

**** ARGUMEN MASA DALAM WAKTU PIAWAI MALAYSIA ****

MATAHARI

2015 Januari

WPM	GST			R.A.			GHA			DEK			SD	
	h	j	m s	j	m	s	j	m	s	o	`	"	`	"
1.00	22	40	0	18	43	1	3	56	58	-23	3	58	16	16.0
2.00	22	43	57	18	47	27	3	56	30	-22	59	12	16	16.1
3.00	22	47	53	18	51	51	3	56	2	-22	53	59	16	16.1
4.00	22	51	50	18	56	15	3	55	34	-22	48	18	16	16.1
5.00	22	55	46	19	0	39	3	55	7	-22	42	10	16	16.1
6.00	22	59	43	19	5	3	3	54	40	-22	35	35	16	16.1
7.00	23	3	40	19	9	26	3	54	13	-22	28	33	16	16.1
8.00	23	7	36	19	13	48	3	53	47	-22	21	4	16	16.0
9.00	23	11	33	19	18	10	3	53	22	-22	13	9	16	16.0
10.00	23	15	29	19	22	32	3	52	57	-22	4	48	16	16.0
11.00	23	19	26	19	26	53	3	52	33	-21	56	1	16	16.0
12.00	23	23	22	19	31	13	3	52	9	-21	46	48	16	15.9
13.00	23	27	19	19	35	33	3	51	45	-21	37	10	16	15.9
14.00	23	31	15	19	39	52	3	51	23	-21	27	7	16	15.8
15.00	23	35	12	19	44	11	3	51	0	-21	16	38	16	15.8
16.00	23	39	9	19	48	29	3	50	39	-21	5	45	16	15.7
17.00	23	43	5	19	52	46	3	50	18	-20	54	28	16	15.6
18.00	23	47	2	19	57	3	3	49	58	-20	42	47	16	15.6
19.00	23	50	58	20	1	19	3	49	39	-20	30	42	16	15.5
20.00	23	54	55	20	5	35	3	49	20	-20	18	14	16	15.4
21.00	23	58	51	20	9	49	3	49	2	-20	5	23	16	15.3
22.00	0	2	48	20	14	3	3	48	44	-19	52	10	16	15.2
23.00	0	6	44	20	18	16	3	48	28	-19	38	34	16	15.2
24.00	0	10	41	20	22	28	3	48	12	-19	24	37	16	15.1
25.00	0	14	38	20	26	40	3	47	57	-19	10	18	16	15.0
26.00	0	18	34	20	30	50	3	47	43	-18	55	38	16	14.9
27.00	0	22	31	20	35	0	3	47	30	-18	40	37	16	14.8
28.00	0	26	27	20	39	9	3	47	17	-18	25	16	16	14.7
29.00	0	30	24	20	43	18	3	47	6	-18	9	35	16	14.5
30.00	0	34	20	20	47	25	3	46	55	-17	53	34	16	14.4
31.00	0	38	17	20	51	31	3	46	45	-17	37	14	16	14.3

