tanggal : 28-6-2020
Nomor Induk : 3510 / PN-Mus
NIB - ID : 0010-3284260
EM - ID : 03000840339
Asal : Museum Pusat

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INRICHTING EN GEBRUIK DER TAFEL.

De tafel bevat de hoogteverschillen h en de op de kaart uit te zetten horizontale afstanden a, uitgedrukt in meters, behoorende bij hellingshoeken kleiner dan 45° en bij de in de hoofden der kolommen vermelde afstanden, eveneens uitgedrukt in meters.

Elke bladzijde bestaat uit twee deelen:

het bovenste gedeelte bevat de hoogteverschillen h voor de opgegeven hellingshoeken, opklimmende met 2′;

het onderste gedeelte bevat de horizontale afstanden a voor de opgegeven hellingshoeken, opklimmende met 10′;

Komt de gemeten hellingshoek zelf niet in de tafel voor, dan gaat men voor het opzoeken der waarden h uit van den naastgrooteren, voor het opzoeken der waarden a van den naastbijgelegen — of als het cijfer der eenheden van de minuten een 5 is van den naastgrooteren — in de tafel voorkomenden hoek.

Is dus, de hellingshoek $\varkappa$ noemende, b. v. $\varkappa$ = 24° 17′, dan neemt men voor het opzoeken van h 24° 18′, van a 24° 20′; is $\varkappa$ = 20° 22′ dan zoekt men a bij 20° 20′; is $\varkappa$ = 16° 25′ dan wordt h gezocht bij 16° 26′ en a bij 16° 30′.

Komt de gemeten afstand niet in het hoofd van een der kolommen voor, dan splitst men dezen in honderdtallen, tientallen en eenheden. De waarden h en a behoorende bij de honderdtallen en tientallen vindt men rechtstreeks in de tafel; die behoorende bij de eenheden worden verkregen door de getallen, voorkomende in de kolommen der overeenkomstige tientallen, door 10 te deelen, waarbij het laatste cijfer minder dan 5 zijnde wordt weggelaten, terwijl als het 5 of grooter is het voorlaatste met een eenheid wordt vermeerderd. De verkregen getallen worden samengeteld; de voor a gevonden waarde wordt ten slotte tot geheele meters afgerond.

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VOORBEELDEN.

1. Gegeven: gemeten afstand 289 meter een hellingshoek 24°17′.

Bij 24°18′ is *h*	voor	200 M.	82,3 M.	
	voor	80 „	32,9 „	
	voor	9 „	3,7 „	nl. $\frac{37.0}{10}$
		Hoogteverschil	118,9 M.	
Bij 24°20′ is *a*	voor	200 M.	182,2 M.	
	voor	80 „	72,9 „	
	voor	9 „	8,2 „	nl. $\frac{82.0}{10}$
		Horizontale afstand	263,3 M.	
		of afgerond	263 M.	

---

2. Gegeven: gemeten afstand 353 meter en hellingshoek 20°22′.

Bij 20°22′ is *h*	voor	300 M.	104,4 M.	
	voor . . , .	50 „	17,4 „	
	voor	3 „	1,0 „	nl. $\frac{10.4}{10}$
		Hoogteverschil	122,8 M.	
Bij 20°20′ is *a*	voor	300 M.	182,3 M.	
	voor	50 „	46,9 „	
	voor	3 „	2,8 „	nl. $\frac{28.1}{10}$
		Horizontale afstand	331,0 M.	

---

3. Gegeven: gemeten afstand 293 meter en hellingshoek 16°25′.

Bij 16°26′ is *h*	voor	200 M.	56,6 M.	
	voor	90 „	25,5 „	
	voor	3 „	0,9 „	nl. $\frac{8.0}{10}$
		Hoogteverschil	83,0 M.	
Bij 16°30′ is *a*	voor	200 M.	191,8 M.	
	voor	90 „	86,3 „	
	voor . , . .	3 „	2,9 „	nl. $\frac{28.8}{10}$
		Horizontale afstand	281,0 M.	

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4. Gegeven: gemeten afstand 516 meter en hellingshoek 2°15′.

Bij 2°16′ is *h*	voor	300 M.	11,9 M.	
	voor	200 „	7,9 „	
	voor	10 „	0,4 „	
	voor	6 „	0,2 „	nl. $\frac{2.4}{10}$
	Hoogteverschil		20,4 M.	

Bij 2°20′ is *a*	voor	300 M.	299,8 M.	
	voor	200 „	198,8 „	
	voor	10 „	10,0 „	
	voor	6 „	6,0 „	nl. $\frac{60.0}{10}$
	Horizontale afstand		515,6 M.	
	of afgerond 516 M.			

In geval de hellingshoek meer bedraagt dan 45°, dan gaat men voor het berekenen van het hoogteverschil en van den horizontalen afstand als volgt te werk.

Men berekent het complement van den hellingshoek en zoekt nu met deze waarde in de tafel het hoogteverschil op in het gedeelte bestemd voor de berekening van *a* en den horizontalen afstand in dat, bestemd voor de berekening van *h*.

VOORBEELDEN.

5. Gegeven: gemeten afstand 78 meter en hellingshoek 54°36′.

Het complement van den hellingshoek is 35°24′.

Bij 35°20′ is *a*	voor	70 M.	57,1 M.
	voor	8 „	6,5 „
	Hoogteverschil		63,6 M.

Bij 35°24′ is *h*	voor	70 M.	40,5 M.
	voor	8 „	4,6 „
	Horizontale afstand		45.1 M.
	of afgerond 45 M.		

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6. Gegeven: gemeten afstand 54 meter en hellingshoek 51°24′.

Het complement van den hellingshoek is 38°36′.

Bij 38°40′ is *a*	voor	50 M.	39 M.
	voor	4 „	3,1 „
	Hoogteverschil		42,1 M.
Bij 38°36′ is *h*	voor	50 M.	31,2 M.
	voor	4 „	2,5 „
	Horizontale afstand		33,7 M.

of afgerond 34 M.

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0′
2′	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2′
4′	0.1	0.2	0.3	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	4′
6′	0.2	0.3	0.5	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	6′
8′	0.2	0.5	0.7	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	8′
10′	0.3	0.6	0.9	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	10′
12′	0.3	0.7	1.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	12′
14′	0.4	0.8	1.2	0.0	0.1	0 1	0.2	0.2	0.2	0.3	0.3	0.4	14′
16′	0.5	0.9	1.4	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	16′
18′	0.5	1.0	1.6	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	18′
20′	0.6	1.2	1.7	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	20′
22′	0.6	1.3	1.9	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.6	22′
24′	0.7	1.4	2.1	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	24′
26′	0.8	1.5	2.3	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	26′
28′	0.8	1.6	2.4	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.7	28′
30′	0.9	1.7	2.6	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	30′
32′	0.9	1.9	2.8	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.8	32′
34′	1.0	2.0	3.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	34′
36′	1.0	2.1	3.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	36′
38′	1.1	2.2	3.3	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	38′
40′	1.2	2.3	3.5	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	40′
42′	1.2	2.4	3.7	0.1	0.2	0.4	0.5	0.6	0.7	0.9	1.0	1.1	42′
44′	1.3	2.6	3.8	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	44′
46′	1.3	2.7	4.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.1	1.2	46′
48′	1.4	2.8	4.2	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	48′
50′	1.5	2.9	4.4	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	50′
52′	1.5	3.0	4.5	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	52′
54′	1.6	3.1	4.7	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.3	1.4	54′
56′	1.6	3.3	4.9	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	56′
58′	1.7	3.4	5.1	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	100.0	200.0	300.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	0′
10′	100.0	200.0	300.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	10′
20′	100.0	200.0	300.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	20′
30′	100.0	200.0	300.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	30′
40′	100.0	200.0	300.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	40′
50′	100.0	200.0	300.0	10.0	20.0	30.0	40.0	50.0	0.0	70.0	80.0	90.0	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	1.7	3.5	5.2	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	0′
2′	1.8	3.6	5.4	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.4	1.6	2′
4′	1.9	3.7	5.6	0.2	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.7	4′
6′	1.9	3.8	5.8	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.5	1.7	6′
8′	2.0	4.0	5.9	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	8′
10′	2.0	4.1	6.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	10′
12′	2.1	4.2	6.3	0.2	0.4	0.6	0.8	1.0	1.3	1.5	1.7	1.9	12′
14′	2.2	4.3	6.5	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	14′
16′	2.2	4.4	6.6	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.8	2.0	16′
18′	2.3	4.5	6.8	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	18′
20′	2.3	4.7	7.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	20′
22′	2.4	4.8	7.2	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	22′
24′	2.4	4.9	7.3	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.2	24′
26′	2.5	5.0	7.5	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	26′
28′	2.6	5.1	7.7	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	28′
30′	2.6	5.2	7.9	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.4	30′
32′	2.7	5.4	8.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	32′
34′	2.7	5.5	8.2	0,3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.5	34′
36′	2.8	5.6	8.4	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.2	2.5	36′
38′	2.9	5.7	8.6	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	38′
40′	2.9	5.8	8.7	0.3	0.6	0.9	1.2	1.5	1.7	2.0	2.3	2.6	40′
42′	3.0	5.9	8.9	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	42′
44′	3.0	6.1	9.1	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	44′
46′	3.1	6.2	9.2	0.3	0.6	0.9	1.2	1.5	1.8	2.2	2.5	2.8	46′
48′	3.1	6.3	9.4	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.8	48′
50′	3.2	6.4	9.6	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.6	2.9	50′
52′	3.3	6.5	9.8	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	52′
54′	3.3	6.6	9.9	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.0	54′
56′	3.4	6.7	10.1	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.7	3.0	56′
58′	3.4	6.9	10.3	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	100.0	200.0	300.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	0′
10′	100.0	200.0	299.9	10.0	20.0	30.0	40,0	50.0	60.0	70.0	80.0	90.0	10′
20′	100.0	199.9	299.9	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	20′
30′	100.0	199.9	299.9	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	30′
40′	100.0	199.9	299.9	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	40′
50′	99.9	199.9	299.8	10,0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	3.5	7.0	10.5	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	0′
2′	3.5	7.1	10.6	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.2	2′
4′	3.6	7.2	10.8	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.2	4′
6′	3.7	7.3	11.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	2.9	3.3	6′
8′	3.7	7.4	11.2	0.4	0.7	1.1	1.5	1.9	2.2	2.6	3.0	3.4	8′
10′	3.8	7.6	11.3	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	10′
12′	3.8	7.7	11.5	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	12′
14′	3.9	7.8	11.7	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	14′
16′	4.0	7.9	11.9	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	16′
18′	4.0	8.0	12.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	18′
20′	4.1	8.1	12.2	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	3.7	20′
22′	4.1	8.3	12.4	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	22′
24′	4.2	8.4	12.6	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.4	3.8	24′
26′	4.2	8.5	12.7	0.4	0.8	1.3	1.7	2.1	2.5	3.0	3.4	3.8	26′
28′	4.3	8.6	12.9	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.9	28′
30′	4.4	8.7	13.1	0.4	0.9	1.3	1.7	2.2	2.6	3.1	3.5	3.9	30′
32′	4.4	8.8	13.3	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.5	4.0	32′
34′	4.5	9.0	13.4	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0	34′
36′	4.5	9.1	13.6	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	36′
38′	4.6	9.2	13.8	0.5	0.9	1.4	1.8	2.3	2.8	3.2	3.7	4.1	38′
40′	4.7	9.3	14.0	0.5	0.9	1.4	1.9	2.3	2.8	3.3	3.7	4.2	40′
42′	4.7	9.4	14.1	0.5	0.9	1.4	1.9	2.4	2.8	3.3	3.8	4.2	42′
44′	4.8	9.5	14.3	0.5	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.3	44′
46′	4.8	9.7	14.5	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.9	4.3	46′
48′	4.9	9.8	14.7	0.5	1.0	1.5	2.0	2.4	2.9	3.4	3.9	4.4	48′
50′	4.9	9.9	14.8	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	50′
52′	5.0	10.0	15.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	52′
54′	5.1	10.1	15.2	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.6	54′
56′	5.1	10.2	15.4	0.5	1.0	1.5	2.0	2.6	3.1	3.6	4.1	4.6	56′
58′	5.2	10.4	15.5	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.7	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	99.9	199.9	299.8	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	89.9	0′
10′	99.9	199.9	299.8	10.0	20.0	30.0	40.0	50.0	60.0	69.9	79.9	89.9	10′
20′	99.9	199.8	299.8	10.0	20.0	30.0	40.0	50.0	60.0	69.9	79.9	89.9	20′
30′	99.9	199.8	299.7	10.0	20.0	30.0	40.0	50.0	59.9	69.9	79.9	89.9	30′
40′	99.9	199.8	299.7	10.0	20.0	30.0	40.0	49.9	59.9	69.9	79.9	89.9	40′
50′	99.9	199.8	299.6	10.0	20.0	30.0	40.0	49.9	59.9	69.9	79.9	89.9	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	5.2	10.5	15.7	0.5	1.0	1.6	2.1	2.6	3.1	3.7	4.2	4.7	0′
2′	5.3	10.6	15.9	0.5	1.1	1.6	2.1	2.6	3.2	3.7	4.2	4.8	2′
4′	5.3	10.7	16.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.3	4.8	4′
6′	5.4	10.8	16.2	0.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.9	6′
8′	5.5	10.9	16.4	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.4	4.9	8′
10′	5.5	11.0	16.6	0.5	1.1	1.7	2.2	2.8	3.3	3.9	4.4	5.0	10′
12′	5.6	11.2	16.7	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5	5.0	12′
14′	5.6	11.3	16.9	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.5	5.1	14′
16′	5.7	11.4	17.1	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.6	5.1	16′
18′	5.8	11.5	17.3	0.6	1.2	1.7	2.3	2.9	3.5	4.0	4.6	5.2	18′
20′	5.8	11.6	17.4	0.6	1.2	1.7	2.3	2.9	3.5	4.1	4.7	5.2	20′
22′	5.9	11.7	17.6	0.6	1.2	1.8	2.3	2.9	3.5	4.1	4.7	5.3	22′
24′	5.9	11.9	17.8	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.7	5.3	24′
26′	6.0	12.0	18.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	26′
28′	6.0	12.1	18.1	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	28′
30′	6.1	12.2	18.3	0.6	1.2	1.8	2.4	3.1	3.7	4.3	4.9	5.5	30′
32′	6.2	12.3	18.5	0.6	1.2	1.8	2.5	3.1	3.7	4.3	4.9	5.5	32′
34′	6.2	12.4	18.7	0.6	1.2	1.9	2.5	3.1	3.7	4.4	5.0	5.6	34′
36′	6.3	12.6	18.8	0.6	1.3	1.9	2.5	3.1	3.8	4.4	5.0	5.7	36′
38′	6.3	12.7	19.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.1	5.7	38′
40′	6.4	12.8	19.2	0.6	1.3	1.9	2.6	3.2	3.8	4.5	5.1	5.8	40′
42′	6.5	12.9	19.4	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.2	5.8	42′
44′	6.5	13.0	19.5	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.9	44′
46′	6.6	13.1	19.7	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.3	5.9	46′
48′	6.6	13.3	19.9	0.7	1.3	2.0	2.7	3.3	4.0	4.6	5.3	6.0	48′
50′	6.7	13.4	20.1	0.7	1.3	2.0	2.7	3.3	4.0	4.7	5.3	6.0	50′
52′	6.7	13.5	20.2	0.7	1.3	2.0	2.7	3.4	4.0	4.7	5.4	6.1	52′
54′	6.8	13.6	20.4	0.7	1.4	2.0	2.7	3.4	4.1	4.8	5.4	6.1	54′
56′	6.9	13.7	20.6	0.7	1.4	2.1	2.7	3.4	4.1	4.8	5.5	6.2	56′
58′	6.9	13.8	20.8	0.7	1.4	2.1	2.8	3.5	4.2	4.8	5.5	6.2	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	99.9	199.7	299.6	10.0	20.0	30.0	39.9	49.9	59.9	69.9	79.9	89.9	0′
10′	99.8	199.7	299.5	10.0	20.0	29.9	39.9	49.9	59.9	69.9	79.9	89.9	10′
20′	99.8	199.7	299.5	10.0	20.0	29.9	39.9	49.9	59.9	68.9	79.9	89.8	20′
30′	99.8	199.6	299.5	10.0	20.0	29.9	39.9	49.9	59.9	69.9	79.9	89.8	30′
40′	99.8	199.6	299.4	10.0	20.0	29.9	39.9	49.9	59.9	69.9	79.8	89.8	40′
50′	99.8	199.6	299.3	10.0	20.0	29.9	39.9	49.9	59.9	69.8	79.8	89.8	50′

PERPUSTAKAAN NASIONAL
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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0	7.0	14.0	20.9	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	0′
2′	7.0	14.1	21.1	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	2′
4′	7.1	14.2	21.3	0.7	1.4	2.1	2.8	3.5	4.3	5.0	5.7	6.4	4′
6′	7.1	14.3	21.4	0.7	1.4	2.1	2.9	3.6	4.3	5.0	5.7	6.4	6′
8′	7.2	14.4	21.6	0.7	1.4	2.2	2.9	3.6	4.3	5.0	5.8	6.5	8′
10′	7.3	14.5	21.8	0.7	1.5	2.2	2.9	3.6	4.4	5.1	5.8	6.5	10′
12′	7.3	14.6	22.0	0.7	1.5	2.2	2.9	3.7	4.4	5.1	5.9	6.6	12′
14′	7.4	14.8	22.1	0.7	1.5	2.2	3.0	3.7	4.4	5.2	5.9	6.6	14′
16′	7.4	14.9	22.3	0.7	1.5	2.2	3.0	3.7	4.5	5.2	6.0	6.7	16′
18′	7.5	15.0	22.5	0.7	1.5	2.2	3.0	3.7	4.5	5.2	6.0	6.7	18′
20′	7.6	15.1	22.7	0.8	1.5	2.3	3.0	3.8	4.5	5.3	6.0	6.8	20′
22′	7.6	15.2	22.8	0.8	1.5	2.3	3.0	3.8	4.6	5.3	6.1	6.9	22′
24′	7.7	15.3	23.0	0.8	1.5	2.3	3.1	3.8	4.6	5.4	6.1	6.9	24′
26′	7.7	15.5	23.2	0.8	1.5	2.3	3.1	3.9	4.6	5.4	6.2	7.0	26′
28′	7.8	15.6	23.4	0.8	1.6	2.3	3.1	3.9	4.7	5.5	6.2	7.0	28′
30′	7.8	15.7	23.5	0.8	1.6	2.4	3.1	3.9	4.7	5.5	6.3	7.1	30′
32′	7.9	15.8	23.7	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.3	7.1	32′
34′	8.0	15.9	23.9	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.2	34′
36′	8.0	16.0	24.1	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.2	36′
38′	8.1	16.2	24.2	0.8	1.6	2.4	3.2	4.0	4.8	5.7	6.5	7.3	38′
40′	8.1	16.3	24.4	0.8	1.6	2.4	3.3	4.1	4.9	5.7	6.5	7.3	40′
42′	8.2	16.4	24.6	0.8	1.6	2.5	3.3	4.1	4.9	5.7	6.6	7.4	42′
44′	8.3	16.5	24.8	0.8	1.7	2.5	3.3	4.1	5.0	5.8	6.6	7.4	44′
46′	8.3	16.6	24.9	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.6	7.5	46′
48′	8.4	16.7	25.1	0.8	1.7	2.5	3.3	4.2	5.0	5.9	6.7	7.5	48′
50′	8.4	16.9	25.3	0.8	1.7	2.5	3.4	4.2	5.1	5.9	6.7	7.6	50′
52′	8.5	17.0	25.5	0.8	1.7	2.5	3.4	4.2	5.1	5.9	6.8	7.6	52′
54′	8.5	17.1	25.6	0.9	1.7	2.6	3.4	4.3	5.1	6.0	6.8	7.7	54′
56′	8.6	17.2	25.8	0.9	1.7	2.6	3.4	4.3	5.2	6.0	6.9	7.7	56′
58′	8.7	17.3	26.0	0.9	1.7	2.6	3.5	4.3	5.2	6.1	6.9	7.8	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	99.8	199.5	299.3	10.0	20.0	29.9	39.9	49.9	59.9	69.8	79.8	89.8	0′
10′	99.7	199.5	299.2	10.0	19.9	29.9	39.9	49.9	59.8	69.8	79.8	89.8	10′
20′	99.7	199.4	299.1	10.0	19.9	29.9	39.9	49.9	59.8	69.8	79.8	89.7	20′
30′	99.7	199.4	299.1	10.0	19.9	29.9	39.9	49.8	59.8	69.8	79.8	89.7	30′
40′	99.7	199.3	299.0	10.0	19.9	29.9	39.9	49.8	59.8	69.8	79.7	89.7	40′
50′	99.6	199.3	298.9	10.0	19.9	29.9	39.9	49.8	59.8	69.8	79.7	89.7	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	8.7	17.4	26.1	0.9	1.7	2.6	3.5	4.4	5.2	6.1	7.0	7.8	0′
2′	8.8	17.5	26.3	0.9	1.8	2.6	3.5	4.4	5.3	6.1	7.0	7.9	2′
4′	8.8	17.7	26.5	0.9	1.8	2.6	3.5	4.4	5.3	6.2	7.1	7.9	4′
6′	8.9	17.8	26.7	0.9	1.8	2.7	3.6	4.4	5.3	6.2	7.1	8.0	6′
8′	8.9	17.9	26.8	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	8′
10′	9.0	18.0	27.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	10′
12′	9.1	18.1	27.2	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.3	8.2	12′
14′	9.1	18.2	27.4	0.9	1.8	2.7	3.6	4.6	5.5	6.4	7.3	8.2	14′
16′	9.2	18.4	27.5	0.9	1.8	2.8	3.7	4.6	5.5	6.4	7.3	8.3	16′
18′	9.2	18.5	27.7	0.9	1.8	2.8	3.7	4.6	5.5	6.5	7.4	8.3	18′
20′	9.3	18.6	27.9	0.9	1.9	2.8	3.7	4.6	5.6	6.5	7.4	8.4	20′
22′	9.4	18.7	28.1	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.5	8.4	22′
24′	9.4	18.8	28.2	0.9	1.9	2.8	3.8	4.7	5.6	6.6	7.5	8.5	24′
26′	9.5	18.9	28.4	0.9	1.9	2.8	3.8	4.7	5.7	6.6	7.6	8.5	26′
28′	9.5	19.1	28.6	1.0	1.9	2.9	3.8	4.8	5.7	6.7	7.6	8.6	28′
30′	9.6	19.2	28.8	1.0	1.9	2.9	3.8	4.8	5.8	6.7	7.7	8.6	30′
32′	9.6	19.3	28.9	1.0	1.9	2.9	3.9	4.8	5.8	6.7	7.7	8.7	32′
34′	9.7	19.4	29.1	1.0	1.9	2.9	3.9	4.9	5.8	6.8	7.8	8.7	34′
36′	9.8	19.5	29.3	1.0	2.0	2.9	3.9	4.9	5.9	6.8	7.8	8.8	36′
38′	9.8	19.6	29.4	1.0	2.0	2.9	3.9	4.9	5.9	6.9	7.9	8.8	38′
40′	9.9	19.7	29.6	1.0	2.0	3.0	3.9	4.9	5.9	6.9	7.9	8.9	40′
42′	9.9	19.9	29.8	1.0	2.0	3.0	4.0	5.0	6.0	7.0	7.9	8.9	42′
44′	10.0	20.0	30.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	44′
46′	10.0	20.1	30.1	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	46′
48′	10.1	20.2	30.3	1.0	2.0	3.0	4.0	5.1	6.1	7.1	8.1	9.1	48′
50′	10.2	20.3	30.5	1.0	2.0	3.0	4.1	5.1	6.1	7.1	8.1	9.1	50′
52′	10.2	20.4	30.7	1.0	2.0	3.1	4.1	5.1	6.1	7.2	8.2	9.2	52′
54′	10.3	20.6	30.8	1.0	2.1	3.1	4.1	5.1	6.2	7.2	8.2	9.3	54′
56′	10.3	20.7	31.0	1.0	2.1	3.1	4.1	5.2	6.2	7.2	8.3	9.3	56′
58′	10.4	20.8	31.2	1.0	2,1	3.1	4.2	5.2	6.2	7.3	8.3	9.4	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	99.6	199.2	298.9	10.0	19.9	29.9	39.8	49.8	59.8	69.7	79.7	89.7	0′
10′	99.6	199.2	298.8	10.0	19.9	29.9	39.8	49.8	59.8	69.7	79.7	89.6	10′
20′	99.6	199.1	298.7	10.0	19.9	29.9	39.8	49.8	59.7	69.7	79.7	89.6	20′
30′	99.5	199.1	298.6	10.0	19.9	29.9	39.8	49.8	59.7	69.7	79.6	89.6	30′
40′	99.5	199.0	298.5	10.0	19.9	29.9	39.8	49.8	59.7	69.7	79.6	89.6	40′
50′	99.5	199.0	298.4	9.9	19.9	29.8	39.8	49.7	59.7	69.6	79.6	89.5	50′

