

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

MATAHARI

2018 Januari

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	22	41	5	18	44	15	3	56	49	-23	2	42	16	16.1
2.00	22	45	2	18	48	40	3	56	21	-22	57	48	16	16.1
3.00	22	48	58	18	53	5	3	55	53	-22	52	27	16	16.1
4.00	22	52	55	18	57	29	3	55	26	-22	46	38	16	16.1
5.00	22	56	51	19	1	53	3	54	58	-22	40	22	16	16.1
6.00	23	0	48	19	6	16	3	54	32	-22	33	40	16	16.1
7.00	23	4	45	19	10	39	3	54	5	-22	26	30	16	16.0
8.00	23	8	41	19	15	1	3	53	39	-22	18	54	16	16.0
9.00	23	12	38	19	19	23	3	53	14	-22	10	52	16	16.0
10.00	23	16	34	19	23	45	3	52	49	-22	2	23	16	16.0
11.00	23	20	31	19	28	5	3	52	25	-21	53	29	16	15.9
12.00	23	24	27	19	32	26	3	52	1	-21	44	9	16	15.9
13.00	23	28	24	19	36	46	3	51	38	-21	34	24	16	15.8
14.00	23	32	20	19	41	5	3	51	15	-21	24	13	16	15.8
15.00	23	36	17	19	45	23	3	50	53	-21	13	38	16	15.7
16.00	23	40	14	19	49	41	3	50	32	-21	2	39	16	15.6
17.00	23	44	10	19	53	58	3	50	11	-20	51	15	16	15.6
18.00	23	48	7	19	58	15	3	49	51	-20	39	28	16	15.5
19.00	23	52	3	20	2	31	3	49	32	-20	27	16	16	15.4
20.00	23	56	0	20	6	46	3	49	13	-20	14	42	16	15.4
21.00	23	59	56	20	11	0	3	48	56	-20	1	45	16	15.3
22.00	0	3	53	20	15	14	3	48	39	-19	48	26	16	15.2
23.00	0	7	49	20	19	27	3	48	22	-19	34	44	16	15.1
24.00	0	11	46	20	23	39	3	48	7	-19	20	40	16	15.0
25.00	0	15	43	20	27	50	3	47	52	-19	6	16	16	14.9
26.00	0	19	39	20	32	0	3	47	39	-18	51	30	16	14.8
27.00	0	23	36	20	36	10	3	47	26	-18	36	23	16	14.7
28.00	0	27	32	20	40	18	3	47	13	-18	20	57	16	14.6
29.00	0	31	29	20	44	26	3	47	2	-18	5	10	16	14.5
30.00	0	35	25	20	48	33	3	46	51	-17	49	4	16	14.4
31.00	0	39	22	20	52	40	3	46	42	-17	32	40	16	14.3

MATAHARI

2018

Februari

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	0	43	18	20	56	45	3	46	33	-17	15	56	16	14.1
2.00	0	47	15	21	0	50	3	46	25	-16	58	54	16	14.0
3.00	0	51	12	21	4	54	3	46	18	-16	41	34	16	13.8
4.00	0	55	8	21	8	57	3	46	11	-16	23	57	16	13.7
5.00	0	59	5	21	12	59	3	46	5	-16	6	3	16	13.5
6.00	1	3	1	21	17	0	3	46	1	-15	47	51	16	13.4
7.00	1	6	58	21	21	1	3	45	56	-15	29	24	16	13.2
8.00	1	10	54	21	25	1	3	45	53	-15	10	41	16	13.0
9.00	1	14	51	21	29	0	3	45	51	-14	51	42	16	12.9
10.00	1	18	47	21	32	58	3	45	49	-14	32	28	16	12.7
11.00	1	22	44	21	36	56	3	45	48	-14	12	59	16	12.5
12.00	1	26	41	21	40	52	3	45	48	-13	53	17	16	12.3
13.00	1	30	37	21	44	49	3	45	48	-13	33	20	16	12.1
14.00	1	34	34	21	48	44	3	45	49	-13	13	10	16	12.0
15.00	1	38	30	21	52	38	3	45	51	-12	52	47	16	11.8
16.00	1	42	27	21	56	32	3	45	54	-12	32	12	16	11.6
17.00	1	46	23	22	0	25	3	45	57	-12	11	24	16	11.4
18.00	1	50	20	22	4	18	3	46	2	-11	50	25	16	11.2
19.00	1	54	16	22	8	10	3	46	6	-11	29	15	16	11.0
20.00	1	58	13	22	12	1	3	46	12	-11	7	53	16	10.8
21.00	2	2	10	22	15	51	3	46	18	-10	46	21	16	10.6
22.00	2	6	6	22	19	41	3	46	25	-10	24	40	16	10.4
23.00	2	10	3	22	23	30	3	46	33	-10	2	48	16	10.1
24.00	2	13	59	22	27	18	3	46	41	-9	40	48	16	9.9
25.00	2	17	56	22	31	6	3	46	50	-9	18	39	16	9.7
26.00	2	21	52	22	34	53	3	46	59	-8	56	21	16	9.5
27.00	2	25	49	22	38	39	3	47	9	-8	33	56	16	9.3
28.00	2	29	45	22	42	25	3	47	20	-8	11	23	16	9.1

