

ALMANAK FALAK JAKIM

MATAHARI

2008 Januari

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

MATAHARI

2008 Februari

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	0	41	2	20	54	25	3	46	36	-17	25	47	16	14.2
2.00	0	44	58	20	58	30	3	46	27	-17	8	55	16	14.1
3.00	0	48	55	21	2	35	3	46	19	-16	51	44	16	13.9
4.00	0	52	51	21	6	38	3	46	12	-16	34	16	16	13.8
5.00	0	56	48	21	10	41	3	46	6	-16	16	30	16	13.6
6.00	1	0	44	21	14	43	3	46	1	-15	58	27	16	13.4
7.00	1	4	41	21	18	45	3	45	56	-15	40	8	16	13.3
8.00	1	8	37	21	22	45	3	45	52	-15	21	33	16	13.1
9.00	1	12	34	21	26	45	3	45	49	-15	2	42	16	13.0
10.00	1	16	31	21	30	43	3	45	47	-14	43	36	16	12.8
11.00	1	20	27	21	34	41	3	45	45	-14	24	15	16	12.6
12.00	1	24	24	21	38	39	3	45	45	-14	4	40	16	12.5
13.00	1	28	20	21	42	35	3	45	45	-13	44	51	16	12.3
14.00	1	32	17	21	46	31	3	45	46	-13	24	48	16	12.1
15.00	1	36	13	21	50	26	3	45	47	-13	4	32	16	11.9
16.00	1	40	10	21	54	20	3	45	50	-12	44	4	16	11.7
17.00	1	44	6	21	58	13	3	45	53	-12	23	23	16	11.5
18.00	1	48	3	22	2	6	3	45	57	-12	2	31	16	11.3
19.00	1	52	0	22	5	58	3	46	1	-11	41	27	16	11.1
20.00	1	55	56	22	9	49	3	46	7	-11	20	13	16	10.9
21.00	1	59	53	22	13	40	3	46	12	-10	58	48	16	10.7
22.00	2	3	49	22	17	30	3	46	19	-10	37	12	16	10.5
23.00	2	7	46	22	21	19	3	46	26	-10	15	27	16	10.3
24.00	2	11	42	22	25	8	3	46	34	-9	53	32	16	10.1
25.00	2	15	39	22	28	56	3	46	43	-9	31	28	16	9.9
26.00	2	19	35	22	32	43	3	46	52	-9	9	16	16	9.6
27.00	2	23	32	22	36	30	3	47	2	-8	46	55	16	9.4
28.00	2	27	29	22	40	16	3	47	12	-8	24	26	16	9.2
29.00	2	31	25	22	44	2	3	47	22	-8	1	49	16	8.9