PERPUSTAKAAN NASIONAL
REPUBLIK INDONESIA

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	10.5	20.9	31.4	1.0	2.1	3.1	4.2	5.2	6.3	7 3	8.4	9.4	0′
2′	10.5	21.0	31.5	1.1	2.1	3.2	4.2	5.3	6 3	7.4	8.4	9.5	2′
4′	10.6	21.1	31.7	1.1	2.1	3.2	4.2	5.3	6.3	7 4	8.5	9.5	4′
6′	10.6	21.3	31.9	1.1	2.1	3.2	4.3	5.3	6.4	7.4	8.5	9.6	6′
8′	10.7	21.4	32.1	1.1	2.1	3.2	4.3	5.3	6.4	7.5	8.5	9.6	8′
10′	10.7	21.5	32.2	1.1	2.1	3.2	4.3	5.4	6.4	7.5	8.6	9.7	10′
12′	10.8	21.6	32.4	1.1	2.2	3.2	4.3	5.4	6.5	7 6	8.6	9.7	12′
14′	10.9	21.7	32.6	1.1	2.2	3.3	4.3	5.4	6.5	7.6	8.7	9 8	14′
16′	10.9	21.8	32.7	1.1	2.2	3.3	4.4	5.5	6.5	7.6	8.7	9.8	16′
18′	11.0	21.9	32.9	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.8	9.9	18′
20′	11 0	22.1	33.1	1.1	2.2	3.3	4.4	5.5	6.6	7 7	8 8	9.9	20′
22′	11.1	22.2	33 3	1 1	2.2	3.3	4.4	5.5	6.7	7 8	8.9	10.0	22′
24′	11.1	22.3	33.4	1.1	2.2	3.3	4.5	5.6	6.7	7.8	8.9	10.0	24′
26′	11.2	22.4	33.6	1.1	2.2	3.4	4.5	5.6	6.7	7.8	9.0	10.1	26′
28′	11.3	22.5	33.8	1.1	2 3	3.4	4.5	5.6	6.8	7.9	9.0	10 1	28′
30′	11.3	22.6	34.0	1.1	2 3	3.4	4.5	5.7	6.8	7.9	9.1	10.2	30′
32′	11.4	22.8	34.1	1.1	2.3	3.4	4.6	5.7	6.8	8.0	9.1	10.2	32
34′	11.4	22.9	34.3	1.1	2.3	3.4	4.6	5.7	6.9	8.0	9.1	10.3	34′
36′	11.5	23.0	34.5	1.1	2.3	3.4	4.6	5.7	6.9	8.0	9.2	10.3	36′
38′	11.6	23.1	34.7	1.2	2.3	3.5	4.6	5.8	6.9	8.1	9.2	10.4	38′
40′	11.6	23.2	34.8	1.2	2.3	3.5	4.6	5.8	7.0	8.1	9.3	10.4	40′
42′	11.7	23.3	35.0	1.2	2.3	3.5	4.7	5.8	7.0	8.2	9.3	10.5	42′
44′	11 7	23.5	35.2	1.2	2.3	3.5	4.7	5.9	7.0	8.2	9.4	10.6	44′
46′	11.8	23.6	35.3	1.2	2.4	3.5	4.7	5.9	7.1	8.2	9.4	10.6	46′
48′	11.8	23.7	35 5	1.2	2.4	3.6	4.7	5.9	7.1	8.3	9.5	10.7	48′
50′	11.9	23.8	35.7	1.2	2.4	3.6	4.8	5.9	7.1	8.3	9.5	10.7	50′
52′	12 0	23 9	35 9	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	52′
54′	12.0	24 0	36.0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10 8	54′
56′	12.1	24.1	36.2	1.2	2.4	3.6	4.8	6 0	7.2	8.5	9.7	10 9	56′
58′	12.1	24 3	36 4	1.2	2.4	3.6	4.9	6.1	7.3	8.5	9 7	10.9	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	99.5	198.9	298.4	9.9	19.9	29.8	39.8	49.7	59.7	69.6	79.6	89.5	0′
10′	99.4	198.8	298.3	9.9	19.9	29.8	39.8	49 7	59.7	69.6	79.5	89.5	10′
20′	99.4	198.8	298.2	9.9	19 9	29.8	39.8	49.7	59.6	69.6	79.5	89.5	20′
30′	99.4	198.7	298.1	9.9	19.9	29.8	39.7	49.7	59.6	69.6	79.5	89.4	30′
40′	99 3	198 6	298.0	9.9	19.9	29.8	39.7	49.7	59.6	69.5	79.5	89.4	40′
50′	99.3	198.6	297.9	9.9	19.9	29.8	39.7	49.6	59.6	69.5	79.4	89.4	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	12.2	24.4	36.6	1.2	2.4	3.7	4.9	6.1	7.3	8.5	9.7	11.0	0′
2′	12.2	24.5	36.7	1.2	2.4	3.7	4.9	6.1	7.3	8.6	9.8	11.0	2′
4′	12.3	24.6	36.9	1.2	2.5	3.7	4.9	6.2	7.4	8.6	9.8	11.1	4′
6′	12.4	24.7	37.1	1.2	2.5	3.7	4.9	6.2	7.4	8.7	9.9	11.1	6′
8′	12.4	24.8	37.3	1.2	2.5	3.7	5.0	6.2	7.5	8.7	9.9	11.2	8′
10′	12.5	25.0	37.4	1.2	2.5	3.7	5.0	6.2	7.5	8.7	10.0	11.2	10′
12′	12.5	25.1	37.6	1.3	2.5	3.8	5.0	6.3	7.5	8.8	10.0	11.3	12′
14′	12.6	25.2	37.8	1.3	2.5	3.8	5.0	6.3	7.6	8.8	10.1	11.3	14′
16′	12.6	25.3	37.9	1.3	2.5	3.8	5.1	6.3	7.6	8.9	10.1	11.4	16′
18′	12.7	25.4	38.1	1.3	2.5	3.8	5.1	6.4	7.6	8.9	10.2	11.4	18′
20′	12.8	25.5	38.3	1.3	2.6	3.8	5.1	6.4	7.7	8.9	10.2	11.5	20′
22′	12.8	25.6	38.5	1.3	2.6	3.8	5.1	6.4	7.7	9.0	10.3	11.5	22′
24′	12.9	25.8	38.6	1.3	2.6	3.9	5.2	6.4	7.7	9.0	10.3	11.6	24′
26′	12.9	25.9	38.8	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.3	11.6	26′
28′	13.0	26.0	39.0	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.4	11.7	28′
30′	13.1	26.1	39.2	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.4	11.7	30′
32′	13.1	26.2	39.3	1.3	2.6	3.9	5.2	6.6	7.9	9.2	10.5	11.8	32′
34′	13.2	26.3	39.5	1.3	2.6	4.0	5.3	6.6	7.9	9.2	10.5	11.9	34′
36′	13.2	26.5	39.7	1.3	2.6	4.0	5.3	6.6	7.9	9.3	10.6	11.9	36′
38′	13.3	26.6	39.9	1.3	2.7	4.0	5.3	6.6	8.0	9.3	10.6	12.0	38′
40′	13.3	26.7	40.0	1.3	2.7	4.0	5.3	6.7	8.0	9.3	10.7	12.0	40′
42′	13.4	26.8	40.2	1.3	2.7	4.0	5.4	6.7	8.0	9.4	10.7	12.1	42′
44′	13.5	26.9	40.4	1.3	2.7	4.0	5.4	6.7	8.1	9.4	10.8	12.1	44′
46′	13.5	27.0	40.5	1.4	2.7	4.1	5.4	6.8	8.1	9.5	10.8	12.2	46′
48′	13.6	27.1	40.7	1.4	2.7	4.1	5.4	6.8	8.1	9.5	10.9	12.2	48′
50′	13.6	27.3	40.9	1.4	2.7	4.1	5.5	6.8	8.2	9.5	10.9	12.3	50′
52′	13.7	27.4	41.1	1.4	2.7	4.1	5.5	6.8	8.2	9.6	10.9	12.3	52′
54′	13.7	27.5	41.2	1.4	2.7	4.1	5.5	6.9	8.2	9.6	11.0	12.4	54′
56′	13.8	27.6	41.4	1.4	2.8	4.1	5.5	6.9	8.3	9.7	11.0	12.4	56′
58′	13.9	27.7	41.6	1.4	2.8	4.2	5.5	6.9	8.3	9.7	11.1	12.5	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	99.3	198.5	297.8	9.9	19.9	29.8	39.7	49.6	59.6	69.5	79.4	89.3	0′
10′	99.2	198.4	297.7	9.9	19.8	29.8	39.7	49.6	59.5	69.5	79.4	89.3	10′
20′	99.2	198.4	297.5	9.9	19.8	29.8	39.7	49.6	59.5	69.4	79.3	89.3	20′
30′	99.1	198.3	297.4	9.9	19.8	29.7	39.7	49.6	59.5	69.4	79.3	89.2	30′
40′	99.1	198.2	297.3	9.9	19.8	29.7	39.6	49.6	59.5	69.4	79.3	89.2	40′
50′	99.1	198.1	297.2	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.3	89.2	50′

