

## BAB V

### KESIMPULAN DAN SARAN

#### 4.1. Kesimpulan

Kesimpulan yang didapat dari penelitian dan analisa data yang dilakukan di dua proyek hotel di Yogyakarta yakni Proyek Pembangunan Gedung Hotel Edelweiss dan Proyek Pembangunan Hotel Universitas Negeri Yogyakarta adalah sebagai berikut:

1. Produktivitas

- Proy. Hotel UNY = 28.8376 m<sup>2</sup>/hari
- Proy. Gedung Hotel Edelweiss = 22.3493 m<sup>2</sup>/hari

2. *Standard Time*

- Proy. Hotel UNY = 102.4 menit
- Proy. Gedung Hotel Edelweiss = 77.8 menit

3. Koefisien Produktivitas Tukang

- Proy. Hotel UNY = 0.0349 OH
- Proy. Gedung Hotel Edelweiss = 0.0454 OH

$$\begin{aligned} \text{Koefisien Produktivitas} &= \frac{0.0454 + 0.0349}{2} \\ &= \mathbf{0.04014 \text{ OH}} \end{aligned}$$

Dapat dibandingkan hasil dari kedua proyek. Terlihat bahwa Proyek Pembangunan Hotel Universitas Negeri Yogyakarta memiliki produktivitas yang

lebih tinggi daripada Proyek Pembangunan Gedung Hotel Edelweiss. Hal ini disebabkan karena faktor manajemen lapangan dan kondisi lapangan itu sendiri.

Pada Proyek Pembangunan Gedung Hotel Edelweiss, luas lahan yang digunakan untuk bekerja sangatlah terbatas sehingga mengurangi ruang gerak dari para tukang itu sendiri. Karena lahan yang sempit, menyebabkan tidak tersedianya lahan untuk meletakkan papan dan kayu bekas bekesting serta pipa baja yang digunakan sebagai scaffolding. Hal ini tentu saja sangat mengganggu pekerjaan dari para tukang.

Sementara pada Proyek Pembangunan Hotel Universitas Negeri Yogyakarta, lahan yang tersedia sangat luas, sehingga tukang dapat bekerja dengan ruang gerak yang luas pula. Selain itu, manajemen lapangan juga sangat baik. Terdapat satu kelompok pekerja yang khusus diperuntukkan untuk membersihkan lapangan dari sampah bekas bekesting dan ataupun scaffolding.

#### **4.2. Saran**

Dengan memperhatikan permasalahan yang timbul di lapangan pada saat melakukan penelitian, maka peneliti ingin menyampaikan saran-saran yang mungkin dapat menjadi bahan pertimbangan dalam penelitian ataupun dalam pelaksanaan suatu proyek di masa yang akan datang, antara lain sebagai berikut:

1. Bagi Peneliti; carilah referensi sebanyak-banyaknya sebelum melakukan penelitian, agar pada saat penelitian kesalahan yang terjadi bisa diminimalisir sehingga hasil penelitian yang didapat dapat dipertanggungjawabkan kebenarannya.

2. Bagi Pelaksana Proyek; kondisi lapangan sangat mempengaruhi produktivitas tukang dan pekerja, maka dari itu butuh manajemen lapangan yang baik sehingga para tukang dan pembantu tukang dapat bekerja dengan baik dan tanpa terganggu oleh hal-hal yang dapat merugikan. Sebaiknya gunakan jasa dari tukang dan pekerja yang berasal dari satu mandor dan dari satu daerah yang sama, karena hubungan horisontal telah berjalan dengan baik sebelumnya sehingga tukang dan pekerja dapat dengan nyaman untuk bekerja.