MATAHARI

2018

Mac

WPM h	GST			R.A.			GHA			DEK			SD		
	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	2	33	42	22	46	11	3	47	31	-	7	48	44	16	8.8
2.00	2	37	39	22	49	56	3	47	42	-	7	25	57	16	8.6
3.00	2	41	35	22	53	40	3	47	54	-	7	3	4	16	8.3
4.00	2	45	32	22	57	24	3	48	7	-	6	40	5	16	8.1
5.00	2	49	28	23	1	8	3	48	20	-	6	17	0	16	7.9
6.00	2	53	25	23	4	51	3	48	34	-	5	53	50	16	7.6
7.00	2	57	21	23	8	33	3	48	47	-	5	30	35	16	7.4
8.00	3	1	18	23	12	16	3	49	2	-	5	7	16	16	7.1
9.00	3	5	15	23	15	58	3	49	16	-	4	43	52	16	6.8
10.00	3	9	11	23	19	39	3	49	31	-	4	20	25	16	6.6
11.00	3	13	8	23	23	20	3	49	47	-	3	56	54	16	6.3
12.00	3	17	4	23	27	1	3	50	2	-	3	33	21	16	6.1
13.00	3	21	1	23	30	42	3	50	18	-	3	9	45	16	5.8
14.00	3	24	57	23	34	22	3	50	35	-	2	46	6	16	5.5
15.00	3	28	54	23	38	2	3	50	51	-	2	22	26	16	5.3
16.00	3	32	50	23	41	42	3	51	8	-	1	58	44	16	5.0
17.00	3	36	47	23	45	22	3	51	25	-	1	35	1	16	4.7
18.00	3	40	44	23	49	1	3	51	42	-	1	11	17	16	4.5
19.00	3	44	40	23	52	41	3	51	59	-	0	47	33	16	4.2
20.00	3	48	37	23	56	20	3	52	17	-	0	23	50	16	3.9
21.00	3	52	33	23	59	59	3	52	34	-	0	0	6	16	3.7
22.00	3	56	30	0	3	37	3	52	52	+	0	23	35	16	3.4
23.00	4	0	26	0	7	16	3	53	10	+	0	47	17	16	3.1
24.00	4	4	23	0	10	55	3	53	28	+	1	10	56	16	2.9
25.00	4	8	19	0	14	33	3	53	46	+	1	34	34	16	2.6
26.00	4	12	16	0	18	12	3	54	4	+	1	58	9	16	2.3
27.00	4	16	13	0	21	50	3	54	22	+	2	21	42	16	2.1
28.00	4	20	9	0	25	28	3	54	40	+	2	45	12	16	1.8
29.00	4	24	6	0	29	7	3	54	59	+	3	8	38	16	1.5
30.00	4	28	2	0	32	45	3	55	17	+	3	32	0	16	1.3
31.00	4	31	59	0	36	24	3	55	35	+	3	55	19	16	1.0

