

ALMANAK FALAK JAKIM

MATAHARI

2009 Januari

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	22	41	48	18	45	4	3	56	44	-23	2	7	16	16.1
2.00	22	45	44	18	49	29	3	56	15	-22	57	8	16	16.1
3.00	22	49	41	18	53	53	3	55	47	-22	51	41	16	16.1
4.00	22	53	38	18	58	18	3	55	19	-22	45	47	16	16.1
5.00	22	57	34	19	2	41	3	54	52	-22	39	26	16	16.1
6.00	23	1	31	19	7	5	3	54	25	-22	32	39	16	16.1
7.00	23	5	27	19	11	27	3	53	59	-22	25	24	16	16.1
8.00	23	9	24	19	15	50	3	53	33	-22	17	43	16	16.1
9.00	23	13	20	19	20	12	3	53	8	-22	9	36	16	16.0
10.00	23	17	17	19	24	33	3	52	43	-22	1	3	16	16.0
11.00	23	21	13	19	28	54	3	52	19	-21	52	4	16	16.0
12.00	23	25	10	19	33	14	3	51	56	-21	42	40	16	15.9
13.00	23	29	7	19	37	33	3	51	33	-21	32	50	16	15.9
14.00	23	33	3	19	41	52	3	51	10	-21	22	36	16	15.8
15.00	23	37	0	19	46	11	3	50	49	-21	11	56	16	15.8
16.00	23	40	56	19	50	28	3	50	27	-21	0	52	16	15.7
17.00	23	44	53	19	54	45	3	50	7	-20	49	24	16	15.7
18.00	23	48	49	19	59	2	3	49	47	-20	37	33	16	15.6
19.00	23	52	46	20	3	17	3	49	28	-20	25	17	16	15.5
20.00	23	56	42	20	7	32	3	49	10	-20	12	39	16	15.4
21.00	0	0	39	20	11	46	3	48	52	-19	59	37	16	15.3
22.00	0	4	36	20	16	0	3	48	35	-19	46	13	16	15.2
23.00	0	8	32	20	20	12	3	48	19	-19	32	27	16	15.1
24.00	0	12	29	20	24	24	3	48	4	-19	18	19	16	15.0
25.00	0	16	25	20	28	35	3	47	49	-19	3	50	16	14.9
26.00	0	20	22	20	32	46	3	47	35	-18	48	59	16	14.8
27.00	0	24	18	20	36	55	3	47	22	-18	33	48	16	14.7
28.00	0	28	15	20	41	4	3	47	10	-18	18	17	16	14.6
29.00	0	32	11	20	45	12	3	46	59	-18	2	26	16	14.5
30.00	0	36	8	20	49	19	3	46	48	-17	46	16	16	14.3
31.00	0	40	5	20	53	26	3	46	39	-17	29	47	16	14.2

MATAHARI

2009 Februari

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	0	44	1	20	57	31	3	46	30	-17	12	59	16	14.1
2.00	0	47	58	21	1	36	3	46	22	-16	55	53	16	14.0
3.00	0	51	54	21	5	39	3	46	14	-16	38	29	16	13.8
4.00	0	55	51	21	9	42	3	46	8	-16	20	48	16	13.7
5.00	0	59	47	21	13	44	3	46	2	-16	2	50	16	13.5
6.00	1	3	44	21	17	46	3	45	58	-15	44	36	16	13.4
7.00	1	7	40	21	21	46	3	45	54	-15	26	5	16	13.2
8.00	1	11	37	21	25	46	3	45	51	-15	7	19	16	13.1
9.00	1	15	34	21	29	45	3	45	48	-14	48	18	16	12.9
10.00	1	19	30	21	33	43	3	45	47	-14	29	2	16	12.7
11.00	1	23	27	21	37	40	3	45	46	-14	9	31	16	12.5
12.00	1	27	23	21	41	37	3	45	46	-13	49	46	16	12.4
13.00	1	31	20	21	45	32	3	45	47	-13	29	47	16	12.2
14.00	1	35	16	21	49	27	3	45	48	-13	9	35	16	12.0
15.00	1	39	13	21	53	22	3	45	51	-12	49	10	16	11.8
16.00	1	43	9	21	57	15	3	45	54	-12	28	33	16	11.6
17.00	1	47	6	22	1	8	3	45	57	-12	7	43	16	11.4
18.00	1	51	3	22	5	0	3	46	2	-11	46	42	16	11.2
19.00	1	54	59	22	8	52	3	46	7	-11	25	29	16	11.0
20.00	1	58	56	22	12	43	3	46	12	-11	4	6	16	10.7
21.00	2	2	52	22	16	33	3	46	19	-10	42	32	16	10.5
22.00	2	6	49	22	20	23	3	46	26	-10	20	48	16	10.3
23.00	2	10	45	22	24	12	3	46	33	-9	58	54	16	10.1
24.00	2	14	42	22	28	0	3	46	41	-9	36	51	16	9.9
25.00	2	18	38	22	31	48	3	46	50	-9	14	40	16	9.6
26.00	2	22	35	22	35	35	3	47	0	-8	52	20	16	9.4
27.00	2	26	32	22	39	21	3	47	10	-8	29	52	16	9.2
28.00	2	30	28	22	43	7	3	47	20	-8	7	17	16	9.0