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**LAMPIRAN I**  
**DATA PROYEK PEMBANGUNAN HOTEL UNIVERSITAS NEGERI YOGYAKARTA**

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 1a		Waktu Mulai : 09.30				Noto = 9.76 m2			
TggL 31 Oktober 2011		Waktu Selesai : 11.36				Slamed = 7.15 m2			
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Noto					Slamed				
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98	11:07	Effective	100
99	11:08	Effective	100
100	11:09	Effective	100
101	11:10	Effective	100
102	11:11	Effective	100
103	11:12	Effective	100

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108	11:17	<i>Effective</i>	100
109	11:18	<i>Effective</i>	100
110	11:19	<i>Effective</i>	100
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124	11:33	<i>Effective</i>	100
125	11:34	<i>Effective</i>	100
126	11:35	<i>Effective</i>	100
127	11:36	<i>Effective</i>	100
128			
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131			
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141			
142			
143			
144			
145			
146			
147			
<i>effective</i>			98
<i>ineffective</i>			29
<i>total</i>			127

104	11:13	<i>Ineffective</i>	
105	11:14	<i>Ineffective</i>	
106	11:15	<i>Ineffective</i>	
107	11:16	<i>Ineffective</i>	
108	11:17	<i>Ineffective</i>	
109	11:18	<i>Ineffective</i>	
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113	11:22	<i>Ineffective</i>	
114	11:23	<i>Ineffective</i>	
115	11:24	<i>Ineffective</i>	
116	11:25	<i>Ineffective</i>	
117	11:26	<i>Ineffective</i>	
118	11:27	<i>Effective</i>	100
119	11:28	<i>Effective</i>	100
120	11:29	<i>Effective</i>	100
121	11:30	<i>Effective</i>	100
122	11:31	<i>Effective</i>	100
123	11:32	<i>Effective</i>	100
124	11:33	<i>Effective</i>	100
125	11:34	<i>Effective</i>	100
126	11:35	<i>Effective</i>	100
127	11:36	<i>Effective</i>	100
128			
129			
130			
131			
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137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
<i>effective</i>			78
<i>ineffective</i>			49
<i>total</i>			127

RELAXATION ALLOWANCE			
No : 1a		Waktu Mulai : 09.30	Noto = 9.76 m2
Tggl : 31 Oktober 2011		Waktu Selesai : 11.36	Slamed = 7.15 m2
PEKERJA			
Noto		Slamed	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	5
Konsentrasi	2	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	5	Suhu	5
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
TOTAL	24	TOTAL	26



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 31 OKTOBER 2011							
Waktu Mulai : 09.30				Waktu Selesai : 11.36			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Noto	<i>effective</i>	98	100	98	24	121,52	9,76
	<i>ineffective</i>	29					
	<i>total</i>	127	100	98			
Slamed	<i>effective</i>	78	100	78	26	98,28	7,15
	<i>ineffective</i>	49					
	<i>total</i>	127	100	78			
Rata-rata						109,9	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 31 OKTOBER 2011					
Waktu Mulai : 09.30			Waktu Selesai : 11.36		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Noto	9,76	12,4508	0,2075	33,7327	0,0296
Slamed	7,15	13,7455	0,2291	30,5556	0,0327
Rata-rata				32,1441	0,0312

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 1b		Waktu Mulai : 13.30			Noto = 7.65 m2				
TggL 31 Oktober 2011		Waktu Selesai : 15:29			Slamed = 8.5 m2				
PEKERJA									
Noto					Slamed				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
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58	14:27	Effective	100
59	14:28	Effective	100
60	14:29	Effective	100
61	14:30	Effective	100
62	14:31	Ineffective	
63	14:32	Ineffective	
64	14:33	Ineffective	
65	14:34	Ineffective	
66	14:35	Ineffective	
67	14:36	Ineffective	
68	14:37	Effective	100
69	14:38	Effective	100
70	14:39	Effective	100
71	14:40	Effective	100
72	14:41	Effective	100
73	14:42	Effective	100
74	14:43	Effective	100
75	14:44	Effective	100
76	14:45	Effective	100
77	14:46	Effective	100
78	14:47	Effective	100
79	14:48	Effective	100
80	14:49	Effective	100
81	14:50	Effective	100
82	14:51	Effective	100
83	14:52	Ineffective	
84	14:53	Ineffective	
85	14:54	Ineffective	
86	14:55	Ineffective	
87	14:56	Ineffective	
88	14:57	Ineffective	
89	14:58	Ineffective	
90	14:59	Ineffective	
91	15:00	Ineffective	
92	15:01	Ineffective	
93	15:02	Ineffective	
94	15:03	Ineffective	
95	15:04	Ineffective	
96	15:05	Ineffective	
97	15:06	Ineffective	
98	15:07	Ineffective	
99	15:08	Ineffective	
100	15:09	Ineffective	
101	15:10	Ineffective	
102	15:11	Ineffective	
103	15:12	Ineffective	