MATAHARI

2015 Februari

WPM	GST			R.A.			GHA			DEK			SD		
	h	j	m s	j	m s	j	m s	j	m s	o	`	"	`	"	"
1.00	0	42	13	20	55	37	3	46	36	-17	20	36	16	14.2	
2.00	0	46	10	20	59	42	3	46	27	-17	3	39	16	14.0	
3.00	0	50	7	21	3	46	3	46	20	-16	46	24	16	13.9	
4.00	0	54	3	21	7	49	3	46	13	-16	28	52	16	13.8	
5.00	0	58	0	21	11	52	3	46	7	-16	11	2	16	13.6	
6.00	1	1	56	21	15	53	3	46	2	-15	52	56	16	13.5	
7.00	1	5	53	21	19	54	3	45	58	-15	34	33	16	13.3	
8.00	1	9	49	21	23	54	3	45	54	-15	15	54	16	13.1	
9.00	1	13	46	21	27	54	3	45	52	-14	56	59	16	13.0	
10.00	1	17	42	21	31	52	3	45	50	-14	37	50	16	12.8	
11.00	1	21	39	21	35	50	3	45	49	-14	18	25	16	12.6	
12.00	1	25	36	21	39	47	3	45	48	-13	58	47	16	12.4	
13.00	1	29	32	21	43	43	3	45	49	-13	38	54	16	12.2	
14.00	1	33	29	21	47	38	3	45	50	-13	18	48	16	12.0	
15.00	1	37	25	21	51	33	3	45	52	-12	58	28	16	11.9	
16.00	1	41	22	21	55	27	3	45	54	-12	37	56	16	11.7	
17.00	1	45	18	21	59	20	3	45	57	-12	17	12	16	11.5	
18.00	1	49	15	22	3	13	3	46	1	-11	56	16	16	11.3	
19.00	1	53	11	22	7	5	3	46	6	-11	35	8	16	11.0	
20.00	1	57	8	22	10	56	3	46	11	-11	13	49	16	10.8	
21.00	2	1	5	22	14	47	3	46	17	-10	52	20	16	10.6	
22.00	2	5	1	22	18	37	3	46	24	-10	30	41	16	10.4	
23.00	2	8	58	22	22	26	3	46	31	-10	8	53	16	10.2	
24.00	2	12	54	22	26	15	3	46	39	-9	46	54	16	10.0	
25.00	2	16	51	22	30	3	3	46	48	-9	24	48	16	9.8	
26.00	2	20	47	22	33	50	3	46	57	-9	2	32	16	9.6	
27.00	2	24	44	22	37	37	3	47	6	-8	40	9	16	9.3	
28.00	2	28	40	22	41	23	3	47	17	-8	17	38	16	9.1	

MATAHARI

2015

Mac

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	2	32	37	22	45	9	3	47	28	-	7	55	0	16	8.9
2.00	2	36	33	22	48	54	3	47	39	-	7	32	15	16	8.7
3.00	2	40	30	22	52	38	3	47	51	-	7	9	23	16	8.4
4.00	2	44	27	22	56	23	3	48	4	-	6	46	26	16	8.2
5.00	2	48	23	23	0	6	3	48	16	-	6	23	23	16	7.9
6.00	2	52	20	23	3	49	3	48	30	-	6	0	14	16	7.7
7.00	2	56	16	23	7	32	3	48	44	-	5	37	1	16	7.5
8.00	3	0	13	23	11	14	3	48	58	-	5	13	43	16	7.2
9.00	3	4	9	23	14	56	3	49	12	-	4	50	20	16	7.0
10.00	3	8	6	23	18	38	3	49	27	-	4	26	54	16	6.7
11.00	3	12	2	23	22	19	3	49	43	-	4	3	25	16	6.4
12.00	3	15	59	23	26	0	3	49	58	-	3	39	52	16	6.2
13.00	3	19	56	23	29	41	3	50	14	-	3	16	17	16	5.9
14.00	3	23	52	23	33	21	3	50	30	-	2	52	39	16	5.6
15.00	3	27	49	23	37	1	3	50	47	-	2	28	59	16	5.4
16.00	3	31	45	23	40	41	3	51	4	-	2	5	18	16	5.1
17.00	3	35	42	23	44	21	3	51	20	-	1	41	35	16	4.8
18.00	3	39	38	23	48	0	3	51	37	-	1	17	52	16	4.6
19.00	3	43	35	23	51	40	3	51	55	-	0	54	8	16	4.3
20.00	3	47	31	23	55	19	3	52	12	-	0	30	24	16	4.0
21.00	3	51	28	23	58	58	3	52	30	-	0	6	41	16	3.7
22.00	3	55	25	0	2	37	3	52	47	+	0	17	1	16	3.5
23.00	3	59	21	0	6	15	3	53	5	+	0	40	43	16	3.2
24.00	4	3	18	0	9	54	3	53	23	+	1	4	23	16	2.9
25.00	4	7	14	0	13	33	3	53	41	+	1	28	1	16	2.7
26.00	4	11	11	0	17	11	3	53	59	+	1	51	37	16	2.4
27.00	4	15	7	0	20	50	3	54	17	+	2	15	11	16	2.1
28.00	4	19	4	0	24	28	3	54	35	+	2	38	42	16	1.9
29.00	4	23	0	0	28	6	3	54	54	+	3	2	9	16	1.6
30.00	4	26	57	0	31	45	3	55	12	+	3	25	33	16	1.3
31.00	4	30	53	0	35	23	3	55	30	+	3	48	53	16	1.1