MATAHARI

2009

Mac

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	2	34	25	22	46	53	3	47	31	-	7	44	34	16	8.7
2.00	2	38	21	22	50	38	3	47	43	-	7	21	46	16	8.5
3.00	2	42	18	22	54	22	3	47	55	-	6	58	50	16	8.3
4.00	2	46	14	22	58	6	3	48	7	-	6	35	50	16	8.0
5.00	2	50	11	23	1	50	3	48	21	-	6	12	43	16	7.8
6.00	2	54	7	23	5	33	3	48	34	-	5	49	32	16	7.5
7.00	2	58	4	23	9	15	3	48	48	-	5	26	16	16	7.3
8.00	3	2	1	23	12	58	3	49	2	-	5	2	56	16	7.1
9.00	3	5	57	23	16	39	3	49	17	-	4	39	32	16	6.8
10.00	3	9	54	23	20	21	3	49	32	-	4	16	4	16	6.5
11.00	3	13	50	23	24	2	3	49	48	-	3	52	33	16	6.3
12.00	3	17	47	23	27	43	3	50	4	-	3	29	0	16	6.0
13.00	3	21	43	23	31	23	3	50	20	-	3	5	24	16	5.8
14.00	3	25	40	23	35	3	3	50	36	-	2	41	46	16	5.5
15.00	3	29	36	23	38	43	3	50	53	-	2	18	6	16	5.2
16.00	3	33	33	23	42	23	3	51	10	-	1	54	24	16	5.0
17.00	3	37	30	23	46	2	3	51	27	-	1	30	42	16	4.7
18.00	3	41	26	23	49	41	3	51	44	-	1	6	58	16	4.4
19.00	3	45	23	23	53	20	3	52	2	-	0	43	15	16	4.2
20.00	3	49	19	23	56	59	3	52	19	-	0	19	31	16	3.9
21.00	3	53	16	0	0	38	3	52	37	+	0	4	11	16	3.6
22.00	3	57	12	0	4	17	3	52	55	+	0	27	54	16	3.3
23.00	4	1	9	0	7	56	3	53	13	+	0	51	35	16	3.0
24.00	4	5	5	0	11	34	3	53	31	+	1	15	15	16	2.8
25.00	4	9	2	0	15	13	3	53	49	+	1	38	53	16	2.5
26.00	4	12	59	0	18	51	3	54	7	+	2	2	28	16	2.2
27.00	4	16	55	0	22	30	3	54	25	+	2	26	1	16	1.9
28.00	4	20	52	0	26	8	3	54	43	+	2	49	31	16	1.7
29.00	4	24	48	0	29	47	3	55	1	+	3	12	58	16	1.4
30.00	4	28	45	0	33	25	3	55	19	+	3	36	21	16	1.1
31.00	4	32	41	0	37	4	3	55	37	+	3	59	39	16	.8

