

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

MATAHARI

2017 Januari

WPM	GST			R.A.			GHA			DEK			SD	
	h	j	m s	j	m	s	j	m	s	o	'	"	'	"
1.00	22	42	2	18	45	19	3	56	43	-23	1	33	16	16.0
2.00	22	45	59	18	49	44	3	56	14	-22	56	32	16	16.0
3.00	22	49	55	18	54	8	3	55	46	-22	51	4	16	16.0
4.00	22	53	52	18	58	33	3	55	19	-22	45	9	16	16.0
5.00	22	57	48	19	2	56	3	54	52	-22	38	47	16	16.1
6.00	23	1	45	19	7	20	3	54	25	-22	31	58	16	16.0
7.00	23	5	42	19	11	43	3	53	59	-22	24	42	16	16.0
8.00	23	9	38	19	16	5	3	53	33	-22	16	59	16	16.0
9.00	23	13	35	19	20	27	3	53	8	-22	8	51	16	16.0
10.00	23	17	31	19	24	48	3	52	43	-22	0	16	16	16.0
11.00	23	21	28	19	29	9	3	52	19	-21	51	16	16	16.0
12.00	23	25	24	19	33	29	3	51	55	-21	41	50	16	15.9
13.00	23	29	21	19	37	48	3	51	32	-21	31	59	16	15.9
14.00	23	33	17	19	42	7	3	51	10	-21	21	43	16	15.8
15.00	23	37	14	19	46	25	3	50	48	-21	11	2	16	15.8
16.00	23	41	11	19	50	43	3	50	27	-20	59	57	16	15.7
17.00	23	45	7	19	55	0	3	50	7	-20	48	28	16	15.6
18.00	23	49	4	19	59	16	3	49	47	-20	36	35	16	15.6
19.00	23	53	0	20	3	31	3	49	28	-20	24	18	16	15.5
20.00	23	56	57	20	7	46	3	49	10	-20	11	39	16	15.4
21.00	0	0	53	20	12	0	3	48	53	-19	58	36	16	15.3
22.00	0	4	50	20	16	14	3	48	36	-19	45	11	16	15.2
23.00	0	8	46	20	20	26	3	48	20	-19	31	24	16	15.1
24.00	0	12	43	20	24	38	3	48	4	-19	17	15	16	15.0
25.00	0	16	40	20	28	49	3	47	50	-19	2	45	16	14.9
26.00	0	20	36	20	33	0	3	47	36	-18	47	54	16	14.8
27.00	0	24	33	20	37	9	3	47	23	-18	32	43	16	14.7
28.00	0	28	29	20	41	18	3	47	11	-18	17	11	16	14.6
29.00	0	32	26	20	45	26	3	47	0	-18	1	20	16	14.4
30.00	0	36	22	20	49	33	3	46	49	-17	45	9	16	14.3
31.00	0	40	19	20	53	39	3	46	39	-17	28	39	16	14.2