104	15:13	Effective	100
105	15:14	Effective	100
106	15:15	Effective	100
107	15:16	Effective	100
108	15:17	Effective	100
109	15:18	Effective	100
110	15:19	Effective	100
111	15:20	Effective	100
112	15:21	Ineffective	
113	15:22	Ineffective	
114	15:23	Ineffective	
115	15:24	Ineffective	
116	15:25	Ineffective	
117	15:26	Ineffective	
118	15:27	Ineffective	
119	15:28	Ineffective	
120	15:29	Ineffective	
121			
122			
123			
124			
125			
126			
127			
128			
129			
130			
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
		<i>effective</i>	77
		<i>ineffective</i>	43
		<i>total</i>	120

104	15:13	Effective	100
105	15:14	Effective	100
106	15:15	Effective	100
107	15:16	Effective	100
108	15:17	Effective	100
109	15:18	Effective	100
110	15:19	Effective	100
111	15:20	Effective	100
112	15:21	Effective	100
113	15:22	Effective	100
114	15:23	Effective	100
115	15:24	Effective	100
116	15:25	Effective	100
117	15:26	Effective	100
118	15:27	Effective	100
119	15:28	Effective	100
120	15:29	Effective	100
121			
122			
123			
124			
125			
126			
127			
128			
129			
130			
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
		<i>effective</i>	90
		<i>ineffective</i>	30
		<i>total</i>	120

<b>RELAXATION ALLOWANCE</b>			
No : 1b	Waktu Mulai : 13.30	Noto = 7.65 m2	
TggI : 31 Oktober 2011	Waktu Selesai : 15:29	Slamed = 8.5 m2	
<b>PEKERJA</b>			
Noto		Slamed	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	5	Posisi Kerja	5
Konsentrasi	2	Konsentrasi	2
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	5	Suhu	5
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>28</b>	<b>TOTAL</b>	<b>28</b>



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 31 OKTOBER 2011							
Waktu Mulai : 13.30				Waktu Selesai : 15:29			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Noto	<i>effective</i>	77	100	77	28	98,56	7,65
	<i>ineffective</i>	43					
	<i>total</i>	120	100	77			
Slamed	<i>effective</i>	90	100	90	28	115,2	8,5
	<i>ineffective</i>	30					
	<i>total</i>	120	100	90			
Rata-rata						106,88	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 31 OKTOBER 2011					
Waktu Mulai : 13.30			Waktu Selesai : 15:29		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Noto	7,65	12,8837	0,2147	32,5994	0,030675
Slamed	8,5	13,5529	0,2259	30,9896	0,032269
Rata-rata				31,7945	0,031472