MATAHARI

2009 April

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	4	36	38	0	40	42	3	55	55	+	4	22	53	16	.6
2.00	4	40	34	0	44	21	3	56	13	+	4	46	2	16	.3
3.00	4	44	31	0	48	0	3	56	30	+	5	9	6	16	.0
4.00	4	48	28	0	51	39	3	56	48	+	5	32	4	15	59.8
5.00	4	52	24	0	55	18	3	57	5	+	5	54	57	15	59.5
6.00	4	56	21	0	58	57	3	57	23	+	6	17	43	15	59.2
7.00	5	0	17	1	2	37	3	57	40	+	6	40	22	15	59.0
8.00	5	4	14	1	6	16	3	57	57	+	7	2	55	15	58.7
9.00	5	8	10	1	9	56	3	58	14	+	7	25	20	15	58.4
10.00	5	12	7	1	13	36	3	58	30	+	7	47	38	15	58.1
11.00	5	16	3	1	17	17	3	58	46	+	8	9	47	15	57.9
12.00	5	20	0	1	20	57	3	59	2	+	8	31	49	15	57.6
13.00	5	23	56	1	24	38	3	59	18	+	8	53	43	15	57.3
14.00	5	27	53	1	28	20	3	59	33	+	9	15	27	15	57.0
15.00	5	31	50	1	32	1	3	59	48	+	9	37	2	15	56.8
16.00	5	35	46	1	35	43	4	0	2	+	9	58	28	15	56.5
17.00	5	39	43	1	39	26	4	0	17	+10	19	45		15	56.2
18.00	5	43	39	1	43	8	4	0	30	+10	40	51		15	56.0
19.00	5	47	36	1	46	51	4	0	44	+11	1	46		15	55.7
20.00	5	51	32	1	50	35	4	0	57	+11	22	31		15	55.4
21.00	5	55	29	1	54	19	4	1	9	+11	43	4		15	55.1
22.00	5	59	25	1	58	3	4	1	22	+12	3	26		15	54.9
23.00	6	3	22	2	1	48	4	1	33	+12	23	36		15	54.6
24.00	6	7	19	2	5	34	4	1	44	+12	43	34		15	54.4
25.00	6	11	15	2	9	20	4	1	55	+13	3	20		15	54.1
26.00	6	15	12	2	13	6	4	2	5	+13	22	52		15	53.9
27.00	6	19	8	2	16	53	4	2	15	+13	42	11		15	53.6
28.00	6	23	5	2	20	40	4	2	24	+14	1	17		15	53.4
29.00	6	27	1	2	24	28	4	2	33	+14	20	9		15	53.1
30.00	6	30	58	2	28	16	4	2	41	+14	38	46		15	52.9

MATAHARI

2009

Mei

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	6	34	54	2	32	5	4	2	49	+14	57	9	15	52.6
2.00	6	38	51	2	35	54	4	2	56	+15	15	17	15	52.4
3.00	6	42	48	2	39	44	4	3	3	+15	33	9	15	52.2
4.00	6	46	44	2	43	35	4	3	9	+15	50	46	15	51.9
5.00	6	50	41	2	47	25	4	3	15	+16	8	7	15	51.7
6.00	6	54	37	2	51	17	4	3	20	+16	25	12	15	51.5
7.00	6	58	34	2	55	9	4	3	24	+16	42	1	15	51.3
8.00	7	2	30	2	59	2	4	3	28	+16	58	33	15	51.0
9.00	7	6	27	3	2	55	4	3	32	+17	14	48	15	50.8
10.00	7	10	23	3	6	48	4	3	35	+17	30	46	15	50.6
11.00	7	14	20	3	10	43	4	3	37	+17	46	26	15	50.4
12.00	7	18	17	3	14	37	4	3	39	+18	1	48	15	50.2
13.00	7	22	13	3	18	33	4	3	40	+18	16	53	15	50.0
14.00	7	26	10	3	22	29	4	3	40	+18	31	39	15	49.7
15.00	7	30	6	3	26	25	4	3	40	+18	46	6	15	49.5
16.00	7	34	3	3	30	23	4	3	40	+19	0	14	15	49.3
17.00	7	37	59	3	34	20	4	3	38	+19	14	3	15	49.1
18.00	7	41	56	3	38	19	4	3	37	+19	27	33	15	48.9
19.00	7	45	52	3	42	18	4	3	34	+19	40	43	15	48.7
20.00	7	49	49	3	46	17	4	3	31	+19	53	32	15	48.5
21.00	7	53	46	3	50	17	4	3	28	+20	6	2	15	48.3
22.00	7	57	42	3	54	18	4	3	24	+20	18	10	15	48.2
23.00	8	1	39	3	58	19	4	3	19	+20	29	58	15	48.0
24.00	8	5	35	4	2	21	4	3	14	+20	41	25	15	47.8
25.00	8	9	32	4	6	23	4	3	9	+20	52	30	15	47.6
26.00	8	13	28	4	10	25	4	3	2	+21	3	14	15	47.4
27.00	8	17	25	4	14	29	4	2	56	+21	13	36	15	47.3
28.00	8	21	21	4	18	32	4	2	49	+21	23	36	15	47.1
29.00	8	25	18	4	22	36	4	2	41	+21	33	14	15	47.0
30.00	8	29	15	4	26	41	4	2	33	+21	42	29	15	46.8
31.00	8	33	11	4	30	46	4	2	25	+21	51	21	15	46.7

