

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

MATAHARI

2016 Januari

WPM	GST			R.A.			GHA			DEK			SD	
	h	j	m s	j	m	s	j	m	s	o	`	"	`	"
1.00	22	39	2	18	41	57	3	57	5	-23	5	3	16	16.0
2.00	22	42	59	18	46	22	3	56	36	-23	0	23	16	16.1
3.00	22	46	56	18	50	47	3	56	8	-22	55	16	16	16.1
4.00	22	50	52	18	55	11	3	55	40	-22	49	41	16	16.1
5.00	22	54	49	18	59	35	3	55	13	-22	43	39	16	16.0
6.00	22	58	45	19	3	59	3	54	46	-22	37	10	16	16.0
7.00	23	2	42	19	8	22	3	54	19	-22	30	15	16	16.0
8.00	23	6	39	19	12	45	3	53	53	-22	22	52	16	16.0
9.00	23	10	35	19	17	8	3	53	27	-22	15	3	16	16.0
10.00	23	14	32	19	21	29	3	53	2	-22	6	48	16	16.0
11.00	23	18	28	19	25	51	3	52	37	-21	58	7	16	15.9
12.00	23	22	25	19	30	11	3	52	13	-21	49	1	16	15.9
13.00	23	26	21	19	34	32	3	51	49	-21	39	28	16	15.9
14.00	23	30	18	19	38	51	3	51	26	-21	29	31	16	15.8
15.00	23	34	14	19	43	10	3	51	4	-21	19	9	16	15.8
16.00	23	38	11	19	47	28	3	50	42	-21	8	22	16	15.7
17.00	23	42	8	19	51	46	3	50	21	-20	57	11	16	15.7
18.00	23	46	4	19	56	2	3	50	1	-20	45	36	16	15.6
19.00	23	50	1	20	0	19	3	49	42	-20	33	37	16	15.5
20.00	23	53	57	20	4	34	3	49	23	-20	21	15	16	15.5
21.00	23	57	54	20	8	48	3	49	5	-20	8	30	16	15.4
22.00	0	1	50	20	13	2	3	48	48	-19	55	22	16	15.3
23.00	0	5	47	20	17	15	3	48	31	-19	41	52	16	15.2
24.00	0	9	43	20	21	28	3	48	15	-19	28	0	16	15.1
25.00	0	13	40	20	25	39	3	48	0	-19	13	47	16	15.0
26.00	0	17	36	20	29	50	3	47	46	-18	59	12	16	14.9
27.00	0	21	33	20	34	0	3	47	33	-18	44	17	16	14.8
28.00	0	25	30	20	38	9	3	47	20	-18	29	1	16	14.7
29.00	0	29	26	20	42	17	3	47	8	-18	13	24	16	14.6
30.00	0	33	23	20	46	25	3	46	57	-17	57	28	16	14.5
31.00	0	37	19	20	50	32	3	46	47	-17	41	13	16	14.3