MATAHARI

2017

Februari

WPM h	GST			R.A.			GHA			DEK			SD		
	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	0	44	15	20	57	44	3	46	31	-17	11	50	16	14.1	
2.00	0	48	12	21	1	49	3	46	23	-16	54	43	16	13.9	
3.00	0	52	9	21	5	53	3	46	15	-16	37	19	16	13.8	
4.00	0	56	5	21	9	56	3	46	9	-16	19	37	16	13.6	
5.00	1	0	2	21	13	58	3	46	3	-16	1	38	16	13.5	
6.00	1	3	58	21	17	59	3	45	59	-15	43	23	16	13.3	
7.00	1	7	55	21	21	59	3	45	55	-15	24	52	16	13.2	
8.00	1	11	51	21	25	59	3	45	52	-15	6	5	16	13.0	
9.00	1	15	48	21	29	58	3	45	49	-14	47	3	16	12.9	
10.00	1	19	44	21	33	56	3	45	48	-14	27	46	16	12.7	
11.00	1	23	41	21	37	53	3	45	47	-14	8	14	16	12.5	
12.00	1	27	38	21	41	50	3	45	47	-13	48	29	16	12.3	
13.00	1	31	34	21	45	45	3	45	48	-13	28	29	16	12.2	
14.00	1	35	31	21	49	40	3	45	50	-13	8	17	16	12.0	
15.00	1	39	27	21	53	35	3	45	52	-12	47	51	16	11.8	
16.00	1	43	24	21	57	28	3	45	55	-12	27	13	16	11.6	
17.00	1	47	20	22	1	21	3	45	59	-12	6	23	16	11.4	
18.00	1	51	17	22	5	13	3	46	3	-11	45	22	16	11.2	
19.00	1	55	13	22	9	5	3	46	8	-11	24	9	16	11.0	
20.00	1	59	10	22	12	55	3	46	14	-11	2	45	16	10.7	
21.00	2	3	7	22	16	46	3	46	21	-10	41	11	16	10.5	
22.00	2	7	3	22	20	35	3	46	28	-10	19	27	16	10.3	
23.00	2	11	0	22	24	24	3	46	35	-	9	57	34	16	10.1
24.00	2	14	56	22	28	12	3	46	43	-	9	35	31	16	9.9
25.00	2	18	53	22	32	0	3	46	52	-	9	13	20	16	9.6
26.00	2	22	49	22	35	47	3	47	2	-	8	51	0	16	9.4
27.00	2	26	46	22	39	34	3	47	12	-	8	28	32	16	9.2
28.00	2	30	42	22	43	20	3	47	22	-	8	5	57	16	8.9

MATAHARI

2017

Mac

WPM	GST			R.A.			GHA			DEK			SD		
	h	j	m s	j	m s	j	m s	o	\	"	\	"			
1.00	2	34	39	22	47	5	3	47	33	-	7	43	14	16	8.7
2.00	2	38	36	22	50	50	3	47	45	-	7	20	25	16	8.5
3.00	2	42	32	22	54	35	3	47	57	-	6	57	30	16	8.2
4.00	2	46	29	22	58	19	3	48	9	-	6	34	29	16	8.0
5.00	2	50	25	23	2	2	3	48	23	-	6	11	22	16	7.8
6.00	2	54	22	23	5	45	3	48	36	-	5	48	11	16	7.5
7.00	2	58	18	23	9	28	3	48	50	-	5	24	54	16	7.3
8.00	3	2	15	23	13	10	3	49	4	-	5	1	34	16	7.0
9.00	3	6	12	23	16	52	3	49	19	-	4	38	9	16	6.8
10.00	3	10	8	23	20	33	3	49	34	-	4	14	42	16	6.5
11.00	3	14	5	23	24	14	3	49	50	-	3	51	11	16	6.3
12.00	3	18	1	23	27	55	3	50	6	-	3	27	37	16	6.0
13.00	3	21	58	23	31	35	3	50	22	-	3	4	1	16	5.8
14.00	3	25	54	23	35	16	3	50	38	-	2	40	22	16	5.5
15.00	3	29	51	23	38	55	3	50	55	-	2	16	42	16	5.2
16.00	3	33	47	23	42	35	3	51	12	-	1	53	1	16	5.0
17.00	3	37	44	23	46	15	3	51	29	-	1	29	19	16	4.7
18.00	3	41	41	23	49	54	3	51	46	-	1	5	36	16	4.4
19.00	3	45	37	23	53	33	3	52	4	-	0	41	52	16	4.2
20.00	3	49	34	23	57	12	3	52	21	-	0	18	9	16	3.9
21.00	3	53	30	0	0	51	3	52	39	+	0	5	32	16	3.6
22.00	3	57	27	0	4	29	3	52	57	+	0	29	14	16	3.3
23.00	4	1	23	0	8	8	3	53	15	+	0	52	55	16	3.1
24.00	4	5	20	0	11	47	3	53	33	+	1	16	34	16	2.8
25.00	4	9	16	0	15	25	3	53	51	+	1	40	11	16	2.5
26.00	4	13	13	0	19	4	3	54	9	+	2	3	46	16	2.2
27.00	4	17	10	0	22	42	3	54	27	+	2	27	19	16	1.9
28.00	4	21	6	0	26	21	3	54	45	+	2	50	48	16	1.7
29.00	4	25	3	0	29	59	3	55	3	+	3	14	14	16	1.4
30.00	4	28	59	0	33	38	3	55	21	+	3	37	37	16	1.1
31.00	4	32	56	0	37	16	3	55	39	+	4	0	55	16	.8