MATAHARI

2009

Jun

WPM	GST			R.A.			GHA			DEK			SD		
	h	j	m s	j	m s	j	m s	o	\	"	\	"	\	"	
1.00	8	37	8	4	34	51	4	2	16	+21	59	51	15	46.5	
2.00	8	41	4	4	38	57	4	2	7	+22	7	58	15	46.4	
3.00	8	45	1	4	43	3	4	1	57	+22	15	41	15	46.3	
4.00	8	48	57	4	47	9	4	1	48	+22	23	1	15	46.1	
5.00	8	52	54	4	51	16	4	1	37	+22	29	58	15	46.0	
6.00	8	56	50	4	55	23	4	1	27	+22	36	31	15	45.9	
7.00	9	0	47	4	59	30	4	1	16	+22	42	40	15	45.8	
8.00	9	4	44	5	3	38	4	1	5	+22	48	25	15	45.7	
9.00	9	8	40	5	7	46	4	0	54	+22	53	47	15	45.5	
10.00	9	12	37	5	11	54	4	0	42	+22	58	44	15	45.4	
11.00	9	16	33	5	16	3	4	0	30	+23	3	17	15	45.3	
12.00	9	20	30	5	20	11	4	0	18	+23	7	26	15	45.2	
13.00	9	24	26	5	24	20	4	0	6	+23	11	10	15	45.1	
14.00	9	28	23	5	28	29	3	59	53	+23	14	30	15	45.0	
15.00	9	32	20	5	32	39	3	59	40	+23	17	25	15	44.9	
16.00	9	36	16	5	36	48	3	59	28	+23	19	56	15	44.8	
17.00	9	40	13	5	40	57	3	59	15	+23	22	2	15	44.7	
18.00	9	44	9	5	45	7	3	59	2	+23	23	43	15	44.6	
19.00	9	48	6	5	49	17	3	58	49	+23	24	59	15	44.6	
20.00	9	52	2	5	53	26	3	58	35	+23	25	51	15	44.5	
21.00	9	55	59	5	57	36	3	58	22	+23	26	17	15	44.4	
22.00	9	59	55	6	1	46	3	58	9	+23	26	19	15	44.4	
23.00	10	3	52	6	5	56	3	57	56	+23	25	56	15	44.3	
24.00	10	7	49	6	10	5	3	57	43	+23	25	8	15	44.3	
25.00	10	11	45	6	14	15	3	57	30	+23	23	55	15	44.2	
26.00	10	15	42	6	18	24	3	57	17	+23	22	18	15	44.2	
27.00	10	19	38	6	22	33	3	57	4	+23	20	16	15	44.1	
28.00	10	23	35	6	26	42	3	56	52	+23	17	49	15	44.1	
29.00	10	27	31	6	30	51	3	56	40	+23	14	58	15	44.1	
30.00	10	31	28	6	35	0	3	56	27	+23	11	42	15	44.1	