MATAHARI

2018 April

WPM	GST	R.A.	GHA	DEK	SD
h	j m s	j m s	j m s	o \ "	\ "
1.00	4 35 55	0 40 2	3 55 53	+ 4 18 33	16 .7
2.00	4 39 52	0 43 41	3 56 11	+ 4 41 42	16 .4
3.00	4 43 49	0 47 19	3 56 29	+ 5 4 47	16 .2
4.00	4 47 45	0 50 58	3 56 46	+ 5 27 46	15 59.9
5.00	4 51 42	0 54 37	3 57 4	+ 5 50 39	15 59.6
6.00	4 55 38	0 58 17	3 57 21	+ 6 13 26	15 59.3
7.00	4 59 35	1 1 56	3 57 38	+ 6 36 7	15 59.0
8.00	5 3 31	1 5 36	3 57 55	+ 6 58 41	15 58.8
9.00	5 7 28	1 9 16	3 58 12	+ 7 21 8	15 58.5
10.00	5 11 24	1 12 56	3 58 28	+ 7 43 27	15 58.2
11.00	5 15 21	1 16 36	3 58 44	+ 8 5 39	15 57.9
12.00	5 19 18	1 20 17	3 59 0	+ 8 27 43	15 57.6
13.00	5 23 14	1 23 58	3 59 15	+ 8 49 39	15 57.4
14.00	5 27 11	1 27 40	3 59 31	+ 9 11 25	15 57.1
15.00	5 31 7	1 31 21	3 59 45	+ 9 33 3	15 56.8
16.00	5 35 4	1 35 3	4 0 0	+ 9 54 31	15 56.6
17.00	5 39 0	1 38 46	4 0 14	+10 15 50	15 56.3
18.00	5 42 57	1 42 29	4 0 28	+10 36 58	15 56.0
19.00	5 46 53	1 46 12	4 0 41	+10 57 55	15 55.8
20.00	5 50 50	1 49 55	4 0 54	+11 18 42	15 55.5
21.00	5 54 47	1 53 39	4 1 7	+11 39 17	15 55.2
22.00	5 58 43	1 57 24	4 1 19	+11 59 41	15 55.0
23.00	6 2 40	2 1 8	4 1 31	+12 19 53	15 54.7
24.00	6 6 36	2 4 54	4 1 42	+12 39 53	15 54.5
25.00	6 10 33	2 8 39	4 1 53	+12 59 40	15 54.2
26.00	6 14 29	2 12 26	4 2 3	+13 19 14	15 54.0
27.00	6 18 26	2 16 12	4 2 13	+13 38 35	15 53.8
28.00	6 22 22	2 19 59	4 2 23	+13 57 43	15 53.5
29.00	6 26 19	2 23 47	4 2 32	+14 16 36	15 53.3
30.00	6 30 16	2 27 35	4 2 40	+14 35 15	15 53.0

MATAHARI

2018 Mei

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	6	34	12	2	31	24	4	2	48	+14	53	40	15	52.8
2.00	6	38	9	2	35	13	4	2	55	+15	11	50	15	52.5
3.00	6	42	5	2	39	2	4	3	2	+15	29	45	15	52.3
4.00	6	46	2	2	42	53	4	3	9	+15	47	25	15	52.1
5.00	6	49	58	2	46	44	4	3	14	+16	4	49	15	51.8
6.00	6	53	55	2	50	35	4	3	19	+16	21	57	15	51.6
7.00	6	57	51	2	54	27	4	3	24	+16	38	49	15	51.3
8.00	7	1	48	2	58	19	4	3	28	+16	55	24	15	51.1
9.00	7	5	45	3	2	13	4	3	31	+17	11	42	15	50.9
10.00	7	9	41	3	6	6	4	3	34	+17	27	43	15	50.7
11.00	7	13	38	3	10	1	4	3	37	+17	43	27	15	50.4
12.00	7	17	34	3	13	56	4	3	38	+17	58	53	15	50.2
13.00	7	21	31	3	17	51	4	3	39	+18	14	1	15	50.0
14.00	7	25	27	3	21	47	4	3	40	+18	28	51	15	49.8
15.00	7	29	24	3	25	44	4	3	40	+18	43	21	15	49.6
16.00	7	33	20	3	29	41	4	3	39	+18	57	33	15	49.4
17.00	7	37	17	3	33	39	4	3	38	+19	11	26	15	49.2
18.00	7	41	14	3	37	37	4	3	36	+19	24	59	15	49.0
19.00	7	45	10	3	41	36	4	3	34	+19	38	13	15	48.8
20.00	7	49	7	3	45	35	4	3	31	+19	51	6	15	48.6
21.00	7	53	3	3	49	35	4	3	27	+20	3	39	15	48.4
22.00	7	57	0	3	53	36	4	3	23	+20	15	51	15	48.2
23.00	8	0	56	3	57	37	4	3	19	+20	27	42	15	48.1
24.00	8	4	53	4	1	38	4	3	14	+20	39	13	15	47.9
25.00	8	8	49	4	5	40	4	3	9	+20	50	22	15	47.7
26.00	8	12	46	4	9	43	4	3	3	+21	1	9	15	47.6
27.00	8	16	43	4	13	46	4	2	56	+21	11	34	15	47.4
28.00	8	20	39	4	17	49	4	2	49	+21	21	38	15	47.2
29.00	8	24	36	4	21	53	4	2	42	+21	31	19	15	47.1
30.00	8	28	32	4	25	57	4	2	34	+21	40	38	15	46.9
31.00	8	32	29	4	30	2	4	2	26	+21	49	34	15	46.8