MATAHARI

2017 April

WPM h	GST			R.A.			GHA			DEK			SD		
	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	4	36	52	0	40	55	3	55	57	+	4	24	9	16	.6
2.00	4	40	49	0	44	34	3	56	15	+	4	47	18	16	.3
3.00	4	44	46	0	48	13	3	56	32	+	5	10	21	16	.0
4.00	4	48	42	0	51	52	3	56	50	+	5	33	19	15	59.8
5.00	4	52	39	0	55	31	3	57	7	+	5	56	12	15	59.5
6.00	4	56	35	0	59	10	3	57	24	+	6	18	57	15	59.2
7.00	5	0	32	1	2	50	3	57	41	+	6	41	37	15	59.0
8.00	5	4	28	1	6	29	3	57	58	+	7	4	9	15	58.7
9.00	5	8	25	1	10	9	3	58	15	+	7	26	34	15	58.4
10.00	5	12	21	1	13	49	3	58	31	+	7	48	52	15	58.2
11.00	5	16	18	1	17	30	3	58	48	+	8	11	1	15	57.9
12.00	5	20	15	1	21	11	3	59	3	+	8	33	2	15	57.6
13.00	5	24	11	1	24	52	3	59	19	+	8	54	55	15	57.3
14.00	5	28	8	1	28	33	3	59	34	+	9	16	39	15	57.1
15.00	5	32	4	1	32	15	3	59	49	+	9	38	13	15	56.8
16.00	5	36	1	1	35	57	4	0	4	+	9	59	38	15	56.5
17.00	5	39	57	1	39	39	4	0	18	+10	20	53		15	56.3
18.00	5	43	54	1	43	22	4	0	32	+10	41	58		15	56.0
19.00	5	47	50	1	47	5	4	0	45	+11	2	52		15	55.7
20.00	5	51	47	1	50	48	4	0	58	+11	23	36		15	55.4
21.00	5	55	44	1	54	32	4	1	11	+11	44	8		15	55.2
22.00	5	59	40	1	58	17	4	1	23	+12	4	29		15	54.9
23.00	6	3	37	2	2	2	4	1	34	+12	24	38		15	54.6
24.00	6	7	33	2	5	47	4	1	45	+12	44	35		15	54.4
25.00	6	11	30	2	9	33	4	1	56	+13	4	19		15	54.1
26.00	6	15	26	2	13	20	4	2	6	+13	23	51		15	53.9
27.00	6	19	23	2	17	7	4	2	16	+13	43	9		15	53.6
28.00	6	23	19	2	20	54	4	2	25	+14	2	14		15	53.4
29.00	6	27	16	2	24	42	4	2	34	+14	21	5		15	53.1
30.00	6	31	13	2	28	30	4	2	42	+14	39	41		15	52.9