MATAHARI

2009 Julai

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	`	"	`	"
1.00	10	35	24	6	39	8	3	56	16	+23	8	2	15	44.0
2.00	10	39	21	6	43	16	3	56	4	+23	3	58	15	44.0
3.00	10	43	18	6	47	24	3	55	53	+22	59	30	15	44.0
4.00	10	47	14	6	51	32	3	55	42	+22	54	37	15	44.0
5.00	10	51	11	6	55	39	3	55	31	+22	49	21	15	44.0
6.00	10	55	7	6	59	46	3	55	21	+22	43	41	15	44.0
7.00	10	59	4	7	3	52	3	55	11	+22	37	37	15	44.0
8.00	11	3	0	7	7	59	3	55	1	+22	31	10	15	44.0
9.00	11	6	57	7	12	4	3	54	52	+22	24	20	15	44.1
10.00	11	10	53	7	16	10	3	54	43	+22	17	6	15	44.1
11.00	11	14	50	7	20	15	3	54	35	+22	9	29	15	44.1
12.00	11	18	47	7	24	19	3	54	27	+22	1	30	15	44.1
13.00	11	22	43	7	28	23	3	54	19	+21	53	8	15	44.1
14.00	11	26	40	7	32	27	3	54	12	+21	44	23	15	44.2
15.00	11	30	36	7	36	30	3	54	6	+21	35	16	15	44.2
16.00	11	34	33	7	40	33	3	54	0	+21	25	46	15	44.3
17.00	11	38	29	7	44	35	3	53	54	+21	15	55	15	44.3
18.00	11	42	26	7	48	36	3	53	49	+21	5	42	15	44.3
19.00	11	46	22	7	52	38	3	53	44	+20	55	7	15	44.4
20.00	11	50	19	7	56	38	3	53	40	+20	44	12	15	44.5
21.00	11	54	16	8	0	38	3	53	37	+20	32	55	15	44.5
22.00	11	58	12	8	4	38	3	53	34	+20	21	17	15	44.6
23.00	12	2	9	8	8	37	3	53	31	+20	9	19	15	44.7
24.00	12	6	5	8	12	35	3	53	30	+19	57	1	15	44.7
25.00	12	10	2	8	16	33	3	53	28	+19	44	23	15	44.8
26.00	12	13	58	8	20	30	3	53	28	+19	31	25	15	44.9
27.00	12	17	55	8	24	27	3	53	28	+19	18	8	15	45.0
28.00	12	21	52	8	28	23	3	53	28	+19	4	32	15	45.1
30.00	12	29	45	8	36	13	3	53	31	+18	36	24	15	45.3
31.00	12	33	41	8	40	7	3	53	34	+18	21	52	15	45.5

MATAHARI

2009

Ogos

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	`	"	`	"
1.00	12	37	38	8	44	0	3	53	37	+18	7	2	15	45.6
2.00	12	41	34	8	47	53	3	53	41	+17	51	55	15	45.7
3.00	12	45	31	8	51	45	3	53	45	+17	36	30	15	45.8
4.00	12	49	27	8	55	37	3	53	50	+17	20	48	15	46.0
5.00	12	53	24	8	59	28	3	53	56	+17	4	50	15	46.1
6.00	12	57	21	9	3	18	3	54	2	+16	48	35	15	46.2
7.00	13	1	17	9	7	8	3	54	8	+16	32	3	15	46.4
8.00	13	5	14	9	10	57	3	54	16	+16	15	16	15	46.5
9.00	13	9	10	9	14	46	3	54	24	+15	58	13	15	46.6
10.00	13	13	7	9	18	34	3	54	32	+15	40	54	15	46.8
11.00	13	17	3	9	22	21	3	54	41	+15	23	21	15	46.9
12.00	13	21	0	9	26	8	3	54	51	+15	5	32	15	47.1
13.00	13	24	56	9	29	55	3	55	1	+14	47	29	15	47.2
14.00	13	28	53	9	33	41	3	55	12	+14	29	12	15	47.4
15.00	13	32	50	9	37	26	3	55	23	+14	10	41	15	47.6
16.00	13	36	46	9	41	11	3	55	35	+13	51	56	15	47.7
17.00	13	40	43	9	44	55	3	55	47	+13	32	57	15	47.9
18.00	13	44	39	9	48	39	3	56	0	+13	13	46	15	48.1
19.00	13	48	36	9	52	22	3	56	13	+12	54	22	15	48.2
20.00	13	52	32	9	56	5	3	56	27	+12	34	46	15	48.4
21.00	13	56	29	9	59	47	3	56	41	+12	14	58	15	48.6
22.00	14	0	25	10	3	29	3	56	56	+11	54	58	15	48.8
23.00	14	4	22	10	7	10	3	57	11	+11	34	47	15	49.0
24.00	14	8	19	10	10	51	3	57	27	+11	14	25	15	49.2
25.00	14	12	15	10	14	32	3	57	43	+10	53	53	15	49.4
26.00	14	16	12	10	18	12	3	57	59	+10	33	10	15	49.6
27.00	14	20	8	10	21	52	3	58	16	+10	12	18	15	49.8
28.00	14	24	5	10	25	31	3	58	33	+9	51	15	15	50.0
29.00	14	28	1	10	29	10	3	58	51	+9	30	4	15	50.3
30.00	14	31	58	10	32	48	3	59	9	+9	8	43	15	50.5
31.00	14	35	54	10	36	26	3	59	28	+8	47	14	15	50.7