MATAHARI

2018 Jun

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	8	36	25	4	34	7	4	2	18	+21	58	8	15	46.6
2.00	8	40	22	4	38	13	4	2	9	+22	6	18	15	46.5
3.00	8	44	18	4	42	19	4	1	59	+22	14	6	15	46.3
4.00	8	48	15	4	46	25	4	1	49	+22	21	30	15	46.2
5.00	8	52	12	4	50	32	4	1	39	+22	28	31	15	46.1
6.00	8	56	8	4	54	39	4	1	29	+22	35	8	15	45.9
7.00	9	0	5	4	58	46	4	1	18	+22	41	21	15	45.8
8.00	9	4	1	5	2	54	4	1	7	+22	47	11	15	45.7
9.00	9	7	58	5	7	2	4	0	55	+22	52	37	15	45.5
10.00	9	11	54	5	11	10	4	0	43	+22	57	38	15	45.4
11.00	9	15	51	5	15	19	4	0	31	+23	2	16	15	45.3
12.00	9	19	47	5	19	28	4	0	19	+23	6	29	15	45.2
13.00	9	23	44	5	23	37	4	0	7	+23	10	17	15	45.1
14.00	9	27	41	5	27	46	3	59	54	+23	13	41	15	45.0
15.00	9	31	37	5	31	55	3	59	41	+23	16	41	15	44.9
16.00	9	35	34	5	36	5	3	59	28	+23	19	16	15	44.8
17.00	9	39	30	5	40	14	3	59	15	+23	21	26	15	44.7
18.00	9	43	27	5	44	24	3	59	2	+23	23	12	15	44.7
19.00	9	47	23	5	48	34	3	58	49	+23	24	33	15	44.6
20.00	9	51	20	5	52	43	3	58	36	+23	25	28	15	44.5
21.00	9	55	16	5	56	53	3	58	23	+23	26	0	15	44.5
22.00	9	59	13	6	1	2	3	58	10	+23	26	6	15	44.4
23.00	10	3	10	6	5	12	3	57	57	+23	25	47	15	44.4
24.00	10	7	6	6	9	21	3	57	44	+23	25	4	15	44.3
25.00	10	11	3	6	13	31	3	57	31	+23	23	56	15	44.3
26.00	10	14	59	6	17	40	3	57	19	+23	22	23	15	44.2
27.00	10	18	56	6	21	49	3	57	6	+23	20	25	15	44.2
28.00	10	22	52	6	25	58	3	56	54	+23	18	3	15	44.2
29.00	10	26	49	6	30	7	3	56	41	+23	15	16	15	44.1
30.00	10	30	45	6	34	15	3	56	29	+23	12	5	15	44.1