MATAHARI

2015 April

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	4	34	50	0	39	2	3	55	48	+	4	12	8	16	.8
2.00	4	38	47	0	42	40	3	56	6	+	4	35	19	16	.5
3.00	4	42	43	0	46	19	3	56	23	+	4	58	25	16	.2
4.00	4	46	40	0	49	58	3	56	41	+	5	21	25	15	60.0
5.00	4	50	36	0	53	37	3	56	59	+	5	44	20	15	59.7
6.00	4	54	33	0	57	16	3	57	16	+	6	7	9	15	59.4
7.00	4	58	29	1	0	55	3	57	33	+	6	29	51	15	59.1
8.00	5	2	26	1	4	35	3	57	50	+	6	52	27	15	58.9
9.00	5	6	22	1	8	15	3	58	7	+	7	14	56	15	58.6
10.00	5	10	19	1	11	55	3	58	24	+	7	37	17	15	58.3
11.00	5	14	16	1	15	35	3	58	40	+	7	59	31	15	58.0
12.00	5	18	12	1	19	16	3	58	56	+	8	21	37	15	57.7
13.00	5	22	9	1	22	57	3	59	11	+	8	43	34	15	57.5
14.00	5	26	5	1	26	38	3	59	27	+	9	5	23	15	57.2
15.00	5	30	2	1	30	20	3	59	42	+	9	27	3	15	56.9
16.00	5	33	58	1	34	1	3	59	56	+	9	48	34	15	56.6
17.00	5	37	55	1	37	44	4	0	11	+10	9	55		15	56.4
18.00	5	41	51	1	41	26	4	0	24	+10	31	6		15	56.1
19.00	5	45	48	1	45	10	4	0	38	+10	52	6		15	55.8
20.00	5	49	45	1	48	53	4	0	51	+11	12	56		15	55.6
21.00	5	53	41	1	52	37	4	1	4	+11	33	34		15	55.3
22.00	5	57	38	1	56	21	4	1	16	+11	54	1		15	55.0
23.00	6	1	34	2	0	6	4	1	28	+12	14	17		15	54.8
24.00	6	5	31	2	3	51	4	1	39	+12	34	20		15	54.5
25.00	6	9	27	2	7	37	4	1	50	+12	54	11		15	54.3
26.00	6	13	24	2	11	23	4	2	1	+13	13	49		15	54.0
27.00	6	17	20	2	15	9	4	2	11	+13	33	13		15	53.8
28.00	6	21	17	2	18	56	4	2	20	+13	52	25		15	53.5
29.00	6	25	14	2	22	44	4	2	29	+14	11	22		15	53.3
30.00	6	29	10	2	26	32	4	2	38	+14	30	6		15	53.1