PERPUSTAKAAN NASIONAL
REPUBLIK INDONESIA

h	GEMETEN AFSTANDEN.											h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	13.9	27.8	41.8	1.4	2.8	4.2	5.6	7.0	8.4	9.7	11.1	12.5	0′
2′	14.0	28.0	41.9	1.4	2.8	4.2	5.6	7.0	8.4	9.8	11.2	12.6	2′
4′	14.0	28.1	42.1	1.4	2.8	4.2	5.6	7.0	8.4	9.8	11.2	12.6	4′
6′	14.1	28.2	42.3	1.4	2.8	4.2	5.6	7.0	8.5	9.9	11.3	12.7	6′
8′	14.1	28.3	42.4	1.4	2.8	4.2	5.7	7.1	8.5	9.9	11.3	12.7	8′
10′	14.2	28.4	42.6	1.4	2.8	4.3	5.7	7.1	8.5	9.9	11.4	12.8	10′
12′	14.3	28.5	42.8	1.4	2.9	4.3	5.7	7.1	8.6	10.0	11.4	12.8	12′
14′	14.3	28.6	43.0	1.4	2.9	4.3	5.7	7.2	8.6	10.0	11.5	12.9	14′
16′	14.4	28.8	43.1	1.4	2.9	4.3	5.8	7.2	8.6	10.1	11.5	12.9	16′
18	14.4	28.9	43.3	1.4	2.9	4.3	5.8	7.2	8.7	10.1	11.5	13.0	18′
20	14.5	29.0	43.5	1.4	2.9	4.3	5.8	7.2	8.7	10.1	11.6	13.0	20′
22	14.6	29.1	43.7	1.5	2.9	4.4	5.8	7.3	8.7	10.2	11.6	13.1	22′
24′	14.6	29.2	43.8	1.5	2.9	4.4	5.8	7.3	8.8	10.2	11.7	13.1	24′
26′	14.7	29.3	44.0	1.5	2.9	4.4	5.9	7.3	8.8	10.3	11.7	13.2	26′
28′	14.7	29.4	44.2	1.5	2.9	4.4	5.9	7.4	8.8	10.3	11.8	13.3	28′
30′	14.8	29.6	44.3	1.5	3.0	4.4	5.9	7.4	8.9	10.3	11.8	13.3	30′
32′	14.8	29.7	44.5	1.5	3.0	4.5	5.9	7.4	8.9	10.4	11.9	13.4	32′
34′	14.9	29.8	44.7	1.5	3.0	4.5	6.0	7.4	8.9	10.4	11.9	13.4	34′
36′	15.0	29.9	44.9	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	36′
38′	15.0	30.0	45.0	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	38′
40′	15.1	30.1	45.2	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.1	13.6	40′
42′	15.1	30.3	45.4	1.5	3.0	4.5	6.1	7.6	9.1	10.6	12.1	13.6	42′
44′	15.2	30.4	45.6	1.5	3.0	4.6	6.1	7.6	9.1	10.6	12.1	13.7	44′
46′	15.2	30.5	45.7	1.5	3.0	4.6	6.1	7.6	9.1	10.7	12.2	13.7	46′
48′	15.3	30.6	45.9	1.5	3.1	4.6	6.1	7.6	9.2	10.7	12.2	13.8	48′
50′	15.4	30.7	46.1	1.5	3.1	4.6	6.1	7.7	9.2	10.7	12.3	13.8	50′
52′	15.4	30.8	46.2	1.5	3.1	4.6	6.2	7.7	9.2	10.8	12.3	13.9	52′
54′	15.5	30.9	46.4	1.5	3.1	4.6	6.2	7.7	9.3	10.8	12.4	13.9	54′
56′	15.5	31.1	46.6	1.6	3.1	4.7	6.2	7.8	9.3	10.9	12.4	14.0	56′
58′	15.6	31.2	46.8	1.6	3.1	4.7	6.2	7.8	9.4	10.9	12.5	14.0	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	99.0	198.1	297.1	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.2	89.1	0′
10′	99.0	198.0	297.0	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.2	89.1	10′
20′	98.9	197.9	296.8	9.9	19.8	29.7	39.6	49.5	59.4	69.3	79.2	89.0	20′
30′	98.9	197.8	296.7	9.9	19.8	29.7	39.6	49.5	59.3	69.2	79.1	89.0	30′
40′	98.9	197.7	296.6	9.9	19.8	29.7	39.5	49.4	59.3	69.2	79.1	89.0	40′
50′	98.8	197.6	296.4	9.9	19.8	29.6	39.5	49.4	59.3	69.2	79.1	88.9	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	15.6	31.3	46.9	1.6	3.1	4.7	6.3	7.8	9.4	11.0	12.5	14.1	0′
2′	15.7	31.4	47.1	1.6	3.1	4.7	6.3	7.9	9.4	11.0	12.6	14.1	2′
4′	15.8	31.5	47.3	1.6	3.2	4.7	6.3	7.9	9.5	11.0	12.6	14.2	4′
6′	15.8	31.6	47.5	1.6	3.2	4.7	6.3	7.9	9.5	11.1	12.7	14.2	6′
8′	15.9	31.7	47.6	1.6	3.2	4.8	6.3	7.9	9.5	11.1	12.7	14.3	8′
10′	15.9	31.9	47.8	1.6	3.2	4.8	6.4	8.0	9.6	11.2	12.7	14.3	10′
12′	16.0	32.0	48.0	1.6	3.2	4.8	6.4	8.0	9.6	11.2	12.8	14.4	12′
14′	16.0	32.1	48.1	1.6	3.2	4.8	6.4	8.0	9.6	11.2	12.8	14.4	14′
16′	16.1	32.2	48.3	1.6	3.2	4.8	6.4	8.1	9.7	11.3	12.9	14.5	16′
18′	16.2	32.3	48.5	1.6	3.2	4.8	6.5	8.1	9.7	11.3	12.9	14.5	18′
20′	16.2	32.4	48.7	1.6	3.2	4.9	6.5	8.1	9.7	11.4	13.0	14.6	20′
22′	16.3	32.6	48.8	1.6	3.3	4.9	6.5	8.1	9.8	11.4	13.0	14.6	22′
24′	16.3	32.7	49.0	1.6	3.3	4.9	6.5	8.2	9.8	11.4	13.1	14.7	24′
26′	16.4	32.8	49.2	1.6	3.3	4.9	6.6	8.2	9.8	11.5	13.1	14.8	26′
28′	16.4	32.9	49.3	1.6	3.3	4.9	6.6	8.2	9.9	11.5	13.2	14.8	28′
30′	16.5	33.0	49.5	1.7	3.3	5.0	6.6	8.3	9.9	11.6	13.2	14.9	30′
32′	16.6	33.1	49.7	1.7	3.3	5.0	6.6	8.3	9.9	11.6	13.2	14.9	32′
34′	16.6	33.2	49.9	1.7	3.3	5.0	6.6	8.3	10.0	11.6	13.3	15.0	34′
36′	16.7	33.4	50.0	1.7	3.3	5.0	6.7	8.3	10.0	11.7	13.3	15.0	36′
38′	16.7	33.5	50.2	1.7	3.3	5.0	6.7	8.4	10.0	11.7	13.4	15.1	38′
40′	16.8	33.6	50.5	1.7	3.4	5.0	6.7	8.4	10.1	11.8	13.4	15.1	40′
42′	16.8	33.7	50.5	1.7	3.4	5.1	6.7	8.4	10.1	11.8	13.5	15.2	42′
44′	16.9	33.8	50.7	1.7	3.4	5.1	6.8	8.5	10.1	11.8	13.5	15.2	44′
46′	17.0	33.9	50.9	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6	15.3	46′
48′	17.0	34.0	51.1	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6	15.3	48′
50′	17.1	34.2	51.2	1.7	3.4	5.1	6.8	8.5	10.2	12.0	13.7	15.4	50′
52′	17.1	34.3	51.4	1.7	3.4	5.1	6.9	8.6	10.3	12.0	13.7	15.4	52′
54′	17.2	34.4	51.6	1.7	3.4	5.2	6.9	8.6	10.3	12.0	13.8	15.5	54′
56′	17.3	34.5	51.8	1.7	3.5	5.2	6.9	8.6	10.4	12.1	13.8	15.5	56′
58′	17.3	34.6	51.9	1.7	3.5	5.2	6.9	8.7	10.4	12.1	13.8	15.6	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	98.8	197.5	296.3	9.9	19.8	29.6	39.5	49.4	59.3	69.1	79.0	88.9	0′
10′	98.7	197.4	296.2	9.9	19.7	29.6	39.5	49.4	59.2	69.1	79.0	88.9	10′
20′	98.7	197.4	296.0	9.9	19.7	29.6	39.5	49.3	59.2	69.1	78.9	88.8	20′
30′	98.6	197.3	295.9	9.9	19.7	29.6	39.5	49.3	59.2	69.0	78.9	88.8	30′
40′	98.6	197.2	295.7	9.9	19.7	29.6	39.4	49.3	59.1	69.0	78.9	88.7	40′
50′	98.5	197.1	295.6	9.9	19.7	29.6	39.4	49.3	59.1	69.0	78.9	88.7	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	17.4	34 7	52.1	1.7	3.5	5.2	6.9	8.7	10.4	12.2	13.9	15.6	0′
2′	17.4	34.8	52.3	1.7	3.5	5.2	7.0	8.7	10.5	12.2	13.9	15.7	2′
4′	17.5	35.0	52.4	1.7	3.5	5.2	7.0	8.7	10.5	12.2	14.0	15.7	4′
6′	17.5	35.1	52.6	1.8	3.5	5.3	7.0	8.8	10.5	12.3	14.0	15.8	6′
8′	17.6	35.2	52.8	1.8	3.5	5.3	7.0	8.8	10.6	12.3	14.1	15 8	8′
10′	17.7	35.3	53.0	1.8	3.5	5.3	7.1	8.8	10.6	12.4	14.1	15.9	10′
12′	17.7	35.4	53.1	1.8	3.5	5.3	7.1	8.9	10.6	12.4	14.2	15.9	12′
14′	17.8	35.5	53.3	1.8	3 6	5.3	7.1	8.9	10.7	12.4	14.2	16.0	14′
16′	17.8	35.6	53.5	1.8	3.6	5.3	7.1	8.9	10.7	12.5	14.3	16.0	16′
18′	17.9	35.8	53.6	1.8	3.6	5.4	7.2	8.9	10.7	12.5	14.3	16.1	18′
20′	17.9	35.9	53.8	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.1	20′
22′	18.0	36.0	54.0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	22′
24′	18.1	36.1	54.2	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	24′
26′	18.1	36.2	54.3	1.8	3.6	5.4	7.2	9.1	10.9	12.7	14.5	16.3	26′
28′	18.2	36.3	54.5	1.8	3.6	5.4	7.3	9.1	10.9	12 7	14.5	16.3	28′
30′	18.2	36.4	54.7	1.8	3.6	5.5	7.3	9.1	10.9	12.8	14.6	16.4	30′
32′	18.3	36.6	54.8	1.8	3.6	5.5	7 3	9.1	11.0	12.8	14.6	16.5	32′
34′	18.3	36.7	55.0	1.8	3.6	5.5	7.3	9.2	11.0	12.8	14 7	16.5	34′
36′	18.4	36.8	55.2	1.8	3.6	5.5	7.4	9.2	11.0	12.9	14.7	16.6	36′
38′	18.5	36.9	55.4	1.8	3.7	5.5	7.4	9.2	11.1	12.9	14.8	16.6	38′
40′	18.5	37.0	55.5	1.9	3.7	5.6	7.4	9.3	11.1	13.0	14.8	16.7	40′
42′	18.6	37.1	55.7	1.9	3.7	5.6	7.4	9.3	11.1	13.0	14.9	16.7	42′
44′	18.6	37.2	55.9	1.9	3.7	5.6	7.4	9.3	11.2	13.0	14.9	16.8	44′
46′	18.7	37.4	56.0	1.9	3.7	5.6	7.5	9.3	11.2	13.1	14.9	16.8	46′
48′	18.7	37.5	56.2	1.9	3.7	5.6	7.5	9.4	11.2	13.1	15.0	16.9	48′
50′	18.8	37.6	56.4	1.9	3.8	5.6	7.5	9.4	11.3	13.2	15.0	16.9	50′
52′	18.9	37.7	56.6	1.9	3.8	5.7	7.5	9.4	11.3	13.2	15.1	17.0	52′
54′	18.9	37.8	56.7	1.9	3.8	5.7	7.6	9.5	11.3	13.2	15.1	17.0	54′
56′	19.0	37.9	56.9	1.9	3.8	5.7	7.6	9.5	11.4	13.3	15.2	17.1	56′
58′	19.0	38.0	57.1	1.9	3.8	5.7	7.6	9.5	11.4	13.3	15.2	17.1	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	98.5	197.0	295.4	9.8	19.7	29.5	39.4	49.2	59.1	68.9	78.8	88.6	0′
10′	98.4	196.9	295.3	9.8	19.7	29.5	39.4	49.2	59.1	68.9	78.7	88.6	10′
20′	98 4	196.8	295.1	9.8	19.7	29.5	39.4	49.2	59.0	68.9	78.7	88.5	20′
30′	98.3	196.7	295.0	9.8	19.7	29.5	39.3	49.2	59.0	68.8	78.7	88.5	30′
40′	98.3	196.5	294.8	9.8	19.7	29.5	39.3	49.1	59.0	68.8	78.6	88.4	40′
50′	98.2	196.4	294,7	9.8	19.6	29.5	39.3	49.1	58.9	68.8	78.6	88,4	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	19.1	38.2	57.2	1.9	3.8	5.7	7.6	9.5	11.4	13.4	15.3	17.2	0′
2′	19.1	38.3	57.4	1.9	3.8	5.7	7.7	9.6	11.5	13.4	15.3	17.2	2′
4′	19.2	38.4	57.6	1.9	3.8	5.8	7.7	9.6	11.5	13.4	15.4	17.3	4′
6′	19.3	38.5	57.8	1.9	3.9	5.8	7.7	9.6	11.6	13.5	15.4	17.3	6′
8′	19.3	38.6	57.9	1.9	3.9	5.8	7.7	9.7	11.6	13.5	15.4	17.4	8′
10′	19.4	38.7	58.1	1.9	3.9	5.8	7.7	9.7	11.6	13.6	15.5	17.4	10′
12′	19.4	38.8	58.3	1.9	3.9	5.8	7.8	9.7	11.7	13.6	15.5	17.5	12′
14′	19.5	39.0	58.4	1.9	3.9	5.8	7.8	9.7	11.7	13.6	15.6	17.5	14′
16′	19.5	39.1	58.6	2.0	3.9	5.9	7.8	9.8	11.7	13.7	15.6	17.6	16′
18′	19.6	39.2	58.8	2.0	3.9	5.9	7.8	9.8	11.8	13.7	15.7	17.6	18′
20′	19.7	39.3	59.0	2.0	3.9	5.9	7.9	9.8	11.8	13.8	15.7	17.7	20′
22′	19.7	39.4	59.1	2.0	3.9	5.9	7.9	9.9	11.8	13.8	15.8	17.7	22′
24′	19.8	39.5	59.3	2.0	4.0	5.9	7.9	9.9	11.9	13.8	15.8	17.8	24′
26′	19.8	39.6	59.5	2.0	4.0	5.9	7.9	9.9	11.9	13.9	15.9	17.8	26′
28′	19.9	39.8	59.6	2.0	4.0	6.0	8.0	9.9	11.9	13.9	15.9	17.9	28′
30′	19.9	39.9	59.8	2.0	4.0	6.0	8.0	10.0	12.0	14.0	15.9	17.9	30′
32′	20.0	40.0	60.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	32′
34′	20.1	40.1	60.2	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	34′
36′	20.1	40.2	60.3	2.0	4.0	6.0	8.0	10.1	12.1	14.1	16.1	18.1	36′
38′	20.2	40.3	60.5	2.0	4.0	6.0	8.1	10.1	12.1	14.1	16.1	18.1	38′
40′	20.2	40.4	60.7	2.0	4.0	6.1	8.1	10.1	12.1	14.2	16.2	18.2	40′
42′	20.3	40.6	69.8	2.0	4.1	6.1	8.1	10.1	12.2	14.2	16.2	18.3	42′
44′	20.3	40.7	61.0	2.0	4.1	6.1	8.1	10.2	12.2	14.2	16.3	18.3	44′
46′	20.4	40.8	61.2	2.0	4.1	6.1	8.2	10.2	12.2	14.3	16.3	18.4	46′
48′	20.4	40.9	61.3	2.0	4.1	6.1	8.2	10.2	12.3	14.3	16.4	18.4	48′
50′	20.5	41.0	61.5	2.1	4.1	6.2	8.2	10.3	12.3	14.4	16.4	18.5	50′
52′	20.6	41.1	61.7	2.1	4.1	6.2	8.2	10.3	12.3	14.4	16.5	18.5	52′
54′	20.6	41.2	61.9	2.1	4.1	6.2	8.2	10.3	12.4	14.4	16.5	18.6	54′
56′	20.7	41.4	62.0	2.1	4.1	6.2	8.3	10.3	12.4	14.5	16.5	18.6	56′
58′	20.7	41.5	62.2	2.1	4.1	6.2	8.3	10.4	12.4	14.5	16.6	18.7	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	08.2	196.3	294.5	9.8	19.6	29.4	39.3	49.1	58.9	68.7	78.5	88.3	0′
10′	98.1	196.2	294.2	9.8	19.6	29.4	39.2	49.1	58.9	68.7	78.5	88.3	10′
20′	98.1	196.1	294.3	9.8	19.6	29.4	39.2	49.0	58.8	68.6	78.4	88.2	20′
30′	98.0	196.0	294.0	9.8	19.6	29.4	39.2	49.0	58.8	68.6	78.4	88.2	30′
40′	97.9	195.9	293.8	9.8	19.6	29.4	39.2	49.0	58.8	68.6	78.3	88.1	40′
50′	97.9	195.8	293.6	9.8	19.6	29.4	39.1	48.9	58.7	68.5	78.3	88.1	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	20.8	41.6	62.4	2.1	4.2	6.2	8.3	10.4	12.5	14.6	16.6	18.7	0′
2′	20.8	41.7	62.5	2.1	4.2	6.3	8.3	10.4	12.5	14.6	16.7	18.8	2′
4′	20.9	41.9	62.7	2.1	4.2	6.3	8.4	10.5	12.5	14.6	16.7	18.8	4′
6′	21.0	41.9	62.9	2.1	4.2	6.3	8.4	10.5	12.6	14.7	16.8	18.9	6′
8′	21.0	42.0	63.1	2.1	4.2	6.3	8.4	10.5	12.6	14.7	16.8	18.9	8′
10′	21.1	42.2	63.2	2.1	4.2	6.3	8.4	10.5	12.6	14.8	16.9	19.0	10′
12′	21.1	42.3	63.4	2.1	4.2	6.3	8.5	10.6	12.7	14.8	16.9	19.0	12′
14′	21.2	42.4	63.6	2.1	4.2	6.4	8.5	10.6	12.7	14.8	17.0	19.1	14′
16′	21.2	42.5	63.7	2.1	4.2	6.4	8.5	10.6	12.7	14.9	17.0	19.1	16′
18′	21.3	42.6	63.9	2.1	4.3	6.4	8.5	10.7	12.8	14.9	17.0	19.2	18′
20′	21.4	42.7	64.1	2.1	4.3	6.4	8.5	10.7	12.8	15.0	17.1	19.2	20′
22′	21.4	42.8	64.3	2.1	4.3	6.4	8.6	10.7	12.9	15,0	17.1	19.3	22,
24′	21.5	42.9	64.4	2.1	4.3	6.4	8.6	10.7	12.9	15.0	17.2	19.3	24′
26′	21.5	43.1	64.6	2.2	4.3	6.5	8.6	10.8	12.9	15.1	17.2	19.4	26′
28′	21.6	43.2	64.8	2.2	4.4	6 5	8.6	10.8	13.0	15.1	17.3	19.4	28′
30′	21.6	43.3	64.9	2.2	4.3	6.5	8.7	10.8	13.0	15.2	17.3	19.5	30
32′	21.7	43.4	65.1	2.2	4.3	6.5	8.7	10.9	13.0	15.2	17.4	19.5	32
34′	21.8	43.5	65.3	2 2	4.4	6.5	8.7	10.9	13.1	15.2	17.4	19.6	34
36′	21.8	43.6	65.4	2.2	4.4	6.5	8.7	10.9	13.1	15.3	17.5	19 6	36′
38′	21.9	43.7	65.6	2.2	4.4	6.6	8.7	10.9	13.1	15.3	17.5	19.7	38′
40′	21.9	43 9	65.8	2.2	4.4	6.6	8.8	11.0	13.2	15.3	17.5	19.7	40′
42′	22.0	44.0	66.0	2.2	4.4	6.6	8.8	11.0	13.2	15.4	17.6	19.8	42
44′	22.0	44.1	66.1	2.2	4.4	6.6	8.8	11.0	13.2	15.4	17.6	19.8	44
46′	22.1	44.2	66.3	2.2	4.4	6.6	8.8	11.0	13.3	15.5	17.7	19,9	46
48′	22.2	44.3	66.5	2.2	4.4	6.6	8.9	11.1	13.3	15.5	17,7	19.9	48′
50′	22.2	44.4	66.6	2.2	4.4	6.7	8.9	11.1	13.3	15.5	17.8	20.0	50′
52′	22.3	44.5	66.8	2.2	4.5	6.7	8.9	11.1	13.4	15.6	17.8	20.0	52′
54′	22.3	44.7	67.0	2.2	4.5	6.7	8.9	11.2	13.4	15.6	17.9	20.1	54′
56′	22.4	44.8	67.1	2.2	4.5	6.7	9.0	11.2	13,4	15.7	17.9	20.1	56′
58′	22.4	44.9	67.3	2.2	4.5	6.7	9.0	11.2	13.5	15.7	18.0	20.2	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	97.8	195.6	293.4	9.8	19.6	29.3	39.1	48.9	58.7	68.5	78.3	88.0	0′
10′	97.8	195.5	293.3	9.8	19.6	29.3	39.1	48.9	58.7	68.4	78.2	88.0	10′
20′	97.7	195.4	293.1	9.8	19.5	29.3	39.1	48.9	58.6	68.4	78.2	87.9	20′
30′	97.6	195.3	292.9	9.8	19.5	29.3	39.1	48.8	58.6	68.3	78.1	87.9	30′
40′	97.6	195.1	292.7	9.8	19.5	29.3	39.0	48.8	58.5	68.3	78.1	87.8	40′
50′	97.5	195.0	292·5	9.8	19.5	29.3	38.0	48.8	58.5	68.3	78.0	87.8	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	22.5	45.0	67.5	2.2	4.5	6.7	9.0	11.2	13.5	15.7	18.0	20.2	0′
2′	22.6	45.1	67.7	2.3	4.5	6.8	9.0	11.3	13.5	15.8	18.0	20.3	2′
4′	22.6	45.2	67.8	2.3	4.5	6.8	9.0	11.3	13.6	15.8	18.1	20.3	4′
6′	22.7	45.3	68.0	2.3	4.5	6.8	9.1	11.3	13.6	15.9	18.1	20.4	6′
8′	22.7	45.4	68.2	2.3	4.5	6.8	9.1	11.4	13.6	15.9	18.2	20.4	8′
10′	22.8	45.6	68.3	2.3	4.6	6.8	9.1	11.4	13.7	15.9	18.2	20.5	10′
12′	22.8	45.7	68.5	2.3	4.6	6.9	9.1	11.4	13.7	16.0	18.3	20.6	12′
14′	22.9	45.8	68.7	2.3	4.6	6.9	9.2	11.4	13.7	16.0	18.3	20.6	14′
16′	22.9	45.9	68.8	2.3	4.6	6.9	9.2	11.5	13.8	16.1	18.4	20.7	16′
18′	23.0	46.0	69.0	2.3	4.6	6.9	9.2	11.5	13.8	16.1	18.4	20.7	18
20′	23.1	46.1	69.2	2.3	4.6	6.9	9.2	11.5	13.8	16.1	18.4	20.8	20
22′	23.1	46.2	69.4	2.3	4.6	6.9	9.2	11.6	13.9	16.2	18.5	20.8	22
24′	23.2	46.4	69.5	2.3	4.6	7.0	9.3	11.6	13.9	16.2	18.5	20.9	24′
26′	23.2	46.5	69.7	2.3	4.6	7.0	9.3	11.6	13.9	16.3	18.6	20.9	26′
28′	23.3	46.6	69.9	2.3	4.7	7.0	9.3	11.6	14.0	16.3	18.6	21.0	28′
30′	23.3	46.7	70.0	2.3	4.7	7.0	9.3	11.7	14.0	16.3	18.7	21.0	30′
32′	23.4	46.8	70.2	2.3	4.7	7.0	9.4	11.7	14.0	16.4	18.7	21.1	32′
34′	23.5	46.9	70.4	2.3	4.7	7.0	9.4	11.7	14.1	16.4	18.8	21.1	34′
36′	23.5	47.0	70.5	2.4	4.7	7.1	9.4	11.8	14.1	16.5	18.8	21.2	36′
38′	23.6	47.1	70.7	2.4	4.7	7.1	9.4	11.8	14.1	16.5	18.9	21.2	38′
40′	23.6	47.3	70.9	2.4	4.7	7.1	9.5	11.8	14.2	16.5	18.9	21.3	40′
42′	23.7	47.4	71.1	2.4	4.7	7.1	9.5	11.8	14.2	16.6	18.6	21.3	42′
44′	23.7	47.5	71.2	2.4	4.7	7.1	9.5	11.9	14.2	16.6	19.0	21.4	44′
46′	23.8	47.6	71.4	2.4	4.8	7.1	9.5	11.9	14.3	16.7	19.0	21.4	46′
48′	23.9	47.7	71.6	2.4	4.8	7.2	9.5	11.9	14.3	16.7	19.1	21.5	48′
50′	23.9	47.8	71.7	2.4	4.8	7.2	9.6	12.0	14.3	16.7	19.1	21.5	50′
52′	24.0	47.9	71.9	2.4	4.8	7.2	9.6	12.0	14.4	16.8	19.2	21.6	52′
54′	24.0	48.0	72.1	2.4	4.8	7.2	9.6	12.0	14.4	16.8	19.2	21.6	54′
56′	24.1	48.2	72.2	2.4	4.8	7.2	9.6	12.0	14.4	16.9	19.3	21.7	56′
58′	24.1	48.3	72.4	2.4	4.8	7.2	9.7	12.1	14.5	16.9	19.3	21.7	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	97.4	194.9	292.3	9.7	19.5	29.2	39.0	48.7	58.5	68.2	77.9	87.7	0′
10′	97.4	194.7	292.1	9.7	19.5	29.2	38.9	48.7	58.4	68.2	77.9	87.6	10′
20′	97.3	194.6	291.9	9.7	19.5	29.2	38.9	48.7	58.4	68.1	77.8	87.6	20′
30′	97.2	194.5	291.7	9.7	19.4	29.2	38.9	48.6	58.3	68.1	77.8	87.5	30′
40′	97.2	194.3	291.5	9.7	19.4	29.2	38.9	48.6	58.3	68.0	77.7	87.5	40′
50′	97.1	194.2	291.3	9.7	19.4	29.1	38.8	48.5	58.3	68.0	77.7	87.4	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	24.2	48.4	72.6	2.4	4.8	7.3	9.7	12.1	14.5	16.9	19.4	21.8	0′
2′	24.2	48.5	72.7	2.4	4.8	7.3	9.7	12.1	14.5	17.0	19.4	21.8	2′
4′	24.3	48.6	72.9	2.4	4.9	7.3	9.7	12.2	14.6	17.0	19.4	21.9	4′
6′	24.4	48.7	73.1	2.4	4.9	7.3	9.7	12.2	14.6	17.1	19.5	21.9	6′
8′	24.4	48.8	73.3	2.4	4.9	7.3	9.8	12.2	14.7	17.1	19.5	22.0	8′
10′	24.5	48.9	73.4	2.4	4.9	7.3	9.8	12.2	14.7	17.1	19.6	22.0	10′
12′	24.5	49.1	73.6	2.5	4.9	7.4	9.8	12.3	14.7	17.2	19.6	22.1	12′
14′	24.6	49.2	73.8	2.5	4.9	7.4	9.8	12.3	14.8	17.2	19.7	22.1	14′
16′	24.6	49.3	73.9	2.5	4.9	7.4	9.9	12.3	14.8	17.3	19.7	22.2	16′
18′	24.7	49.4	74.1	2.5	4.9	7.4	9.9	12.3	14.8	17.3	19.8	22.2	18′
20′	24.8	49.5	74.3	2.5	5.0	7.4	9.9	12.4	14.9	17.3	19.8	22.3	20′
22′	24.8	49.6	74.4	2.5	5.0	7.4	9.9	12.4	14.9	17.4	19.9	22.3	22′
24′	24.9	49.7	74.6	2.5	5.0	7.5	9.9	12.4	14.9	17.4	19.9	22.4	24′
26′	24.9	49.9	74.8	2.5	5.0	7.5	10.0	12.5	15.0	17.4	19.9	22.4	26′
28′	25.0	50.0	74.9	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	28′
30′	25.0	50.1	75.1	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	30′
32′	25.1	50.2	75.3	2.5	5.0	7.5	10.0	12.5	15.1	17.6	20.1	22.6	32′
34′	25.2	50.3	75.5	2.5	5.0	7.5	10.1	12.6	15.1	17.6	20.1	22.6	34′
36′	25.2	50.4	75.6	2.5	5.0	7.6	10.1	12.6	15.1	17.6	20.2	22.7	36′
38′	25.3	50.5	75.8	2.5	5.1	7.5	10.1	12.6	15.2	17.7	20.2	22.7	38′
40′	25.3	50.6	76.0	2.5	5.1	7.6	10.1	12.7	15.2	17.7	20.3	22.8	40′
42′	25.4	50.8	76.1	2.5	5.1	7.6	10.2	12.7	15.2	17.8	20.3	22.8	42′
44′	25.4	50.9	76.3	2.5	5.1	7.6	10.2	12.7	15.3	17.8	20.3	22.9	44′
46′	25.5	51.0	76.5	2.5	5.1	7.6	10.2	12.7	15.3	17.8	20.4	22.9	46′
48′	25.5	51.1	76.6	2.6	5.1	7.7	10.2	12.8	15.3	17.9	20.4	23.0	48′
50′	25.6	51.2	76.8	2.6	5.1	7.7	10.2	12.8	15.4	17.9	20.5	23.0	50′
52′	25.7	51.3	77.0	2.6	5.1	7.7	10.3	12.8	15.4	18.0	20.5	23.1	52′
54′	25.7	51.4	77.1	2.6	5.1	7.7	10.3	12.9	15.4	18.0	20.6	23.1	54′
56′	25.8	51.5	77.3	2.6	5.2	7.7	10.3	12.9	15.5	18.0	20.6	23.2	56′
58′	25.8	51.7	77.5	2.6	2.2	7.7	10.3	12.9	15,5	18.1	20.7	23.2	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	97.0	194.1	291.1	9.7	19.4	29.1	38.8	48.5	58.2	67.9	77.6	87.3	0′
10′	97.0	193.9	290.9	9.7	19.4	29.1	38.8	48.5	58.2	67.9	77.6	87.3	10′
20′	96.9	193.8	290.7	9.7	19.4	29.1	38.8	48.4	58.1	67.8	77.5	87.2	20′
30′	96.8	193.6	290.4	9.7	19.4	29.0	38.7	48.4	58.1	67.8	77.5	87.1	30′
40′	96.7	193.5	290.2	9.7	19.3	29.0	38.7	48.4	58.0	67.7	77.4	87.1	40′
50′	96.7	193.3	290.0	9.7	19.3	29.0	38.7	48.3	58.0	67.7	77.3	87.0	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	25.9	51.8	77.6	2.6	5.2	7.8	10.4	12.9	15.5	18.1	20.7	23.3	0′
2′	25.9	51.9	77.8	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.8	23.3	2′
4′	26.0	52.0	78.0	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.8	23.4	4′
6′	26.1	52.1	78.2	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.8	23.4	4′
8′	26.1	52.2	78.3	2.6	5.2	7.8	10.4	13.1	15.7	18.3	20.9	23.5	8′
10′	26.2	52.3	78.5	2.6	5.2	7.8	10.5	13.1	15.7	18.3	20.9	23.5	10′
12′	26.2	52.4	78.7	2.6	5.2	7.9	10.5	13.1	15.7	18.4	21.0	23.6	12′
14′	26.3	52.6	78.8	2.6	5.3	7.9	10.5	13.1	15.8	18.4	21.0	23.6	14′
16′	26.3	52.7	79.0	2.6	5.3	7.9	10.5	13.2	15.8	18.4	21.1	23.7	16′
18′	26.4	52.8	79.2	2.6	5.3	7.9	10.6	13.2	15.8	18.5	21.1	23.7	18′
20′	26.4	52.9	79.3	2,6	5.3	7.9	10.6	13.2	15.9	18.5	21.2	23.8	20′
22′	26.5	53.0	79.5	2.6	5.3	7.9	10.6	13.2	15.9	18.5	21.2	23.8	22′
24′	26.6	53.1	79.7	2.7	5.3	8.0	10.6	13.3	15.9	18.6	21.2	23.9	24′
26′	26.6	53.2	79.8	2.7	5.3	8.0	10.6	13.3	16.0	18.6	21.3	24.0	26′
28′	26.7	53.3	80.0	2.7	5.3	8.0	10.7	13.3	16.0	18.7	21.3	24.0	28′
30′	26.7	53.4	80.2	2.7	5.3	8.0	10.7	13.4	16.0	18.7	21.4	24.1	30′
32′	26.8	53.6	80.3	2.7	5.4	8.0	10.7	13 4	16.1	18.7	21.4	24.1	32′
34′	26.8	53.7	80.5	2.7	5.4	8.1	10.7	13.4	16.1	18.8	21.5	24.2	34′
36′	26.9	53.8	80.7	2.7	5.4	8.1	10.8	13.4	16.1	18.8	21.5	24.2	36′
38′	26.9	53.9	80.8	2.7	5.4	8.1	10.8	13.5	16.2	18.9	21.6	24.3	38′
40′	27.0	54.0	81.0	2.7	5.4	8.1	10.8	13.5	16.2	18.9	21.6	24.3	40′
42′	27.1	54.1	81.2	2.7	5.4	8.1	10.8	13.5	16.2	18.9	21.6	24.4	42′
44′	27.1	54.2	81.3	2.7	5.4	8.1	10.8	13.6	16.3	19.0	21.7	24.4	44′
46′	27.2	54.3	81.5	2.7	5.4	8.2	10.9	13.6	16.3	19.0	21.7	24.5	46′
48′	27.2	54.5	81.7	2.7	5.4	8.2	10.9	13.6	16.3	19.1	21.8	24.5	48′
50′	27.3	54.6	81.9	2.7	5.5	8.2	10.9	13.6	16.4	19.1	21.8	24.6	50′
52′	27.3	54.7	82.0	2.7	5.5	8.2	10.9	13.7	16.4	19.1	21.9	24.6	52′
54′	27.4	54.8	82.2	2.7	5.5	8.2	11.0	13.7	16.4	10.2	21.9	24.7	54′
56′	27.5	54.9	82.4	2.7	5 5	8.2	11.0	13.7	16.5	19.2	22.0	24.7	56′
58′	27.5	55.0	82.5	2.8	5.5	8.3	11.0	13.8	16.5	19.3	22.0	24.8	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	96.6	193.2	289.8	9.7	19.3	29.0	38.6	48.3	58.0	67.6	77.3	86.9	0′
10′	96.5	193.0	289.6	9.7	19.3	29.0	38.6	48.3	57.9	67.6	77.2	86.9	10′
20′	96.4	192.9	289.3	9.6	19.3	28.9	38.6	48.2	57.9	67.5	77.2	86.8	20′
30′	96.4	192.7	289.1	9.6	19.3	28.9	38.5	48.2	57.8	67.5	77.1	86.7	30′
40′	96.3	192.6	288.9	9.6	19.3	28.9	38.5	48.1	57.8	67.4	77.0	86.7	40′
50′	96.2	192.4	288.6	9.6	19.2	28.9	38.5	48.1	57.7	67.3	77.0	86.6	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	27.6	55.1	82.7	2.8	5.5	8.3	11.0	13.8	16.5	19.3	22.1	24.8	0′
2′	27.6	55.2	82.9	2.8	5.5	8.3	11.0	13.8	16.6	19.3	22.1	24.9	2′
4′	27.7	55.4	83.0	2.8	5.5	8.3	11.1	13.8	16.6	19.4	22.1	24.9	4′
6′	27.7	55.5	83.2	2.8	5.5	8.3	11.1	13.9	16.6	19.4	22.2	25.0	6′
8′	27.8	55.6	83.4	2.8	5.6	8.3	11.1	13.9	16.7	19.5	22.2	25.0	8′
10′	27.8	55.7	83.5	2.8	5.6	8.4	11.1	13.9	16.7	19.5	22.3	25.1	10′
12′	27.9	55.8	83.7	2.8	5.6	8.4	11.2	13.9	16.7	19.5	22.3	25.1	12′
14′	28.0	55.9	83.9	2.8	5.6	8.4	11.2	14.0	16.8	19.6	22.4	25.2	14′
16′	28.0	56.0	84.0	2.8	5.6	8.4	11.2	14.0	16.8	19.6	22.4	25.2	16′
18′	28.1	56.1	84.2	2.8	5.6	8.4	11.2	14.0	16.8	19.6	22.5	25.3	18′
20′	28.1	56.2	84.4	2.8	5.6	8.4	11.2	14.1	16.9	19.7	22.5	25.3	20′
22′	28.2	56.4	84.5	2.8	5.6	8.5	11.3	14.1	16.9	19.7	22.5	25.4	22′
24′	28.2	56.5	84.7	2.8	5.6	8.5	11.3	14.1	16.9	19.8	22.6	25.4	24′
26′	28.3	56.6	84.9	2.8	5.7	8.5	11.3	14.1	17.0	19.8	22.6	25.5	26′
28′	28.3	56.7	85.0	2.8	5.7	8.5	11.3	14.2	17.0	19.8	22.7	25.5	28′
30′	28.4	56.8	85.2	2.8	5.7	8.5	11.4	14.2	17.0	19.9	22.7	25.6	30′
32′	28.5	56.9	85.4	2.8	5.7	8.5	11.4	14.2	17.1	19.9	22.8	25.6	32′
34′	28.5	57.0	85.5	2,9	5.7	8.6	11.4	14.3	17.1	20.0	22.8	25.7	34′
36′	28.6	57.1	85.7	2.9	5.7	8.6	11.4	14.3	17.1	20.0	22.9	25.7	36′
38′	28.6	57.2	85.9	2.9	5.7	8.6	11.4	14.3	17.2	20.0	22.9	25.8	38′
40′	28.7	57.4	86.0	2.9	5.7	8.6	11.5	14.3	17.2	20.1	22.9	25.8	40′
42′	28.7	57.5	86.2	2.9	5.7	8.6	11.5	14.4	17.2	20.1	23.0	25.9	42′
44′	28.8	57.6	86.4	2.9	5.8	8.6	11.5	14.4	17.3	20.2	23.0	25.9	44′
46′	28.8	57.7	86.5	2.9	5.8	8.7	11.5	14.4	17.3	20.2	23.1	26.0	46′
48′	28.9	57.8	86.7	2.9	5.8	8.7	11.6	14.5	17.3	20.2	23.1	26.0	48′
50′	29.0	57.9	86.9	2.9	5.8	8.7	11.6	14.5	17.4	20.3	23.2	26.1	50′
52′	29.0	58.0	87.0	2.9	5.8	8.7	11.6	14.5	17.4	20.3	23.2	26.1	52′
54′	29.1	58.1	87.2	2.9	5.8	8.7	11.6	14.5	17.4	20.3	23.3	26.2	54′
56′	29.1	58.3	87.4	2.9	5.8	8.7	11.7	14.6	17.5	20.4	23.3	26.2	56′
58′	29.2	58.4	87.5	2.9	5.8	8.8	11.7	14.6	17.5	20.4	23.3	26.3	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	96.1	192.3	288.4	9.6	19.2	28.8	38.5	48.1	57.7	67.3	76.9	86.5	0′
10′	96.0	192.1	288.1	9.6	19.2	28.8	38,4	48.0	57.6	67.2	76.8	86.4	10′
20′	96.0	191.9	287.9	9.6	19.2	28.8	38.4	48.0	57.6	67.2	76.8	86.4	20′
30′	95.9	191.8	287.6	9.6	19.2	28.8	38.4	47.9	57.5	67.1	76.7	86.3	30′
40′	95.8	191.6	287.5	9.6	19.2	28.7	38.3	47.9	57.5	67.1	76.6	86.2	40′
50′	95.7	191.4	287.1	9.6	19.1	28.7	38.3	47.9	57.4	67.0	76.6	86.1	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	29.2	58.5	87.7	2.9	5.8	8.8	11.7	14.6	17.5	20.5	23.4	26.3	0′
2′	29.3	58.6	87.9	2.9	5.9	8.8	11.7	14.6	17.6	20.5	23.4	26.4	2′
4′	29.3	58.7	88.0	2.9	5.9	8.8	11.7	14.7	17.6	20.5	23.5	26.4	4′
6′	29.4	58.8	88.2	2.9	5.9	8.8	11.8	14.7	17.6	20.6	23.5	26.5	6′
8′	29.5	58.9	88.4	2.9	5.9	8.8	11.8	14.7	17.7	20.6	23.6	26.5	8′
10′	29.5	59.0	88.5	3.0	5.9	8.9	11.8	14.8	17.7	20.7	23.6	26.6	10′
12′	29.6	59.1	88.7	3.0	5.9	8.9	11.8	14.8	17.7	20.7	23.7	26.6	12′
14′	29.6	59.3	88.9	3.0	5.9	8.9	11.9	14.8	17.8	20.7	23.7	26.7	14′
16′	29.7	59.4	89.0	3.0	5.9	8.9	11.9	14.8	17.8	20.8	23.7	26.7	16′
18′	29.7	59.5	89.2	3.0	5.9	8.9	11.9	14.9	17.8	20.8	23.8	26.8	18′
20′	29.8	59.6	89.4	3.0	6.0	8.9	11.9	14.9	17.9	20.9	23.8	26 8	20′
22′	29.8	59·7	89.5	3.0	6.0	9.0	11.9	14.9	17.9	20.9	23.9	26.9	22′
24′	29.9	59.8	89.7	3.0	6.0	9.0	12.0	15.0	17.9	20.9	23.9	26.9	24′
26′	30.0	59.9	89.9	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	27.0	26′
28′	30.0	60.0	90.0	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	27.0	28′
30′	30.1	60.1	90.2	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.1	27.1	30′
32′	30.1	60.3	90.4	3.0	6.0	9.0	12.1	15.1	18.1	21.1	24.1	27.1	32′
34′	30.2	60.4	90.5	3.0	6.0	9.1	12.1	15.1	18.1	21.1	24.1	27.2	34′
36′	30.2	60.5	90.7	3.0	6.0	9.1	12.1	15.1	18.1	21.2	24.2	27.2	36′
38′	30.3	60.6	90.9	3.0	6.1	9.1	12.1	15.1	18.2	21.2	24.2	27.3	38′
40′	30.3	60.7	91.0	3.0	6.1	9.1	12.1	15.2	18.2	21.2	24.3	27.3	40′
42′	30.4	60.8	91.2	3.0	6.1	9.1	12.2	15.2	18.2	21.3	24.3	27.4	42′
44′	30.5	60.9	91.4	3.0	6.1	9.1	12.2	15.2	18.3	21.3	24.4	27.4	44′
46′	30.5	61.0	91.5	3.1	6.1	9.2	12.2	15.3	18.3	21.4	24.4	27.5	46′
48′	30.6	61.1	91.7	3.1	6.1	9.2	12.2	15.3	18.3	21.4	24.5	27.5	48′
50′	30.6	61·3	91.9	3.1	6.1	9.2	12.3	15.3	18.4	21.4	24.5	27.6	50′
52′	30.7	61.4	92.0	3.1	6.1	9.2	12.3	15.3	18.4	21.5	24.5	27.6	52′
54′	30.7	61.5	92 2	3.1	6.1	9.2	12.3	15.4	18.4	21.5	24.6	27.7	54′
56′	30.8	61.6	92.4	3.1	6.2	9.2	12.3	15.4	18.5	21.6	24.6	27.7	56′
58′	30.8	61.7	92.5	3.1	6.2	9.3	12.3	15.4	18.5	21.6	24.7	27.8	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	95 6	191.3	286.9	9.6	19.1	28.7	38.3	47.8	57.4	66.9	76.5	86 1	0′
10′	95.5	191.1	286.6	9.6	19.1	28.7	38.2	47.8	57.3	66.9	76.4	86.0	10′
20′	95.5	190.9	286.4	9.5	19 1	28.6	38.2	47.7	57.3	66.8	76.4	85.9	20′
30′	95.4	190.7	286.1	9.5	19.1	28.6	38.1	47.7	57.2	66.8	76.3	85.8	30′
40′	95.3	190.6	285.9	9.5	19.1	28.6	38.1	47.6	57.2	66.7	76.2	85.8	40′
50′	95.2	190.4	285.6	9.5	19.0	28.6	38.1	47.6	57.1	66.6	76.2	85.7	50′