MATAHARI

2008

Mac

WPM h	GST			R.A.			GHA			DEK			SD		
	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	2	35	22	22	47	47	3	47	34	-	7	39	6	16	8.7
2.00	2	39	18	22	51	32	3	47	45	-	7	16	15	16	8.4
3.00	2	43	15	22	55	17	3	47	58	-	6	53	19	16	8.2
4.00	2	47	11	22	59	0	3	48	10	-	6	30	16	16	7.9
5.00	2	51	8	23	2	44	3	48	24	-	6	7	8	16	7.7
6.00	2	55	4	23	6	27	3	48	37	-	5	43	54	16	7.4
7.00	2	59	1	23	10	10	3	48	51	-	5	20	37	16	7.2
8.00	3	2	58	23	13	52	3	49	5	-	4	57	14	16	6.9
9.00	3	6	54	23	17	34	3	49	20	-	4	33	48	16	6.7
10.00	3	10	51	23	21	15	3	49	35	-	4	10	19	16	6.4
11.00	3	14	47	23	24	56	3	49	51	-	3	46	46	16	6.2
12.00	3	18	44	23	28	37	3	50	6	-	3	23	11	16	5.9
13.00	3	22	40	23	32	17	3	50	22	-	2	59	33	16	5.7
14.00	3	26	37	23	35	58	3	50	39	-	2	35	54	16	5.4
15.00	3	30	33	23	39	37	3	50	56	-	2	12	13	16	5.1
16.00	3	34	30	23	43	17	3	51	12	-	1	48	31	16	4.9
17.00	3	38	27	23	46	56	3	51	30	-	1	24	48	16	4.6
18.00	3	42	23	23	50	36	3	51	47	-	1	1	5	16	4.4
19.00	3	46	20	23	54	15	3	52	4	-	0	37	22	16	4.1
20.00	3	50	16	23	57	54	3	52	22	-	0	13	39	16	3.8
21.00	3	54	13	0	1	32	3	52	40	+	0	10	2	16	3.6
22.00	3	58	9	0	5	11	3	52	58	+	0	33	43	16	3.3
23.00	4	2	6	0	8	49	3	53	16	+	0	57	23	16	3.0
24.00	4	6	2	0	12	28	3	53	34	+	1	21	2	16	2.7
25.00	4	9	59	0	16	6	3	53	52	+	1	44	38	16	2.5
26.00	4	13	56	0	19	44	3	54	11	+	2	8	12	16	2.2
27.00	4	17	52	0	23	23	3	54	29	+	2	31	43	16	1.9
28.00	4	21	49	0	27	1	3	54	47	+	2	55	12	16	1.6
29.00	4	25	45	0	30	39	3	55	5	+	3	18	37	16	1.3
30.00	4	29	42	0	34	18	3	55	23	+	3	41	58	16	1.1
31.00	4	33	38	0	37	56	3	55	41	+	4	5	15	16	.8

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2008

April

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"	
1.00	4	37	35	0	41	35	3	55	59	+	4	28	28	16	.5
2.00	4	41	31	0	45	14	3	56	17	+	4	51	36	16	.2
3.00	4	45	28	0	48	53	3	56	35	+	5	14	39	15	59.9
4.00	4	49	25	0	52	32	3	56	52	+	5	37	37	15	59.7
5.00	4	53	21	0	56	11	3	57	10	+	6	0	29	15	59.4
6.00	4	57	18	0	59	50	3	57	27	+	6	23	14	15	59.1
7.00	5	1	14	1	3	30	3	57	44	+	6	45	53	15	58.8
8.00	5	5	11	1	7	10	3	58	0	+	7	8	25	15	58.5
9.00	5	9	7	1	10	50	3	58	17	+	7	30	50	15	58.3
10.00	5	13	4	1	14	30	3	58	33	+	7	53	6	15	58.0
11.00	5	17	0	1	18	11	3	58	49	+	8	15	15	15	57.7
12.00	5	20	57	1	21	52	3	59	5	+	8	37	16	15	57.5
13.00	5	24	54	1	25	33	3	59	20	+	8	59	7	15	57.2
14.00	5	28	50	1	29	14	3	59	35	+	9	20	50	15	56.9
15.00	5	32	47	1	32	56	3	59	50	+	9	42	23	15	56.7
16.00	5	36	43	1	36	38	4	0	5	+10	3	46		15	56.4
17.00	5	40	40	1	40	20	4	0	19	+10	24	59		15	56.2
18.00	5	44	36	1	44	3	4	0	33	+10	46	2		15	55.9
19.00	5	48	33	1	47	46	4	0	46	+11	6	54		15	55.6
20.00	5	52	29	1	51	30	4	0	59	+11	27	35		15	55.4
21.00	5	56	26	1	55	14	4	1	12	+11	48	5		15	55.1
22.00	6	0	22	1	58	58	4	1	24	+12	8	23		15	54.9
23.00	6	4	19	2	2	43	4	1	35	+12	28	30		15	54.6
24.00	6	8	16	2	6	28	4	1	47	+12	48	24		15	54.3
25.00	6	12	12	2	10	14	4	1	57	+13	8	5		15	54.1
26.00	6	16	9	2	14	1	4	2	8	+13	27	34		15	53.8
27.00	6	20	5	2	17	47	4	2	17	+13	46	49		15	53.6
28.00	6	24	2	2	21	35	4	2	27	+14	5	51		15	53.3
29.00	6	27	58	2	25	23	4	2	35	+14	24	39		15	53.1
30.00	6	31	55	2	29	11	4	2	44	+14	43	13		15	52.8