MATAHARI

2015

Mei

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	6	33	7	2	30	20	4	2	46	+14	48	35	15	52.8
2.00	6	37	3	2	34	9	4	2	53	+15	6	49	15	52.6
3.00	6	41	0	2	37	59	4	3	0	+15	24	48	15	52.4
4.00	6	44	56	2	41	49	4	3	7	+15	42	32	15	52.1
5.00	6	48	53	2	45	40	4	3	13	+16	0	1	15	51.9
6.00	6	52	49	2	49	31	4	3	18	+16	17	13	15	51.6
7.00	6	56	46	2	53	23	4	3	23	+16	34	9	15	51.4
8.00	7	0	42	2	57	15	4	3	27	+16	50	49	15	51.2
9.00	7	4	39	3	1	8	4	3	31	+17	7	12	15	51.0
10.00	7	8	36	3	5	1	4	3	34	+17	23	17	15	50.7
11.00	7	12	32	3	8	55	4	3	36	+17	39	6	15	50.5
12.00	7	16	29	3	12	50	4	3	38	+17	54	37	15	50.3
13.00	7	20	25	3	16	45	4	3	39	+18	9	49	15	50.1
14.00	7	24	22	3	20	41	4	3	40	+18	24	44	15	49.8
15.00	7	28	18	3	24	38	4	3	40	+18	39	19	15	49.6
16.00	7	32	15	3	28	35	4	3	40	+18	53	36	15	49.4
17.00	7	36	11	3	32	32	4	3	39	+19	7	34	15	49.2
18.00	7	40	8	3	36	30	4	3	37	+19	21	13	15	49.0
19.00	7	44	5	3	40	29	4	3	35	+19	34	31	15	48.8
20.00	7	48	1	3	44	29	4	3	32	+19	47	30	15	48.6
21.00	7	51	58	3	48	28	4	3	29	+20	0	9	15	48.4
22.00	7	55	54	3	52	29	4	3	25	+20	12	27	15	48.3
23.00	7	59	51	3	56	30	4	3	21	+20	24	24	15	48.1
24.00	8	3	47	4	0	31	4	3	16	+20	36	0	15	47.9
25.00	8	7	44	4	4	33	4	3	11	+20	47	15	15	47.7
26.00	8	11	40	4	8	35	4	3	5	+20	58	9	15	47.6
27.00	8	15	37	4	12	38	4	2	58	+21	8	40	15	47.4
28.00	8	19	34	4	16	41	4	2	52	+21	18	50	15	47.3
29.00	8	23	30	4	20	45	4	2	44	+21	28	38	15	47.1
30.00	8	27	27	4	24	49	4	2	37	+21	38	3	15	47.0
31.00	8	31	23	4	28	54	4	2	29	+21	47	6	15	46.8

MATAHARI

2015 Jun

WPM	GST			R.A.			GHA			DEK			SD	
	h	j	m	s	j	m	s	j	m	s	o	'	"	'
1.00	8	35	20	4	32	59	4	2	20	+21	55	46	15	46.7
2.00	8	39	16	4	37	4	4	2	11	+22	4	3	15	46.5
3.00	8	43	13	4	41	10	4	2	2	+22	11	57	15	46.4
4.00	8	47	9	4	45	17	4	1	52	+22	19	28	15	46.2
5.00	8	51	6	4	49	23	4	1	42	+22	26	35	15	46.1
6.00	8	55	3	4	53	30	4	1	32	+22	33	19	15	46.0
7.00	8	58	59	4	57	37	4	1	21	+22	39	39	15	45.8
8.00	9	2	56	5	1	45	4	1	10	+22	45	35	15	45.7
9.00	9	6	52	5	5	53	4	0	59	+22	51	7	15	45.6
10.00	9	10	49	5	10	1	4	0	47	+22	56	16	15	45.5
11.00	9	14	45	5	14	9	4	0	35	+23	1	0	15	45.3
12.00	9	18	42	5	18	18	4	0	23	+23	5	19	15	45.2
13.00	9	22	38	5	22	27	4	0	11	+23	9	15	15	45.1
14.00	9	26	35	5	26	36	3	59	58	+23	12	45	15	45.0
15.00	9	30	32	5	30	45	3	59	46	+23	15	52	15	44.9
16.00	9	34	28	5	34	55	3	59	33	+23	18	33	15	44.8
17.00	9	38	25	5	39	4	3	59	20	+23	20	50	15	44.8
18.00	9	42	21	5	43	14	3	59	7	+23	22	42	15	44.7
19.00	9	46	18	5	47	24	3	58	54	+23	24	10	15	44.6
20.00	9	50	14	5	51	33	3	58	41	+23	25	13	15	44.5
21.00	9	54	11	5	55	43	3	58	27	+23	25	51	15	44.5
22.00	9	58	8	5	59	53	3	58	14	+23	26	4	15	44.4
23.00	10	2	4	6	4	2	3	58	1	+23	25	52	15	44.4
24.00	10	6	1	6	8	12	3	57	48	+23	25	16	15	44.3
25.00	10	9	57	6	12	21	3	57	35	+23	24	15	15	44.3
26.00	10	13	54	6	16	31	3	57	23	+23	22	49	15	44.2
27.00	10	17	50	6	20	40	3	57	10	+23	20	58	15	44.2
28.00	10	21	47	6	24	49	3	56	57	+23	18	43	15	44.1
29.00	10	25	43	6	28	58	3	56	45	+23	16	3	15	44.1
30.00	10	29	40	6	33	6	3	56	33	+23	12	59	15	44.1