PERPUSTAKAAN NASIONAL
REPUBLIK INDONESIA

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	30.9	61.8	92.7	3.1	6.2	9.3	12.4	15.5	18.5	21.6	24.7	27.8	0′
2′	31.0	61.9	92.9	3.1	6.2	9.3	12.4	15 5	18.6	21.7	24.8	27 9	2′
4′	31.0	62.0	93.0	3.1	6.2	9.3	12.4	15.5	18.6	21.7	24.8	27.9	4′
6′	31.1	62.1	93.2	3.1	6.2	9.3	12.4	15.5	18.6	21.7	24.9	28.0	6′
8′	31.1	62.2	93.4	3.1	6.2	9.3	12.4	15.6	18.7	21.8	24.9	28.0	8′
10′	31.2	62.4	93.5	3.1	6.2	9.4	12.5	15.6	18.7	21.8	24.9	28.1	10′
12′	31.2	62.5	93.7	3.1	6.2	9.4	12.5	15.6	18.7	21.9	25.0	28.1	12′
14′	31.3	62.6	93.9	3.1	6.3	9.4	12.5	15.6	18.8	21.9	25.0	28.2	14′
16′	31.3	62.7	94.0	3.1	6.3	9.4	12.5	15.7	18.8	21.9	25.1	28.2	16′
18′	31.4	62.8	94.2	3.1	6.3	9.4	12.6	15.7	19.8	22.0	25.1	28.3	18′
20′	31.5	62.9	94.4	3.1	6.3	9.4	12.6	15.7	18.9	22.0	25 2	28.3	20′
22′	31.5	63.0	94.5	3.2	6.3	9.5	12.6	15.8	18.9	22.1	25.2	28.4	22′
24′	31.6	63.1	94.7	3.2	6.3	9.5	12.6	15.8	18.9	22.1	25.3	28.4	24′
26′	31.6	63.2	94.9	3.2	6.3	9.5	12.6	15.8	19.0	22.1	25.3	28.5	26′
28′	31.7	63.4	95.0	3.2	6.3	9.5	12.7	15.8	19 0	22.2	25.3	28.5	28′
30′	31.7	63.5	95.2	3.2	6.3	9.5	12.7	15.9	19.0	22.2	25.4	28.6	30′
32′	31.8	63.6	95.4	3.2	6.4	9.5	12.7	15.9	19.1	22.2	25.4	28.6	32′
34′	31.8	63.7	95.5	3.2	6.4	9.6	12.7	15.9	19.1	22.3	25.5	28.7	34′
36′	31.9	63.8	95.7	3.2	6.4	9.6	12.8	15.9	19.1	22.3	25.5	28.7	36′
38′	32.0	63.9	95.9	3.2	6.4	9.6	12.8	16.0	19.2	22.4	25.6	28.8	38′
40′	32.0	64.0	96.0	3.2	6.4	9.6	12.8	16.0	19.2	22.4	25.6	28.8	40′
42′	32.1	64.1	96.2	3.2	6.4	9.6	12.8	16.0	19.2	22.4	25.6	28.9	42′
44′	32.1	64.2	96.3	3.2	6.4	9.6	12.8	16.1	19.3	22.5	25.7	28.9	44′
46′	32.2	64.3	96.5	3.2	6.4	9.7	12.9	16.1	19.3	22.5	25.7	29.0	46′
48′	32.2	64.5	96.7	3.2	6.4	9.7	12.9	16.1	19.3	22.6	25.8	29.0	48′
50′	32.3	64.6	96.8	3.2	6.5	9.7	12.9	16.1	19.4	22.6	25.8	29.1	50′
52′	32.3	64.7	97 0	3.2	6.5	9.7	12.9	16.2	19.4	22.6	25.9	29.1	52′
54′	32.4	64.8	97.2	3.2	6.5	9.7	13.0	16.2	19.4	22.7	25.9	29.2	54′
56′	32.4	64.9	97.3	3.2	6.5	9.7	13.0	16.2	19.5	22.7	26.0	29.2	56′
58′	32.5	65.0	97.5	3.3	6.5	9.8	13.0	16.3	19.5	22.8	26.0	29.3	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	95.1	190.2	285.3	9.5	19.0	28.5	38.0	47.6	57.1	66.6	76.1	85.6	0′
10′	95.0	190.0	285.0	9.5	19.0	28.5	38.0	47.5	57.0	66.5	76.0	85.5	10′
20′	94.9	189.8	284.8	9.5	19.0	28.5	38.0	47.5	57.0	66.4	75.9	85 4	20′
30′	94.8	189.7	284.5	9.5	19.0	28.4	37.9	47.4	56.9	66.4	75.9	85.3	30′
40′	94.7	189.5	284.2	9.5	18.9	28.4	37.9	47.4	56.8	66.3	75.8	85.3	40′
50′	94.6	189.3	283.9	9.5	18.9	28.4	37.9	47.3	56.8	66.3	75.7	85.2	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	32.6	65.1	97.7	3.3	6.5	9.8	13.0	16.3	19.5	22.8	26.0	29.3	0′
2′	32.6	65.2	97.8	3.3	6.5	9.8	13.0	16.3	19.6	22.8	26.1	29.4	2′
4′	32.7	65.3	98.0	3.3	6.5	9.8	13.1	16.3	19.6	22.9	26.1	29.4	4′
6′	32.7	65.4	98.2	3.3	6.5	9.8	13.1	16.4	19.6	22.9	26.2	29.4	6′
8′	32.8	65.6	98.3	3.3	6.6	9.8	13.1	16.4	19.7	22.9	26.2	29.5	8′
10′	32.8	65.7	98.5	3.3	6.6	9.8	13.1	16.4	19.7	23.0	26.3	29.5	10′
12′	32.9	65.8	98.7	3.3	6.6	9.9	13.2	16.4	19.7	23.0	26.3	29.6	12′
14′	32.9	65.9	98.8	3.3	6.6	9.9	13.2	16.5	19.8	23.1	26.4	29.6	14′
16′	33.0	66.0	99.0	3.3	6.6	9.9	13.2	16.5	19.8	23.1	26.4	29.7	16′
18′	33.1	66.1	99.2	3.3	6.6	9.9	13.2	16.5	19.8	23.1	26.4	29.7	18′
20′	33.1	66.2	99.3	3.3	6.6	9.9	13.2	16.6	19.9	23.2	26.5	29.8	20′
22′	33.2	66.3	99.5	3.3	6.6	9.9	13.3	16.6	19.9	23.2	26.5	29.8	22′
24′	33.2	66.4	99.6	3.3	6.6	10.0	13.3	16.6	19.9	23.3	26.6	29.9	24′
26′	33.3	66.5	99.8	3.3	6.7	10.0	13.3	16.6	20.0	23.3	26.6	29.9	26′
28′	33.3	66.7	100.0	3.3	6.7	10.0	13.3	16.7	20.0	23.3	26.7	30.0	28′
30′	33.4	66.8	100.1	3.3	6.7	10.0	13.4	16.7	20.0	23.4	26.7	30.0	30′
32′	33.4	66.9	100.3	3.3	6.7	10.0	13.4	16.7	20.1	23.4	26.7	30.1	32′
34′	33.5	67.0	100.5	3.3	6.7	10.0	13.4	16.7	20.1	23.4	26.8	30.1	34′
36′	33.5	67.1	100.6	3.4	6.7	10.1	13.4	16.8	20.1	23.5	26.8	30.2	36′
38′	33.6	67.2	100.8	3.4	6.7	10.1	13.4	16.8	20.2	23.5	26.9	30.2	38′
40′	33.7	67.3	101.0	3.4	6.7	10.1	13.5	16.8	20.2	23.6	26.9	30.3	40′
42′	33.7	67.4	101.1	3.4	6.7	10.1	13.5	16.9	20.2	23.6	27.0	30.3	42′
44′	33.8	67.5	101.3	3.4	6.8	10.1	13.5	16.9	20.3	23.6	27.0	30.4	44′
46′	33.8	67.6	101.5	3.4	6.8	10.1	13.5	16.9	20.3	23.7	27.1	30.4	46′
48′	33.9	67.7	101.6	3.4	6.8	10.2	13.5	16.9	20.3	23.7	27.1	30.5	48′
50′	33.9	67.9	101.8	3.4	6.8	10.2	13.6	17.0	20.4	23.8	27.2	30.5	50′
52′	34.0	68.0	102.0	3.4	6.8	10.2	13.6	17.0	20.4	23.8	27.2	30.6	52′
54′	34.0	68.1	102.1	3.4	6.8	10.2	13.6	17.0	20.4	23.8	27.2	30.6	54′
56′	34.1	68.2	102.3	3.4	6.8	10.2	13.6	17.0	20.5	23.9	27.3	30.7	56′
58′	34.1	68.3	102.4	3.4	6.8	10.2	13.7	17.1	20.5	23.9	27.3	30.7	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	94.6	189.1	283.7	9.5	18.9	28.4	37.8	47.3	56.7	66.2	75.6	85.1	0′
10′	94.5	188.9	283.4	9.4	18.9	28.3	37.8	47.2	56.7	66.1	75.6	85.0	10′
20′	94.4	188.7	283.1	9.4	18.9	28.3	37.7	47.2	56.6	66.1	75.5	84.9	20′
30′	94.3	188.5	282.8	9.4	18.9	28.3	37.7	47.1	56.6	66.0	75.4	84.8	30′
40′	94.2	188.3	282.5	9.4	18.8	28.3	37.7	47.1	56.5	65.9	75.3	84.8	40′
50′	94.1	188.1	282.2	9.4	18.8	28.2	37.6	47.0	56.4	65.8	75.3	84.7	50′

PERPUSTAKAAN NASIONAL
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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	34.2	68.4	102.6	3.4	6.8	10.3	13.7	17.1	20.5	23.9	27.4	30.8	0′
2′	34.3	68.5	102.8	3.4	6.9	10.3	13.7	17.1	20.6	24.0	27.4	30.8	2′
4′	34.3	68.6	102.9	3.4	6.9	10.3	13.7	17.2	20.6	24.0	27.4	30.9	4′
6′	34.4	68.7	103.1	3.4	6.9	10.3	13.7	17.2	20.6	24.1	27.5	30.9	6′
8′	34.4	68.8	103.3	3.4	6.9	10.3	13.8	17.2	20.7	24.1	27.5	31.0	8′
10′	34.5	69.0	103.4	3.4	6.9	10.3	13.8	17.2	20.7	24.1	27.6	31.0	10′
12′	34.5	69.1	103.6	3.5	6.9	10.4	13.8	17.3	20.7	24.2	27.6	31.1	12′
14′	34.6	69.2	103.8	3.5	6.9	10.4	13.8	17.3	20.8	24.2	27.7	31.1	14′
16′	34.6	69.3	103.9	3.5	6.9	10.4	13.9	17.3	20.8	24.2	27.7	31.2	16′
18′	34.7	69.4	104.1	3.5	6.9	10.4	13.9	17.3	20.8	24.3	27.8	31.2	18′
20′	34.7	69.5	104.2	3.5	6.9	10.4	13.9	17.4	20.8	24.3	27.8	31.3	20′
22′	34.8	69.6	104.4	3.5	7.0	10.4	13.9	17.4	20.9	24.4	27.8	31.3	22′
24′	34.9	69.7	104.6	3.5	7.0	10.5	13.9	17.4	20.9	24.4	27.9	31.4	24′
26′	34.9	69.8	104.7	3.5	7.0	10.5	14.0	17.5	20.9	24.4	27.9	31.4	26′
28′	34.9	69.9	104.9	3.5	7.0	10.5	14.0	17.5	21.0	24.5	28.0	31.5	28′
30′	35.0	70.0	105.1	3.5	7.0	10.5	14.0	17.5	21.0	24.5	28.0	31.5	30′
32′	35.1	70.2	105.2	3.5	7.0	10.5	14.0	17.5	21.0	24.6	28.1	31.6	32′
34′	35.1	70.3	105.4	3.5	7.0	10.5	14.1	17.6	21.1	24.6	28.1	31.6	34′
36′	35.2	70.4	105.6	3.5	7.0	10.6	14.1	17.6	21.1	24.6	28.1	31.7	36′
38′	35.2	70.5	105.7	3.5	7.0	10.6	14.1	17.6	21.1	24.7	28.2	31.7	38′
40′	35.3	70.6	105.9	3.5	7.1	10.6	14.1	17.6	21.2	24.7	28.2	31.8	40′
42′	35.3	70.7	106.0	3.5	7.1	10.6	14.1	17.7	21.2	24.7	28.3	31.8	42′
44′	35.4	70.8	106.2	3.5	7.1	10.6	14.2	17.7	21.2	24.8	28.3	31.9	44′
46′	35.5	70.9	106.4	3.5	7.1	10.6	14.2	17.7	21.3	24.8	28.4	31.9	46′
48′	35.5	71.0	106.5	3.6	7.1	10.7	14.2	17.8	21.3	24.9	28.4	32.0	48′
50′	35.6	71.1	106.7	3.6	7.1	10.7	14.2	17.8	21.3	24.9	28.5	32.0	50′
52′	35.6	71.2	106.9	3.6	7.1	10.7	14.2	17.8	21.4	24.9	28.5	32.1	52′
54′	35.7	71.3	107.0	3.6	7.1	10.7	14.3	17.8	21.4	25.0	28.5	32.1	54′
56′	35.7	71.5	107.2	3.6	7.1	10.7	14.3	17.9	21.4	25.0	28.6	32.2	56′
58′	35.8	71.6	107.3	3.6	7.2	10.7	14.3	17.9	21.5	25.0	28.6	32.2	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	a
0′	94.0	187.9	281.9	9.4	18.8	28.2	37.6	47.0	56.4	65.8	75.2	84.6	0′
10′	93.9	187.7	281.6	9.4	18.8	28.2	37.5	46.9	56.3	65.7	75.1	84.5	10′
20′	93.8	187.5	281.3	9.4	18.8	28.1	37.5	46.9	56.3	65.6	75.0	84.4	20′
30′	93.7	187.3	281.0	9.4	18.7	28.1	37.5	46.8	56.2	65.6	74.9	84.3	30′
40′	93.6	187.1	280.7	9.4	18.7	28.1	37.4	46.8	56.1	65.5	74.9	84.2	40′
50′	93.5	186.9	280.4	9.4	18.7	28.0	37.4	46.7	56.1	65.4	74.8	84.1	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	35.8	71.8	107.5	3.6	7.2	10.8	14.3	17.9	21.5	25.1	28.7	32.3	0′
2′	35.9	71.8	107.7	3.6	7.2	10,8	14.4	17.9	21.5	25.1	28.7	32.3	2′
4′	35.9	71.9	107.8	3.6	7.2	10.8	14.4	18.0	21.6	25.2	28.8	32.4	4′
6′	36.0	72.0	108.0	3.6	7.2	10.8	14.4	18.0	21.6	25.2	28.8	32.4	6′
8′	36.1	72.1	108.2	3.6	7.2	10.8	14.4	18.0	21.6	25.2	28.8	32.4	8′
10′	36.1	72.2	108.3	3.6	7.2	10.8	14.4	18.1	21.7	25.3	28.9	32.5	10′
12′	36.2	72.3	108.5	3.6	7.2	10.8	14.5	18.1	21.7	25.3	28.9	32.5	12′
14′	36.2	72.4	108.7	3.6	7.2	10.9	14.5	18.1	21.7	25.4	29.0	32.6	14′
16′	36.3	72.5	108.8	3.6	7.3	10.9	14.5	18.1	21.8	25.4	29.0	32.6	16′
18′	36.3	72.7	109.0	3.6	7.3	10.9	14.5	18.2	21.8	25.4	29.1	32.7	18′
20′	36.4	72.8	109.1	3.6	7.3	10.9	14.6	18.2	21.8	25.5	29.1	32.7	20′
22′	36.4	72.9	109.3	3.6	7.3	10.9	14.6	18.2	21.9	25.5	29.1	32.8	22′
24′	36.5	73.0	109.5	3.6	7.3	10.9	14.6	18.2	21.9	25.5	29.2	32.8	24′
26′	36.5	73.1	109.6	3.7	7.3	11.0	14.6	18.3	21.9	25.6	29.2	32.9	26′
28′	36.6	73.2	109.8	3.7	7.3	11.0	14.6	18.3	22.0	25.6	29.3	32.9	28′
30′	36.7	73.3	110.0	3.7	7.3	11.0	14.7	18.3	22.0	25.7	29.3	33.0	30′
32′	36.7	73.4	110.1	3.7	7.3	11.0	14.7	18.4	22.0	25.7	29.4	33.0	32′
34′	36.8	73.5	110.3	3.7	7.3	11.0	14.7	18.4	22.1	25.7	29.4	33.1	34′
36′	36.8	73.6	110.4	3.7	7.3	11.0	14.7	18.4	22.1	25.8	29.5	33.1	36′
38′	36.9	73.7	110.6	3.7	7.3	11.1	14.7	18.4	22.1	25.8	29.5	33.2	38′
40′	36.9	73.8	110.8	3.7	7.4	11.1	14.8	18.5	22.2	25.8	29.5	33.2	40′
42′	37.0	73.9	110.9	3.7	7.4	11.1	14.8	18.5	22.2	25.9	29.6	33.3	42′
44′	37.0	74.1	111.1	3.7	7.4	11.1	14.8	18.5	22.2	25.9	29.6	33.3	44′
46′	37.1	74.2	111.2	3.7	7.4	11.1	14.8	18.5	22.2	26.0	29.7	33.4	46′
48′	37.1	74.3	111.4	3.7	7.4	11.1	14.9	18.6	22.3	26.0	29.7	33.4	48′
50′	37.2	74.4	111.6	3.7	7.4	11.2	14.9	18.6	22.3	26.0	29.8	33.5	50′
52′	37.2	74.5	111.7	3.7	7.4	11.2	14.9	18.6	22.3	26.1	29.8	33.5	52′
54′	37.3	74.6	111.9	3.7	7.4	11.2	14.9	18.6	22.4	26.1	29.8	33.6	54′
56′	37.4	74.7	112.1	3.7	7.4	11.2	14.9	18.7	22.4	26.1	29.9	33.6	56′
58′	37.4	74.8	112.2	3.7	7.4	11.2	15.0	18.7	22.4	26.2	29.9	33.7	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	93.4	186.7	280.1	9.3	18.7	28.0	37.3	46.7	56.0	65.4	74.7	84.0	0′
10′	93.3	186.5	279.8	9.3	18.7	28.0	37.3	46.6	56.0	65.3	74.6	83,9	10′
20′	93.1	186.3	279.4	9.3	18.6	27.9	37.3	46.6	55.9	65.2	74.5	83.8	20′
30′	92.0	186.1	279.1	9.3	18.6	27.9	37.2	46.5	55.8	65.1	74.4	83.7	30′
40′	92.9	185.9	278.8	9.3	18.6	27.9	37.2	46.5	55.8	65.1	74.3	83.6	40′
50′	92.8	185.7	278.5	9.3	18.6	27.8	37.1	46.4	55.7	65.0	74.3	83.5	50′

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REPUBLIK INDONESIA

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0	37.5	74.9	112.4	3.7	7.5	11.2	15.0	18.7	22.5	26.2	30.0	33.7	0′
2′	37.5	75.0	11.25	3.8	7.5	11.3	15.0	18.8	22.5	26.3	30.0	33.8	2′
4′	37.6	75.1	112.7	3.8	7.5	11.3	15.0	18.8	22.5	26.3	30.1	33.8	4′
6′	37.6	75.2	112.9	3.8	7.5	11.3	15.0	18.8	22.6	26.3	30.1	33.9	6′
8′	37.7	75.4	113.0	3.8	7.5	11.3	15.1	18.8	22.6	26.4	30.1	33.9	8′
10′	37.7	75.5	113.2	3.8	7.5	11.3	15.1	18.9	22.6	26.4	30.2	34.0	10′
12′	37.8	75.6	113.4	3.8	7.6	11.3	15.1	18.9	22.7	26.4	30.2	34.0	12′
14′	37.8	75.7	113.5	3.8	7.6	11.4	15.1	18.9	22.7	26.5	30.3	34.1	14′
16′	37.9	75.8	113.7	3.8	7.6	11.4	15.2	18.9	22.7	26.5	30.3	34.1	16′
18′	37.9	75.9	113.8	3.8	7.6	11.4	15.2	19.0	22.8	26.6	30.4	34.2	18′
20′	38.0	76.0	114.0	3.8	7.6	11.4	15.2	19.0	22.8	26.6	30.4	34.2	20′
22′	38.1	76.1	114.2	3.8	7.6	11.4	15.2	19.0	22.8	26.6	30.4	34.2	22′
24′	38.1	76.2	114.3	3.8	7.6	11.4	15.2	19.1	22.9	26.7	30.5	34.3	24′
26′	38.2	76.3	114.5	3.8	7.6	11.4	15.3	19.1	22.9	26.7	30.5	34.3	26′
28′	38.2	76.4	114.6	3.8	7.6	11.5	15.3	19.1	22.9	26.8	30.6	34.4	28′
30′	38.3	76.5	114.8	3.8	7.7	11.5	15.3	19.1	23.0	26.8	30.6	34.4	30′
32′	38.3	76.6	115.0	3.8	7.7	11.5	15.3	19.2	23.0	26.8	30.7	34.5	32′
34′	38.4	76.8	115.1	3.8	7.7	11.5	15.4	19.2	23.0	26.9	30.7	34.5	34′
36′	38.4	76.9	115.3	3.8	7.7	11.5	15.4	19.2	23.1	26.9	30.7	34.6	36′
38′	38.5	77.0	115.5	3.8	7.7	11.5	15.4	19.2	23.1	26.9	30.8	34.6	38′
40′	38.5	77.1	115.6	3.9	7.7	11.6	15.4	19.3	23.1	27.0	30.8	34.7	40′
42′	38.6	77.2	115.8	3.9	7.7	11.6	15.4	19.3	23.2	27.0	30.9	34.7	42′
44′	38.6	77.3	115.9	3.9	7.7	11.6	15.5	19.3	23.2	27.1	30.9	34.8	44′
46′	38.7	77.4	116.1	3.9	7.7	11.6	15.5	19.3	23.2	27.1	31.0	34.8	46′
48′	38.8	77.5	116.3	3.9	7.8	11.6	15.5	19.4	23.3	27.1	31.0	34.9	48′
50′	38.8	77.6	116.4	3.9	7.8	11.6	15.5	19.4	23.3	27.2	31.0	34.9	50′
52′	38.9	77.7	116.6	3.9	7.8	11.7	15.5	19.4	23.3	27.2	31.1	35.0	52′
54′	38.9	77.8	116.7	3.9	7.8	11.7	15.6	19.5	23.3	27.2	31.1	35.0	54′
56′	39.0	77.9	116.9	3.9	7.8	11.7	15.6	19.5	23.4	27.3	31.2	35.1	56′
58′	39.0	78.0	117.1	3.9	7.8	11.7	15.6	19.5	23.4	27.3	31.2	35.1	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	92.7	185.4	278.2	9.3	18.5	27.8	37.1	46.4	55.6	64.9	74.2	83.4	0′
10′	92.6	185.2	277.8	9.3	18.5	27.8	37.0	46.3	55.6	64.8	74.1	83.3	10′
20′	92.5	185.0	277.5	9.2	18.5	27.7	37.0	46.2	55.5	64.7	74.0	83.2	20′
30′	92.4	184.8	277.2	9.2	18.5	27.7	37.0	46.2	55.4	64.7	73.9	83.1	30′
40′	92.3	184.6	276.8	9.2	18.5	27.7	36.9	46.1	55.4	64.6	73.8	83.0	40′
50′	92.2	184.3	276.5	9.2	18.4	27.6	36.9	46.1	55.3	64.5	73.7	82.9	50′