MATAHARI

2009 September

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	14	39	51	10	40	4	3	59	46	+	8	25	37	15	50.9
2.00	14	43	48	10	43	42	4	0	5	+	8	3	51	15	51.2
3.00	14	47	44	10	47	19	4	0	25	+	7	41	58	15	51.4
4.00	14	51	41	10	50	56	4	0	44	+	7	19	58	15	51.6
5.00	14	55	37	10	54	32	4	1	4	+	6	57	50	15	51.8
6.00	14	59	34	10	58	9	4	1	25	+	6	35	36	15	52.1
7.00	15	3	30	11	1	45	4	1	45	+	6	13	15	15	52.3
8.00	15	7	27	11	5	21	4	2	5	+	5	50	47	15	52.5
9.00	15	11	23	11	8	57	4	2	26	+	5	28	14	15	52.8
10.00	15	15	20	11	12	32	4	2	47	+	5	5	35	15	53.0
11.00	15	19	16	11	16	8	4	3	8	+	4	42	51	15	53.3
12.00	15	23	13	11	19	43	4	3	29	+	4	20	2	15	53.5
13.00	15	27	10	11	23	19	4	3	50	+	3	57	8	15	53.7
14.00	15	31	6	11	26	54	4	4	12	+	3	34	10	15	54.0
15.00	15	35	3	11	30	29	4	4	33	+	3	11	8	15	54.2
16.00	15	38	59	11	34	5	4	4	54	+	2	48	2	15	54.5
17.00	15	42	56	11	37	40	4	5	16	+	2	24	53	15	54.7
18.00	15	46	52	11	41	15	4	5	37	+	2	1	41	15	55.0
19.00	15	50	49	11	44	50	4	5	58	+	1	38	27	15	55.2
20.00	15	54	45	11	48	25	4	6	19	+	1	15	10	15	55.5
21.00	15	58	42	11	52	1	4	6	41	+	0	51	51	15	55.8
22.00	16	2	39	11	55	36	4	7	2	+	0	28	31	15	56.0
23.00	16	6	35	11	59	12	4	7	23	+	0	5	10	15	56.3
24.00	16	10	32	12	2	47	4	7	44	-	0	18	10	15	56.6
25.00	16	14	28	12	6	23	4	8	5	-	0	41	33	15	56.9
26.00	16	18	25	12	9	59	4	8	26	-	1	4	55	15	57.1
27.00	16	22	21	12	13	35	4	8	46	-	1	28	17	15	57.4
28.00	16	26	18	12	17	11	4	9	7	-	1	51	38	15	57.7
29.00	16	30	14	12	20	47	4	9	27	-	2	14	59	15	58.0
30.00	16	34	11	12	24	24	4	9	47	-	2	38	18	15	58.2