MATAHARI

2017

Mei

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	6	35	9	2	32	19	4	2	50	+14	58	3	15	52.7
2.00	6	39	6	2	36	8	4	2	57	+15	16	10	15	52.4
3.00	6	43	2	2	39	58	4	3	3	+15	34	2	15	52.2
4.00	6	46	59	2	43	49	4	3	9	+15	51	39	15	52.0
5.00	6	50	55	2	47	40	4	3	15	+16	8	59	15	51.7
6.00	6	54	52	2	51	31	4	3	20	+16	26	3	15	51.5
7.00	6	58	48	2	55	23	4	3	24	+16	42	51	15	51.3
8.00	7	2	45	2	59	16	4	3	28	+16	59	22	15	51.1
9.00	7	6	42	3	3	9	4	3	32	+17	15	36	15	50.8
10.00	7	10	38	3	7	3	4	3	35	+17	31	33	15	50.6
11.00	7	14	35	3	10	57	4	3	37	+17	47	12	15	50.4
12.00	7	18	31	3	14	52	4	3	38	+18	2	33	15	50.2
13.00	7	22	28	3	18	48	4	3	40	+18	17	36	15	50.0
14.00	7	26	24	3	22	44	4	3	40	+18	32	20	15	49.8
15.00	7	30	21	3	26	40	4	3	40	+18	46	46	15	49.6
16.00	7	34	17	3	30	38	4	3	39	+19	0	53	15	49.4
17.00	7	38	14	3	34	35	4	3	38	+19	14	40	15	49.2
18.00	7	42	11	3	38	34	4	3	36	+19	28	8	15	48.9
19.00	7	46	7	3	42	33	4	3	34	+19	41	16	15	48.7
20.00	7	50	4	3	46	32	4	3	31	+19	54	4	15	48.6
21.00	7	54	0	3	50	32	4	3	28	+20	6	32	15	48.4
22.00	7	57	57	3	54	33	4	3	23	+20	18	39	15	48.2
23.00	8	1	53	3	58	34	4	3	19	+20	30	25	15	48.0
24.00	8	5	50	4	2	36	4	3	14	+20	41	51	15	47.8
25.00	8	9	46	4	6	38	4	3	8	+20	52	54	15	47.6
26.00	8	13	43	4	10	41	4	3	2	+21	3	37	15	47.5
27.00	8	17	40	4	14	44	4	2	55	+21	13	58	15	47.3
28.00	8	21	36	4	18	48	4	2	48	+21	23	56	15	47.1
29.00	8	25	33	4	22	52	4	2	41	+21	33	33	15	47.0
30.00	8	29	29	4	26	56	4	2	33	+21	42	46	15	46.8
31.00	8	33	26	4	31	1	4	2	24	+21	51	38	15	46.7

MATAHARI

2017

Jun

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	8	37	22	4	35	7	4	2	15	+22	0	6	15	46.5
2.00	8	41	19	4	39	12	4	2	6	+22	8	12	15	46.4
3.00	8	45	15	4	43	18	4	1	57	+22	15	54	15	46.3
4.00	8	49	12	4	47	25	4	1	47	+22	23	13	15	46.1
5.00	8	53	9	4	51	32	4	1	36	+22	30	8	15	46.0
6.00	8	57	5	4	55	39	4	1	26	+22	36	39	15	45.9
7.00	9	1	2	4	59	46	4	1	15	+22	42	47	15	45.8
8.00	9	4	58	5	3	54	4	1	4	+22	48	31	15	45.7
9.00	9	8	55	5	8	2	4	0	52	+22	53	51	15	45.5
10.00	9	12	51	5	12	10	4	0	41	+22	58	46	15	45.4
11.00	9	16	48	5	16	19	4	0	29	+23	3	18	15	45.3
12.00	9	20	44	5	20	27	4	0	17	+23	7	24	15	45.2
13.00	9	24	41	5	24	36	4	0	4	+23	11	7	15	45.1
14.00	9	28	38	5	28	45	3	59	52	+23	14	25	15	45.0
15.00	9	32	34	5	32	54	3	59	39	+23	17	18	15	44.9
16.00	9	36	31	5	37	4	3	59	26	+23	19	47	15	44.8
17.00	9	40	27	5	41	13	3	59	14	+23	21	51	15	44.7
18.00	9	44	24	5	45	23	3	59	1	+23	23	31	15	44.7
19.00	9	48	20	5	49	32	3	58	47	+23	24	45	15	44.6
20.00	9	52	17	5	53	42	3	58	34	+23	25	35	15	44.5
21.00	9	56	13	5	57	52	3	58	21	+23	26	0	15	44.4
22.00	10	0	10	6	2	1	3	58	8	+23	26	1	15	44.4
23.00	10	4	7	6	6	11	3	57	55	+23	25	36	15	44.3
24.00	10	8	3	6	10	21	3	57	42	+23	24	47	15	44.3
25.00	10	12	0	6	14	30	3	57	29	+23	23	33	15	44.2
26.00	10	15	56	6	18	40	3	57	16	+23	21	54	15	44.2
27.00	10	19	53	6	22	49	3	57	3	+23	19	51	15	44.1
28.00	10	23	49	6	26	58	3	56	51	+23	17	23	15	44.1
29.00	10	27	46	6	31	7	3	56	39	+23	14	30	15	44.1
30.00	10	31	42	6	35	15	3	56	27	+23	11	14	15	44.1