MATAHARI

2016

Februari

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	`	"	`	"
1.00	0	41	16	20	54	38	3	46	38	-17	24	39	16	14.2
2.00	0	45	12	20	58	43	3	46	29	-17	7	46	16	14.0
3.00	0	49	9	21	2	47	3	46	21	-16	50	35	16	13.9
4.00	0	53	6	21	6	51	3	46	14	-16	33	6	16	13.8
5.00	0	57	2	21	10	53	3	46	8	-16	15	20	16	13.6
6.00	1	0	59	21	14	55	3	46	3	-15	57	17	16	13.4
7.00	1	4	55	21	18	57	3	45	58	-15	38	57	16	13.3
8.00	1	8	52	21	22	57	3	45	54	-15	20	22	16	13.1
9.00	1	12	48	21	26	57	3	45	51	-15	1	30	16	13.0
10.00	1	16	45	21	30	55	3	45	49	-14	42	24	16	12.8
11.00	1	20	41	21	34	53	3	45	47	-14	23	3	16	12.6
12.00	1	24	38	21	38	51	3	45	47	-14	3	27	16	12.4
13.00	1	28	35	21	42	47	3	45	47	-13	43	37	16	12.3
14.00	1	32	31	21	46	43	3	45	48	-13	23	34	16	12.1
15.00	1	36	28	21	50	38	3	45	49	-13	3	18	16	11.9
16.00	1	40	24	21	54	32	3	45	52	-12	42	49	16	11.7
17.00	1	44	21	21	58	25	3	45	55	-12	22	8	16	11.5
18.00	1	48	17	22	2	18	3	45	59	-12	1	16	16	11.3
19.00	1	52	14	22	6	10	3	46	3	-11	40	12	16	11.1
20.00	1	56	10	22	10	1	3	46	9	-11	18	56	16	10.9
21.00	2	0	7	22	13	52	3	46	15	-10	57	31	16	10.7
22.00	2	4	4	22	17	42	3	46	21	-10	35	55	16	10.5
23.00	2	8	0	22	21	31	3	46	29	-10	14	9	16	10.3
24.00	2	11	57	22	25	20	3	46	37	-9	52	13	16	10.1
25.00	2	15	53	22	29	8	3	46	45	-9	30	9	16	9.9
26.00	2	19	50	22	32	55	3	46	54	-9	7	56	16	9.6
27.00	2	23	46	22	36	42	3	47	4	-8	45	35	16	9.4
28.00	2	27	43	22	40	28	3	47	14	-8	23	6	16	9.2
29.00	2	31	39	22	44	14	3	47	25	-8	0	29	16	8.9

MATAHARI

2016

Mac

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	`	"	`	"	
1.00	2	35	36	22	47	59	3	47	36	-	7	37	46	16	8.7
2.00	2	39	33	22	51	44	3	47	48	-	7	14	55	16	8.5
3.00	2	43	29	22	55	28	3	48	0	-	6	51	59	16	8.2
4.00	2	47	26	22	59	12	3	48	13	-	6	28	56	16	8.0
5.00	2	51	22	23	2	56	3	48	26	-	6	5	49	16	7.7
6.00	2	55	19	23	6	39	3	48	40	-	5	42	36	16	7.5
7.00	2	59	15	23	10	21	3	48	54	-	5	19	18	16	7.2
8.00	3	3	12	23	14	3	3	49	8	-	4	55	56	16	6.9
9.00	3	7	8	23	17	45	3	49	23	-	4	32	30	16	6.7
10.00	3	11	5	23	21	27	3	49	38	-	4	9	0	16	6.4
11.00	3	15	2	23	25	8	3	49	53	-	3	45	28	16	6.2
12.00	3	18	58	23	28	49	3	50	9	-	3	21	53	16	5.9
13.00	3	22	55	23	32	29	3	50	25	-	2	58	15	16	5.7
14.00	3	26	51	23	36	9	3	50	41	-	2	34	36	16	5.4
15.00	3	30	48	23	39	49	3	50	58	-	2	10	55	16	5.2
16.00	3	34	44	23	43	29	3	51	15	-	1	47	13	16	4.9
17.00	3	38	41	23	47	8	3	51	32	-	1	23	30	16	4.6
18.00	3	42	37	23	50	48	3	51	49	-	0	59	47	16	4.4
19.00	3	46	34	23	54	27	3	52	7	-	0	36	3	16	4.1
20.00	3	50	31	23	58	6	3	52	24	-	0	12	21	16	3.8
21.00	3	54	27	0	1	44	3	52	42	+	0	11	21	16	3.6
22.00	3	58	24	0	5	23	3	53	0	+	0	35	2	16	3.3
23.00	4	2	20	0	9	2	3	53	18	+	0	58	42	16	3.0
24.00	4	6	17	0	12	40	3	53	36	+	1	22	20	16	2.8
25.00	4	10	13	0	16	18	3	53	55	+	1	45	56	16	2.5
26.00	4	14	10	0	19	57	3	54	13	+	2	9	30	16	2.2
27.00	4	18	7	0	23	35	3	54	31	+	2	33	1	16	1.9
28.00	4	22	3	0	27	13	3	54	49	+	2	56	29	16	1.7
29.00	4	26	0	0	30	52	3	55	7	+	3	19	53	16	1.4
30.00	4	29	56	0	34	30	3	55	25	+	3	43	14	16	1.1
31.00	4	33	53	0	38	9	3	55	43	+	4	6	31	16	.8