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 2a		Waktu Mulai : 08.54			Noto = 7.4 m2				
TggL 1 Nopember 2011		Waktu Selesai : 11:00			Slamed = 8.06 m2				
PEKERJA									
Noto					Slamed				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	8:54	Ineffective		<b>78</b>	1	8:54	Effective	100	<b>92</b>
2	8:55	Ineffective			2	8:55	Effective	100	
3	8:56	Ineffective			3	8:56	Effective	100	
4	8:57	Ineffective			4	8:57	Effective	100	
5	8:58	Ineffective			5	8:58	Effective	100	
6	8:59	Ineffective			6	8:59	Effective	100	
7	9:00	Ineffective			7	9:00	Ineffective		
8	9:01	Ineffective			8	9:01	Ineffective		
9	9:02	Ineffective			9	9:02	Ineffective		
10	9:03	Ineffective			10	9:03	Ineffective		
11	9:04	Ineffective			11	9:04	Ineffective		
12	9:05	Ineffective			12	9:05	Ineffective		
13	9:06	Ineffective			13	9:06	Ineffective		
14	9:07	Ineffective			14	9:07	Ineffective		
15	9:08	Ineffective			15	9:08	Ineffective		
16	9:09	Ineffective			16	9:09	Ineffective		
17	9:10	Ineffective			17	9:10	Ineffective		
18	9:11	Ineffective			18	9:11	Ineffective		
19	9:12	Ineffective			19	9:12	Ineffective		
20	9:13	Ineffective			20	9:13	Ineffective		
21	9:14	Ineffective			21	9:14	Ineffective		
22	9:15	Ineffective			22	9:15	Effective	100	
23	9:16	Ineffective			23	9:16	Effective	100	
24	9:17	Ineffective			24	9:17	Effective	100	
25	9:18	Ineffective			25	9:18	Effective	100	
26	9:19	Ineffective			26	9:19	Effective	100	
27	9:20	Ineffective			27	9:20	Effective	100	
28	9:21	Ineffective			28	9:21	Effective	100	
29	9:22	Ineffective			29	9:22	Effective	100	
30	9:23	Ineffective			30	9:23	Effective	100	
31	9:24	Ineffective			31	9:24	Effective	100	
32	9:25	Ineffective			32	9:25	Effective	100	
33	9:26	Ineffective			33	9:26	Effective	100	
34	9:27	Ineffective			34	9:27	Effective	100	
35	9:28	Ineffective			35	9:28	Effective	100	
36	9:29	Effective	100		36	9:29	Effective	100	
37	9:30	Effective	100		37	9:30	Effective	100	
38	9:31	Effective	100		38	9:31	Effective	100	
39	9:32	Effective	100		39	9:32	Effective	100	
40	9:33	Effective	100		40	9:33	Effective	100	
41	9:34	Effective	100		41	9:34	Effective	100	
42	9:35	Effective	100		42	9:35	Ineffective		
43	9:36	Effective	100		43	9:36	Ineffective		
44	9:37	Effective	100		44	9:37	Ineffective		
45	9:38	Effective	100		45	9:38	Ineffective		
46	9:39	Effective	100		46	9:39	Ineffective		
47	9:40	Effective	100		47	9:40	Ineffective		
48	9:41	Effective	100		48	9:41	Ineffective		

49	9:42	Effective	100
50	9:43	Effective	100
51	9:44	Effective	100
52	9:45	Effective	100
53	9:46	Effective	100
54	9:47	Effective	100
55	9:48	Effective	100
56	9:49	Effective	100
57	9:50	Effective	100
58	9:51	Effective	100
59	9:52	Effective	100
60	9:53	Effective	100
61	9:54	Effective	100
62	9:55	Effective	100
63	9:56	Effective	100
64	9:57	Effective	100
65	9:58	Effective	100
66	9:59	Effective	100
67	10:00	Effective	100
68	10:01	Effective	100
69	10:02	Effective	100
70	10:03	Effective	100
71	10:04	Effective	100
72	10:05	Effective	100
73	10:06	Ineffective	
74	10:07	Effective	100
75	10:08	Effective	100
76	10:09	Effective	100
77	10:10	Effective	100
78	10:11	Effective	100
79	10:12	Effective	100
80	10:13	Effective	100
81	10:14	Ineffective	
82	10:15	Ineffective	
83	10:16	Ineffective	
84	10:17	Ineffective	
85	10:18	Ineffective	
86	10:19	Effective	100
87	10:20	Effective	100
88	10:21	Effective	100
89	10:22	Effective	100
90	10:23	Effective	100
91	10:24	Effective	100
92	10:25	Effective	100
93	10:26	Effective	100
94	10:27	Effective	100
95	10:28	Effective	100
96	10:29	Effective	100
97	10:30	Effective	100
98	10:31	Effective	100
99	10:32	Effective	100
100	10:33	Effective	100
101	10:34	Effective	100
102	10:35	Effective	100
103	10:36	Effective	100