MATAHARI

2017

Julai

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

MATAHARI

2017

Ogos

WPM	GST			R.A.			GHA			DEK			SD	
	h	j	m s	j	m	s	j	m	s	o	'	"	'	"
1.00	12	37	52	8	44	14	3	53	37	+18	5	56	15	45.6
2.00	12	41	49	8	48	7	3	53	41	+17	50	48	15	45.7
3.00	12	45	45	8	51	59	3	53	45	+17	35	22	15	45.8
4.00	12	49	42	8	55	51	3	53	50	+17	19	39	15	45.9
5.00	12	53	38	8	59	42	3	53	56	+17	3	39	15	46.1
6.00	12	57	35	9	3	32	3	54	2	+16	47	23	15	46.2
7.00	13	1	31	9	7	22	3	54	9	+16	30	51	15	46.3
8.00	13	5	28	9	11	11	3	54	16	+16	14	3	15	46.5
9.00	13	9	25	9	15	0	3	54	24	+15	56	59	15	46.6
10.00	13	13	21	9	18	48	3	54	33	+15	39	39	15	46.8
11.00	13	17	18	9	22	35	3	54	42	+15	22	5	15	46.9
12.00	13	21	14	9	26	22	3	54	52	+15	4	16	15	47.1
13.00	13	25	11	9	30	8	3	55	2	+14	46	12	15	47.2
14.00	13	29	7	9	33	54	3	55	13	+14	27	54	15	47.4
15.00	13	33	4	9	37	39	3	55	24	+14	9	23	15	47.6
16.00	13	37	1	9	41	24	3	55	36	+13	50	37	15	47.7
17.00	13	40	57	9	45	8	3	55	48	+13	31	39	15	47.9
18.00	13	44	54	9	48	52	3	56	1	+13	12	27	15	48.1
19.00	13	48	50	9	52	35	3	56	15	+12	53	4	15	48.2
20.00	13	52	47	9	56	18	3	56	28	+12	33	27	15	48.4
21.00	13	56	43	10	0	0	3	56	43	+12	13	39	15	48.6
22.00	14	0	40	10	3	42	3	56	57	+11	53	39	15	48.8
23.00	14	4	36	10	7	23	3	57	12	+11	33	28	15	49.0
24.00	14	8	33	10	11	4	3	57	28	+11	13	6	15	49.2
25.00	14	12	30	10	14	45	3	57	44	+10	52	33	15	49.4
26.00	14	16	26	10	18	25	3	58	1	+10	31	50	15	49.6
27.00	14	20	23	10	22	5	3	58	18	+10	10	57	15	49.8
28.00	14	24	19	10	25	44	3	58	35	+9	49	54	15	50.0
29.00	14	28	16	10	29	23	3	58	53	+9	28	42	15	50.2
30.00	14	32	12	10	33	1	3	59	11	+9	7	21	15	50.5
31.00	14	36	9	10	36	39	3	59	29	+8	45	51	15	50.7