MATAHARI

2016

April

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	`	"	`	"	
1.00	4	37	49	0	41	47	3	56	1	+	4	29	43	16	.5
2.00	4	41	46	0	45	26	3	56	19	+	4	52	50	16	.2
3.00	4	45	42	0	49	5	3	56	37	+	5	15	52	15	60.0
4.00	4	49	39	0	52	44	3	56	54	+	5	38	49	15	59.7
5.00	4	53	36	0	56	24	3	57	12	+	6	1	40	15	59.4
6.00	4	57	32	1	0	3	3	57	29	+	6	24	25	15	59.1
7.00	5	1	29	1	3	43	3	57	46	+	6	47	3	15	58.8
8.00	5	5	25	1	7	23	3	58	2	+	7	9	34	15	58.6
9.00	5	9	22	1	11	3	3	58	19	+	7	31	58	15	58.3
10.00	5	13	18	1	14	43	3	58	35	+	7	54	15	15	58.0
11.00	5	17	15	1	18	24	3	58	51	+	8	16	23	15	57.8
12.00	5	21	11	1	22	5	3	59	6	+	8	38	23	15	57.5
13.00	5	25	8	1	25	46	3	59	22	+	9	0	14	15	57.2
14.00	5	29	5	1	29	27	3	59	37	+	9	21	56	15	57.0
15.00	5	33	1	1	33	9	3	59	52	+	9	43	28	15	56.7
16.00	5	36	58	1	36	51	4	0	6	+10	4	51		15	56.4
17.00	5	40	54	1	40	34	4	0	20	+10	26	4		15	56.2
18.00	5	44	51	1	44	16	4	0	34	+10	47	7		15	55.9
19.00	5	48	47	1	48	0	4	0	47	+11	7	58		15	55.7
20.00	5	52	44	1	51	43	4	1	0	+11	28	39		15	55.4
21.00	5	56	41	1	55	27	4	1	13	+11	49	8		15	55.1
22.00	6	0	37	1	59	12	4	1	25	+12	9	26		15	54.9
23.00	6	4	34	2	2	57	4	1	36	+12	29	31		15	54.6
24.00	6	8	30	2	6	42	4	1	48	+12	49	24		15	54.4
25.00	6	12	27	2	10	28	4	1	58	+13	9	5		15	54.1
26.00	6	16	23	2	14	14	4	2	9	+13	28	32		15	53.9
27.00	6	20	20	2	18	1	4	2	18	+13	47	47		15	53.6
28.00	6	24	16	2	21	48	4	2	27	+14	6	47		15	53.3
29.00	6	28	13	2	25	36	4	2	36	+14	25	34		15	53.1
30.00	6	32	10	2	29	25	4	2	44	+14	44	6		15	52.8