PERPUSTAKAAN NASIONAL
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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	39.1	78.1	117.2	3.9	7.8	11.7	15.6	19.5	23.4	27.4	31.3	35.2	0′
2′	39.1	78.3	117.4	3.9	7.8	11.7	15.7	19.6	23.5	27.4	31.3	35.2	2′
4′	39.2	78.4	117.5	3.9	7.8	11.8	15.7	19.6	23.5	27.4	31.3	35.3	4′
6′	39.2	78.5	117.7	3.9	7.8	11.8	15.7	19.6	23.5	27.5	31.4	35.3	6′
8′	39.3	78.6	117.9	3.9	7.9	11.8	15.7	19.6	23.6	27.5	31.4	35.4	8′
10′	39.3	78.7	118.0	3.9	7.9	11.8	15.7	19.7	23.6	27.5	31.5	35.4	10′
12′	39.4	78.8	118.2	3.9	7.9	11.8	15.8	19.7	23.6	27.6	31.5	35.5	12′
14′	39.4	78.9	118.3	3.9	7.9	11.8	15.8	19.7	23.7	27.6	31.6	35.5	14′
16′	39.5	79.0	118.5	4.0	7.9	11.9	15.8	19.8	23.7	27.7	31.6	35.6	16′
18′	39.6	79.1	118.7	4.0	7.9	11.9	15.8	19.8	23.7	27.7	31.6	35.6	18′
20′	39.6	79.2	118.8	4.0	7.9	11.9	15.8	19.8	23.8	27.7	31.7	35.6	20′
22′	39.7	79.3	119.0	4.0	7.9	11.9	15.9	19.8	23.8	27.8	31.7	35.7	22′
24′	39.7	79.4	119.1	4.0	7.9	11.9	15.9	19.9	23.8	27.8	31.8	35.7	24′
26′	39.8	79.5	119.3	4.0	8.0	11.9	15.9	19.9	23.9	27.8	31.8	35.8	26′
28′	39.8	79.6	119.5	4.0	8.0	11.9	15.9	19.9	23.9	27.9	31.9	35.8	28′
30′	39.9	79.8	119.6	4.0	8.0	12.0	16.0	19.9	23.9	27.9	31.9	35.9	30′
32′	39.9	79.9	119.8	4.0	8.0	12.0	16.0	20.0	24.0	27.9	31.9	35.9	32′
34′	40.0	80.0	119.9	4.0	8.0	12.0	16.0	20.0	24.0	28.0	32.0	36.0	34′
36′	40.0	80.1	120.1	4.0	8.0	12.0	16.0	20.0	24.0	28.0	32.0	36.0	36′
38′	40.1	80.2	120.3	4.0	8.0	12.0	16.0	20.0	24.1	28.1	32.1	36.1	38′
40′	40.1	80.3	120.4	4.0	8.0	12.0	16.1	20.1	24.1	28.1	32.1	36.1	40′
42′	40.2	80.4	120.6	4.0	8.0	12.1	16.1	20.1	24.1	28.1	32.2	36.2	42′
44′	40.2	80.5	120.7	4.0	8.0	12.1	16.1	20.1	24.1	28.2	32.2	36.2	44′
46′	40.3	80.6	120.9	4.0	8.1	12.1	16.1	20.2	24.2	28.2	32.2	36.3	46′
48′	40.4	80.7	121.1	4.0	8.1	12.1	16.1	20.2	24.2	28.2	32.3	36.3	48′
50′	40.4	80.8	121.2	4.0	8.1	12.1	16.2	20.2	24.2	28.3	32.3	36.4	50′
52′	40.5	80.9	121.4	4.0	8.1	12.1	16.2	20.2	24.3	28.3	32.4	36.4	52′
54′	40.5	81.0	121.5	4.1	8.1	12.2	16.2	20.3	24.3	28.4	32.4	36.5	54′
56′	40.6	81.1	121.7	4.1	8.1	12.2	16.2	20.3	24.3	28.4	32.5	36.5	56′
58′	40.6	81.2	121.9	4.1	8.1	12.2	16.2	20.3	24.4	28.4	32.5	36.6	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	92.1	184.1	276.2	9.2	18.4	27.6	36.8	46.0	55.2	64.4	73.6	82.8	0′
10′	91.9	183.9	275.8	9.2	18.4	27.6	36.8	46.0	55.2	64.4	73.5	82.7	10′
20′	91.8	183.6	275.5	9.2	18.4	27.5	36.7	45.9	55.1	64.3	73.5	82.6	20′
30′	91.7	183.4	275.1	9.2	18.3	27.5	36.7	45.9	55.0	64.2	73.4	82.5	30′
40′	91.6	183.2	274.8	9.2	18.3	27.5	36.6	45.8	55.0	64.1	73.3	82.4	40′
50′	91.5	182.9	274.4	9.1	18.3	27.4	36.6	45.7	54.9	64.0	73.2	82.3	50′

PERPUSTAKAAN NASIONAL
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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	40.7	81.3	122.0	4.1	8.1	12.2	16.3	20.3	24.4	28.5	32.5	36.6	0′
2′	40.7	81.5	122.2	4.1	8.1	12.2	16.3	20.4	24.4	28.5	32.6	36.7	2′
4′	40.8	81.6	122.3	4.1	8.2	12.2	16.3	20.4	24.5	28.5	32.6	36.7	4′
6′	40.8	81.7	122.5	4.1	8.2	12.2	16.3	20.4	24.5	28.6	32.7	36.7	6′
8′	40.8	81.8	122.7	4.1	8.2	12.3	16.4	20.4	24.5	28.6	32.7	36.8	8′
10′	40.9	81.9	122.8	4.1	8.2	12.3	16.4	20.5	24.6	28.7	32.8	36.8	10′
12′	41.0	82.0	123.0	4.1	8.2	12.3	16.4	20.5	24.6	28.7	32.8	36.9	12′
14′	41.0	82.1	123.1	4.1	8.2	12.3	16.4	20.5	24.6	28.7	32.8	36.9	14′
16′	41.1	82.2	123.3	4.1	8.2	12.3	16.4	20.5	24.7	28.8	32.9	37.0	16′
18′	41.2	82.3	123.5	4.1	8.2	12.3	16.5	20.6	24.7	28.8	32.9	37.0	18′
20′	41.2	82.4	123.6	4.1	8.2	12.4	16.5	20.6	24.7	28.8	33.0	37.1	20′
22′	41.3	82.5	123.8	4.1	8.3	12.4	16.5	20.6	24.8	28.9	33.0	37.1	22′
24′	41.3	82.6	123.9	4.1	8.3	12.4	16.5	20.7	24.8	28.9	33.0	37.2	24′
26′	41.4	82.7	124.1	4.1	8.3	12.4	16.5	20.7	24.8	29.0	33.1	37.2	26′
28′	41.4	82.8	124.2	4.1	8.3	12.4	16.6	20.7	24.8	29.0	33.1	37.3	28′
30′	41.5	82.9	124.4	4.1	8.3	12.4	16.6	20.7	24.9	29.0	33.2	37.3	30′
32′	41.5	83.0	124.6	4.2	8.3	12.5	16.6	20.8	24.9	29.1	33.2	37.4	32′
34′	41.6	83.2	124.7	4.2	8.3	12.5	16.6	20.8	24.9	29.1	33.3	37.4	34′
36′	41.6	83.3	124.9	4.2	8.3	12.5	16.7	20.8	25.0	29.1	33.3	37.5	36′
38′	41.7	83.4	125.0	4.2	8.3	12.5	16.7	20.8	25.0	29.2	33.3	37.5	38′
40′	41.7	83.5	125.2	4.2	8.3	12.5	16.7	20.9	25.0	29.2	33.4	37.6	40′
42′	41.8	83.6	125.4	4.2	8.4	12.5	16.7	20.9	25.1	29.3	33.4	37.6	42′
44′	41.8	83.7	125.5	4.2	8.4	12.6	16.7	20.9	25.1	29.3	33.5	37.7	44′
46′	41.9	83.8	125.7	4.2	8.4	12.6	16.8	20.9	25.1	29.3	33.5	37.7	46′
48′	41.9	83.9	125.8	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	48′
50′	42.0	84.0	126.0	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	50′
52′	42.1	84.1	126.2	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	52′
54′	42.1	84.2	126.3	4.2	8.4	12.6	16.8	21.1	25.3	29.5	33.7	37.9	54′
56′	42.2	84.3	126.5	4.2	8.4	12.6	16.9	21.1	25.3	29.5	33.7	37.9	56′
58′	42.2	84.4	126.6	4.2	8.4	12.7	16.9	21.1	25.3	29.5	33.8	38.0	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	91.4	182.7	274.1	9.1	18.3	27.4	36.5	45.7	54.8	63.9	73.1	82.2	0′
10′	91.2	182.5	273.7	9.1	18.2	27.4	36.5	45.6	54.7	63.9	73.0	82.1	10′
20′	91.1	182.2	273.3	9.1	18.2	27.3	36.4	45.6	54.7	63.8	72.9	82.0	20′
30′	91.0	182.0	273.0	9.1	18.2	27.3	36.4	45.5	54.6	63.7	72.8	81.9	30′
40′	90.9	181.7	272.6	9.1	18.2	27.3	36.3	45.4	54.5	63.6	72.7	81.8	40′
50′	90.8	181.5	272.3	9.1	18.2	27.2	36.3	45.4	54.5	63.5	72.6	81.7	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	42.3	84.5	126.8	4.2	8.5	12.7	16.9	21.1	25.4	29 6	33.8	38.0	0′
2′	42.3	84.6	126.9	4.2	8.5	12.7	16.9	21.2	25 4	29.6	33.9	38.1	2′
4′	42.4	84.7	127.1	4.2	8.5	12.7	16.9	21.2	25 4	29 7	33.9	38.1	4′
6′	42.4	84.8	127.3	4.2	8.5	12.7	17.0	21.2	25.5	29.7	33.9	38.2	6′
8′	42.5	84.9	127.4	4.2	8.5	12.7	17.0	21.2	25.5	29 7	34.0	38.2	8′
10′	42.5	85.1	127.6	4.3	8.5	12.8	17.0	21.3	25.5	29.8	34.0	38.3	10′
12′	42.6	85.2	127.7	4.3	8.5	12 8	17 0	21.3	25.5	29.8	34.1	38.3	12′
14′	42.6	85.3	127.9	4 3	8.5	12.8	17.1	21.3	25.6	29.8	34.1	38.4	14′
16′	42.7	85.4	128.1	4.3	8.5	12.8	17.1	21.3	25.6	29.9	34.1	38.4	16′
18′	42.7	85.5	128.2	4.3	8.5	12.8	17.1	21.4	25.6	29.0	34.2	38.5	18′
20′	42 8	85.6	128.4	4.3	8.5	12 8	17.1	21.4	25.7	30.0	34 2	38.5	20′
22′	42.8	85.7	128 5	4 3	8.6	12.9	17.1	21.4	25.7	30.0	34.3	38.6	22′
24′	42.9	85.8	128.7	4.3	8.6	12.9	17.2	21.4	25.7	30 0	34.3	38.6	24′
26′	42.9	85.9	128.8	4.3	8.6	12.9	17.2	21.5	25.8	30.1	34.4	38.7	26′
28′	43.0	86.0	129.0	4.3	8.6	12.9	17.2	21.5	25.8	30.1	34.4	38 7	28′
30′	43.1	86.1	129 2	4.3	8 6	12.9	17.2	21.5	25.8	30.1	34.4	38.7	30′
32′	43.1	86.2	129.3	4.3	8.6	12.9	17.2	21.6	25.9	30.2	34.5	38.8	32
34′	43.2	86.3	129.5	4.3	8.6	12.9	17.3	21.6	25.9	30.2	34.5	38.8	34′
36′	43.2	86.4	129.6	4.3	8.6	13.0	17.3	21.6	25.9	30.2	34.6	38.9	36′
38′	43 3	86.5	129.8	4.3	8.7	13 0	17.3	21.6	26.0	30.3	34.6	38.9	38′
40′	43 3	86 6	129.9	4.3	8.7	13.0	17.3	21.7	26.0	30.3	34.7	39.0	40′
42′	43.4	86.7	130.1	4.3	8.7	13.0	17.3	21.7	26.0	30.4	34.7	39.0	42′
44′	43 4	86.8	130.3	4.3	8.7	13.0	17.4	21.7	26.1	30.4	34.7	39.1	44′
46′	43.5	86.9	130.4	4.3	8.7	13.0	17.4	21.7	26.1	30.4	34.8	39.1	46′
48′	43.5	87.0	130 6	4.4	8.7	13.1	17.4	21.8	26.1	30.5	34.8	39.2	48′
50′	43.6	87.2	130.7	4.4	8.7	13.1	17.4	21.8	26.1	30.5	34.9	39.2	50′
52′	43 6	87 3	130 9	4.4	8.7	13.1	17.5	21.8	26.2	30.5	34.9	39.3	52′
54′	43.7	87.4	131.0	4.4	8.7	13.1	17.5	21.8	26.2	30.6	34.9	39.3	54′
56′	43.7	87.5	131.2	4.4	8.7	13.1	17.5	21 9	26.2	30.6	35.0	39.4	56′
58′	43.8	87.6	131 4	4.4	8.8	13.1	17.5	21.9	26.3	30.6	35 0	39.4	58,
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	90.6	181.3	271.9	9.1	18.1	27.2	36.3	45.3	54 4	63.4	72.5	81.6	0′
10′	90.5	181.0	271.5	9.1	18.1	27.2	36 2	45 3	54.3	63.4	72.4	81.5	10′
20′	90.4	180.8	271.1	9.0	18 1	27.1	36.2	45.2	54.2	63.3	72.3	81.3	20′
30′	90 3	180.5	270.8	9.0	18.1	27.1	36.1	45.1	54.2	63.2	72.2	81.2	30′
40′	90.1	180.3	270.4	9.0	18.0	27.0	36.1	45.1	54.1	63.1	72.1	81.1	40′
50′	90.0	180.0	270.0	9.0	18.0	27.0	36.0	45.0	54.0	63.0	72.0	81.0	50′

PERPUSTAKAAN NASIONAL
REPUBLIK INDONESIA

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	43.8	87.7	131.5	4.4	8.8	13.2	17.5	21.9	26.3	30.7	35.1	39.5	0′
2′	43.9	87.8	131.7	4.4	8.8	13.2	17.6	21.9	26.3	30.7	35.1	39.5	2′
4′	43.9	87.9	131.8	4.4	8.8	13.2	17.6	22.0	26.4	30.8	35 2	39.5	4′
6′	44.0	88.0	132.0	4,4	8.8	13.2	17.6	22.0	26.4	30.8	35.2	39.6	6′
8′	44.0	88.1	132.1	4.4	8.8	13.2	17.6	22.0	26.4	30.8	35.2	39.6	8′
10′	44.1	88.2	132.3	4.4	8.8	13.2	17.6	22·0	26.5	30.9	35.3	39.7	10′
12′	44.2	88.3	132.5	4.4	8.8	13.2	17.7	22.1	26.5	30.9	35.3	39.7	12′
14′	44.2	88.4	132.6	4.4	8.8	13.3	17.7	22.1	26.5	30.9	35.4	39.8	14′
16′	44.3	88.5	132.8	4·4	8.9	13.3	17.7	22.1	26.6	31.0	35.4	39.8	16′
18′	44.3	88.6	132.9	4.4	8.9	13.3	17.7	22.2	26.6	31.0	35.4	39.9	18′
20′	44.4	88.7	133,1	4.4	8.9	13.3	17.7	22.2	26.6	31 1	35.5	39.9	20′
22′	44.4	88.8	133.2	4.4	8.9	13.3	17.8	22.2	26.6	31.1	35.5	40.0	22′
24′	44.5	88.9	132.4	4.4	8.9	13.3	17.8	22.2	26.7	31.1	35.6	40.0	24′
26′	44.5	89.0	133.5	4.5	8.9	13.4	17.8	22.3	26.7	31.2	35.6	40 1	26′
28′	44.6	89.1	133.7	4.5	8.9	13.4	17.8	22.3	26.7	31.2	35.7	40.1	28′
30′	44.6	89.2	133.9	4.5	8.9	13.4	17.8	22.3	26.8	31.2	35.7	40.2	30′
32′	44.7	89.3	134.0	4.5	8.9	13.4	17.9	22.3	26.8	31.3	35.7	40.2	32′
34′	44.7	89.4	134.2	4.5	8.9	13.4	17.9	22.4	26.8	31.3	35.8	40.3	34′
36′	44.8	89.6	134.3	4.5	9.0	13.4	17.9	22.4	26.9	31.3	35.8	40.3	36′
38′	44.8	89.7	134.5	4.5	9.0	13.4	17.9	22.4	26.9	31.4	35.9	40.3	38′
40′	44.9	89.8	134.6	4.5	9.0	13.5	18.0	22.4	26.9	31.4	35.9	40.4	40′
42′	44.9	89.9	134.8	4.5	9.0	13.5	18.0	22.5	27.0	31.5	35.9	40.4	42′
44′	45.0	90.0	135.0	4.5	9.0	13.5	18.0	22.5	27.0	31.5	36.0	40.5	44′
46′	45.0	90.1	135.1	4.5	9.0	13.5	18.0	22.5	27.0	31.5	36.0	40.5	46′
48′	45.1	90.2	135.3	4.5	9.0	13.5	18.0	22.5	27.1	31.6	36.1	40.6	48′
50′	45.1	90.3	135.4	4.5	9.0	13.5	18.1	22.6	27.1	31.6	36.1	40.6	50′
52′	45.2	99.4	135.6	4.5	9.0	13.6	18.1	22.6	27.1	31.6	36.2	40.7	52′
54′	45.2	90.5	135.7	4.5	9.0	13.6	18.1	22.6	27.1	31.7	36.2	40.7	54′
56′	45.3	90.6	135.9	4.5	9.1	13.6	18.1	22.6	27.2	31.7	36.2	40.8	56′
58′	45.3	90.7	136.0	4.5	9.1	13.6	18.1	22.7	27.2	31.7	36.3	40.8	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	89.9	179 8	269.6	9.0	18.0	27.0	36.0	44.9	53.9	62.9	71.9	80.9	0′
10′	89.8	179.5	269.3	9.0	18.0	26.9	35.9	44.9	53.9	62.8	71.8	80.8	10′
20′	89.6	179.2	268.9	9.0	17.9	26.9	35.8	44.8	53.8	62.7	71.7	80.7	20′
30′	89.5	179.0	268.5	8.9	17.9	26.8	35.8	44.7	53.7	62 6	71.6	80 5	30′
40′	89.4	178.7	268.1	8.9	17.9	26.8	35.7	44.7	53.6	62.6	71.5	80.4	40′
50′	89.2	178.5	267.7	8.9	17.8	26.8	35.7	44.6	53.5	62.5	71.4	80.3	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	45.4	90.8	136.2	4.5	9.1	13.6	18.2	22.7	27.2	31.8	36.3	40.9	0′
2′	45.5	90.9	136.4	4.5	9.1	13.6	18.2	22.7	27.3	31.8	36.4	40.9	2′
4′	45.5	91.0	136.5	4.6	9.1	13,7	18.2	22.8	27.3	31.9	36.4	41.0	4′
6′	45.6	91.1	136.7	4.6	9.1	13.7	18.2	22.8	27.3	31.9	36.4	41.0	6′
8′	45.6	91.2	136.8	4.6	9.1	13.7	18.2	22.8	27.4	31.9	36.5	41.0	8′
10′	45.7	91.3	137.0	4.6	9.1	13.7	18.3	22.8	27.4	32.0	36.5	41.1	10′
12′	45.7	91.4	137.1	4.6	9.1	13.7	18.3	22.9	27.4	32.0	36.6	41.1	12′
14′	45.8	91.5	137.3	4.6	9.2	13.7	18.3	22.9	27.5	32.0	36.6	41.2	14′
16′	45.8	91.6	137.4	4.6	9.2	13.7	18.3	22.9	27.5	32.1	36.7	41.2	16′
18′	45.9	91.7	137.6	4.6	9.2	13.8	18.3	22.9	27,5	32.1	36.7	41.3	18′
20′	45.9	91.8	137.8	4.6	9.2	13.8	18.4	23.0	27.6	32.1	36.7	41.3	20′
22′	46.0	91.9	137.9	4.6	9.2	13.8	18.4	23.0	27.6	32.2	36.8	41.4	22′
24′	46.0	92.0	138.1	4.6	9.2	13.8	18.4	23.0	27.6	32.2	36.8	41.4	24′
26′	46.1	92.1	138.2	4.6	9.2	13.8	18.4	23.0	27.6	32.3	36.9	41.5	26′
28′	46.1	92.2	138.4	4.6	9.2	13.8	18.4	23.1	27.7	32.3	36.9	41.5	28′
30′	46.2	92.4	138.5	4.6	9.2	13.9	18.5	23.1	27.7	32.3	36.9	41.6	30′
32′	46.2	92.5	138.7	4.6	9.2	13.9	18.5	23.1	27.7	32.4	37.0	41.6	32′
34′	46.3	92.6	138.8	4.6	9.3	13.9	18.5	23.1	27.8	32.4	37.0	41.7	34′
36′	46.3	92.7	139.0	4.6	9.3	13.9	18.5	23.2	27.8	32.4	37.1	41.7	36′
38′	46.4	92.8	139.1	4.6	9.3	13.9	18.6	23.2	27.8	32.5	37.1	41.7	38′
40′	46.4	92.9	139.3	4.6	9.3	13.9	18.6	23.2	27.9	32.5	37.1	41.8	40′
42′	46.5	93.0	139.5	4.6	9.3	13.9	18.6	23.2	27.9	32.5	37.2	41.8	42′
44′	46.5	93.1	139.6	4.7	9.3	14.0	18.6	23.3	27.9	32.6	37.2	41.9	44′
46′	46.6	93.2	139.8	4.7	9.3	14.0	18.6	23.3	28.0	32.6	37.3	41.9	46′
48′	46.6	93.3	139.9	4.7	9.3	14.0	18.7	23.3	28.0	32.6	37.3	42.0	48′
50′	46.7	93.4	140.1	4.7	9.3	14.0	18.7	23.3	28.0	32.7	37.4	42.0	50′
52′	46.7	93.5	140.2	4.7	9.3	14.0	18.7	23.4	28.0	32.7	37.4	42.1	52′
54′	46.8	93.6	140.4	4.7	9.4	14.0	18.7	23.4	28.1	32.8	37.4	42.1	54′
56′	46.8	93.7	140.5	4.7	9.4	14.1	18.7	23.4	28.1	32.8	37.5	42.2	56′
58′	46.9	93.8	140.7	4.7	9.4	14.1	18.8	23.4	28.1	32.8	37.5	42.2	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	89.1	178.2	267.3	8.9	17,8	26.7	35.6	44.6	53.5	62.4	71.3	80.2	0′
10′	89.0	177.9	266.9	8.9	17.8	26.7	35.6	44.5	53.4	62.3	71.2	80.1	10′
20′	88.8	177.7	266.5	8.9	17.8	26.7	35.5	44,4	53.3	62.2	71.1	80.0	20′
30′	88.7	177.4	266.1	8.9	17.7	26.6	35.5	44.4	53.2	62.1	71.0	79.8	30′
40′	88.6	177.1	265.7	8.9	17.7	26.6	35.4	44.3	53.1	62.0	70.9	79.7	40′
50′	88.4	176.9	265.3	8.8	17.7	26.5	35.4	44.2	53.1	61.9	70.7	79.6	50′

PERPUSTAKAAN NASIONAL
REPUBLIK INDONESIA

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	46.9	93.9	140.8	4.7	9.4	14.1	18.8	23.5	28.2	32.9	37.6	42.3	0′
2′	47.0	94 0	141.0	4.7	9.4	14.1	18.8	23.5	28.2	32.9	37.6	42 3	2′
4′	47 0	94.1	141.2	4.7	9.4	14.1	18.8	23.5	28.2	32.9	37.6	42.3	4′
6′	47.1	94.2	141.3	4.7	9.4	14.1	18.8	23.6	28,3	33.0	37.7	42.4	6′
8′	47.2	94.3	141.5	4.7	9.4	14.1	18.9	23.6	28.3	33.0	37.7	42.4	8′
10′	47.2	94.4	141.6	4.7	9.4	14.2	18.9	23.6	28.3	33.0	37.8	42.5	10′
12′	47.3	94 5	141.8	4.7	9.5	14.2	18.9	23.6	28.4	33.1	37.8	42.5	12′
14′	47.3	94.6	141.9	4.7	9.5	14.2	18.9	23.7	28.4	33.1	37.8	42.6	14′
16′	47.4	94.7	142.1	4.7	9.5	14.2	18.9	23.7	28.4	33.2	37.9	42.6	16′
18′	47.4	94.8	142.2	4.7	9.5	14.2	19.0	23.7	28.4	33.2	37.9	42.7	18′
20′	47.5	94.9	142.4	4.7	9.5	14.2	19.0	23.7	28.5	33.2	38.0	42.7	20′
22′	47.5	95.0	142.5	4.8	9.5	14.3	19.0	23.8	28.5	33.3	38.1	42.8	22′
24′	47.6	95.1	142.7	4.8	9.5	14.3	19.0	23.8	28.5	33.3	38.1	42.9	24′
26′	47.6	95.2	142.8	4.8	9.5	14.3	19.0	23.8	28.6	33.3	38.1	42.9	26′
28′	47.7	95.3	143.0	4.8	9.5	14.3	19.1	23.8	28.6	33.4	38.1	42.9	28′
30′	47.7	95.4	143.1	4.8	9.5	14.3	19.1	23.9	28.6	33.4	38.2	42.9	30′
32′	47.8	95.5	143.3	4.8	9.6	14.3	19.1	23.9	28.7	33.4	38.2	43.0	32′
34′	47.8	95.6	143.5	4.8	9.6	14 3	19.1	23.9	28.7	33.5	38.3	43.0	34′
36′	47.9	95.7	143.6	4.8	9.6	14.4	19.1	23.9	28.7	33.5	38.3	43.1	36′
38′	47 9	95.8	143.8	4.8	9.6	14.4	19.2	24.0	28.8	33.5	38.3	43.1	38′
40′	48.0	95.9	143.9	4.8	9.6	14.4	19.2	24.0	28.8	33.6	38.4	43.2	40′
42′	48,0	96.0	144.1	4.8	9.6	14.4	19.2	24.0	28 8	33.6	38.4	43.2	42′
44′	48.1	96.1	144.2	4.8	9.6	14.4	19.2	24.0	28.8	33.7	38.5	43.3	44′
46′	48.1	96.2	144.4	4.8	9.6	14.4	19.2	24.1	28.9	33.7	38.5	43.3	46′
48′	48.2	96.4	144.5	4.8	9.6	14.5	19.3	24.1	28.9	33.7	38 5	43.4	48′
50′	48 2	96.5	144.7	4.8	9.6	14.5	19.3	24.1	28.9	33 8	38.6	43 4	50′
52′	48.3	96.6	144.8	4.8	9.7	14.5	19.3	24.1	29.0	33 8	38.6	43 4	52′
54′	48.3	96.7	145.0	4.8	9.7	14.5	19.3	24.2	29.0	33 8	38.7	43.5	54′
56′	48.4	96.8	145.1	4.8	9.7	14.5	19.4	24.2	29.0	33 9	38.7	43.5	56′
58′	48.4	96.9	145.3	4.8	9.7	14.5	19.4	24.2	29.1	33.9	38.7	43.6	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	88.3	176.6	264.9	8.8	17.7	26.5	35.3	44.1	53.0	61.8	70.6	79.5	0′
10′	88.2	176.3	264.5	8.8	17.6	26 4	35.3	44.1	52.9	61.7	70.5	79.3	10′
20′	88.0	176 0	264.1	8.8	17.6	26.4	35.2	44.0	52.8	61.6	70 4	79.2	20′
30′	87.9	175.8	263.6	8.8	17.6	26.4	35.2	43.9	52.7	61.5	70.3	79.1	30′
40′	87.7	175.5	263.2	8.8	17.5	26.3	35.1	43.9	52.6	61.4	70.2	79.0	40′
50′	87.6	175.2	262.8	8.8	17.5	26.3	35.0	43.8	52.6	61.3	70.1	79.8	50′