MATAHARI

2015

Julai

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	10	33	37	6	37	15	3	56	21	+23	9	30	15	44.1
2.00	10	37	33	6	41	23	3	56	10	+23	5	37	15	44.1
3.00	10	41	30	6	45	31	3	55	58	+23	1	20	15	44.0
4.00	10	45	26	6	49	39	3	55	47	+22	56	39	15	44.0
5.00	10	49	23	6	53	46	3	55	36	+22	51	34	15	44.0
6.00	10	53	19	6	57	53	3	55	26	+22	46	4	15	44.0
7.00	10	57	16	7	2	0	3	55	16	+22	40	11	15	44.0
8.00	11	1	12	7	6	6	3	55	6	+22	33	55	15	44.0
9.00	11	5	9	7	10	12	3	54	57	+22	27	15	15	44.0
10.00	11	9	6	7	14	18	3	54	48	+22	20	11	15	44.0
11.00	11	13	2	7	18	23	3	54	39	+22	12	45	15	44.0
12.00	11	16	59	7	22	28	3	54	31	+22	4	55	15	44.1
13.00	11	20	55	7	26	32	3	54	23	+21	56	43	15	44.1
14.00	11	24	52	7	30	36	3	54	15	+21	48	8	15	44.1
15.00	11	28	48	7	34	39	3	54	9	+21	39	11	15	44.2
16.00	11	32	45	7	38	42	3	54	2	+21	29	51	15	44.2
17.00	11	36	41	7	42	45	3	53	56	+21	20	10	15	44.2
18.00	11	40	38	7	46	47	3	53	51	+21	10	7	15	44.3
19.00	11	44	35	7	50	48	3	53	46	+20	59	43	15	44.4
20.00	11	48	31	7	54	49	3	53	42	+20	48	57	15	44.4
21.00	11	52	28	7	58	49	3	53	38	+20	37	50	15	44.5
22.00	11	56	24	8	2	49	3	53	35	+20	26	23	15	44.6
23.00	12	0	21	8	6	48	3	53	32	+20	14	35	15	44.6
24.00	12	4	17	8	10	47	3	53	30	+20	2	26	15	44.7
25.00	12	8	14	8	14	45	3	53	29	+19	49	58	15	44.8
26.00	12	12	10	8	18	42	3	53	28	+19	37	10	15	44.9
27.00	12	16	7	8	22	39	3	53	28	+19	24	2	15	45.0
28.00	12	20	4	8	26	35	3	53	28	+19	10	35	15	45.1
29.00	12	24	0	8	30	30	3	53	29	+18	56	49	15	45.2
30.00	12	27	57	8	34	25	3	53	31	+18	42	45	15	45.3
31.00	12	31	53	8	38	19	3	53	33	+18	28	22	15	45.4

MATAHARI

2015 Ogos

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	12	35	50	8	42	13	3	53	36	+18	13	41	15	45.5	
2.00	12	39	46	8	46	6	3	53	40	+17	58	42	15	45.6	
3.00	12	43	43	8	49	59	3	53	44	+17	43	25	15	45.7	
4.00	12	47	39	8	53	50	3	53	48	+17	27	52	15	45.9	
5.00	12	51	36	8	57	42	3	53	54	+17	12	1	15	46.0	
6.00	12	55	33	9	1	32	3	54	0	+16	55	53	15	46.1	
7.00	12	59	29	9	5	23	3	54	6	+16	39	29	15	46.2	
8.00	13	3	26	9	9	12	3	54	13	+16	22	48	15	46.4	
9.00	13	7	22	9	13	1	3	54	21	+16	5	52	15	46.5	
10.00	13	11	19	9	16	49	3	54	29	+15	48	40	15	46.7	
11.00	13	15	15	9	20	37	3	54	38	+15	31	13	15	46.8	
12.00	13	19	12	9	24	25	3	54	47	+15	13	31	15	46.9	
13.00	13	23	8	9	28	11	3	54	57	+14	55	34	15	47.1	
14.00	13	27	5	9	31	57	3	55	7	+14	37	23	15	47.3	
15.00	13	31	2	9	35	43	3	55	18	+14	18	58	15	47.4	
16.00	13	34	58	9	39	28	3	55	30	+14	0	20	15	47.6	
17.00	13	38	55	9	43	13	3	55	42	+13	41	28	15	47.8	
18.00	13	42	51	9	46	57	3	55	54	+13	22	23	15	47.9	
19.00	13	46	48	9	50	40	3	56	7	+13	3	6	15	48.1	
20.00	13	50	44	9	54	23	3	56	21	+12	43	36	15	48.3	
21.00	13	54	41	9	58	6	3	56	35	+12	23	54	15	48.5	
22.00	13	58	37	10	1	48	3	56	49	+12	4	0	15	48.7	
23.00	14	2	34	10	5	29	3	57	4	+11	43	55	15	48.9	
24.00	14	6	30	10	9	10	3	57	20	+11	23	39	15	49.1	
25.00	14	10	27	10	12	51	3	57	36	+11	3	13	15	49.3	
26.00	14	14	24	10	16	31	3	57	52	+10	42	35	15	49.5	
27.00	14	18	20	10	20	11	3	58	9	+10	21	48	15	49.7	
28.00	14	22	17	10	23	50	3	58	26	+10	0	51	15	49.9	
29.00	14	26	13	10	27	29	3	58	44	+9	39	44	15	50.2	
30.00	14	30	10	10	31	7	3	59	2	+9	18	29	15	50.4	
31.00	14	34	6	10	34	46	3	59	20	+8	57	4	15	50.6	