MATAHARI

2008

Mei

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	6	35	51	2	33	0	4	2	51	+15	1	33	15	52.6
2.00	6	39	48	2	36	49	4	2	58	+15	19	37	15	52.3
3.00	6	43	45	2	40	39	4	3	5	+15	37	27	15	52.1
4.00	6	47	41	2	44	30	4	3	11	+15	55	1	15	51.8
5.00	6	51	38	2	48	21	4	3	16	+16	12	19	15	51.6
6.00	6	55	34	2	52	13	4	3	21	+16	29	21	15	51.4
7.00	6	59	31	2	56	5	4	3	25	+16	46	6	15	51.1
8.00	7	3	27	2	59	58	4	3	29	+17	2	35	15	50.9
9.00	7	7	24	3	3	52	4	3	32	+17	18	46	15	50.7
10.00	7	11	21	3	7	46	4	3	35	+17	34	40	15	50.5
11.00	7	15	17	3	11	40	4	3	37	+17	50	17	15	50.3
12.00	7	19	14	3	15	35	4	3	38	+18	5	35	15	50.1
13.00	7	23	10	3	19	31	4	3	39	+18	20	35	15	49.9
14.00	7	27	7	3	23	27	4	3	39	+18	35	16	15	49.7
15.00	7	31	3	3	27	24	4	3	39	+18	49	38	15	49.5
16.00	7	35	0	3	31	21	4	3	38	+19	3	42	15	49.3
17.00	7	38	56	3	35	19	4	3	37	+19	17	25	15	49.1
18.00	7	42	53	3	39	17	4	3	35	+19	30	50	15	48.9
19.00	7	46	49	3	43	16	4	3	33	+19	43	54	15	48.7
20.00	7	50	46	3	47	16	4	3	30	+19	56	38	15	48.5
21.00	7	54	43	3	51	16	4	3	26	+20	9	2	15	48.3
22.00	7	58	39	3	55	16	4	3	22	+20	21	5	15	48.1
23.00	8	2	36	3	59	17	4	3	18	+20	32	48	15	48.0
24.00	8	6	32	4	3	19	4	3	13	+20	44	9	15	47.8
25.00	8	10	29	4	7	21	4	3	7	+20	55	9	15	47.6
26.00	8	14	25	4	11	24	4	3	1	+21	5	47	15	47.4
27.00	8	18	22	4	15	27	4	2	55	+21	16	4	15	47.3
28.00	8	22	19	4	19	30	4	2	48	+21	25	59	15	47.1
29.00	8	26	15	4	23	35	4	2	40	+21	35	31	15	46.9
30.00	8	30	12	4	27	39	4	2	32	+21	44	41	15	46.8
31.00	8	34	8	4	31	44	4	2	24	+21	53	28	15	46.6