PERPUSTAKAAN NASIONAL
REPUBLIK INDONESIA

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	48.5	97.0	145.4	4.8	9.7	14.5	19.4	24.2	29.1	33.9	38.8	43.6	0′
2′	48.5	97.1	145.6	4.9	9.7	14.6	19.4	24.3	29.1	34.0	38.8	43.7	2′
4′	48.6	97.2	145.7	4.9	9.7	14.6	19.4	24.3	29.1	34.0	38.9	43.7	4′
6′	48.6	97.3	145.9	4.9	9.7	14.6	19.5	24.3	29.2	34.0	38.9	43.8	6′
8′	48.7	97.4	146.1	4.9	9.7	14.6	19.5	24.3	29.2	34.1	38.9	43.8	8′
10′	48.7	97.5	146.2	4.9	9.7	14.6	19.5	24.4	29.2	34.1	39.0	43.9	10′
12′	48.8	97.6	146.4	4.9	9.8	14.6	19.5	24.4	29.3	34.2	39.0	43.9	12′
14′	48.8	97.7	146.5	4.9	9.8	14.7	19.5	24.4	29.3	34.2	39.1	44.0	14′
16′	48.9	97.8	146.7	4.9	9.8	14.7	19.6	24.4	29.3	34.2	39.1	44.0	16′
18′	48.9	97.9	146.8	4.9	9.8	14.7	19.6	24.5	29.4	34.3	39.2	44.0	18′
20′	49.0	98.0	147.0	4.9	9.8	14.7	19.6	24.5	29.4	34.3	39.2	44.1	20′
22′	49.0	98.1	147.1	4.9	9.8	14.7	19.6	24.5	29.4	34.3	39.2	44.1	22′
24′	49.1	98.2	147.3	4.9	9.8	14.7	19.6	24.5	29.5	34.4	39.3	44.2	24′
26′	49.1	98.3	147.4	4.9	9.8	14.7	19.7	24.6	29.5	34.4	39.3	44.2	26′
28′	49.2	98.4	147.6	4.9	9.8	14.8	19.7	24.6	29.5	34.4	39.4	44.3	28′
30′	49.2	98.5	147.7	4.9	9.8	14.8	19.7	24.6	29.5	34.5	39.4	44.3	30′
32′	49.3	98.6	147.9	4.9	9.9	14.8	19.7	24.6	29.6	34.5	39.	44.4	32′
34′	49.3	98.7	148.0	4.9	9.9	14.8	19.7	24.7	29.6	34.5	39.5	44.4	34′
36′	49.4	98.8	148.2	4.9	9.9	14.8	19.8	24.7	29.6	34.6	39.5	44.5	36′
38′	49.4	98.9	148.3	4.9	9.9	14.8	19.8	24.7	29.7	34.6	39.6	44.5	38′
40′	49.5	99.0	148.5	4.9	9.9	14.8	19.8	24.7	29.7	34.6	39.6	44.5	40′
42′	49.5	99.1	148.6	5.0	9.9	14.9	19.8	24.8	29.7	34.7	39.6	44.6	42′
44′	49.6	99.2	148.8	5.0	8.9	14.9	19.8	24.8	29.8	34.7	39.7	44.6	44′
46′	49.6	99.3	148.9	5.0	9.9	14.9	19.9	24.8	29.8	34.8	39.7	44.7	46′
48′	49.7	99.4	149.1	5.0	9.9	14.9	19.9	24.8	29.8	34.8	39.8	44.7	48′
50′	49.7	99.5	149.2	5.0	9.9	14.9	19.9	24.9	29.8	34.8	39.8	44.8	50′
52′	49.8	99.6	149.4	5.0	10.0	14.9	19.9	24.9	29.9	34.9	39.8	44.8	52′
54′	49.8	99.7	149.5	5.0	10.0	15.0	19.9	24.9	29.9	34.9	39.9	44.9	54′
56′	49.9	99.8	149.7	5.0	10.0	15.0	20.0	24.9	29.9	34.9	39.9	44.9	56′
58′	49.9	99.9	149.8	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	87.5	174.9	262.4	8.7	17.5	26.2	35.0	43.7	52.5	61.2	70.0	78.7	0′
10′	87.3	174.6	262.0	8.7	17.5	26.2	34.9	43.7	52.4	61.1	69.9	78.6	10′
20′	87.2	174.4	261.5	8.7	17.4	26.2	34.9	43.6	52.3	61.0	69.7	78.5	20′
30′	87.0	174.1	261.1	8.7	17.4	26.1	34.8	43.5	52.2	60.9	69.6	78.3	30′
40′	86.9	173.8	260.7	8.7	17.4	26.1	34.8	43.4	52.1	60.8	69.5	78.2	40′
50′	86.7	173.5	260.2	8.7	17.3	26.0	34.7	43.4	52 0	60.7	69.4	78.1	50′

PERPUSTAKAAN NASIONAL
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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	50.0	100.0	150.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	0′
2′	50.1	100.1	150.2	5.0	10.0	15 0	20.0	25.0	30.0	35.0	40.0	45.0	2′
4′	50.1	100.2	150.3	5.0	10.0	15.0	20.0	25.1	30.1	35.1	40.1	45.1	4′
6′	50.2	100.3	150.5	5.0	10.0	15.0	20.1	25.1	30.1	35.1	40.1	45.1	6′
8′	50.2	100.4	150.6	5.0	10.0	15.1	20.1	25.1	30.1	35.1	40.2	45.2	8′
10′	50.3	100.5	150.8	5.0	10.1	15.1	20.1	25.1	30.2	35.2	40.2	45.2	10′
12′	50.3	100 6	150.9	5.0	10.1	15.1	20.1	25.2	30.2	35.2	40.2	45.3	12′
14′	50.4	100.7	151.1	5.0	10.1	15.1	20.1	25.2	30.2	35.2	40.3	45 3	14′
16′	50.4	100.8	151.2	5.0	10.1	15.1	20.2	25.2	30.2	35.3	40.3	45.4	16′
18′	50.5	100.9	151.4	5.0	10.1	15.1	20.2	25.2	30.3	35.3	40.4	45.4	18′
20′	50.5	101.0	151.5	5.1	10.1	15.2	20.2	25.3	30.3	35.4	40.4	45.5	20′
22′	50.6	101.1	151.7	5.1	10.1	15.2	20.2	25.3	30.3	35,4	40.4	45.5	22′
24′	50.6	101.2	151.8	5.1	10.1	15.2	20.2	25.3	30.4	35.4	40.5	45.5	24′
26′	50.7	101.3	152.0	5.1	10.1	15.2	20.3	25.3	30.4	35.5	40.5	45.6	26′
28′	50.7	101.4	152.1	5.1	10.1	15 2	20.3	25.4	30.4	35.5	40.6	45.6	28′
30′	50.8	101.5	152.3	5.1	10.2	15.2	20.3	25.4	30.5	35.5	40.6	45.7	30′
32′	50.8	101.6	152.4	5.1	10.2	15.2	20.3	25.4	30.5	35.6	40.6	45.7	32′
34′	50.9	101.7	152.6	5 1	10.2	15.3	20.3	25.4	30.5	35.6	40.7	45.8	34′
36′	50.9	101.8	152 7	5.1	10.2	15.3	20.4	25.5	30.5	35.6	40.7	45 8	36′
38′	51.0	101.9	152.9	5.1	10.2	15.3	20.4	25.5	30.6	35.7	40.8	45.9	38′
40′	51.0	102 0	153.0	5.1	10.2	15.3	20.4	25.5	30.6	35.7	40.8	45.9	40′
42′	51.1	102.1	153.2	5.1	10.2	15.3	20.4	25.5	30.6	35.7	40.8	45.9	42′
44′	51.1	102.2	153.3	5.1	10.2	15.3	20.4	25.6	30.7	35.8	40.9	46.0	44′
46′	51.2	102.3	153.5	5.1	10.2	15.3	20.5	25.6	30.7	35.8	40.9	46,0	46′
48′	51 2	102.4	153.6	5.1	10.2	15.4	20.5	25.6	30.7	35.8	41.0	46.1	48′
50′	51.3	102 5	153.8	5.1	10.3	15.4	20.5	25.6	30.8	35.9	41.0	46.1	50′
52′	51.3	102.6	153.9	5.1	10.3	15.4	20.5	25.7	30.8	35.9	41.0	46.2	52′
54′	51.4	102.7	154.1	5.1	10.3	15.4	20.5	25.7	30.8	35.9	41 1	46.2	54′
56′	51.4	102.8	154.2	5.1	10.3	15.4	20.6	25.7	30,8	36.0	41.1	46.3	56′
58′	51.5	102.9	154.4	5.1	10.3	15.4	20.6	25.7	30.9	36.0	41.2	46.3	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	86.6	173.2	259.8	8.7	17.3	26.0	34.6	43.3	52.0	60.6	69.3	77.9	0′
10′	86.5	172 9	259.4	8.6	17.3	25.9	34.6	43.2	51.9	60.5	69.2	77.8	10′
20′	86.3	172.6	258.9	8.6	17.3	25.9	34.5	43.2	51.8	60.4	69.0	77.7	20′
30′	86 2	172.3	258.5	8.6	17.2	25.8	34.5	43.1	51.7	60.3	68.9	77.5	30′
40′	86.0	172.0	258.0	8.6	17.2	25.8	34.4	43.0	51.6	60.2	68.8	77.4	40′
50′	85.9	171.7	257.6	8.6	17.2	25.8	34.3	42.9	51.5	60.1	68.7	77.3	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	51.5	103.0	154.5	5.2	10.3	15.5	20.6	25.8	30.9	36.1	41.2	46.4	0′
2′	51.6	103.1	154.7	5.2	10.3	15 5	20.6	25.8	30.9	36.1	41.2	46.4	2′
4′	51.6	103.2	154.8	5.2	10.3	15.5	20.6	25.8	31.0	36.1	41.3	46.4	4′
6′	51.7	103.3	155.0	5.2	10.3	15.5	20.7	25.8	31.0	36.2	41.3	46.5	6′
8′	51.7	103.4	155.1	5.2	10.3	15.5	20.7	25.9	31.0	36.2	41.4	46.5	8′
10′	51.8	103.5	155.3	5.2	10.4	15.5	20.7	25.9	31.1	36.2	41.4	46.6	10′
12′	51.8	103.6	155.4	5.2	10.4	15.5	20.7	25.9	31.1	36.3	41.4	46.6	12′
14′	51.9	103.7	155.6	5.2	10.4	15 6	20.7	25.9	31.1	36.3	41.5	46.7	14′
16′	51.9	103.8	155.7	5.2	10.4	15.6	20.8	26.0	31.1	36.3	41.5	46.7	16′
18′	52.0	103.9	155.9	5.2	10.4	15.6	20.8	26.0	31.2	36.4	41.6	46.8	18′
20′	52.0	104.0	156.0	5.2	10.4	15.6	20.8	26.0	31.2	36.4	41.6	46.8	20′
22′	52.1	104.1	156.2	5.2	10.4	15.6	20.8	26.0	31.2	36.4	41.6	46.8	22′
24′	52.1	104.2	156.3	5.2	10.4	15.6	20.8	26.1	31.3	36.5	41.7	46.9	24′
26′	52.2	104.3	156.5	5.2	10.4	15.6	20.9	26.1	31.3	36.5	41.7	46.9	26′
28′	52.2	104.4	156.6	5.2	10.4	15.7	20.9	26.1	31.3	36.5	41.8	47.0	28′
30′	52.2	104.5	156.8	5.2	10.5	15.7	20.9	26.1	31.3	36.6	41.8	47.0	30′
32′	52.3	104.5	156.9	5.2	10.5	15.7	20.9	26.1	31.4	36.6	41.8	47.1	32′
34′	52.3	104.7	157.0	5.2	10.5	15.7	20.9	26.2	31.4	36.6	41.9	47.1	34′
36′	52.4	104.8	157.2	5.2	10.5	15.7	21.0	26.2	31.4	36.7	41.9	47.2	36′
38′	52.4	104.9	157.3	5.2	10.5	15.7	21.0	26.2	31.5	36.7	42.0	47.2	38′
40′	52.5	105.0	157.5	5.2	10.5	15.7	21.0	26.2	31.5	36.7	42.0	47.2	40′
42′	52.5	105.1	157.6	5.3	10.5	15.8	21.0	26.3	31.5	36.8	42.0	47.3	42′
44′	52.6	105.2	157.8	5.3	10.5	15.8	21.0	26.3	31.6	36.8	42.1	47.3	44′
46′	52.6	105.3	157.9	5.3	10.5	15.8	21.1	26.3	31.6	36.9	42.1	47.4	46′
48′	52 7	105.4	158.1	5.3	10.5	15 8	21.1	26.3	31.6	36.9	42.2	47.4	48′
50′	52.7	105.5	158.2	5.3	10.5	15.8	21.1	26.4	31.6	36.9	42.2	47.5	50′
52′	52.8	105.6	158.4	5.3	10.6	15.8	21.1	26.4	31.7	37.0	42.2	47.5	52′
54′	52.8	105.7	158.5	5.3	10.6	15.9	21.1	26.4	31.7	37.0	42.3	47.6	54′
56′	52.9	105.8	158.7	5.3	10.6	15.9	21.2	26.4	31.7	37.0	42.3	47.6	56′
58′	52.9	105.9	158.8	5.3	10.6	15.9	21.2	26.5	31.8	37.1	42.4	47.6	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	85.7	171.4	257.2	8.6	17.1	25.7	34.3	42.9	51.4	60.0	68.6	77.1	0′
10′	85.6	171.1	256.7	8.6	17.1	25.7	34.2	42.8	51.3	59.9	68.5	77.0	10′
20′	85.4	170.8	256.2	8.5	17.1	25.6	34.2	42.7	51.2	59.8	68.3	76.9	20′
30′	85.3	170.5	255.8	8.5	17.1	25.6	34.1	42.6	51.2	59.7	68.2	76.7	30′
40′	85.1	170.2	255.3	8.5	17.0	25.5	34.0	42.6	51.1	59.6	68.1	76.6	40′
50′	85.0	169.9	254.9	8.5	17.0	25.5	34.0	42.5	51.0	59.5	68.0	76.5	50′

PERPUSTAKAAN NASIONAL
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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	53.0	106.0	159.0	5.3	10.6	15.9	21.2	26.5	31.8	37.1	42.4	47.7	0′
2′	53.0	106.1	159.1	5.3	10.6	15.9	21.2	26.5	31.8	37.1	42.4	47.7	2′
4′	53.1	106.2	159.3	5.3	10.6	15.9	21.2	26.5	31.9	37.2	42.5	47.8	4′
6′	53.1	106.3	159.4	5.3	10.6	15.9	21.3	26.6	31.9	37.2	42.5	47.8	6′
8′	53.2	106.4	159.6	5.3	10.6	16.0	21.3	26.6	31.9	37.2	42.6	47.9	8′
10′	53.2	106.5	159.7	5.3	10.6	16.0	21.3	26.6	31.9	37.3	42.6	47.9	10′
12′	53.3	106.6	159.9	5.3	10.7	16.0	21.3	26.6	32.0	37.3	42.6	48.0	12′
14′	53.3	106.7	160.0	5.3	10.7	16.0	21.3	26.7	32.0	37.3	42.7	48.0	14′
16′	53.4	106.8	160.2	5.3	10.7	16.0	21.4	26.7	32.0	37.4	42.7	48.0	16′
18′	53.4	106.9	160.3	5.3	10.7	16.0	21.4	26.7	32.1	37.4	42.7	48.1	18′
20′	53.5	107.0	160.5	5.3	10.7	16.0	21.4	26.7	32.1	37.4	42.8	48.1	20′
22′	53.5	107.1	160.6	5.3	10.7	16.1	21.4	26.8	32.1	37.5	42.8	48.2	22′
24′	53.6	107.2	160.7	5.3	10.7	16.1	21.4	26.8	32.1	37.5	42.9	48.2	24′
26′	53.6	107.3	160.9	5.3	10.7	16.1	21.5	26.8	32.2	37.5	42.9	48.3	26′
28′	53.7	107.4	161.0	5.4	10.7	16.1	21.5	26.8	32.2	37.6	42.9	48.3	28′
30′	53.7	107.5	161.2	5.4	10.7	16.1	21.5	26.9	32.2	37.6	43.0	48.4	30′
32′	53.8	107.6	161.3	5.4	10.8	16.1	21.5	26.9	32.3	37.6	43.0	48.4	32′
34′	53.8	107.7	161.5	5.4	10.8	16.1	21.5	26.9	32.3	37.7	43.1	48.4	34′
36′	53.9	107.8	161.6	5.4	10.8	16.2	21.6	26.9	32.3	37.7	43.1	48.5	36′
38′	53.9	107.9	161.8	5.4	10.8	16.2	21.6	27.0	32.4	37.7	43.1	48.5	38′
40′	54.0	108.0	161.9	5.4	10.8	16.2	21.6	27.0	32.4	37.8	43.2	48.6	40′
42′	54.0	108.0	162.1	5.4	10.8	16.2	21.6	27.0	32.4	37.8	43.2	48.6	42′
44′	54.1	108.1	162.2	5.4	10.8	16.2	21.6	27.0	32.4	37.9	43.3	48.7	44′
46′	54.1	108.2	162.4	5.4	10.8	16.2	21.6	27.1	32.5	37.9	43.3	48.7	46′
48′	54.2	108.3	162.5	5.4	10.8	16.3	21.7	27.1	32.5	37.9	43.3	48.8	48′
50′	54.2	108.4	162.7	5.4	10.8	16.3	21.7	27.1	32.5	38.0	43.4	48.8	50′
52′	54.3	108.5	162.8	5.4	10.9	16.3	21.7	27.1	32.6	38.0	43.4	48.8	52′
54′	54.3	108.6	163.0	5.4	10.9	16.3	21.7	27.2	32.6	38.0	43.5	48.9	54′
56′	54.4	108.7	163.1	5.4	10.9	16.3	21.7	27.2	32.6	38.1	43.5	48.9	56′
58′	54.4	108.8	163.2	5.4	10.9	16.3	21.8	27.2	32.6	38.1	43.5	49.0	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	84.8	169.6	254.4	8.5	17.0	25.4	33.9	42.4	50.9	59.4	67.8	76.3	0′
10′	84.7	169.3	254.0	8.5	16.9	25.4	33.9	42.3	50.8	59.3	67.7	76.2	10′
20′	84.5	169.0	253.5	8.4	16.9	25.3	33.8	42.2	50.7	59.1	67.6	76.0	20′
30′	84.3	168.7	253.0	8.4	16.9	25.3	33.7	42.2	50.6	59.0	67.5	75.9	30′
40′	84.2	168.4	252.5	8.4	16.8	25.3	33.7	42.1	50.5	58.9	67.3	75.8	40′
50′	84.0	168.1	252.1	8.4	16.8	25.2	33.6	42.0	50.4	58.8	67.2	75.6	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	54.5	108.9	163.4	5.4	10.9	16.3	21.8	27.2	32.7	38.1	43.6	49.0	0′
2′	54.5	109.0	163.5	5.5	10.9	16.4	21.8	27.3	32.7	38.2	43.6	49.1	2′
4′	54.6	109.1	163.7	5.5	10.9	16.4	21.8	27.3	32.7	38.2	43.6	49.1	4′
6′	54.6	109.2	163.8	5.5	10.9	16.4	21.8	27.3	32.8	38.2	43.7	49.1	4′
8′	54.7	109.3	164.0	5.5	10.9	16.4	21.9	27.3	32.8	38.3	43.7	49.2	8′
10′	54.7	109.4	164.1	5.5	10.9	16.4	21.9	27.4	32.8	38.3	43.8	49.2	10′
12′	54.8	109.5	164.3	5.5	11.0	16.4	21.9	27.4	32.9	38.3	43.8	49.3	12′
14′	54.8	109.6	164.4	5.5	11.0	16.4	21.9	27.4	32.9	38.4	43.8	49.3	14′
16′	54.9	109.7	164.6	5.5	11.0	16.5	21.9	27.4	32.9	38.4	43.9	49.4	16′
18′	54.9	109.8	164.7	5.5	11.0	16.5	22.0	27.5	32.9	38.4	43.9	49.4	18′
20′	55.0	109.9	164.9	5.5	11.0	16.5	22.0	27.5	33.0	38.5	44.0	49.5	20′
22′	52.0	110.0	165.0	5.5	11.0	16.5	22.0	27.5	33.0	38.5	44.0	49.5	22′
24′	55.0	110.1	165.1	5.5	11.0	16.5	22.0	27.5	33.0	38.5	44.0	49.5	24′
26′	55.1	110.2	165.3	5.5	11.0	16.5	22.0	27.5	33.1	38.6	44.1	49.6	26′
28′	55.1	110.3	165.4	5.5	11.0	16.5	22.1	27.6	33.1	38.6	44.1	49.6	28′
30′	55.2	110.4	165.6	5.5	11.0	16.6	22.1	27.6	33.1	38.6	44.2	49.7	30′
32′	55.2	110.5	165.7	5.5	11.0	16.6	22.1	27.6	33.1	38.7	44.2	49.7	32′
34′	55.3	110.6	165.9	5.5	11.1	16.6	22.1	27.6	33.2	38.7	44.2	49.8	34′
36′	55.3	110.7	166.0	5.5	11.1	16.6	22.1	27.7	33.2	38.7	44.3	49.8	36′
38′	55.4	110.8	166.2	5.5	11.1	16.6	22.2	27.7	33.2	38.8	44.3	49.8	38′
40′	55.4	110.9	166.3	5.5	11.1	16.6	22.2	27.7	33.3	38.8	44.3	49.9	40′
42′	55.5	111.0	166.5	5.5	11.1	16.6	22.2	27.7	33.3	38.8	44.4	49.9	42′
44′	55.5	111.1	166.6	5.6	11.1	16.7	22.2	27.8	33.3	39.9	44.4	50.0	44′
46′	55.6	111.2	166.7	5.6	11.1	16.7	22.2	27.8	33.3	39.9	44.5	50.0	46′
48′	55.6	111.3	166.9	5.6	11.1	16.7	22.3	27.8	33.4	38.9	44.5	50.1	48′
50′	55.7	111.4	167.0	5.6	11.1	16.7	22.3	27.8	33.4	39.0	44.5	50.1	50′
52′	55.7	111.5	167.2	5.6	11.1	16.7	22.3	27.9	33.4	39.0	44.6	50.2	52′
54′	55.8	111.5	167.3	5.6	11.2	16.7	22.3	27.9	33.5	39.0	44.6	50.2	54′
56′	55.8	111.6	167.5	5.6	11.2	16.7	22.3	27.9	33.5	39.1	44.7	50.2	56′
58′	55.9	111.7	167.6	5.6	11.2	16.8	22.3	27.9	33.5	39.1	44.7	50.3	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	83.9	167.7	251.6	8.4	16.8	25.2	33.5	41.9	50.3	58.7	67.1	75.5	0′
10′	83.7	167.4	251.1	8.4	16.7	25.1	33.5	41.9	50.2	58.6	67.0	75.3	10′
20′	83.5	167.1	250.6	8.4	16.7	25.1	33.4	41.8	50.1	58.5	66.8	75.2	20′
30′	83.4	166.8	250.2	8.3	16.7	25.0	33.4	41.7	50.0	58.4	66.7	75.0	30′
40′	83.2	166.5	249.7	8.3	16.6	25.0	33.3	41.6	49.9	58.3	66.6	74.9	40′
50′	83.1	166.1	249.2	8.3	16.6	24.9	33.2	41.5	49.8	58.1	66.5	74.8	50′