MATAHARI

2018 Julai

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

MATAHARI

2018 Ogos

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	12	36	55	8	43	18	3	53	37	+18	9	34	15	45.5
2.00	12	40	52	8	47	11	3	53	40	+17	54	30	15	45.6
3.00	12	44	48	8	51	3	3	53	45	+17	39	8	15	45.8
4.00	12	48	45	8	54	55	3	53	49	+17	23	30	15	45.9
5.00	12	52	41	8	58	46	3	53	55	+17	7	34	15	46.0
6.00	12	56	38	9	2	37	3	54	1	+16	51	21	15	46.1
7.00	13	0	34	9	6	27	3	54	7	+16	34	53	15	46.3
8.00	13	4	31	9	10	16	3	54	15	+16	18	8	15	46.4
9.00	13	8	28	9	14	5	3	54	22	+16	1	7	15	46.5
10.00	13	12	24	9	17	53	3	54	30	+15	43	51	15	46.7
11.00	13	16	21	9	21	41	3	54	39	+15	26	20	15	46.8
12.00	13	20	17	9	25	28	3	54	49	+15	8	33	15	47.0
13.00	13	24	14	9	29	15	3	54	59	+14	50	33	15	47.1
14.00	13	28	10	9	33	1	3	55	9	+14	32	18	15	47.3
15.00	13	32	7	9	36	46	3	55	20	+14	13	49	15	47.5
16.00	13	36	3	9	40	31	3	55	32	+13	55	7	15	47.6
17.00	13	40	0	9	44	15	3	55	44	+13	36	11	15	47.8
18.00	13	43	57	9	47	59	3	55	57	+13	17	3	15	48.0
19.00	13	47	53	9	51	42	3	56	10	+12	57	42	15	48.2
20.00	13	51	50	9	55	25	3	56	24	+12	38	9	15	48.4
21.00	13	55	46	9	59	7	3	56	38	+12	18	24	15	48.6
22.00	13	59	43	10	2	49	3	56	53	+11	58	27	15	48.8
23.00	14	3	39	10	6	31	3	57	8	+11	38	19	15	49.0
24.00	14	7	36	10	10	11	3	57	24	+11	18	0	15	49.2
25.00	14	11	32	10	13	52	3	57	40	+10	57	31	15	49.4
26.00	14	15	29	10	17	32	3	57	57	+10	36	51	15	49.6
27.00	14	19	26	10	21	11	3	58	14	+10	16	1	15	49.8
28.00	14	23	22	10	24	51	3	58	31	+9	55	1	15	50.0
29.00	14	27	19	10	28	29	3	58	49	+9	33	52	15	50.2
30.00	14	31	15	10	32	8	3	59	7	+9	12	33	15	50.4
31.00	14	35	12	10	35	46	3	59	25	+8	51	6	15	50.6

MATAHARI

2018

September

WPM h	GST			R.A.			GHA			DEK			SD		
	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	14	39	8	10	39	24	3	59	44	+	8	29	30	15	50.8
2.00	14	43	5	10	43	1	4	0	3	+	8	7	47	15	51.0
3.00	14	47	2	10	46	39	4	0	22	+	7	45	55	15	51.3
4.00	14	50	58	10	50	16	4	0	42	+	7	23	55	15	51.5
5.00	14	54	55	10	53	53	4	1	2	+	7	1	49	15	51.7
6.00	14	58	51	10	57	29	4	1	22	+	6	39	35	15	51.9
7.00	15	2	48	11	1	6	4	1	42	+	6	17	15	15	52.2
8.00	15	6	44	11	4	42	4	2	2	+	5	54	48	15	52.4
9.00	15	10	41	11	8	18	4	2	23	+	5	32	15	15	52.6
10.00	15	14	37	11	11	54	4	2	43	+	5	9	37	15	52.9
11.00	15	18	34	11	15	29	4	3	4	+	4	46	54	15	53.1
12.00	15	22	31	11	19	5	4	3	25	+	4	24	5	15	53.4
13.00	15	26	27	11	22	40	4	3	46	+	4	1	12	15	53.6
14.00	15	30	24	11	26	16	4	4	8	+	3	38	15	15	53.9
15.00	15	34	20	11	29	51	4	4	29	+	3	15	14	15	54.1
16.00	15	38	17	11	33	26	4	4	50	+	2	52	9	15	54.4
17.00	15	42	13	11	37	1	4	5	12	+	2	29	1	15	54.7
18.00	15	46	10	11	40	36	4	5	33	+	2	5	51	15	54.9
19.00	15	50	6	11	44	11	4	5	55	+	1	42	38	15	55.2
20.00	15	54	3	11	47	47	4	6	16	+	1	19	22	15	55.5
21.00	15	58	0	11	51	22	4	6	37	+	0	56	5	15	55.7
22.00	16	1	56	11	54	57	4	6	59	+	0	32	47	15	56.0
23.00	16	5	53	11	58	32	4	7	20	+	0	9	27	15	56.3
24.00	16	9	49	12	2	8	4	7	41	-	0	13	53	15	56.5
25.00	16	13	46	12	5	43	4	8	2	-	0	37	14	15	56.8
26.00	16	17	42	12	9	19	4	8	23	-	1	0	36	15	57.1
27.00	16	21	39	12	12	55	4	8	44	-	1	23	57	15	57.3
28.00	16	25	35	12	16	31	4	9	4	-	1	47	18	15	57.6
29.00	16	29	32	12	20	7	4	9	24	-	2	10	38	15	57.9
30.00	16	33	29	12	23	44	4	9	44	-	2	33	57	15	58.1