MATAHARI

2008

Jun

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	8	38	5	4	35	50	4	2	15	+22	1	53	15	46.5
2.00	8	42	1	4	39	55	4	2	5	+22	9	54	15	46.3
3.00	8	45	58	4	44	2	4	1	56	+22	17	32	15	46.2
4.00	8	49	54	4	48	8	4	1	46	+22	24	47	15	46.0
5.00	8	53	51	4	52	15	4	1	35	+22	31	38	15	45.9
6.00	8	57	48	4	56	23	4	1	24	+22	38	6	15	45.8
7.00	9	1	44	5	0	30	4	1	13	+22	44	9	15	45.7
8.00	9	5	41	5	4	38	4	1	2	+22	49	49	15	45.6
9.00	9	9	37	5	8	46	4	0	50	+22	55	5	15	45.4
10.00	9	13	34	5	12	55	4	0	38	+22	59	56	15	45.3
11.00	9	17	30	5	17	3	4	0	26	+23	4	23	15	45.2
12.00	9	21	27	5	21	12	4	0	14	+23	8	26	15	45.1
13.00	9	25	23	5	25	21	4	0	2	+23	12	4	15	45.0
14.00	9	29	20	5	29	30	3	59	49	+23	15	17	15	45.0
15.00	9	33	17	5	33	39	3	59	37	+23	18	6	15	44.9
16.00	9	37	13	5	37	49	3	59	24	+23	20	31	15	44.8
17.00	9	41	10	5	41	58	3	59	11	+23	22	30	15	44.7
18.00	9	45	6	5	46	8	3	58	58	+23	24	5	15	44.6
19.00	9	49	3	5	50	17	3	58	45	+23	25	16	15	44.6
20.00	9	52	59	5	54	27	3	58	32	+23	26	1	15	44.5
21.00	9	56	56	5	58	36	3	58	19	+23	26	22	15	44.4
22.00	10	0	52	6	2	46	3	58	6	+23	26	18	15	44.4
23.00	10	4	49	6	6	55	3	57	53	+23	25	49	15	44.3
24.00	10	8	46	6	11	5	3	57	40	+23	24	56	15	44.3
25.00	10	12	42	6	15	14	3	57	28	+23	23	38	15	44.2
26.00	10	16	39	6	19	23	3	57	15	+23	21	55	15	44.2
27.00	10	20	35	6	23	32	3	57	2	+23	19	47	15	44.1
28.00	10	24	32	6	27	41	3	56	50	+23	17	15	15	44.1
29.00	10	28	28	6	31	50	3	56	38	+23	14	18	15	44.0
30.00	10	32	25	6	35	59	3	56	26	+23	10	56	15	44.0

MATAHARI

2008 Julai

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	`	"	`	"
1.00	10	36	22	6	40	7	3	56	14	+23	7	10	15	44.0
2.00	10	40	18	6	44	15	3	56	2	+23	3	0	15	44.0
3.00	10	44	15	6	48	23	3	55	51	+22	58	26	15	44.0
4.00	10	48	11	6	52	31	3	55	40	+22	53	28	15	43.9
5.00	10	52	8	6	56	38	3	55	29	+22	48	5	15	43.9
6.00	10	56	4	7	0	45	3	55	19	+22	42	19	15	44.0
7.00	11	0	1	7	4	52	3	55	9	+22	36	9	15	44.0
8.00	11	3	57	7	8	58	3	54	59	+22	29	36	15	44.0
9.00	11	7	54	7	13	4	3	54	50	+22	22	40	15	44.0
10.00	11	11	51	7	17	9	3	54	41	+22	15	20	15	44.0
11.00	11	15	47	7	21	14	3	54	33	+22	7	37	15	44.1
12.00	11	19	44	7	25	18	3	54	25	+21	59	32	15	44.1
13.00	11	23	40	7	29	22	3	54	17	+21	51	4	15	44.1
14.00	11	27	37	7	33	26	3	54	10	+21	42	14	15	44.2
15.00	11	31	33	7	37	29	3	54	4	+21	33	1	15	44.2
16.00	11	35	30	7	41	31	3	53	58	+21	23	27	15	44.3
17.00	11	39	26	7	45	33	3	53	53	+21	13	31	15	44.3
18.00	11	43	23	7	49	35	3	53	48	+21	3	13	15	44.4
19.00	11	47	20	7	53	35	3	53	44	+20	52	34	15	44.4
20.00	11	51	16	7	57	36	3	53	40	+20	41	34	15	44.5
21.00	11	55	13	8	1	36	3	53	37	+20	30	13	15	44.6
22.00	11	59	9	8	5	35	3	53	34	+20	18	32	15	44.6
23.00	12	3	6	8	9	33	3	53	32	+20	6	30	15	44.7
24.00	12	7	2	8	13	31	3	53	30	+19	54	7	15	44.8
25.00	12	10	59	8	17	29	3	53	29	+19	41	25	15	44.9
26.00	12	14	55	8	21	26	3	53	29	+19	28	23	15	44.9
27.00	12	18	52	8	25	22	3	53	29	+19	15	2	15	45.0
28.00	12	22	49	8	29	18	3	53	30	+19	1	21	15	45.1
29.00	12	26	45	8	33	13	3	53	31	+18	47	22	15	45.2
30.00	12	30	42	8	37	8	3	53	33	+18	33	4	15	45.3
31.00	12	34	38	8	41	2	3	53	36	+18	18	27	15	45.4