MATAHARI

2017

September

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	14	40	5	10	40	17	3	59	48	+	8	24	13	15	50.9
2.00	14	44	2	10	43	55	4	0	7	+	8	2	27	15	51.1
3.00	14	47	59	10	47	32	4	0	26	+	7	40	34	15	51.4
4.00	14	51	55	10	51	9	4	0	46	+	7	18	33	15	51.6
5.00	14	55	52	10	54	45	4	1	6	+	6	56	25	15	51.8
6.00	14	59	48	10	58	22	4	1	26	+	6	34	10	15	52.1
7.00	15	3	45	11	1	58	4	1	46	+	6	11	48	15	52.3
8.00	15	7	41	11	5	34	4	2	7	+	5	49	21	15	52.5
9.00	15	11	38	11	9	10	4	2	28	+	5	26	48	15	52.8
10.00	15	15	34	11	12	45	4	2	49	+	5	4	9	15	53.0
11.00	15	19	31	11	16	21	4	3	10	+	4	41	25	15	53.3
12.00	15	23	28	11	19	56	4	3	31	+	4	18	36	15	53.5
13.00	15	27	24	11	23	32	4	3	52	+	3	55	42	15	53.8
14.00	15	31	21	11	27	7	4	4	13	+	3	32	45	15	54.0
15.00	15	35	17	11	30	42	4	4	35	+	3	9	43	15	54.2
16.00	15	39	14	11	34	17	4	4	56	+	2	46	38	15	54.5
17.00	15	43	10	11	37	53	4	5	17	+	2	23	29	15	54.7
18.00	15	47	7	11	41	28	4	5	39	+	2	0	18	15	55.0
19.00	15	51	3	11	45	3	4	6	0	+	1	37	3	15	55.3
20.00	15	55	0	11	48	38	4	6	21	+	1	13	47	15	55.5
21.00	15	58	57	11	52	14	4	6	43	+	0	50	29	15	55.8
22.00	16	2	53	11	55	49	4	7	4	+	0	27	9	15	56.0
23.00	16	6	50	11	59	24	4	7	25	+	0	3	48	15	56.3
24.00	16	10	46	12	3	0	4	7	46	-	0	19	33	15	56.6
25.00	16	14	43	12	6	36	4	8	7	-	0	42	55	15	56.9
26.00	16	18	39	12	10	12	4	8	27	-	1	6	17	15	57.1
27.00	16	22	36	12	13	48	4	8	48	-	1	29	39	15	57.4
28.00	16	26	33	12	17	24	4	9	8	-	1	53	1	15	57.7
29.00	16	30	29	12	21	0	4	9	28	-	2	16	21	15	58.0
30.00	16	34	26	12	24	37	4	9	48	-	2	39	40	15	58.2