MATAHARI

2015 September

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	14	38	3	10	38	24	3	59	39	+	8	35	31	15	50.8
2.00	14	41	59	10	42	1	3	59	58	+	8	13	49	15	51.0
3.00	14	45	56	10	45	38	4	0	17	+	7	52	0	15	51.2
4.00	14	49	53	10	49	15	4	0	37	+	7	30	2	15	51.5
5.00	14	53	49	10	52	52	4	0	56	+	7	7	58	15	51.7
6.00	14	57	46	10	56	29	4	1	16	+	6	45	46	15	51.9
7.00	15	1	42	11	0	5	4	1	36	+	6	23	28	15	52.1
8.00	15	5	39	11	3	41	4	1	57	+	6	1	3	15	52.4
9.00	15	9	35	11	7	17	4	2	17	+	5	38	32	15	52.6
10.00	15	13	32	11	10	53	4	2	38	+	5	15	55	15	52.8
11.00	15	17	28	11	14	29	4	2	59	+	4	53	13	15	53.1
12.00	15	21	25	11	18	5	4	3	20	+	4	30	26	15	53.3
13.00	15	25	22	11	21	40	4	3	41	+	4	7	35	15	53.6
14.00	15	29	18	11	25	15	4	4	2	+	3	44	39	15	53.8
15.00	15	33	15	11	28	51	4	4	23	+	3	21	39	15	54.1
16.00	15	37	11	11	32	26	4	4	45	+	2	58	35	15	54.3
17.00	15	41	8	11	36	1	4	5	6	+	2	35	28	15	54.6
18.00	15	45	4	11	39	36	4	5	27	+	2	12	18	15	54.9
19.00	15	49	1	11	43	12	4	5	49	+	1	49	5	15	55.1
20.00	15	52	57	11	46	47	4	6	10	+	1	25	50	15	55.4
21.00	15	56	54	11	50	22	4	6	31	+	1	2	34	15	55.7
22.00	16	0	51	11	53	57	4	6	53	+	0	39	15	15	55.9
23.00	16	4	47	11	57	33	4	7	14	+	0	15	55	15	56.2
24.00	16	8	44	12	1	8	4	7	35	-	0	7	25	15	56.5
25.00	16	12	40	12	4	44	4	7	56	-	0	30	46	15	56.7
26.00	16	16	37	12	8	19	4	8	17	-	0	54	7	15	57.0
27.00	16	20	33	12	11	55	4	8	38	-	1	17	29	15	57.3
28.00	16	24	30	12	15	31	4	8	58	-	1	40	50	15	57.6
29.00	16	28	26	12	19	7	4	9	19	-	2	4	10	15	57.8
30.00	16	32	23	12	22	44	4	9	39	-	2	27	30	15	58.1