PERPUSTAKAAN NASIONAL
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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	55.9	111.8	167.8	5.6	11.2	16.8	22.4	28.0	33.6	39.1	44.7	50.3	0′
2′	56.0	111.9	167.9	5.6	11.2	16.8	22.4	28.0	33.6	39.2	44.8	50.4	2′
4′	56.0	112.0	168 0	5.6	11.2	16.8	22.4	28.0	33.6	39.2	44.8	50.4	4′
6′	56.1	112.1	168.2	5.6	11.2	16.8	22.4	28.0	33.6	39.2	44.9	50.5	6′
8′	56.1	112.3	168.3	5.6	11.2	16.8	22.4	28.1	33.7	39.3	44.9	50.5	8′
10′	56.2	112.3	168.5	5.6	11.2	16.8	22.5	28.1	33.7	39.3	44.9	50.5	10′
12′	56.2	112.4	168.6	5.6	11.2	16.9	22.5	28.1	33.7	39.3	45.0	50.6	12′
14′	56.3	112.5	168.8	5.6	11.3	16.9	22.5	28.1	33.8	39.4	45.0	50.6	14′
16′	56.3	112.6	168.9	5.6	11.3	16.9	22.5	28.2	3.38	39.4	45.0	50.7	16′
18′	56.4	112.7	169.1	5.6	11.3	16.9	22.5	28.2	33.8	39.4	45.1	50.7	18′
20′	56.4	112.8	169.2	5.6	11.3	16.9	22.6	28.2	33.8	39.5	45.1	50.8	20′
22′	56.4	112.9	169.3	5.6	11.3	16.9	22.6	28.2	34.9	39.5	45.2	50.8	22′
24′	56.5	113.0	169.5	5.6	11.3	16.9	22.6	28.2	33.9	39.5	45.2	50.8	24′
26′	56.5	113.1	169.6	5.7	11.3	17.0	22.6	28.3	33.9	39.6	45.2	50.9	26′
28′	56.6	113.2	169.8	5.7	11.3	17.0	22.6	28.3	34.0	39.6	45.3	50.9	28′
30′	56.6	113.3	169.9	5.7	11.3	17.0	22.7	28.3	34.0	39.6	45.3	51.0	30′
32′	56.7	113.4	170.1	5.7	11.3	17.0	22.7	28.3	34.0	39.7	45.4	51.0	32′
34′	56.7	113.5	170.2	5.7	11.3	17.0	22.7	28.4	34.0	39.7	45.4	51.1	34′
36′	56.8	113.6	170.4	5.7	11.4	17.0	22.7	28.4	34.1	39.7	45.4	51.1	36′
38′	56.8	113.7	170.5	5.7	11.4	17.0	22.7	28.4	34.1	39.8	45.5	51.1	38′
40′	56.9	113 8	170.6	5.7	11.4	17.1	22.8	28.4	34.1	39.8	45.5	51.2	40′
42′	56.9	113.9	170.8	5.7	11.4	17.1	22.8	28.5	34.2	39.8	45.5	51.2	42′
44′	57.0	114.0	170.9	5.7	11.4	17.1	22.8	28.5	34.2	39.9	45.6	51.3	44′
46′	57.0	114.0	171.1	5.7	11.4	17.1	22.8	28.5	34.2	39.9	45.6	51.3	46′
48′	57.1	114.1	171.2	5.7	11.4	17.1	22.8	28.5	34.2	39.9	45.7	51.4	48′
50′	57.1	114.2	171.4	5.7	11.4	17.1	22.8	28.6	34.3	40.0	45.7	51.4	50′
52′	57.2	114.3	171.5	5.7	11.4	17.2	22.9	28.6	34.3	40.0	45.7	51.5	52′
54′	57.2	114.4	171.6	5.7	11.4	17.2	22.9	28.6	34.3	40.1	45.8	51.5	54′
56′	57.3	114.5	171.8	5.7	11.5	17.2	22.9	28.6	34.4	40.1	45.8	51.5	56′
58′	57.3	114.6	171.9	5.7	11.5	17.2	22.9	28.7	34.4	40.1	45.8	51.6	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	82.9	165.8	248.7	8.3	16.6	24.9	33.2	41.5	49.7	58.0	66.3	74.6	0′
10′	82.7	165.5	248.2	8.3	16.5	24.8	33.1	41.4	49.6	57.9	66.2	74.5	10′
20′	82.6	165.2	247.7	8.3	16.5	24.8	33.0	41.3	49.5	57.8	66.1	74.3	20′
30′	82.4	164.8	247.2	8.2	16.5	24.7	33.0	41.2	49.4	57.7	65.9	74.2	30′
40′	82.2	164.5	246.7	8.2	16.4	24.7	32.9	41.1	49.3	57.6	65.8	74.0	40′
50′	82.1	164.2	246.2	8.2	16.4	24.6	32.8	41.0	49.2	57.5	65.7	73.9	50′

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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	57.4	114.7	172.1	5.7	11.5	17.2	22.9	28.7	34.4	40.2	45.9	51.6	0′
2′	57.4	114.8	172.2	5.7	11.5	17.2	23.0	28.7	34.4	40 2	45.9	51.7	2′
4′	57.5	114.9	172.4	5.7	11.5	17.2	23.0	28.7	34.5	40.2	46.0	51.7	4′
6′	57.5	115.0	172.5	5.8	11.5	17.3	23.0	28.8	34.5	40.3	46.0	51.8	6′
8′	57.5	115.1	172.6	5.8	11.5	17.3	23.0	28.8	34.5	40.3	46.0	51.8	8′
10′	57.6	115.2	172.8	5.8	11.5	17.3	23.0	28.8	34.6	40.3	46.2	51.8	10′
12′	57.6	115.3	172.9	5.8	11.5	17.3	23.1	28 8	34.6	40.4	46.1	51.9	12′
14′	57.7	115.4	173.1	5.8	11.5	17.3	23.1	28.8	34.6	40.4	46.2	51.9	14′
16′	57.7	115.5	173.2	5.8	11.5	17.3	23.1	28.9	34.6	40.4	46.2	52.0	16′
18′	57.8	115.6	173.4	5.8	11.6	17.3	23 1	28.9	34.7	40.5	46.2	52.0	18′
20′	57.8	115.7	173.5	5.8	11.6	17.4	23.1	28.9	34.7	40.5	46.3	52.0	20′
22′	57.9	115.8	173.6	5.8	11.6	17.4	23.2	28.9	34.7	40.5	46.3	52.1	22′
24′	57.9	115.9	173.8	5.8	11.6	17 4	23.2	29.0	34 8	40.5	46.3	52.1	24′
26′	58.0	116.0	173.9	5.8	11.6	17.4	23.2	29.0	34.8	40.6	46.4	52.2	26′
28′	58.0	116.0	174.1	5.8	11.6	17.4	23.2	29.0	34.8	40.6	46.4	52.2	28′
30′	58.1	116.1	174.2	5.8	11.6	17.4	23.2	29.0	34 8	40.6	46.5	52.3	30′
32′	58.1	116.2	174.4	5.8	11.6	17.4	23.2	29.1	34.9	40.7	46.5	52.3	32′
34′	58.2	116.3	174.5	5.8	11.6	17.4	23.3	29.1	34.9	40.7	46.5	52.3	34′
36′	58.2	116.4	174 6	5.8	11.6	17.5	23.3	29.1	34.9	40.7	46.6	52.4	36′
38′	58.3	116.5	174.8	5.8	11.7	17.5	23.3	29.1	35.0	40.8	46.6	52.4	38′
40′	58.3	116.6	174.9	5.8	11.7	17.5	23 3	29.2	35.0	40.8	46.6	52.5	40′
42′	58 4	116.7	175.1	5.8	11.7	17.5	23.3	29.2	35.0	40.8	46.7	52.5	42′
44′	58.4	116.8	175.2	5.8	11.7	17.5	23.4	29.2	35.0	40.9	46.7	52.6	44′
46′	58.4	116.9	175 3	5.8	11.7	17.5	23.4	29.2	35.1	40.9	46.8	52.6	46′
48′	58.5	117.0	175.5	5.8	11.7	17.5	23.4	29.2	35.1	40.9	46.8	52.6	48′
50′	58.5	117.1	175.6	5.9	11.7	17.6	23.4	29.3	35.1	41.0	46.8	52.7	50′
52′	58.6	117.2	175.8	5.9	11.7	17.6	23.4	29.3	35.2	41.0	46.9	52.7	52′
54′	58.6	117.3	175 9	5.9	11.7	17.6	23.5	29.3	35.2	41.0	46.9	52.8	54′
56′	58.7	117.4	176.1	5.9	11.7	17.6	23.5	29.3	35.2	41.1	46.9	52.8	56′
58′	58.7	117.5	176.2	5.9	11.7	17.6	23.5	29.4	35.2	41.1	47.0	52.9	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	81.9	163.8	245.7	8.2	16.4	24.6	32.8	41 0	49.1	57.3	65.5	73.7	0′
10′	81.7	163.5	245 2	8.2	16.3	24.5	32.7	40.9	49.0	57.2	65.4	73.6	10′
20′	81.6	163.2	244.7	8.2	16.3	24.5	32.6	40.8	48.9	57.1	65.3	73.4	20′
30′	81.4	162.8	244.2	8.1	16.3	24.4	32.6	40.7	48.8	57.0	65.1	73.3	30′
40′	81.2	162.5	243.7	8.1	16.2	24.4	32.5	40.6	48.7	56.9	65.0	73.1	40′
50′	81.1	162.1	243.2	8.1	16.2	24.3	32.4	40.5	48.6	56.8	64.9	73.0	50′

PERPUSTAKAAN NASIONAL
REPUBLIK INDONESIA

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	58.8	117.6	176.3	5.9	11.8	17.6	23.5	29.4	35.3	41.1	47.0	52.9	0′
2′	58.8	117.7	176.5	5.9	11.8	17.6	23.5	29.4	35.3	41.2	47.1	52.9	2′
4′	58.9	117.7	176.6	5.9	11.8	17.7	23.5	29.4	35.3	41.2	47.1	53.0	4′
6′	58.9	117.8	176.8	5.9	11.8	17.7	23.6	29.5	35.4	41.2	47.1	53.0	6′
8′	59.0	117.9	176.9	5.9	11.8	17.7	23.6	29.5	35.4	41.3	47.2	53.1	8′
10′	59.0	118.0	177.0	5.9	11.8	17.7	23.6	29.5	35.4	41.3	47.2	53.1	10′
12′	59.1	118.1	177.2	5.9	11.8	17.7	23.6	29.5	35.4	41.3	47.2	53.2	12′
14′	59.1	118.2	177.3	5.9	11.8	17.7	23.6	29.6	35.5	41.4	47.3	53.2	14′
16′	59.2	118.3	177.5	5.9	11.8	17.7	23.7	29.6	35.5	41.4	47.3	53.2	16′
18′	59.2	118.4	177.6	5.9	11.8	17.7	23.7	29.6	35.5	41.4	47.4	53.3	18′
20′	59.2	118.5	177.7	5.9	11.8	17.7	23.7	29.6	35.5	41.5	47.4	53.3	20′
22′	59.3	118.6	177.9	5.9	11.9	17.7	23.7	29.6	35.6	41.5	47.4	53.4	22′
24′	59.3	118.7	178.0	5.9	11.9	17.8	23.7	29.7	35.6	41.5	47.5	53.4	24′
26′	59.4	118.8	178.2	5.9	11.9	17.8	23.8	29.7	35.6	41.6	47.5	53.4	26′
28′	59.4	118.9	178.3	5.9	11.9	17.8	23.8	29.7	35.7	41.6	47.5	53.5	28′
30′	59.5	119.0	178.4	5.9	11.9	17.8	23.8	29.7	35.7	41.6	47.6	53.5	30′
32′	59.5	119.1	178.6	6.0	11.9	17.9	23.8	29.8	35.7	41.7	47.6	53.6	32′
34′	59.6	119.2	178.7	6.0	11.9	17.9	23.8	29.8	35.7	41.7	47.7	53.6	34′
36′	59.6	119.2	178.9	6.0	11.9	17.9	23.8	29.8	35.8	41.7	47.7	53.7	36′
38′	59.7	119.3	179.0	6.0	11.9	17.9	23.9	29.8	35.8	41.8	47.7	53.7	38′
40′	59.7	119.4	179.1	6.0	11.9	17.9	23.9	29.9	35.8	41.8	47.8	53.7	40′
42′	59.8	119.5	179.3	6.0	12.0	17.9	23.9	29.9	35.9	41.8	47.8	53.8	42′
44′	59.8	119.6	179.4	6.0	12.0	17.9	23.9	29.9	35.9	41.9	47.8	53.8	44′
46′	59.9	119.7	179.6	6.0	12.0	18.0	23.9	29.9	35.9	41.9	47.9	53.9	46′
48′	59.9	119.8	179.7	6.0	12.0	18.0	24.0	30.0	35.9	41.9	47.9	53.9	48′
50′	59.9	119.9	179.8	6.0	12.0	18.0	24.0	30.0	36.0	42.0	48.0	54.0	50′
52′	60.0	120.0	180.0	6.0	12.0	18.0	24.0	30.0	36.0	42.0	48.0	54.0	52′
54′	60.0	120.1	180.1	6.0	12.0	18.0	24.0	30.0	36.0	42.0	48.0	54.0	54′
56′	60.1	120.2	180.3	6.0	12.0	18.0	24.0	30.0	36.1	42.1	48.1	54.1	56′
58′	60.1	120.3	180.4	6.0	12.0	18.0	24.1	30.1	36.1	42.1	48.1	54.1	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	80.9	161.8	242.7	8.1	16.2	24.3	32.4	40.5	48.5	56.7	64.7	72.8	0′
10′	80.7	161.5	242.2	8.1	16.1	24.2	32.3	40.4	48.4	56.5	64.6	72.7	10′
20′	80.6	161.1	241.7	8.1	16.1	24.2	32.2	40.3	48.3	56.4	64.4	72.5	20′
30′	80.4	160.8	241.2	8.0	16.1	24.1	32.2	40.2	48.2	56.3	64.3	72.3	30′
40′	80.2	160.4	240.6	8.0	16.0	24.1	32.1	40.1	48.1	56.1	64.2	72.2	40′
50′	80.0	160.1	240.1	8.0	16.0	24.0	32.0	40.0	48.0	56.0	64.0	72.0	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	60.2	120.4	180.5	6.0	12.0	18.1	24.1	30.1	36.1	42 1	48.1	54.2	0′
2′	60.2	120.5	180.7	6.0	12.0	18.1	24.1	30.1	36 1	42.2	48.2	54.2	2′
4′	60.3	120.5	180.8	6.0	12.1	18.1	24.1	30.1	36 2	42 2	48.2	54.2	4′
6′	60.3	120 6	181.0	6.0	12.1	18.1	24.1	30.2	36.2	42.2	48.3	54.3	6′
8′	60.4	120.7	181.1	6.0	12.1	18.1	24.1	30.2	36.2	42.3	48.3	54.3	8′
10′	60.4	120.8	181.2	6.0	12.1	18.1	24.2	30 2	36.2	42.3	48.3	54.4	10′
12′	60.5	120.9	181.4	6.0	12.1	18 1	24.2	30.2	36.3	42.3	48.4	54.4	12′
14′	60.5	121.0	181.5	6.1	12.1	18.2	24.2	30.3	36.3	42.4	48.4	54.5	14′
16′	60.6	121.1	181.7	6.1	12.1	18.2	24.2	30.3	36.3	42.4	48.4	54.5	16′
18′	60.6	121.2	181.8	6.1	12.1	18.2	24.2	30.3	36.4	42 4	48.5	54.5	18′
20′	60 6	121.3	181.9	6.1	12.1	18 2	24.3	30.3	36.4	42.5	48 5	54.6	20′
22′	60.7	121.4	182.1	6 1	12.1	18.2	24.3	30.3	36.4	42.5	48.6	54.6	22′
24′	60.7	121.5	182.2	6.1	12.1	18.2	24.3	30.4	36.4	42.5	48.6	54.7	24′
26′	60.8	121.6	182.4	6.1	12.2	18.2	24.3	30.4	36 5	42.5	48.6	54.7	26′
28′	60.8	121.7	182.5	6.1	12.2	18.2	24.3	30.4	36.5	42.6	48.7	54 7	28′
30′	60.9	121.8	182 6	6.1	12 2	18.3	24.4	30.4	36.5	42 6	48.7	54.8	30′
32′	60.9	121.8	182.8	6.1	12.2	18.3	24.4	30.5	36.6	42.6	48.7	54.8	32
34′	61.0	121.9	182.9	6.1	12.2	18.3	24.4	30.5	36.6	42.7	48.8	54.9	34′
36′	61.0	122.0	183.0	6.1	12.2	18.3	24.4	30.5	36.6	42.7	48.8	54.9	36′
38′	61.1	122.1	183.2	6.1	12.2	18.3	24.4	30.5	36.6	42.7	48.8	55.0	38′
40′	61.1	122 2	183.3	6.1	12.2	18.3	24.4	30.5	36.7	42.8	48.9	55.0	40′
42′	61.2	122.3	183.5	6.1	12.2	18.3	24.5	30.6	36.7	42.8	48.9	55.0	42′
44′	61 2	122.4	183.6	6.1	12.2	18.4	24.5	30.6	36.7	42.8	49.0	55.1	44′
46′	61.2	122.5	183.7	6.1	12.2	18.4	24.5	30.6	36.7	42.9	49.0	55.1	46′
48′	61.3	122.6	183 9	6.1	12.3	18.4	24.5	30.6	36.8	42.9	49.0	55.2	48′
50′	61.3	122.7	184 0	6.1	12.3	18.4	24.5	30.7	36.8	42.9	49.1	55.2	50′
52′	61·4	122 8	184.1	6.1	12.3	18.4	24.6	30.7	36.8	43.0	49.1	55.2	52′
54′	61.4	122.9	184.3	6.1	12.3	18.4	24.6	30 7	36.9	43.0	49.1	55.3	54′
56′	61.5	122.9	184 4	6.1	12.3	18.4	24.6	30.7	36.9	43.0	49.2	55.3	56′
85′	61.5	123.0	184.6	6.2	12.3	18.5	24.6	30.8	36.9	43.1	49.2	55.4	58,
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	79.9	159.7	239.6	8.0	16 0	24.0	31.9	39.9	47.9	55.9	63.9	71.9	0′
10′	79.7	159.4	239.1	8.0	15.9	23.9	31 9	39 8	47.8	55.8	63.8	71.7	10′
20′	79.5	159.0	238.5	8.0	15.9	23.9	31.8	39.8	47.7	55.7	63.6	71.6	20′
30′	79.3	158.7	238.0	7.9	15.9	23.8	31.7	39.7	47.6	55.5	63.5	71.4	30′
40′	79.2	158.3	237.5	7.9	15.8	23.7	31.7	39.6	47.5	55.4	63.3	71.2	40′
50′	79.0	158.0	236.9	7.9	15.8	23.7	31.6	39.5	47.4	55.3	63.2	71.1	50′

PERPUSTAKAAN NASIONAL
REPUBLIK INDONESIA

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	61.6	123.1	184.7	6.2	12.3	18.5	24.6	30.8	36.9	43.1	49.3	55.4	0′
2′	61.6	123.2	184.8	6.2	12.3	18.5	24.6	30.8	37.0	43.1	49.3	55.5	2′
4′	61.7	123.3	185.0	6.2	12.3	18.5	24.7	30.8	37.0	43.2	49.3	55.5	4′
6′	61.7	123.4	185.1	6.2	12.3	18.5	24.7	30.9	37.0	43.2	49.4	55.5	6′
8′	61.7	123.5	185.2	6.2	12.3	18.5	24.7	30.9	37.0	43.2	49.4	55.6	8′
10′	61.8	123.6	185.4	6.2	12.4	18.5	24.7	30.9	37.1	43.3	49.4	55.6	10′
12′	61.8	123.7	185.5	6.2	12.4	18.6	24.7	30.9	37.1	43.3	49.5	55.7	12′
14′	61.9	123.8	185.7	6.2	12.4	18.6	24.8	30.9	37.1	43.3	49.5	55.7	14′
16′	61.9	123.9	185.8	6.2	12.4	18.6	24.8	31.0	37.2	43.4	49.5	55.7	16′
18′	62.0	124.0	185.9	6.2	12.4	18.6	24.8	31.0	37.2	43.4	49.6	55.8	18′
20′	62.0	124.0	186.1	6.2	12.4	18.6	24.8	31.0	37.2	43.4	49.6	55.8	20′
22′	62.1	124.1	186.2	6.2	12.4	18.6	24.8	31.0	37.2	43.4	49.7	55.9	22′
24′	62.1	124.2	186.3	6.2	12.4	18.6	24.8	31.1	37.3	43.5	49.7	55.9	24′
26′	62.2	124.3	186.5	6.2	12.4	18.6	24.9	31.1	37.3	43.5	49.7	55.9	26′
28′	62.2	124.4	186.6	6.2	12.4	18.7	24.9	31.1	37.3	43.5	49.8	56.0	28′
30′	62.3	124.5	186.8	6.2	12.5	18.7	24.9	31.1	37.4	43.6	49.8	56.0	30′
32′	62.3	124.6	186.9	6.2	12.5	18.7	24.9	31.1	37.4	43.6	49.8	56.1	32′
34′	62.3	124.7	187.0	6.2	12.5	18.7	24.9	31.2	37.4	43.6	49.9	56.1	34′
36′	62.4	124.8	187.2	6.2	12.5	18.7	25.0	31.2	37.4	43.7	49.9	56.1	36′
38′	62.4	124.9	187.3	6.2	12.5	18.7	25.0	31.2	37.5	43.7	49.9	56.2	38′
40′	62.5	125.0	187.4	6.2	12.5	18.7	25.0	31.2	37.5	43.7	50.0	56.2	40′
42′	62.5	125.0	187.6	6.3	12.5	18.8	25.0	31.3	37.5	43.8	50.0	56.3	42′
44′	62.6	125.1	187.7	6.3	12.5	18.8	25.0	31.3	37.5	43.8	50.1	56.3	44′
46′	62.6	125.2	187.8	6.3	12.5	18.8	25.0	31.3	37.6	43.8	50.1	56.4	46′
48′	62.7	125.3	188.0	6.3	12.5	18.8	25.1	31.3	37.6	43.9	50.1	56.4	48
50′	62.7	125.4	188.1	6.3	12.5	18.8	25.1	31.4	37.6	43.9	50.2	56.4	50′
52′	62.8	125.5	188.3	6.3	12.6	18.8	25.1	31.4	37.7	43.9	50.2	56.5	52′
54′	62.8	125.6	188.4	6.3	12.6	18.8	25.1	31.4	37.7	44.0	50.2	56.5	54′
56′	62.8	125.7	188.5	6.3	12.6	18.8	25.1	31.4	37.7	44.0	50.3	56.6	56′
58′	62.9	125.8	188.7	6.3	12.6	18.9	25.2	31.4	37,7	44.0	50.3	56.6	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	78.8	157.6	236.4	7.9	15.8	23.6	31.5	39.4	47.3	55.2	63.0	70.9	0′
10′	78.6	157.2	235.9	7.9	15.7	23.6	31.4	39.3	47.2	55.0	62.9	70.8	10′
20′	78.4	156.9	235.3	7.8	15.7	23.5	31.4	39.2	47.1	54.9	62.8	70.6	20′
30′	78.3	156.5	234.8	7.8	15.7	23.5	31.3	39.1	47.0	54.8	62.6	70.4	30′
40′	78.1	156.2	234.2	7.8	15.6	23.4	31.2	39.0	46.8	54.7	62.5	70.3	40′
50′	77.9	155.8	233.7	7.8	15.6	23.4	31.2	38.9	46.7	54.5	62.3	70.1	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	62.9	125.9	188.8	6.3	12.6	18.9	25.2	31.5	37.8	44.1	50.3	56.6	0′
2′	63.0	126.0	188.9	6.3	12.6	18.9	25.2	31.5	37.8	44.1	50.4	56.7	2′
4′	63.0	126.0	189.1	6.3	12.6	18.9	25.2	31.5	37.8	44.1	50.4	56.7	4′
6′	63.1	126.1	189.2	6.3	12.6	18.9	25.2	31.5	37.8	44.1	50.5	56.8	6′
8′	63.1	126.2	189.3	6.3	12.6	18.9	25.2	31.6	37.9	44.2	50.5	56.8	8′
10′	63.2	126.3	189.5	6.3	12.6	18.9	25.3	31.6	37.9	44.2	50.5	56.8	10′
12′	63.2	126.4	189.6	6.3	12.6	19.0	25.3	31.6	37.9	44.2	50.6	56.9	12′
14′	63.2	126.5	189.7	6.3	12.6	19.0	25.3	31.6	37.9	44.3	50.6	56.9	14′
16′	63.3	126.6	189.9	6.3	12.7	19.0	25.3	31.6	38.0	44.3	50.6	57.0	16′
18′	63.3	126.7	190.0	6.3	12.7	19.0	25.3	31.7	38.0	44.3	50.7	57.0	18′
20′	63.4	126.8	190.1	6.3	12.7	19.0	25.4	31.7	38.0	44.4	50.7	57.0	20′
22′	63.4	126.9	190.3	6.3	12.7	19.0	25.4	31.7	38.1	44.4	50.7	57.1	22′
24′	63.5	126.9	190.4	6.3	12.7	19.0	25.4	31.7	38.1	44.4	50.8	57.1	24′
26′	63.5	127.0	190.6	6.4	12.7	19.1	25.4	31.8	38.1	44.5	50.8	57.2	26′
28′	63.6	127.1	190.7	6.4	12.7	19.1	25.4	31.8	38.1	44.5	50.9	57.2	28′
30′	63.6	127.2	190.8	6.4	12.7	19.1	25.4	31.8	38.2	44.5	50.9	57.2	30′
32′	63.7	127.3	191.0	6.4	12.7	19.1	25.5	31.8	38.2	44.6	50.9	57.3	32′
34′	63.7	127.4	191.1	6.4	12.7	19.1	25.5	31.8	38.2	44.6	51.0	57.3	34′
36′	63.7	127.5	191.2	6.4	12.7	19.1	25.5	31.9	38.2	44.6	51.0	57.4	36′
38′	63.8	127.6	191.4	6.4	12.8	19.1	25.5	31.9	38.3	44.7	51.0	57.4	38′
40′	63.8	127.7	191.5	6.4	12.8	19.1	25.5	31.9	38.3	44.7	51.1	57.4	40′
42′	63.9	127.8	191.6	6.4	12.8	19.2	25.6	31.9	38.3	44.7	51.1	57.5	42′
44′	63.9	127.8	191.8	6.4	12.8	19.2	25.6	32.0	38.4	44.7	51.1	57.5	44′
46′	64.0	127.9	191.9	6.4	12.8	19.2	25.6	32.0	38.4	44.8	51.2	57.6	46′
48′	64.0	128.0	192.0	6.4	12.8	19.2	25.6	32.0	38.4	44.8	51.2	57.6	48′
50′	64.1	128.1	192.2	6.4	12.8	19.2	25.6	32.0	38.4	44.8	51.2	57.7	50′
52′	64.1	128.2	192.3	6.4	12.8	19.2	25.6	32.1	38.5	44.9	51.3	57.7	52′
54′	64.1	128.3	192.4	6.4	12.8	19.2	25.7	32.1	38.5	44.9	51.3	57.7	54′
56′	64.2	128.4	192.6	6.4	12.8	19.3	25.7	32.1	38.5	44.9	51.4	57.8	56′
58′	64.2	128.5	192.7	6.4	12.8	19.3	25.7	32.1	38.5	45.0	51.4	57.8	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	77.7	155.4	233.1	7.8	15.5	23.3	31.1	38.9	46.6	54.4	62.2	69.9	0′
10′	77.5	155.1	232.6	7.8	15.5	23.3	31.0	38.8	46.5	54.3	62.0	69.8	10′
20′	77.3	154.7	232.0	7.7	15.5	23.2	30.9	38.7	46.4	54.1	61.9	69.6	20′
30′	77.2	154.3	231.5	7.7	15.4	23.1	30.9	38.6	46.3	54.0	61.7	69.4	30′
40′	77.0	154.0	230.9	7.7	15.4	23.1	30.8	38.5	46.2	53.9	61.6	69.3	40′
50′	76.8	153.6	230.4	7.7	15.4	23.0	30.7	38.4	46.1	53.8	61.4	69.1	50′