MATAHARI

2017 Oktober

WPM h	GST			R.A.			GHA			DEK			SD		
	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	16	38	22	12	28	14	4	10	8	-	3	2	58	15	58.5
2.00	16	42	19	12	31	51	4	10	27	-	3	26	13	15	58.8
3.00	16	46	15	12	35	28	4	10	46	-	3	49	26	15	59.1
4.00	16	50	12	12	39	6	4	11	5	-	4	12	37	15	59.4
5.00	16	54	8	12	42	44	4	11	24	-	4	35	44	15	59.6
6.00	16	58	5	12	46	23	4	11	42	-	4	58	48	15	59.9
7.00	17	2	2	12	50	2	4	11	59	-	5	21	48	16	.2
8.00	17	5	58	12	53	41	4	12	17	-	5	44	44	16	.5
9.00	17	9	55	12	57	20	4	12	34	-	6	7	36	16	.7
10.00	17	13	51	13	1	1	4	12	50	-	6	30	23	16	1.0
11.00	17	17	48	13	4	41	4	13	6	-	6	53	4	16	1.3
12.00	17	21	44	13	8	22	4	13	22	-	7	15	41	16	1.5
13.00	17	25	41	13	12	4	4	13	37	-	7	38	11	16	1.8
14.00	17	29	37	13	15	46	4	13	51	-	8	0	35	16	2.1
15.00	17	33	34	13	19	29	4	14	5	-	8	22	53	16	2.3
16.00	17	37	31	13	23	12	4	14	18	-	8	45	4	16	2.6
17.00	17	41	27	13	26	56	4	14	31	-	9	7	7	16	2.9
18.00	17	45	24	13	30	40	4	14	43	-	9	29	3	16	3.2
19.00	17	49	20	13	34	25	4	14	55	-	9	50	51	16	3.4
20.00	17	53	17	13	38	11	4	15	5	-	10	12	30	16	3.7
21.00	17	57	13	13	41	57	4	15	16	-	10	33	59	16	4.0
22.00	18	1	10	13	45	44	4	15	25	-	10	55	20	16	4.2
23.00	18	5	6	13	49	32	4	15	34	-	11	16	31	16	4.5
24.00	18	9	3	13	53	20	4	15	42	-	11	37	31	16	4.8
25.00	18	13	0	13	57	9	4	15	50	-	11	58	21	16	5.0
26.00	18	16	56	14	0	59	4	15	57	-	12	19	0	16	5.3
27.00	18	20	53	14	4	49	4	16	3	-	12	39	28	16	5.6
28.00	18	24	49	14	8	40	4	16	8	-	12	59	44	16	5.8
29.00	18	28	46	14	12	32	4	16	13	-	13	19	47	16	6.1
30.00	18	32	42	14	16	25	4	16	17	-	13	39	38	16	6.4
31.00	18	36	39	14	20	18	4	16	20	-	13	59	16	16	6.6

MATAHARI

2017

November

WPM	GST			R.A.			GHA			DEK			SD	
	h	j	m s	j	m s	j	m s	o	\	"	\	"		
1.00	18	40	35	14	24	12	4	16	23	-14	18	40	16	6.9
2.00	18	44	32	14	28	7	4	16	24	-14	37	51	16	7.1
3.00	18	48	29	14	32	3	4	16	25	-14	56	47	16	7.4
4.00	18	52	25	14	35	59	4	16	25	-15	15	29	16	7.7
5.00	18	56	22	14	39	57	4	16	25	-15	33	55	16	7.9
6.00	19	0	18	14	43	55	4	16	23	-15	52	7	16	8.1
7.00	19	4	15	14	47	54	4	16	21	-16	10	2	16	8.4
8.00	19	8	11	14	51	54	4	16	17	-16	27	41	16	8.6
9.00	19	12	8	14	55	54	4	16	13	-16	45	4	16	8.8
10.00	19	16	4	14	59	56	4	16	8	-17	2	10	16	9.1
11.00	19	20	1	15	3	58	4	16	2	-17	18	58	16	9.3
12.00	19	23	58	15	8	1	4	15	56	-17	35	29	16	9.5
13.00	19	27	54	15	12	6	4	15	48	-17	51	42	16	9.7
14.00	19	31	51	15	16	11	4	15	40	-18	7	36	16	9.9
15.00	19	35	47	15	20	17	4	15	30	-18	23	11	16	10.2
16.00	19	39	44	15	24	23	4	15	20	-18	38	27	16	10.4
17.00	19	43	40	15	28	31	4	15	9	-18	53	23	16	10.6
18.00	19	47	37	15	32	39	4	14	57	-19	7	59	16	10.8
19.00	19	51	33	15	36	49	4	14	44	-19	22	14	16	11.0
20.00	19	55	30	15	40	59	4	14	31	-19	36	9	16	11.2
21.00	19	59	27	15	45	10	4	14	17	-19	49	42	16	11.4
22.00	20	3	23	15	49	21	4	14	1	-20	2	54	16	11.6
23.00	20	7	20	15	53	34	4	13	45	-20	15	43	16	11.8
24.00	20	11	16	15	57	47	4	13	29	-20	28	10	16	12.0
25.00	20	15	13	16	2	1	4	13	11	-20	40	15	16	12.2
26.00	20	19	9	16	6	16	4	12	53	-20	51	56	16	12.4
27.00	20	23	6	16	10	31	4	12	34	-21	3	14	16	12.6
28.00	20	27	2	16	14	48	4	12	14	-21	14	9	16	12.7
29.00	20	30	59	16	19	4	4	11	54	-21	24	39	16	12.9
30.00	20	34	56	16	23	22	4	11	33	-21	34	44	16	13.1