MATAHARI

2009 Oktober

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	16	38	8	12	28	1	4	10	6	-	3	1	35	15	58.5
2.00	16	42	4	12	31	38	4	10	26	-	3	24	51	15	58.8
3.00	16	46	1	12	35	15	4	10	45	-	3	48	4	15	59.1
4.00	16	49	57	12	38	53	4	11	4	-	4	11	14	15	59.3
5.00	16	53	54	12	42	31	4	11	22	-	4	34	22	15	59.6
6.00	16	57	50	12	46	9	4	11	40	-	4	57	26	15	59.9
7.00	17	1	47	12	49	48	4	11	58	-	5	20	26	16	.2
8.00	17	5	43	12	53	27	4	12	16	-	5	43	23	16	.4
9.00	17	9	40	12	57	7	4	12	32	-	6	6	16	16	.7
10.00	17	13	37	13	0	47	4	12	49	-	6	29	3	16	1.0
11.00	17	17	33	13	4	28	4	13	5	-	6	51	46	16	1.2
12.00	17	21	30	13	8	9	4	13	20	-	7	14	23	16	1.5
13.00	17	25	26	13	11	50	4	13	35	-	7	36	55	16	1.8
14.00	17	29	23	13	15	32	4	13	50	-	7	59	20	16	2.1
15.00	17	33	19	13	19	15	4	14	4	-	8	21	39	16	2.3
16.00	17	37	16	13	22	58	4	14	17	-	8	43	50	16	2.6
17.00	17	41	12	13	26	42	4	14	30	-	9	5	55	16	2.9
18.00	17	45	9	13	30	27	4	14	42	-	9	27	51	16	3.1
19.00	17	49	6	13	34	12	4	14	53	-	9	49	39	16	3.4
20.00	17	53	2	13	37	57	4	15	4	-	10	11	19	16	3.7
21.00	17	56	59	13	41	43	4	15	15	-	10	32	50	16	3.9
22.00	18	0	55	13	45	30	4	15	24	-	10	54	11	16	4.2
23.00	18	4	52	13	49	18	4	15	33	-	11	15	22	16	4.5
24.00	18	8	48	13	53	6	4	15	42	-	11	36	24	16	4.8
25.00	18	12	45	13	56	55	4	15	49	-	11	57	14	16	5.0
26.00	18	16	41	14	0	45	4	15	56	-	12	17	54	16	5.3
27.00	18	20	38	14	4	35	4	16	3	-	12	38	22	16	5.6
28.00	18	24	35	14	8	26	4	16	8	-	12	58	38	16	5.8
29.00	18	28	31	14	12	18	4	16	13	-	13	18	42	16	6.1
30.00	18	32	28	14	16	10	4	16	17	-	13	38	34	16	6.4
31.00	18	36	24	14	20	4	4	16	20	-	13	58	12	16	6.6

MATAHARI

2009 November

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	18	40	21	14	23	58	4	16	23	-14	17	37	16	6.9
2.00	18	44	17	14	27	52	4	16	24	-14	36	48	16	7.1
3.00	18	48	14	14	31	48	4	16	25	-14	55	46	16	7.4
4.00	18	52	10	14	35	44	4	16	25	-15	14	28	16	7.6
5.00	18	56	7	14	39	42	4	16	25	-15	32	56	16	7.9
6.00	19	0	3	14	43	40	4	16	23	-15	51	9	16	8.1
7.00	19	4	0	14	47	39	4	16	21	-16	9	6	16	8.3
8.00	19	7	57	14	51	39	4	16	18	-16	26	46	16	8.6
9.00	19	11	53	14	55	39	4	16	13	-16	44	11	16	8.8
10.00	19	15	50	14	59	41	4	16	9	-17	1	18	16	9.0
11.00	19	19	46	15	3	43	4	16	3	-17	18	8	16	9.3
12.00	19	23	43	15	7	46	4	15	56	-17	34	40	16	9.5
13.00	19	27	39	15	11	50	4	15	48	-17	50	54	16	9.7
14.00	19	31	36	15	15	55	4	15	40	-18	6	50	16	9.9
15.00	19	35	32	15	20	1	4	15	31	-18	22	27	16	10.1
16.00	19	39	29	15	24	8	4	15	21	-18	37	44	16	10.3
17.00	19	43	26	15	28	16	4	15	10	-18	52	41	16	10.6
18.00	19	47	22	15	32	24	4	14	58	-19	7	19	16	10.8
19.00	19	51	19	15	36	33	4	14	45	-19	21	35	16	11.0
20.00	19	55	15	15	40	43	4	14	32	-19	35	31	16	11.2
21.00	19	59	12	15	44	54	4	14	17	-19	49	6	16	11.4
22.00	20	3	8	15	49	6	4	14	2	-20	2	19	16	11.6
23.00	20	7	5	15	53	18	4	13	46	-20	15	10	16	11.8
24.00	20	11	2	15	57	31	4	13	30	-20	27	38	16	12.0
25.00	20	14	58	16	1	45	4	13	12	-20	39	44	16	12.2
26.00	20	18	55	16	6	0	4	12	54	-20	51	26	16	12.4
27.00	20	22	51	16	10	15	4	12	35	-21	2	46	16	12.5
28.00	20	26	48	16	14	32	4	12	16	-21	13	41	16	12.7
29.00	20	30	44	16	18	48	4	11	55	-21	24	13	16	12.9
30.00	20	34	41	16	23	6	4	11	35	-21	34	20	16	13.1