PERPUSTAKAAN NASIONAL
REPUBLIK INDONESIA

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0	64.3	128.6	192.8	6.4	12.9	19.3	25.7	32.1	38.6	45.0	51.4	57.9	0′
2′	64.3	128.6	193 0	6.4	12.9	19.3	25.7	32.2	38.6	45.0	51.5	57.9	2′
4′	64.4	128.7	193.1	6 4	12.9	19.3	25.7	32.2	38.6	45.1	51.5	57.9	4′
6′	64.4	128.8	193.2	6.4	12.9	19.3	25.8	32.2	38.6	45.1	51.5	58.0	6′
8′	64.5	128.9	193.4	6.4	12.9	19.3	25.8	32.2	38.7	45.1	51.6	58.0	8′
10′	64.5	129.0	193.5	6.5	12.9	19.4	25.8	32.3	38.7	45.2	51.6	58.1	10′
12′	64.5	129.1	193.6	6.5	12.9	19.4	25.8	32.3	38.7	45.2	51.6	58.1	12′
14′	64.6	129.2	193 8	6.5	12.9	19.4	25 8	32.3	38.8	45.2	51.7	58.1	14′
16′	64.6	129.3	193.9	6.5	12 9	19.4	25.9	32.3	38.8	45.2	51.7	58.2	16′
18′	64.7	129.4	194 0	6.5	12.9	19.4	25.9	32.3	38.8	45.3	51.7	58.2	18′
20′	64.7	129.4	194.2	6.5	12.9	19.4	25.9	32.4	38.8	45.3	51.8	58.3	20′
22′	64.8	129.5	194.3	6.5	13.0	19.4	25.9	32.4	38.9	45.3	51.8	58.3	22′
24′	64.8	129.6	194.4	6.5	13.0	19.4	25.9	32.4	38.9	45.4	51.8	58.3	24′
26′	64.9	129.7	194.6	6.5	13.0	19.5	25.9	32.4	38.9	45.4	51.9	58.4	26′
28′	64.9	129.8	194.7	6.5	13.0	19.5	26.0	32.5	38.9	45.4	51.9	58.4	28′
30′	64.9	129.9	194.8	6.5	13.0	19.5	26.0	32.5	39.0	45.5	52.0	58.5	30′
32′	65.0	130.0	195.0	6.5	13.0	19.5	26.0	32.5	39.0	45.5	52.0	58.5	32′
34′	65.0	130.1	195.1	6 5	13.0	19.5	26.0	32.5	39.0	45.5	52.0	58.5	34′
36′	65.1	130.2	195.2	6.5	13.0	19.5	26.0	32.5	39.0	45.6	52.1	58.6	36′
38′	65.1	130.2	195.4	6.5	13.0	19.5	26.0	32.6	39.1	45.6	52.1	58.6	38′
40′	65.2	130 3	195.5	6.5	13.0	19 5	26.1	32.6	39.1	45.6	52.1	58.6	40′
42′	65.2	130.4	195.6	6.5	13.0	19.6	26 1	32.6	39.1	45.6	52.2	58.7	42′
44′	65.3	130.5	195.8	6.5	13.1	19.6	26.1	32.6	39.2	45.7	52.2	58.7	44′
46′	65 3	130.6	195.9	6.5	13.1	19.6	26.1	32.6	39.2	45.7	52.2	58.8	46′
48′	65 3	130.7	196.0	6.5	13.1	19.6	26.1	32.7	39.2	45.7	52.3	58.8	48′
50′	65.4	130.8	196.2	6.5	13.1	19.6	26.2	32.7	39.2	45.8	52.3	58.8	50′
52′	65.4	130.9	196.3	6.5	13.1	19.6	26.2	32.7	39.3	45.8	52.3	58.9	52′
54′	65.5	130.9	196.4	6.5	13.1	19.6	26.2	32.7	39.3	45.8	52.4	58.9	54′
56′	65 5	131.0	196 6	6 6	13 1	19.7	26.2	32.8	39.3	45.9	52.4	59.0	56′
58′	65.6	131.1	196.7	6.6	13.1	19.7	26.2	32.8	39.3	45.9	52.4	59.0	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	76.6	153.2	22 98	7.7	15 3	23.0	30.6	38.3	46.0	53.6	61.3	68.9	0′
10′	76.4	152.8	229.3	7.6	15.3	22.9	30.6	38.2	45.9	53.5	61.1	68.8	10′
20′	76.2	152.5	228.7	7.6	15.2	22.9	30.5	38.1	45.7	53.4	61.0	68.6	20′
30′	76.0	152.1	228.1	7.6	15.2	22.8	30.4	38.0	45.6	53.2	60.8	68.4	30′
40′	75.9	151.7	227.6	7.6	15 2	22.8	30.3	37.9	45.5	53.1	60.7	68.3	40′
50′	75.7	151.3	227.0	7.6	15.1	22.7	30.3	37.8	45.4	53.0	60.5	68.1	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	65.6	131.2	196.8	6.6	13.1	19.7	26.2	32.8	39.4	45.9	52.5	59.0	0′
2′	65.6	131.3	196.9	6.6	13.1	19.7	26.3	32.8	39.4	46.0	52.5	59.1	2′
4′	65.7	131.4	197.1	6.6	13.1	19.7	26.3	32.8	39.4	46.0	52.6	59.1	4′
6′	65.7	131.5	197.2	6.6	13.1	19.7	26.3	32.9	39.4	46.0	52.6	59.2	6′
8′	65.8	131.6	197.3	6.6	13.2	19.7	26.3	32.9	39.5	46.0	52.6	59.2	8′
10′	65.8	131.7	197.5	6.6	13.2	19.7	26.3	32.9	39.5	46.1	52.7	59.2	10′
12′	65.9	131.7	197.6	6.6	13.2	19.8	26.3	32.9	39.5	46.1	52.7	59.3	12′
14′	65.9	131.8	197.7	6.6	13.2	19.8	26.4	33.0	39.5	46.1	52.7	59.3	14′
16′	66.0	131.9	197.9	6.6	13.2	19.8	26.4	33.0	39.6	46.2	52.8	59.4	16′
18′	66.0	132.0	198.0	6.6	13.2	19.8	26.4	33.0	39.6	46.2	52.8	59.4	18′
20′	66.0	132.1	198.1	6.6	13.2	19.8	26.4	33.0	39.6	46.2	52.8	59.4	20′
22′	66.1	132.2	198.3	6.6	13.2	19.8	26.4	33.0	39.7	46.3	52.9	59.5	22′
24′	66.1	132.3	198.4	6.6	13.2	19.8	26.5	33.1	39.7	46.3	52.9	59.5	24′
26′	66.2	132.4	198.5	6.6	13.2	19.9	26.5	33.1	39.7	46.3	52.9	59.6	26′
28′	66.2	132.4	198.7	6.6	13.2	19.9	26.5	33.1	39.7	46.4	53.0	59.6	28′
30′	66.3	132.5	198.8	6.6	13.3	19.9	26.5	33.1	39.8	46.4	53.0	59.6	30′
32′	66.3	132.6	198.9	6.6	13.3	19.9	26.5	33.2	39.8	46.4	53.0	59.7	32′
34′	66.3	132.7	199.0	6.6	13.3	19.9	26.5	33.2	39.8	46.4	53.1	59.7	34′
36′	66.4	132.8	199.2	6.6	13.3	19.9	26.6	33.2	39.8	46.5	53.1	59.8	36′
38′	66.4	132.9	199.3	6.6	13.3	19.9	26.6	33.2	39.9	46.5	53.1	59.8	38′
40′	66.5	133.0	199.4	6.6	13.3	19.9	26.6	33.2	39.9	46.5	53.2	59.8	40′
42′	66.5	133.0	199.6	6.7	13.3	20.0	26.6	33.3	39.9	46.6	53.2	59.9	42′
44′	66.6	133.1	199.7	6.7	13.3	20.0	26.6	33.3	39.9	46.6	53.3	59.9	44′
46′	66.6	133.2	199.8	6.7	13.3	20.0	26.6	33.3	40.0	46.6	53.3	59.9	46′
48′	66.7	133.3	200.0	6.7	13.3	20.0	26.7	33.3	40.0	46.7	53.3	60.0	48′
50′	66.7	133.4	200.1	6.7	13.3	20.0	26.7	33.3	40.0	46.7	53.4	60.0	50′
52′	66.7	133.5	200.2	6.7	13.3	20.0	26.7	33.4	40.0	46.7	53.4	60.1	52′
54′	66.8	133.6	200.4	6.7	13.4	20.0	26.7	33.4	40.1	46.7	53.4	60.1	54′
56′	66.8	133.7	200.5	6.7	13.4	20.0	26.7	33.4	40.1	46.8	53.5	60.1	56′
58′	66.9	133.7	200.6	6.7	13.4	20.1	26.7	33.4	40.1	46.8	53.5	60.2	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	75.5	150.9	226.4	7.5	15.1	22.6	30.2	37.7	45.3	52.8	60.4	67.9	0′
10′	75.3	150.6	225.8	7.5	15.1	22.6	30.1	37.6	45.2	52.7	60.2	67.8	10′
20′	75.1	150.2	225.3	7.5	15.0	22.5	30.0	37.5	45.1	52.6	60.1	67.6	20′
30′	74.9	149.8	224.7	7.5	15.0	22.5	30.0	37.4	44.9	52.4	59.4	67.4	30′
40′	74.7	149.4	224.1	7.5	14.9	22.4	29.9	37.4	44.8	52.3	59.8	67.2	40′
50′	74.5	149.0	223.5	7.5	14.9	22.4	29.8	37.3	44.7	52.2	59.6	67.1	50′

PERPUSTAKAAN NASIONAL
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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	66.9	133.8	200.7	6.7	13.4	20.1	26.8	33.5	40.1	46.8	53.5	60.2	0′
2′	67.0	133.9	200.9	6.7	13.4	20.1	26.8	33.5	40.2	46.9	53.6	60.3	2′
4′	67.0	134.0	201.0	6.7	13.4	20.1	26.8	33.5	40.2	46.9	53.6	60.3	4′
6′	67.0	134.1	201.1	6.7	13.4	20.1	26.8	33.5	40.2	46.9	53.6	60.3	6′
8′	67.1	134.2	201.3	6.7	13.4	20.1	26.8	33.5	40.3	47.0	53.7	60.4	8′
10′	67.1	134.3	201.4	6.7	13.4	20.1	26.9	33.6	40.3	47.0	53.7	60.4	10′
12′	67.2	134.3	201.5	6.7	13.4	20.2	26.9	33.6	40.3	47.0	53.7	60.5	12′
14′	67.2	134.4	201.6	6.7	13.4	20.2	26.9	33.6	40.3	47.1	53.8	60.5	14′
16′	67.3	134.5	201.8	6.7	13.5	20.2	26.9	33.6	40.4	47.1	53.8	60.5	16′
18′	67.3	134.6	201.9	6.7	13.5	20.2	26.9	33.7	40.4	47.1	53.8	60.6	18′
20′	67.3	134.7	202.0	6.7	13.5	20.2	26.9	33.7	40.4	47.1	53.9	60.6	20′
22′	67.4	134.8	202.2	6.7	13.5	20.2	27.0	33.7	40.4	47.2	53.9	60.6	22′
24′	67.4	134.9	202.3	6.7	13.5	20.2	27.0	33.7	40.5	47.2	53.9	60.7	24′
26′	67.5	134.9	202.4	6.7	13.5	20.2	27.0	33.7	40.5	47.2	54.0	60.7	26′
28′	67.5	135.0	202.5	6.8	13.5	20.3	27.0	33.8	40.5	47.3	54.0	60.8	28′
30′	67.6	135.1	202.7	6.8	13.5	20.3	27.0	33.8	40.5	47.3	54.0	60.8	30′
32′	67.6	135.2	202.8	6.8	13.5	20.3	27.0	33.8	40.6	47.3	54.1	60.8	32′
34′	67.6	135.3	202.9	6.8	13.5	20.3	27.1	33.8	40.6	47.4	54.1	60.9	34′
36′	67.7	135.4	203.1	6.8	13.5	20.3	27.1	33.8	40.6	47.4	54.2	60.9	36′
38′	67.7	135.5	203.2	6.8	13.5	20.3	27.1	33.9	40.6	47.4	54.2	61.0	38′
40′	67.8	135.5	203.3	6.8	13.6	20.3	27.1	33.9	40.7	47.4	54.2	61.0	40′
42′	67.8	135.6	203.4	6.8	13.6	20.3	27.1	33.9	40.7	47.5	54.3	61.0	42′
44′	67.9	135.7	203.6	6.8	13.6	20.4	27.1	33.9	40.7	47.5	54.3	61.1	44′
46′	67.9	135.8	203.7	6.8	13.6	20.4	27.2	34.0	40.7	47.5	54.3	61.1	46′
48′	67.9	135.9	203.8	6.8	13.6	20.4	27.2	34.0	40.8	47.6	54.4	61.1	48′
50′	68.0	136.0	204.0	6.8	13.6	20.4	27.2	34.0	40.8	47.6	54.4	61.2	50′
52′	68.0	136.1	204.1	6.8	13.6	20.4	27.2	34.0	40.8	47.6	54.4	61.2	52′
54′	68.1	136.1	204.2	6.8	13.6	20.4	27.2	34.0	40.8	47.7	54.5	61.3	54′
56′	68.1	136.2	204.3	6.8	13.6	20.4	27.2	34.1	40.9	47.7	54.5	61.3	56′
58′	68.2	136.3	204.5	6.8	13.6	20.4	27.3	34.1	40.9	47.7	54.5	61.3	58′
a	100	200	300	10	20	30	40	50	60	70	80	90	a
0′	74.3	148.6	222.9	7.4	14.9	22.3	29.7	37.2	44.6	52.0	59.5	66.9	0′
10′	74.1	148.2	222.4	7.4	14.8	22.2	29.6	37.1	44.5	51.9	59.3	66.7	10′
20′	73.9	147.8	221.8	7.4	14.8	22.2	29.6	37.0	44.4	51.7	59.1	66.5	20′
30′	73.7	147.5	221.2	7.4	14.7	22.1	29.5	36.9	44.2	51.6	59.0	66.4	30′
40′	73.5	147.1	220.6	7.4	14.7	22.1	29.4	36.8	44.1	51.5	58.8	66.2	40′
50′	73.3	146.7	220.0	7.3	14.7	22.0	29.3	36.7	44.0	51.3	58.7	66.0	50′

PERPUSTAKAAN NASIONAL

h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	68.2	136.4	204.6	6.8	13.6	20.5	27.3	34.1	40.9	47.7	54.6	61.4	0′
2′	68.2	136.5	204.7	6.8	13.6	20.5	27.3	34.1	40.9	47.8	54.6	61.4	2′
4′	68.3	136.6	204.9	6.8	13.7	20.5	27.3	34.1	41.0	47.8	54.6	61.5	4′
6′	68.3	136.7	205.0	6.8	13.7	20.5	27.3	34.2	41.0	47.8	54.7	61.5	6′
8′	68.4	136.7	205.1	6.8	13.7	20.5	27.3	34.2	41.0	47.9	54.7	61.5	8′
10′	68.4	136.8	205.2	6.8	13.7	20.5	27.4	34.2	41.0	47.9	54.7	61.6	10′
12′	68.5	136.9	205.4	6.8	13.7	20.5	27.4	34.2	41.1	47.9	54.8	61.6	12′
14′	68.5	137.0	205.5	6.8	13.7	20.5	27.4	34.2	41.1	47.9	54.8	61.6	14′
16′	68.5	137.1	205.6	6.9	13.7	20.6	27.4	34.3	41.1	48.0	54.8	61.7	16′
18′	68.6	137.2	205.7	6.9	13.7	20.6	27.4	34.3	41.1	48.0	54.9	61.7	18′
20′	68.6	137.2	205.9	6.9	13.7	20.6	27.4	34.3	41.2	48.0	54.9	61.8	20′
22′	68.7	137.3	206.0	6.9	13.7	20.6	27.5	34.3	41.2	48.1	54.9	61.8	22′
24′	68.7	137.4	206.1	6.9	13.7	20.6	27.5	34.4	41.2	48.1	55.0	61.8	24′
26′	68.8	137.5	206.3	6.9	13.8	20.6	27.5	34.4	41.3	48.1	55.0	61.9	26′
28′	68.8	137.6	206.4	6.9	13.8	20.6	27.5	34.4	41.3	48.2	55.0	61.9	28′
30′	68.8	137.7	206.5	6.9	13.8	20.7	27.5	34.4	41.3	48.2	55.1	62.0	30′
32′	68.9	137.8	206.6	6.9	13.8	20.7	27.6	34.4	41.3	48.2	55.1	62.0	32′
34′	68.9	137.8	206.8	6.9	13.8	20.7	27.6	34.5	41.4	48.2	55.1	62.0	34′
36′	69.0	137.9	206.9	6.9	13.8	20.7	27.6	34.5	41.4	48.3	55.2	62.1	36′
38′	69.0	138.0	207.0	6.9	13.8	20.7	27.6	34.5	41.4	48.3	55.2	62.1	38′
40′	69.0	138.1	207.1	6.9	13.8	20.7	27.6	34.5	41.4	48.3	55.2	62.1	40′
42′	69.1	138.2	207.3	6.9	13.8	20.7	27.6	34.5	41.5	48.4	55.3	62.2	42′
44′	69.1	138.3	207.4	6.9	13.8	20.7	27.7	34.6	41.5	48.4	55.3	62.2	44′
46′	69.2	138.3	207.5	6.9	13.8	20.8	27.7	34.6	41.5	48.4	55.3	62.3	46′
48′	69.2	138.4	207.6	6.9	13.8	20.8	27.7	34.6	41.5	48.5	55.4	62.3	48′
50′	69.3	138.5	207.8	6.9	13.9	20.8	27.7	34.6	41.6	48.5	55.4	62.3	50′
52′	69.3	138.6	207.9	6.9	13.9	20.8	27.7	34.6	41.6	48.5	55.4	62.4	52′
54′	69.3	138.7	208.0	6.9	13.9	20.8	27.7	34.7	41.6	48.5	55.5	62.4	54′
56′	69.4	138.8	208.1	6.9	13.9	20.8	27.8	34.7	41.6	48.6	55.5	62.4	56′
58′	69.4	138.8	208.3	6.9	13.9	20.8	27.8	44.7	41.7	48.6	55.5	62.5	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	73.1	146.3	219.4	7.3	14.6	21.9	29.3	36.6	43.9	51.2	58.5	65.8	0′
10′	72.9	145.9	218.8	7.3	14.6	21.9	29.2	36.5	43.8	51.1	58.3	65.6	10′
20′	72.7	145.5	218.2	7.3	14.5	21.8	29.1	36.4	43.6	50.9	58.2	65.5	20′
30′	72.5	145.1	217.6	7.3	14.5	21.8	29.0	36.3	43.5	50.8	58.0	65.3	30′
40′	72.3	144.7	217.0	7.2	14.5	21.7	28.9	36.2	43.4	50.6	57.9	65.1	40′
50′	72.1	144.3	216.4	7.2	14.4	21.6	28.9	36.1	43.3	50.5	57.7	64.9	50′

PERPUSTAKAAN NASIONAL
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h	GEMETEN AFSTANDEN.												h
	100	200	300	10	20	30	40	50	60	70	80	90	
0′	69.5	138 9	208.4	6.9	13.9	20.8	27.8	34.7	41.7	48.6	55.6	62.5	0′
2′	69.5	139.0	208.5	7.0	13.9	20.9	27.8	34.8	41.7	48.7	55.6	62.6	2′
4′	69.5	139.1	208.6	7.0	13.9	20.9	27.8	34.8	41.7	48.7	55.6	62.6	4′
6′	69.6	139.2	208.8	7.0	13.9	20.9	27.8	34.8	41.8	48.7	55.7	62.6	6′
8′	69.6	139.3	208.9	7.0	13.9	20.9	27.9	34.8	41.8	48.7	55.7	62 7	8′
10′	69.7	139.4	209.0	7.0	13.9	20.9	27.9	34.8	41.8	48.8	55.7	62.7	10′
12′	69.7	139.4	209.1	7.0	13.9	20.9	27.9	34.9	41.8	48.8	55.8	62.7	12′
14′	69.8	139.5	209.3	7.0	14 0	20.9	27.9	34.9	41.9	48.8	55.8	62.8	14′
16′	69.8	139.6	209.4	7.0	14.0	20.9	27.9	34.9	41.9	48.9	65.8	62.8	16′
18′	69.8	139.7	209.5	7.0	14.0	21.0	27.9	34.9	41.9	48.9	55.9	62.9	18′
20′	69.9	139.8	209.6	7.0	14.0	21.0	28.0	34.9	41.9	48.9	55.9	62.9	20′
22′	69.9	139.9	209.8	7.0	14.0	21.0	28.0	35.0	42.0	48.9	55.9	62.9	22′
24′	70.0	139.9	209.9	7.0	14.0	21.0	28.0	35.0	42.0	49.0	56.0	63.0	24′
26′	70.0	140.0	210.0	7.0	14.0	21.0	28.0	35.0	42.0	49.0	56 0	63.0	26′
28′	70.0	140.1	210.1	7.0	14.0	21.0	38.0	35.0	42.0	49 0	56.0	63.0	28′
30′	70.1	140.2	210.3	7.0	14.0	21.0	28.0	35.0	42.1	49.1	56.1	63.1	30′
32′	70.1	140.3	210.4	7.0	14.0	21.0	28 1	35.1	42.1	49.1	56.1	63.1	32′
34′	70.2	140.3	210.5	7.0	14.0	21.1	28.1	35.1	42.1	49.1	56.1	63.2	34′
36′	70.2	140.4	210.6	7.0	14.0	21.1	28.1	35.1	42.1	49.2	56.2	63.2	36′
38′	70.3	140.5	210.8	7.0	14.1	21.1	28.1	35.1	42.2	49.2	56.2	63.2	38′
40′	70.3	140.6	210.9	7.0	14.1	21.1	28.1	35.1	42.2	49.2	56.2	63.3	40′
42′	70.3	140.7	211.0	7.0	14.1	21.1	28.1	35.2	42.2	49.2	56.3	63.3	42′
44′	70.4	140.8	211.1	7.0	14.1	21.1	28.2	35.2	42.2	49.3	56.3	63.3	44′
46′	70.4	140.8	211.3	7.0	14.1	21.1	28.2	35.2	42.3	49.3	56.3	63.4	46′
48′	70.5	140.9	211.4	7.0	14.1	21.1	28.2	35.2	42.3	49.3	56.4	63.4	48′
50′	70.5	141.0	211.5	7.1	14.1	21.2	28.2	35.3	42.3	49.4	56.4	63.5	50′
52′	70.5	141.1	211.6	7.1	14.1	21.2	28.2	35.3	42.3	49.4	56.4	63.5	52′
54′	70.6	141.2	211.8	7.1	14.1	21.2	28.2	35.3	42.4	49.4	56.5	63.5	54′
56′	70.6	141.3	211.9	7.1	14.1	21.2	28.3	35.3	42.4	49.4	56.5	63.6	56′
58′	70.7	141.3	212.0	7.1	14.1	21.2	28.3	35.3	42.4	49.5	56.5	63.6	58′
a	**100**	**200**	**300**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**a**
0′	71.9	143.9	215.8	7.2	14.4	21.6	28.8	36.0	43.2	50.4	57.5	64.7	0′
10′	71.7	143.5	215.2	7.2	14.3	21.5	28.7	35.9	43.0	50.2	57.4	64.6	10′
20′	71 5	143.1	214.6	7.2	14.3	21.5	28.6	35.8	42 9	50.1	67.2	64.4	20′
30′	71.3	142.7	214.0	7.1	14.3	21.4	28.5	35.7	42.8	49.9	57.1	64.2	30′
40′	71.1	142.2	213.4	7.1	14.2	21.3	28.4	35.6	42.7	49.8	56 9	64.0	40′
50′	70.9	141.8	212,7	7.1	14.2	21.3	28.4	35.5	42.5	49.6	56.7	63,8	50′

PERPUSTAKAAN NASIONAL RI.

PERPUSTAKAAN NASIONAL

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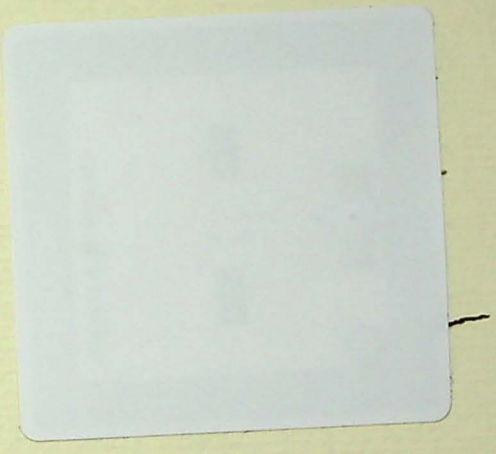
PERPUSTAKAAN NASIONAL
REPUBLIK INDONESIA

AHMAD D. FAIZ
TGL : .....
PARAF : .....



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