MATAHARI

2016

Mei

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	6	36	6	2	33	14	4	2	52	+15	2	25	15	52.6
2.00	6	40	3	2	37	3	4	2	59	+15	20	28	15	52.3
3.00	6	43	59	2	40	53	4	3	5	+15	38	16	15	52.1
4.00	6	47	56	2	44	44	4	3	11	+15	55	48	15	51.9
5.00	6	51	52	2	48	35	4	3	17	+16	13	5	15	51.6
6.00	6	55	49	2	52	27	4	3	21	+16	30	6	15	51.4
7.00	6	59	45	2	56	19	4	3	26	+16	46	50	15	51.2
8.00	7	3	42	3	0	12	4	3	29	+17	3	17	15	50.9
9.00	7	7	39	3	4	6	4	3	32	+17	19	28	15	50.7
10.00	7	11	35	3	8	0	4	3	35	+17	35	21	15	50.5
11.00	7	15	32	3	11	54	4	3	37	+17	50	56	15	50.3
12.00	7	19	28	3	15	50	4	3	38	+18	6	13	15	50.1
13.00	7	23	25	3	19	45	4	3	39	+18	21	12	15	49.9
14.00	7	27	21	3	23	41	4	3	39	+18	35	52	15	49.7
15.00	7	31	18	3	27	38	4	3	39	+18	50	14	15	49.5
16.00	7	35	14	3	31	36	4	3	38	+19	4	16	15	49.3
17.00	7	39	11	3	35	34	4	3	37	+19	17	59	15	49.1
18.00	7	43	8	3	39	32	4	3	35	+19	31	22	15	48.9
19.00	7	47	4	3	43	31	4	3	33	+19	44	25	15	48.7
20.00	7	51	1	3	47	31	4	3	30	+19	57	8	15	48.5
21.00	7	54	57	3	51	31	4	3	26	+20	9	31	15	48.3
22.00	7	58	54	3	55	31	4	3	22	+20	21	33	15	48.2
23.00	8	2	50	3	59	32	4	3	17	+20	33	13	15	48.0
24.00	8	6	47	4	3	34	4	3	12	+20	44	33	15	47.8
25.00	8	10	43	4	7	36	4	3	7	+20	55	31	15	47.6
26.00	8	14	40	4	11	39	4	3	1	+21	6	8	15	47.4
27.00	8	18	37	4	15	42	4	2	54	+21	16	23	15	47.3
28.00	8	22	33	4	19	46	4	2	47	+21	26	16	15	47.1
29.00	8	26	30	4	23	50	4	2	39	+21	35	46	15	46.9
30.00	8	30	26	4	27	54	4	2	31	+21	44	55	15	46.8
31.00	8	34	23	4	31	59	4	2	23	+21	53	40	15	46.6

MATAHARI

2016

Jun

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	8	38	19	4	36	5	4	2	14	+22	2	3	15	46.5
2.00	8	42	16	4	40	11	4	2	5	+22	10	3	15	46.3
3.00	8	46	12	4	44	17	4	1	55	+22	17	39	15	46.2
4.00	8	50	9	4	48	24	4	1	45	+22	24	52	15	46.0
5.00	8	54	6	4	52	31	4	1	34	+22	31	42	15	45.9
6.00	8	58	2	4	56	38	4	1	24	+22	38	8	15	45.8
7.00	9	1	59	5	0	46	4	1	13	+22	44	10	15	45.7
8.00	9	5	55	5	4	53	4	1	1	+22	49	48	15	45.6
9.00	9	9	52	5	9	2	4	0	50	+22	55	3	15	45.4
10.00	9	13	48	5	13	10	4	0	38	+22	59	53	15	45.3
11.00	9	17	45	5	17	19	4	0	26	+23	4	19	15	45.2
12.00	9	21	41	5	21	27	4	0	13	+23	8	20	15	45.1
13.00	9	25	38	5	25	36	4	0	1	+23	11	57	15	45.0
14.00	9	29	34	5	29	46	3	59	48	+23	15	9	15	45.0
15.00	9	33	31	5	33	55	3	59	36	+23	17	57	15	44.9
16.00	9	37	28	5	38	4	3	59	23	+23	20	20	15	44.8
17.00	9	41	24	5	42	14	3	59	10	+23	22	18	15	44.7
18.00	9	45	21	5	46	23	3	58	57	+23	23	52	15	44.6
19.00	9	49	17	5	50	33	3	58	44	+23	25	0	15	44.6
20.00	9	53	14	5	54	42	3	58	31	+23	25	44	15	44.5
21.00	9	57	10	5	58	52	3	58	18	+23	26	3	15	44.4
22.00	10	1	7	6	3	1	3	58	5	+23	25	58	15	44.4
23.00	10	5	3	6	7	11	3	57	52	+23	25	27	15	44.3
24.00	10	9	0	6	11	20	3	57	40	+23	24	32	15	44.3
25.00	10	12	57	6	15	29	3	57	27	+23	23	12	15	44.2
26.00	10	16	53	6	19	38	3	57	14	+23	21	27	15	44.2
27.00	10	20	50	6	23	47	3	57	2	+23	19	18	15	44.1
28.00	10	24	46	6	27	56	3	56	49	+23	16	44	15	44.1
29.00	10	28	43	6	32	5	3	56	37	+23	13	46	15	44.1
30.00	10	32	39	6	36	14	3	56	25	+23	10	23	15	44.0