MATAHARI

2015 Oktober

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	16	36	20	12	26	20	4	9	59	-	2	50	48	15	58.4
2.00	16	40	16	12	29	57	4	10	18	-	3	14	4	15	58.6
3.00	16	44	13	12	33	35	4	10	37	-	3	37	18	15	58.9
4.00	16	48	9	12	37	12	4	10	56	-	4	0	30	15	59.2
5.00	16	52	6	12	40	50	4	11	15	-	4	23	39	15	59.5
6.00	16	56	2	12	44	29	4	11	33	-	4	46	45	15	59.7
7.00	16	59	59	12	48	7	4	11	51	-	5	9	48	15	60.0
8.00	17	3	55	12	51	46	4	12	8	-	5	32	47	16	.3
9.00	17	7	52	12	55	26	4	12	25	-	5	55	42	16	.5
10.00	17	11	49	12	59	6	4	12	42	-	6	18	32	16	.8
11.00	17	15	45	13	2	47	4	12	58	-	6	41	17	16	1.1
12.00	17	19	42	13	6	27	4	13	14	-	7	3	57	16	1.4
13.00	17	23	38	13	10	9	4	13	29	-	7	26	31	16	1.6
14.00	17	27	35	13	13	51	4	13	43	-	7	48	59	16	1.9
15.00	17	31	31	13	17	33	4	13	58	-	8	11	20	16	2.2
16.00	17	35	28	13	21	16	4	14	11	-	8	33	35	16	2.5
17.00	17	39	24	13	25	0	4	14	24	-	8	55	42	16	2.7
18.00	17	43	21	13	28	44	4	14	37	-	9	17	42	16	3.0
19.00	17	47	18	13	32	29	4	14	48	-	9	39	34	16	3.3
20.00	17	51	14	13	36	14	4	15	0	-	10	1	17	16	3.6
21.00	17	55	11	13	40	0	4	15	10	-	10	22	51	16	3.8
22.00	17	59	7	13	43	46	4	15	20	-	10	44	16	16	4.1
23.00	18	3	4	13	47	33	4	15	30	-	11	5	32	16	4.4
24.00	18	7	0	13	51	21	4	15	39	-	11	26	37	16	4.7
25.00	18	10	57	13	55	10	4	15	47	-	11	47	32	16	4.9
26.00	18	14	53	13	58	59	4	15	54	-	12	8	16	16	5.2
27.00	18	18	50	14	2	49	4	16	1	-	12	28	49	16	5.5
28.00	18	22	47	14	6	40	4	16	7	-	12	49	11	16	5.7
29.00	18	26	43	14	10	31	4	16	12	-	13	9	20	16	6.0
30.00	18	30	40	14	14	23	4	16	16	-	13	29	17	16	6.3
31.00	18	34	36	14	18	16	4	16	20	-	13	49	1	16	6.5

MATAHARI

2015 November

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	18	38	33	14	22	10	4	16	23	-14	8	33	16	6.8
2.00	18	42	29	14	26	4	4	16	25	-14	27	50	16	7.0
3.00	18	46	26	14	29	59	4	16	26	-14	46	54	16	7.2
4.00	18	50	22	14	33	56	4	16	26	-15	5	44	16	7.5
5.00	18	54	19	14	37	53	4	16	26	-15	24	19	16	7.7
6.00	18	58	16	14	41	50	4	16	25	-15	42	38	16	8.0
7.00	19	2	12	14	45	49	4	16	23	-16	0	43	16	8.2
8.00	19	6	9	14	49	49	4	16	20	-16	18	31	16	8.4
9.00	19	10	5	14	53	49	4	16	16	-16	36	3	16	8.7
10.00	19	14	2	14	57	50	4	16	11	-16	53	18	16	8.9
11.00	19	17	58	15	1	52	4	16	6	-17	10	16	16	9.1
12.00	19	21	55	15	5	55	4	15	59	-17	26	56	16	9.4
13.00	19	25	52	15	9	59	4	15	52	-17	43	19	16	9.6
14.00	19	29	48	15	14	4	4	15	44	-17	59	23	16	9.8
15.00	19	33	45	15	18	9	4	15	35	-18	15	8	16	10.0
16.00	19	37	41	15	22	15	4	15	25	-18	30	34	16	10.3
17.00	19	41	38	15	26	23	4	15	15	-18	45	40	16	10.5
18.00	19	45	34	15	30	30	4	15	3	-19	0	27	16	10.7
19.00	19	49	31	15	34	39	4	14	51	-19	14	53	16	10.9
20.00	19	53	27	15	38	49	4	14	38	-19	28	58	16	11.1
21.00	19	57	24	15	42	59	4	14	24	-19	42	42	16	11.3
22.00	20	1	21	15	47	10	4	14	10	-19	56	5	16	11.5
23.00	20	5	17	15	51	22	4	13	54	-20	9	5	16	11.7
24.00	20	9	14	15	55	35	4	13	38	-20	21	44	16	11.9
25.00	20	13	10	15	59	49	4	13	21	-20	34	0	16	12.1
26.00	20	17	7	16	4	3	4	13	3	-20	45	53	16	12.3
27.00	20	21	3	16	8	18	4	12	45	-20	57	23	16	12.5
28.00	20	25	0	16	12	34	4	12	26	-21	8	29	16	12.7
29.00	20	28	56	16	16	50	4	12	6	-21	19	11	16	12.8
30.00	20	32	53	16	21	7	4	11	45	-21	29	30	16	13.0