MATAHARI

2018 Oktober

WPM h	GST			R.A.			GHA			DEK			SD		
	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	16	37	25	12	27	20	4	10	4	-	2	57	15	15	58.4
2.00	16	41	22	12	30	58	4	10	24	-	3	20	31	15	58.7
3.00	16	45	18	12	34	35	4	10	43	-	3	43	44	15	59.0
4.00	16	49	15	12	38	13	4	11	2	-	4	6	56	15	59.2
5.00	16	53	11	12	41	51	4	11	20	-	4	30	4	15	59.5
6.00	16	57	8	12	45	29	4	11	38	-	4	53	10	15	59.8
7.00	17	1	4	12	49	8	4	11	56	-	5	16	11	16	.0
8.00	17	5	1	12	52	47	4	12	13	-	5	39	9	16	.3
9.00	17	8	58	12	56	27	4	12	30	-	6	2	3	16	.6
10.00	17	12	54	13	0	7	4	12	46	-	6	24	52	16	.9
11.00	17	16	51	13	3	48	4	13	2	-	6	47	36	16	1.1
12.00	17	20	47	13	7	29	4	13	18	-	7	10	14	16	1.4
13.00	17	24	44	13	11	10	4	13	33	-	7	32	47	16	1.7
14.00	17	28	40	13	14	53	4	13	47	-	7	55	13	16	2.0
15.00	17	32	37	13	18	35	4	14	1	-	8	17	33	16	2.3
16.00	17	36	34	13	22	18	4	14	15	-	8	39	45	16	2.5
17.00	17	40	30	13	26	2	4	14	28	-	9	1	50	16	2.8
18.00	17	44	27	13	29	46	4	14	40	-	9	23	48	16	3.1
19.00	17	48	23	13	33	31	4	14	52	-	9	45	37	16	3.4
20.00	17	52	20	13	37	16	4	15	3	-	10	7	17	16	3.6
21.00	17	56	16	13	41	2	4	15	14	-	10	28	49	16	3.9
22.00	18	0	13	13	44	49	4	15	24	-	10	50	11	16	4.2
23.00	18	4	9	13	48	36	4	15	33	-	11	11	23	16	4.5
24.00	18	8	6	13	52	24	4	15	41	-	11	32	26	16	4.7
25.00	18	12	3	13	56	13	4	15	49	-	11	53	18	16	5.0
26.00	18	15	59	14	0	2	4	15	56	-	12	13	58	16	5.3
27.00	18	19	56	14	3	52	4	16	3	-	12	34	28	16	5.5
28.00	18	23	52	14	7	43	4	16	9	-	12	54	46	16	5.8
29.00	18	27	49	14	11	35	4	16	14	-	13	14	52	16	6.0
30.00	18	31	45	14	15	27	4	16	18	-	13	34	46	16	6.3
31.00	18	35	42	14	19	20	4	16	21	-	13	54	26	16	6.5