MATAHARI

2008

Ogos

WPM	GST			R.A.			GHA			DEK			SD	
h	j	m	s	j	m	s	j	m	s	o	'	"	'	"
1.00	12	38	35	8	44	55	3	53	39	+18	3	33	15	45.5
2.00	12	42	31	8	48	48	3	53	43	+17	48	20	15	45.7
3.00	12	46	28	8	52	40	3	53	47	+17	32	51	15	45.8
4.00	12	50	24	8	56	32	3	53	52	+17	17	4	15	45.9
5.00	12	54	21	9	0	23	3	53	58	+17	1	1	15	46.0
6.00	12	58	18	9	4	13	3	54	4	+16	44	41	15	46.2
7.00	13	2	14	9	8	3	3	54	11	+16	28	5	15	46.3
8.00	13	6	11	9	11	52	3	54	18	+16	11	13	15	46.5
9.00	13	10	7	9	15	41	3	54	26	+15	54	6	15	46.6
10.00	13	14	4	9	19	29	3	54	35	+15	36	43	15	46.8
11.00	13	18	0	9	23	16	3	54	44	+15	19	6	15	46.9
12.00	13	21	57	9	27	3	3	54	54	+15	1	14	15	47.1
13.00	13	25	53	9	30	49	3	55	4	+14	43	8	15	47.3
14.00	13	29	50	9	34	35	3	55	15	+14	24	47	15	47.4
15.00	13	33	47	9	38	20	3	55	26	+14	6	14	15	47.6
16.00	13	37	43	9	42	4	3	55	38	+13	47	26	15	47.8
17.00	13	41	40	9	45	48	3	55	51	+13	28	26	15	47.9
18.00	13	45	36	9	49	32	3	56	4	+13	9	13	15	48.1
19.00	13	49	33	9	53	15	3	56	18	+12	49	47	15	48.3
20.00	13	53	29	9	56	57	3	56	32	+12	30	9	15	48.5
21.00	13	57	26	10	0	39	3	56	46	+12	10	20	15	48.7
22.00	14	1	22	10	4	21	3	57	1	+11	50	18	15	48.9
23.00	14	5	19	10	8	2	3	57	16	+11	30	5	15	49.0
24.00	14	9	16	10	11	43	3	57	32	+11	9	41	15	49.2
25.00	14	13	12	10	15	23	3	57	48	+10	49	7	15	49.4
26.00	14	17	9	10	19	3	3	58	5	+10	28	22	15	49.6
27.00	14	21	5	10	22	43	3	58	22	+10	7	26	15	49.8
28.00	14	25	2	10	26	22	3	58	39	+ 9	46	22	15	50.0
29.00	14	28	58	10	30	1	3	58	57	+ 9	25	7	15	50.3
30.00	14	32	55	10	33	39	3	59	15	+ 9	3	44	15	50.5
31.00	14	36	51	10	37	17	3	59	34	+ 8	42	12	15	50.7