MATAHARI

2009 Desember

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	`	"	`	"
1.00	20	38	37	16	27	24	4	11	13	-21	44	2	16	13.2
2.00	20	42	34	16	31	43	4	10	51	-21	53	20	16	13.4
3.00	20	46	31	16	36	2	4	10	28	-22	2	13	16	13.6
4.00	20	50	27	16	40	22	4	10	4	-22	10	40	16	13.7
5.00	20	54	24	16	44	43	4	9	40	-22	18	41	16	13.8
6.00	20	58	20	16	49	4	4	9	15	-22	26	17	16	14.0
7.00	21	2	17	16	53	26	4	8	50	-22	33	27	16	14.1
8.00	21	6	13	16	57	48	4	8	25	-22	40	10	16	14.2
9.00	21	10	10	17	2	11	4	7	58	-22	46	26	16	14.4
10.00	21	14	6	17	6	34	4	7	32	-22	52	16	16	14.5
11.00	21	18	3	17	10	58	4	7	4	-22	57	38	16	14.6
12.00	21	22	0	17	15	22	4	6	37	-23	2	34	16	14.7
13.00	21	25	56	17	19	47	4	6	9	-23	7	2	16	14.8
14.00	21	29	53	17	24	12	4	5	40	-23	11	2	16	14.9
15.00	21	33	49	17	28	37	4	5	12	-23	14	34	16	15.0
16.00	21	37	46	17	33	3	4	4	43	-23	17	39	16	15.1
17.00	21	41	42	17	37	28	4	4	14	-23	20	16	16	15.2
18.00	21	45	39	17	41	54	4	3	44	-23	22	25	16	15.3
19.00	21	49	35	17	46	20	4	3	15	-23	24	6	16	15.4
20.00	21	53	32	17	50	47	4	2	45	-23	25	18	16	15.5
21.00	21	57	29	17	55	13	4	2	15	-23	26	3	16	15.5
22.00	22	1	25	17	59	40	4	1	45	-23	26	19	16	15.6
23.00	22	5	22	18	4	6	4	1	15	-23	26	7	16	15.7
24.00	22	9	18	18	8	32	4	0	45	-23	25	26	16	15.7
25.00	22	13	15	18	12	59	4	0	16	-23	24	18	16	15.8
25.75	16	16	12	18	16	18	21	59	53	-23	23	8	16	15.8
26.00	22	17	11	18	17	25	3	59	46	-23	22	41	16	15.8
27.00	22	21	8	18	21	51	3	59	16	-23	20	36	16	15.9
28.00	22	25	4	18	26	17	3	58	47	-23	18	3	16	15.9
29.00	22	29	1	18	30	43	3	58	18	-23	15	2	16	16.0
30.00	22	32	58	18	35	9	3	57	48	-23	11	33	16	16.0
31.00	22	36	54	18	39	34	3	57	20	-23	7	37	16	16.0