MATAHARI

2018

November

WPM	GST			R.A.			GHA			DEK			SD	
	h	j	m	s	j	m	s	j	m	s	o	'	"	'
1.00	18	39	38	14	23	14	4	16	24	-14	13	54	16	6.8
2.00	18	43	35	14	27	9	4	16	26	-14	33	8	16	7.0
3.00	18	47	32	14	31	4	4	16	27	-14	52	8	16	7.3
4.00	18	51	28	14	35	1	4	16	27	-15	10	54	16	7.5
5.00	18	55	25	14	38	58	4	16	26	-15	29	25	16	7.8
6.00	18	59	21	14	42	56	4	16	24	-15	47	41	16	8.0
7.00	19	3	18	14	46	55	4	16	22	-16	5	41	16	8.3
8.00	19	7	14	14	50	55	4	16	19	-16	23	25	16	8.5
9.00	19	11	11	14	54	56	4	16	15	-16	40	53	16	8.7
10.00	19	15	7	14	58	57	4	16	10	-16	58	3	16	9.0
11.00	19	19	4	15	2	59	4	16	4	-17	14	57	16	9.2
12.00	19	23	1	15	7	3	4	15	57	-17	31	32	16	9.4
13.00	19	26	57	15	11	7	4	15	50	-17	47	50	16	9.7
14.00	19	30	54	15	15	11	4	15	42	-18	3	49	16	9.9
15.00	19	34	50	15	19	17	4	15	33	-18	19	29	16	10.1
16.00	19	38	47	15	23	23	4	15	23	-18	34	49	16	10.3
17.00	19	42	43	15	27	31	4	15	12	-18	49	50	16	10.6
18.00	19	46	40	15	31	39	4	15	0	-19	4	31	16	10.8
19.00	19	50	36	15	35	48	4	14	48	-19	18	51	16	11.0
20.00	19	54	33	15	39	58	4	14	35	-19	32	50	16	11.2
21.00	19	58	30	15	44	8	4	14	21	-19	46	28	16	11.4
22.00	20	2	26	15	48	19	4	14	6	-19	59	44	16	11.6
23.00	20	6	23	15	52	32	4	13	51	-20	12	39	16	11.8
24.00	20	10	19	15	56	45	4	13	34	-20	25	11	16	12.0
25.00	20	14	16	16	0	58	4	13	17	-20	37	20	16	12.2
26.00	20	18	12	16	5	13	4	12	59	-20	49	7	16	12.4
27.00	20	22	9	16	9	28	4	12	40	-21	0	30	16	12.5
28.00	20	26	5	16	13	44	4	12	21	-21	11	30	16	12.7
29.00	20	30	2	16	18	1	4	12	1	-21	22	6	16	12.9
30.00	20	33	59	16	22	18	4	11	40	-21	32	18	16	13.0

2018 MATAHARI
 Desember

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	20	37	55	16	26	36	4	11	18	-21	42	5	16	13.2
2.00	20	41	52	16	30	55	4	10	56	-21	51	27	16	13.4
3.00	20	45	48	16	35	15	4	10	33	-22	0	25	16	13.5
4.00	20	49	45	16	39	35	4	10	10	-22	8	57	16	13.7
5.00	20	53	41	16	43	55	4	9	45	-22	17	3	16	13.8
6.00	20	57	38	16	48	17	4	9	21	-22	24	44	16	13.9
7.00	21	1	34	16	52	39	4	8	55	-22	31	58	16	14.1
8.00	21	5	31	16	57	1	4	8	30	-22	38	46	16	14.2
9.00	21	9	27	17	1	24	4	8	3	-22	45	7	16	14.3
10.00	21	13	24	17	5	47	4	7	36	-22	51	2	16	14.5
11.00	21	17	21	17	10	11	4	7	9	-22	56	29	16	14.6
12.00	21	21	17	17	14	35	4	6	42	-23	1	30	16	14.7
13.00	21	25	14	17	18	59	4	6	14	-23	6	3	16	14.8
14.00	21	29	10	17	23	24	4	5	45	-23	10	8	16	14.9
15.00	21	33	7	17	27	49	4	5	17	-23	13	46	16	15.1
16.00	21	37	3	17	32	15	4	4	48	-23	16	56	16	15.2
17.00	21	41	0	17	36	40	4	4	19	-23	19	38	16	15.3
18.00	21	44	56	17	41	6	4	3	50	-23	21	52	16	15.3
19.00	21	48	53	17	45	32	4	3	20	-23	23	38	16	15.4
20.00	21	52	50	17	49	58	4	2	51	-23	24	55	16	15.5
21.00	21	56	46	17	54	25	4	2	21	-23	25	45	16	15.6
22.00	22	0	43	17	58	51	4	1	51	-23	26	6	16	15.7
23.00	22	4	39	18	3	17	4	1	22	-23	25	59	16	15.7
24.00	22	8	36	18	7	43	4	0	52	-23	25	24	16	15.8
25.00	22	12	32	18	12	10	4	0	22	-23	24	21	16	15.8
26.00	22	16	29	18	16	36	3	59	53	-23	22	49	16	15.9
27.00	22	20	25	18	21	2	3	59	23	-23	20	49	16	15.9
28.00	22	24	22	18	25	28	3	58	53	-23	18	21	16	16.0
29.00	22	28	19	18	29	54	3	58	24	-23	15	26	16	16.0
30.00	22	32	15	18	34	20	3	57	55	-23	12	2	16	16.0
31.00	22	36	12	18	38	45	3	57	26	-23	8	10	16	16.0

2018 MATAHARI
 Januari

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	22	40	8	18	43	11	3	56	57	-23	3	50	16	16.0