MATAHARI

2016

Julai

WPM	GST			R.A.			GHA			DEK			SD	
	h	j	m s	j	m	s	j	m	s	o	`	"	`	"
1.00	10	36	36	6	40	22	3	56	13	+23	6	35	15	44.0
2.00	10	40	32	6	44	30	3	56	2	+23	2	24	15	44.0
3.00	10	44	29	6	48	38	3	55	50	+22	57	48	15	44.0
4.00	10	48	26	6	52	46	3	55	39	+22	52	49	15	44.0
5.00	10	52	22	6	56	53	3	55	29	+22	47	25	15	43.9
6.00	10	56	19	7	1	0	3	55	18	+22	41	38	15	44.0
7.00	11	0	15	7	5	6	3	55	8	+22	35	27	15	44.0
8.00	11	4	12	7	9	13	3	54	59	+22	28	53	15	44.0
9.00	11	8	8	7	13	18	3	54	50	+22	21	55	15	44.0
10.00	11	12	5	7	17	24	3	54	41	+22	14	34	15	44.0
11.00	11	16	1	7	21	29	3	54	32	+22	6	51	15	44.0
12.00	11	19	58	7	25	33	3	54	25	+21	58	44	15	44.1
13.00	11	23	55	7	29	37	3	54	17	+21	50	15	15	44.1
14.00	11	27	51	7	33	40	3	54	10	+21	41	24	15	44.2
15.00	11	31	48	7	37	43	3	54	4	+21	32	10	15	44.2
16.00	11	35	44	7	41	46	3	53	58	+21	22	34	15	44.3
17.00	11	39	41	7	45	48	3	53	53	+21	12	37	15	44.3
18.00	11	43	37	7	49	49	3	53	48	+21	2	18	15	44.4
19.00	11	47	34	7	53	50	3	53	44	+20	51	38	15	44.4
20.00	11	51	30	7	57	50	3	53	40	+20	40	36	15	44.5
21.00	11	55	27	8	1	50	3	53	37	+20	29	14	15	44.6
22.00	11	59	24	8	5	49	3	53	34	+20	17	31	15	44.6
23.00	12	3	20	8	9	48	3	53	32	+20	5	28	15	44.7
24.00	12	7	17	8	13	46	3	53	31	+19	53	5	15	44.8
25.00	12	11	13	8	17	43	3	53	30	+19	40	22	15	44.9
26.00	12	15	10	8	21	40	3	53	29	+19	27	19	15	45.0
27.00	12	19	6	8	25	36	3	53	30	+19	13	56	15	45.0
28.00	12	23	3	8	29	32	3	53	30	+19	0	15	15	45.1
29.00	12	26	59	8	33	27	3	53	32	+18	46	14	15	45.2
30.00	12	30	56	8	37	22	3	53	34	+18	31	56	15	45.3
31.00	12	34	53	8	41	16	3	53	36	+18	17	19	15	45.4