MATAHARI

2008 September

WPM	GST			R.A.			GHA			DEK			SD		
h	j	m	s	j	m	s	j	m	s	o	`	"	`	"	
1.00	14	40	48	10	40	55	3	59	52	+	8	20	32	15	50.9
2.00	14	44	45	10	44	33	4	0	11	+	7	58	43	15	51.1
3.00	14	48	41	10	48	10	4	0	31	+	7	36	47	15	51.4
4.00	14	52	38	10	51	47	4	0	50	+	7	14	44	15	51.6
5.00	14	56	34	10	55	24	4	1	10	+	6	52	34	15	51.8
6.00	15	0	31	10	59	0	4	1	30	+	6	30	17	15	52.1
7.00	15	4	27	11	2	36	4	1	50	+	6	7	54	15	52.3
8.00	15	8	24	11	6	12	4	2	11	+	5	45	25	15	52.6
9.00	15	12	20	11	9	48	4	2	32	+	5	22	50	15	52.8
10.00	15	16	17	11	13	24	4	2	53	+	5	0	10	15	53.1
11.00	15	20	14	11	16	59	4	3	14	+	4	37	25	15	53.3
12.00	15	24	10	11	20	35	4	3	35	+	4	14	35	15	53.6
13.00	15	28	7	11	24	10	4	3	56	+	3	51	41	15	53.8
14.00	15	32	3	11	27	45	4	4	17	+	3	28	42	15	54.1
15.00	15	36	0	11	31	20	4	4	39	+	3	5	41	15	54.3
16.00	15	39	56	11	34	55	4	5	0	+	2	42	35	15	54.6
17.00	15	43	53	11	38	30	4	5	22	+	2	19	27	15	54.8
18.00	15	47	49	11	42	6	4	5	43	+	1	56	15	15	55.1
19.00	15	51	46	11	45	41	4	6	5	+	1	33	1	15	55.4
20.00	15	55	43	11	49	16	4	6	26	+	1	9	45	15	55.6
21.00	15	59	39	11	52	51	4	6	48	+	0	46	27	15	55.9
22.00	16	3	36	11	56	26	4	7	9	+	0	23	7	15	56.1
23.00	16	7	32	12	0	2	4	7	30	-	0	0	13	15	56.4
24.00	16	11	29	12	3	37	4	7	51	-	0	23	35	15	56.6
25.00	16	15	25	12	7	13	4	8	12	-	0	46	57	15	56.9
26.00	16	19	22	12	10	49	4	8	33	-	1	10	20	15	57.2
27.00	16	23	18	12	14	25	4	8	53	-	1	33	43	15	57.4
28.00	16	27	15	12	18	1	4	9	13	-	1	57	5	15	57.7
29.00	16	31	12	12	21	38	4	9	33	-	2	20	26	15	58.0
30.00	16	35	8	12	25	14	4	9	53	-	2	43	45	15	58.3

MATAHARI

2008 Oktober

WPM	GST			R.A.			GHA			DEK			SD		
	h	j	m s	j	m	s	j	m	s	o	`	"	`	"	
1.00	16	39	5	12	28	52	4	10	13	-	3	7	3	15	58.5
2.00	16	43	1	12	32	29	4	10	32	-	3	30	20	15	58.8
3.00	16	46	58	12	36	6	4	10	51	-	3	53	33	15	59.1
4.00	16	50	54	12	39	44	4	11	9	-	4	16	44	15	59.4
5.00	16	54	51	12	43	23	4	11	28	-	4	39	52	15	59.6
6.00	16	58	47	12	47	1	4	11	46	-	5	2	56	15	59.9
7.00	17	2	44	12	50	40	4	12	3	-	5	25	56	16	.2
8.00	17	6	41	12	54	20	4	12	20	-	5	48	52	16	.5
9.00	17	10	37	12	57	59	4	12	37	-	6	11	44	16	.8
10.00	17	14	34	13	1	40	4	12	53	-	6	34	30	16	1.1
11.00	17	18	30	13	5	20	4	13	9	-	6	57	11	16	1.3
12.00	17	22	27	13	9	1	4	13	25	-	7	19	46	16	1.6
13.00	17	26	23	13	12	43	4	13	40	-	7	42	15	16	1.9
14.00	17	30	20	13	16	25	4	13	54	-	8	4	38	16	2.2
15.00	17	34	16	13	20	8	4	14	8	-	8	26	54	16	2.4
16.00	17	38	13	13	23	51	4	14	21	-	8	49	3	16	2.7
17.00	17	42	9	13	27	35	4	14	34	-	9	11	5	16	3.0
18.00	17	46	6	13	31	19	4	14	46	-	9	32	59	16	3.3
19.00	17	50	3	13	35	4	4	14	58	-	9	54	44	16	3.5
20.00	17	53	59	13	38	50	4	15	9	-	10	16	22	16	3.8
21.00	17	57	56	13	42	36	4	15	19	-	10	37	50	16	4.1
22.00	18	1	52	13	46	23	4	15	29	-	10	59	9	16	4.3
23.00	18	5	49	13	50	11	4	15	37	-	11	20	18	16	4.6
24.00	18	9	45	13	53	59	4	15	46	-	11	41	17	16	4.8
25.00	18	13	42	13	57	48	4	15	53	-	12	2	5	16	5.1
26.00	18	17	38	14	1	38	4	16	0	-	12	22	43	16	5.4
27.00	18	21	35	14	5	29	4	16	6	-	12	43	9	16	5.6
28.00	18	25	32	14	9	20	4	16	11	-	13	3	23	16	5.9
29.00	18	29	28	14	13	12	4	16	16	-	13	23	25	16	6.1
30.00	18	33	25	14	17	5	4	16	19	-	13	43	14	16	6.4
31.00	18	37	21	14	20	59	4	16	22	-	14	2	51	16	6.7