MATAHARI

2017 Desember

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	20	38	52	16	27	40	4	11	11	-21	44	26	16	13.3
2.00	20	42	49	16	31	59	4	10	49	-21	53	42	16	13.4
3.00	20	46	45	16	36	19	4	10	26	-22	2	32	16	13.6
4.00	20	50	42	16	40	39	4	10	3	-22	10	58	16	13.7
5.00	20	54	38	16	44	59	4	9	38	-22	18	57	16	13.9
6.00	20	58	35	16	49	21	4	9	14	-22	26	31	16	14.0
7.00	21	2	31	16	53	42	4	8	49	-22	33	38	16	14.1
8.00	21	6	28	16	58	5	4	8	23	-22	40	20	16	14.3
9.00	21	10	25	17	2	28	4	7	57	-22	46	34	16	14.4
10.00	21	14	21	17	6	51	4	7	30	-22	52	22	16	14.5
11.00	21	18	18	17	11	15	4	7	3	-22	57	42	16	14.6
12.00	21	22	14	17	15	39	4	6	35	-23	2	36	16	14.7
13.00	21	26	11	17	20	3	4	6	7	-23	7	2	16	14.8
14.00	21	30	7	17	24	28	4	5	39	-23	11	0	16	14.9
15.00	21	34	4	17	28	53	4	5	10	-23	14	31	16	15.0
16.00	21	38	0	17	33	19	4	4	41	-23	17	34	16	15.1
17.00	21	41	57	17	37	45	4	4	12	-23	20	10	16	15.2
18.00	21	45	54	17	42	11	4	3	42	-23	22	17	16	15.3
19.00	21	49	50	17	46	37	4	3	13	-23	23	56	16	15.4
20.00	21	53	47	17	51	3	4	2	43	-23	25	7	16	15.5
21.00	21	57	43	17	55	29	4	2	13	-23	25	50	16	15.5
22.00	22	1	40	17	59	56	4	1	43	-23	26	5	16	15.6
23.00	22	5	36	18	4	22	4	1	14	-23	25	51	16	15.7
24.00	22	9	33	18	8	49	4	0	44	-23	25	9	16	15.7
25.00	22	13	29	18	13	15	4	0	14	-23	23	59	16	15.8
26.00	22	17	26	18	17	41	3	59	44	-23	22	21	16	15.8
27.00	22	21	23	18	22	8	3	59	14	-23	20	15	16	15.9
28.00	22	25	19	18	26	34	3	58	45	-23	17	40	16	15.9
29.00	22	29	16	18	30	59	3	58	16	-23	14	37	16	16.0
30.00	22	33	12	18	35	25	3	57	47	-23	11	6	16	16.0
31.00	22	37	9	18	39	50	3	57	18	-23	7	8	16	16.0

MATAHARI

2017 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	16	3	56	49	-23	2	42	16	16.1