MATAHARI

2016

Ogos

WPM	GST			R.A.			GHA			DEK			SD	
	h	j	m s	j	m	s	j	m	s	o	`	"	`	"
1.00	12	38	49	8	45	9	3	53	40	+18	2	23	15	45.5
2.00	12	42	46	8	49	2	3	53	43	+17	47	11	15	45.7
3.00	12	46	42	8	52	54	3	53	48	+17	31	41	15	45.8
4.00	12	50	39	8	56	45	3	53	53	+17	15	53	15	45.9
5.00	12	54	35	9	0	36	3	53	58	+16	59	49	15	46.0
6.00	12	58	32	9	4	27	3	54	5	+16	43	29	15	46.2
7.00	13	2	28	9	8	17	3	54	11	+16	26	52	15	46.3
8.00	13	6	25	9	12	6	3	54	19	+16	10	0	15	46.5
9.00	13	10	22	9	15	54	3	54	27	+15	52	52	15	46.6
10.00	13	14	18	9	19	42	3	54	35	+15	35	29	15	46.8
11.00	13	18	15	9	23	29	3	54	45	+15	17	51	15	46.9
12.00	13	22	11	9	27	16	3	54	54	+14	59	58	15	47.1
13.00	13	26	8	9	31	2	3	55	5	+14	41	51	15	47.3
14.00	13	30	4	9	34	48	3	55	16	+14	23	30	15	47.4
15.00	13	34	1	9	38	33	3	55	27	+14	4	55	15	47.6
16.00	13	37	57	9	42	18	3	55	39	+13	46	7	15	47.8
17.00	13	41	54	9	46	2	3	55	52	+13	27	6	15	48.0
18.00	13	45	51	9	49	45	3	56	5	+13	7	52	15	48.1
19.00	13	49	47	9	53	28	3	56	19	+12	48	26	15	48.3
20.00	13	53	44	9	57	11	3	56	33	+12	28	47	15	48.5
21.00	13	57	40	10	0	53	3	56	47	+12	8	57	15	48.7
22.00	14	1	37	10	4	34	3	57	2	+11	48	55	15	48.9
23.00	14	5	33	10	8	15	3	57	18	+11	28	42	15	49.1
24.00	14	9	30	10	11	56	3	57	34	+11	8	17	15	49.3
25.00	14	13	26	10	15	36	3	57	50	+10	47	43	15	49.5
26.00	14	17	23	10	19	16	3	58	6	+10	26	57	15	49.7
27.00	14	21	20	10	22	56	3	58	24	+10	6	2	15	49.9
28.00	14	25	16	10	26	35	3	58	41	+9	44	57	15	50.1
29.00	14	29	13	10	30	14	3	58	59	+9	23	43	15	50.3
30.00	14	33	9	10	33	52	3	59	17	+9	2	20	15	50.5
31.00	14	37	6	10	37	30	3	59	35	+8	40	48	15	50.7

MATAHARI

2016

September

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	14	41	2	10	41	8	3	59	54	+	8	19	8	15	50.9
2.00	14	44	59	10	44	46	4	0	13	+	7	57	19	15	51.1
3.00	14	48	55	10	48	23	4	0	32	+	7	35	23	15	51.4
4.00	14	52	52	10	52	0	4	0	52	+	7	13	20	15	51.6
5.00	14	56	49	10	55	37	4	1	12	+	6	51	9	15	51.8
6.00	15	0	45	10	59	13	4	1	32	+	6	28	52	15	52.1
7.00	15	4	42	11	2	49	4	1	52	+	6	6	29	15	52.3
8.00	15	8	38	11	6	25	4	2	12	+	5	43	59	15	52.6
9.00	15	12	35	11	10	1	4	2	33	+	5	21	24	15	52.8
10.00	15	16	31	11	13	37	4	2	54	+	4	58	44	15	53.1
11.00	15	20	28	11	17	12	4	3	15	+	4	35	58	15	53.3
12.00	15	24	25	11	20	48	4	3	36	+	4	13	8	15	53.6
13.00	15	28	21	11	24	23	4	3	57	+	3	50	14	15	53.8
14.00	15	32	18	11	27	58	4	4	19	+	3	27	15	15	54.1
15.00	15	36	14	11	31	33	4	4	40	+	3	4	13	15	54.3
16.00	15	40	11	11	35	9	4	5	2	+	2	41	8	15	54.6
17.00	15	44	7	11	38	44	4	5	23	+	2	17	59	15	54.9
18.00	15	48	4	11	42	19	4	5	45	+	1	54	47	15	55.1
19.00	15	52	0	11	45	54	4	6	6	+	1	31	34	15	55.4
20.00	15	55	57	11	49	29	4	6	28	+	1	8	18	15	55.6
21.00	15	59	54	11	53	4	4	6	49	+	0	45	0	15	55.9
22.00	16	3	50	11	56	39	4	7	10	+	0	21	40	15	56.2
23.00	16	7	47	12	0	15	4	7	31	-	0	1	39	15	56.4
24.00	16	11	43	12	3	50	4	7	52	-	0	25	1	15	56.7
25.00	16	15	40	12	7	26	4	8	13	-	0	48	22	15	56.9
26.00	16	19	36	12	11	2	4	8	34	-	1	11	45	15	57.2
27.00	16	23	33	12	14	38	4	8	54	-	1	35	6	15	57.5
28.00	16	27	29	12	18	14	4	9	15	-	1	58	28	15	57.7
29.00	16	31	26	12	21	51	4	9	35	-	2	21	48	15	58.0
30.00	16	35	23	12	25	28	4	9	54	-	2	45	8	15	58.3