MATAHARI

2008 November

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

MATAHARI

2008 Desember

WPM h	GST			R.A.			GHA			DEK			SD	
	j	m	s	j	m	s	j	m	s	o	`	"	`	"
1.00	20	39	35	16	28	26	4	11	8	-21	46	22	16	13.3
2.00	20	43	31	16	32	45	4	10	45	-21	55	34	16	13.4
3.00	20	47	28	16	37	5	4	10	22	-22	4	21	16	13.6
4.00	20	51	24	16	41	25	4	9	58	-22	12	42	16	13.7
5.00	20	55	21	16	45	46	4	9	34	-22	20	37	16	13.9
6.00	20	59	17	16	50	8	4	9	9	-22	28	7	16	14.0
7.00	21	3	14	16	54	30	4	8	44	-22	35	10	16	14.2
8.00	21	7	10	16	58	52	4	8	18	-22	41	46	16	14.3
9.00	21	11	7	17	3	15	4	7	51	-22	47	56	16	14.5
10.00	21	15	4	17	7	38	4	7	25	-22	53	39	16	14.6
11.00	21	19	0	17	12	2	4	6	57	-22	58	55	16	14.7
12.00	21	22	57	17	16	26	4	6	30	-23	3	43	16	14.8
13.00	21	26	53	17	20	51	4	6	2	-23	8	4	16	14.9
14.00	21	30	50	17	25	16	4	5	34	-23	11	58	16	15.0
15.00	21	34	46	17	29	41	4	5	5	-23	15	24	16	15.1
16.00	21	38	43	17	34	6	4	4	36	-23	18	22	16	15.2
17.00	21	42	39	17	38	32	4	4	7	-23	20	53	16	15.3
18.00	21	46	36	17	42	58	4	3	38	-23	22	55	16	15.4
19.00	21	50	33	17	47	24	4	3	8	-23	24	29	16	15.5
20.00	21	54	29	17	51	50	4	2	38	-23	25	35	16	15.5
21.00	21	58	26	17	56	17	4	2	9	-23	26	13	16	15.6
22.00	22	2	22	18	0	43	4	1	39	-23	26	23	16	15.7
23.00	22	6	19	18	5	9	4	1	9	-23	26	4	16	15.7
24.00	22	10	15	18	9	36	4	0	39	-23	25	17	16	15.8
25.00	22	14	12	18	14	2	4	0	9	-23	24	2	16	15.8
26.00	22	18	8	18	18	29	3	59	39	-23	22	18	16	15.9
27.00	22	22	5	18	22	55	3	59	9	-23	20	6	16	15.9
28.00	22	26	2	18	27	21	3	58	40	-23	17	26	16	15.9
29.00	22	29	58	18	31	47	3	58	10	-23	14	18	16	16.0
30.00	22	33	55	18	36	13	3	57	41	-23	10	42	16	16.0
31.00	22	37	51	18	40	39	3	57	12	-23	6	39	16	16.0