MATAHARI

2015 Desember

WPM	GST			R.A.			GHA			DEK			SD		
	h	j	m s	j	m	s	j	m	s	o	`	"	`	"	
1.00	20	36	49	16	25	25	4	11	24	-21	39	24	16	13.2	
2.00	20	40	46	16	29	44	4	11	2	-21	48	53	16	13.3	
3.00	20	44	43	16	34	3	4	10	39	-21	57	57	16	13.5	
4.00	20	48	39	16	38	23	4	10	16	-22	6	36	16	13.6	
5.00	20	52	36	16	42	43	4	9	52	-22	14	49	16	13.8	
6.00	20	56	32	16	47	4	4	9	27	-22	22	36	16	13.9	
7.00	21	0	29	16	51	26	4	9	2	-22	29	58	16	14.0	
8.00	21	4	25	16	55	48	4	8	37	-22	36	53	16	14.2	
9.00	21	8	22	17	0	11	4	8	10	-22	43	21	16	14.3	
10.00	21	12	18	17	4	34	4	7	44	-22	49	23	16	14.4	
11.00	21	16	15	17	8	58	4	7	17	-22	54	58	16	14.5	
12.00	21	20	12	17	13	22	4	6	49	-23	0	6	16	14.7	
13.00	21	24	8	17	17	46	4	6	21	-23	4	46	16	14.8	
14.00	21	28	5	17	22	11	4	5	53	-23	8	59	16	14.9	
15.00	21	32	1	17	26	36	4	5	25	-23	12	45	16	15.0	
16.00	21	35	58	17	31	1	4	4	56	-23	16	2	16	15.1	
17.00	21	39	54	17	35	27	4	4	27	-23	18	52	16	15.2	
18.00	21	43	51	17	39	53	4	3	58	-23	21	14	16	15.3	
19.00	21	47	47	17	44	19	4	3	28	-23	23	8	16	15.4	
20.00	21	51	44	17	48	45	4	2	59	-23	24	33	16	15.5	
21.00	21	55	41	17	53	11	4	2	29	-23	25	31	16	15.5	
22.00	21	59	37	17	57	37	4	1	59	-23	26	0	16	15.6	
23.00	22	3	34	18	2	4	4	1	29	-23	26	1	16	15.7	
24.00	22	7	30	18	6	30	4	1	0	-23	25	34	16	15.8	
25.00	22	11	27	18	10	56	4	0	30	-23	24	38	16	15.8	
26.00	22	15	23	18	15	23	4	0	0	-23	23	15	16	15.9	
27.00	22	19	20	18	19	49	3	59	31	-23	21	23	16	15.9	
28.00	22	23	16	18	24	15	3	59	1	-23	19	3	16	16.0	
29.00	22	27	13	18	28	41	3	58	32	-23	16	15	16	16.0	
30.00	22	31	10	18	33	6	3	58	3	-23	12	59	16	16.0	
31.00	22	35	6	18	37	32	3	57	34	-23	9	14	16	16.0	