MATAHARI

2016

Oktober

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	16	39	19	12	29	5	4	10	14	-	3	8	25	15	58.5
2.00	16	43	16	12	32	42	4	10	33	-	3	31	41	15	58.8
3.00	16	47	12	12	36	20	4	10	52	-	3	54	54	15	59.1
4.00	16	51	9	12	39	58	4	11	10	-	4	18	4	15	59.4
5.00	16	55	5	12	43	36	4	11	29	-	4	41	12	15	59.7
6.00	16	59	2	12	47	15	4	11	47	-	5	4	16	15	59.9
7.00	17	2	59	12	50	54	4	12	4	-	5	27	16	16	.2
8.00	17	6	55	12	54	33	4	12	21	-	5	50	11	16	.5
9.00	17	10	52	12	58	13	4	12	38	-	6	13	2	16	.8
10.00	17	14	48	13	1	53	4	12	54	-	6	35	49	16	1.1
11.00	17	18	45	13	5	34	4	13	10	-	6	58	29	16	1.3
12.00	17	22	41	13	9	15	4	13	25	-	7	21	4	16	1.6
13.00	17	26	38	13	12	57	4	13	40	-	7	43	33	16	1.9
14.00	17	30	34	13	16	39	4	13	55	-	8	5	56	16	2.2
15.00	17	34	31	13	20	22	4	14	9	-	8	28	12	16	2.5
16.00	17	38	28	13	24	5	4	14	22	-	8	50	20	16	2.7
17.00	17	42	24	13	27	49	4	14	35	-	9	12	21	16	3.0
18.00	17	46	21	13	31	33	4	14	47	-	9	34	14	16	3.3
19.00	17	50	17	13	35	18	4	14	58	-	9	55	59	16	3.5
20.00	17	54	14	13	39	4	4	15	9	-	10	17	35	16	3.8
21.00	17	58	10	13	42	50	4	15	19	-	10	39	2	16	4.1
22.00	18	2	7	13	46	37	4	15	29	-	11	0	19	16	4.3
23.00	18	6	3	13	50	25	4	15	38	-	11	21	27	16	4.6
24.00	18	10	0	13	54	14	4	15	46	-	11	42	25	16	4.9
25.00	18	13	57	13	58	3	4	15	53	-	12	3	12	16	5.1
26.00	18	17	53	14	1	53	4	16	0	-	12	23	48	16	5.4
27.00	18	21	50	14	5	43	4	16	6	-	12	44	13	16	5.6
28.00	18	25	46	14	9	35	4	16	11	-	13	4	26	16	5.9
29.00	18	29	43	14	13	27	4	16	16	-	13	24	27	16	6.1
30.00	18	33	39	14	17	20	4	16	19	-	13	44	15	16	6.4
31.00	18	37	36	14	21	13	4	16	22	-	14	3	50	16	6.7

MATAHARI

2016 November

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	18	41	32	14	25	8	4	16	24	-14	23	12	16	6.9
2.00	18	45	29	14	29	3	4	16	26	-14	42	20	16	7.2
3.00	18	49	26	14	32	59	4	16	26	-15	1	14	16	7.4
4.00	18	53	22	14	36	56	4	16	26	-15	19	52	16	7.7
5.00	18	57	19	14	40	53	4	16	25	-15	38	16	16	7.9
6.00	19	1	15	14	44	52	4	16	23	-15	56	24	16	8.2
7.00	19	5	12	14	48	51	4	16	20	-16	14	17	16	8.4
8.00	19	9	8	14	52	51	4	16	16	-16	31	52	16	8.7
9.00	19	13	5	14	56	52	4	16	12	-16	49	12	16	8.9
10.00	19	17	1	15	0	54	4	16	7	-17	6	14	16	9.1
11.00	19	20	58	15	4	57	4	16	1	-17	22	58	16	9.4
12.00	19	24	55	15	9	0	4	15	54	-17	39	24	16	9.6
13.00	19	28	51	15	13	4	4	15	46	-17	55	32	16	9.8
14.00	19	32	48	15	17	9	4	15	38	-18	11	22	16	10.1
15.00	19	36	44	15	21	15	4	15	28	-18	26	52	16	10.3
16.00	19	40	41	15	25	22	4	15	18	-18	42	2	16	10.5
17.00	19	44	37	15	29	30	4	15	7	-18	56	53	16	10.7
18.00	19	48	34	15	33	38	4	14	55	-19	11	23	16	10.9
19.00	19	52	30	15	37	48	4	14	42	-19	25	33	16	11.1
20.00	19	56	27	15	41	58	4	14	29	-19	39	22	16	11.3
21.00	20	0	24	15	46	9	4	14	14	-19	52	50	16	11.5
22.00	20	4	20	15	50	21	4	13	59	-20	5	56	16	11.7
23.00	20	8	17	15	54	33	4	13	43	-20	18	40	16	11.9
24.00	20	12	13	15	58	47	4	13	26	-20	31	2	16	12.1
25.00	20	16	10	16	3	1	4	13	8	-20	43	1	16	12.2
26.00	20	20	6	16	7	16	4	12	50	-20	54	37	16	12.4
27.00	20	24	3	16	11	32	4	12	31	-21	5	49	16	12.6
28.00	20	27	59	16	15	48	4	12	11	-21	16	38	16	12.8
29.00	20	31	56	16	20	5	4	11	50	-21	27	2	16	12.9
30.00	20	35	53	16	24	23	4	11	29	-21	37	2	16	13.1

MATAHARI

2016 Desember

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	20	39	49	16	28	42	4	11	7	-21	46	38	16	13.3
2.00	20	43	46	16	33	1	4	10	44	-21	55	48	16	13.4
3.00	20	47	42	16	37	21	4	10	21	-22	4	34	16	13.6
4.00	20	51	39	16	41	41	4	9	57	-22	12	54	16	13.7
5.00	20	55	35	16	46	2	4	9	33	-22	20	47	16	13.9
6.00	20	59	32	16	50	24	4	9	8	-22	28	15	16	14.0
7.00	21	3	28	16	54	46	4	8	42	-22	35	17	16	14.2
8.00	21	7	25	16	59	8	4	8	16	-22	41	52	16	14.3
9.00	21	11	22	17	3	31	4	7	50	-22	48	0	16	14.4
10.00	21	15	18	17	7	55	4	7	23	-22	53	42	16	14.6
11.00	21	19	15	17	12	18	4	6	56	-22	58	56	16	14.7
12.00	21	23	11	17	16	43	4	6	28	-23	3	43	16	14.8
13.00	21	27	8	17	21	7	4	6	0	-23	8	2	16	14.9
14.00	21	31	4	17	25	32	4	5	32	-23	11	54	16	15.0
15.00	21	35	1	17	29	57	4	5	3	-23	15	18	16	15.1
16.00	21	38	57	17	34	22	4	4	35	-23	18	14	16	15.2
17.00	21	42	54	17	38	48	4	4	5	-23	20	43	16	15.3
18.00	21	46	51	17	43	14	4	3	36	-23	22	43	16	15.4
19.00	21	50	47	17	47	40	4	3	7	-23	24	15	16	15.5
20.00	21	54	44	17	52	6	4	2	37	-23	25	20	16	15.5
21.00	21	58	40	17	56	32	4	2	7	-23	25	56	16	15.6
22.00	22	2	37	18	0	59	4	1	38	-23	26	3	16	15.7
23.00	22	6	33	18	5	25	4	1	8	-23	25	43	16	15.7
24.00	22	10	30	18	9	52	4	0	38	-23	24	54	16	15.8
25.00	22	14	26	18	14	18	4	0	8	-23	23	37	16	15.8
26.00	22	18	23	18	18	44	3	59	38	-23	21	52	16	15.8
27.00	22	22	20	18	23	11	3	59	8	-23	19	38	16	15.9
28.00	22	26	16	18	27	37	3	58	39	-23	16	57	16	15.9
29.00	22	30	13	18	32	3	3	58	10	-23	13	48	16	16.0
30.00	22	34	9	18	36	28	3	57	40	-23	10	10	16	16.0
31.00	22	38	6	18	40	54	3	57	11	-23	6	5	16	16.0