49	9:42	Ineffective	
50	9:43	Ineffective	
51	9:44	Ineffective	
52	9:45	Ineffective	
53	9:46	Ineffective	
54	9:47	Effective	100
55	9:48	Effective	100
56	9:49	Effective	100
57	9:50	Effective	100
58	9:51	Effective	100
59	9:52	Effective	100
60	9:53	Effective	100
61	9:54	Effective	100
62	9:55	Effective	100
63	9:56	Effective	100
64	9:57	Effective	100
65	9:58	Effective	100
66	9:59	Effective	100
67	10:00	Effective	100
68	10:01	Effective	100
69	10:02	Effective	100
70	10:03	Effective	100
71	10:04	Effective	100
72	10:05	Effective	100
73	10:06	Effective	100
74	10:07	Effective	100
75	10:08	Effective	100
76	10:09	Effective	100
77	10:10	Effective	100
78	10:11	Effective	100
79	10:12	Effective	100
80	10:13	Effective	100
81	10:14	Effective	100
82	10:15	Effective	100
83	10:16	Effective	100
84	10:17	Effective	100
85	10:18	Effective	100
86	10:19	Effective	100
87	10:20	Effective	100
88	10:21	Effective	100
89	10:22	Effective	100
90	10:23	Effective	100
91	10:24	Effective	100
92	10:25	Effective	100
93	10:26	Effective	100
94	10:27	Effective	100
95	10:28	Effective	100
96	10:29	Effective	100
97	10:30	Effective	100
98	10:31	Ineffective	
99	10:32	Ineffective	
100	10:33	Ineffective	
101	10:34	Ineffective	
102	10:35	Ineffective	
103	10:36	Ineffective	



104	10:37	Effective	100
105	10:38	Effective	100
106	10:39	Ineffective	
107	10:40	Ineffective	
108	10:41	Ineffective	
109	10:42	Effective	100
110	10:43	Effective	100
111	10:44	Effective	100
112	10:45	Effective	100
113	10:46	Effective	100
114	10:47	Effective	100
115	10:48	Effective	100
116	10:49	Effective	100
117	10:50	Effective	100
118	10:51	Effective	100
119	10:52	Effective	100
120	10:53	Effective	100
121	10:54	Effective	100
122	10:55	Effective	100
123	10:56	Ineffective	
124	10:57	Ineffective	
125	10:58	Ineffective	
126	10:59	Ineffective	
127	11:00	Ineffective	
128			
129			
130			
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
		<i>effective</i>	78
		<i>ineffective</i>	49
		<i>total</i>	127

104	10:37	Ineffective	
105	10:38	Ineffective	
106	10:39	Effective	100
107	10:40	Effective	100
108	10:41	Effective	100
109	10:42	Effective	100
110	10:43	Effective	100
111	10:44	Effective	100
112	10:45	Effective	100
113	10:46	Effective	100
114	10:47	Effective	100
115	10:48	Effective	100
116	10:49	Effective	100
117	10:50	Effective	100
118	10:51	Effective	100
119	10:52	Effective	100
120	10:53	Effective	100
121	10:54	Effective	100
122	10:55	Effective	100
123	10:56	Effective	100
124	10:57	Effective	100
125	10:58	Effective	100
126	10:59	Effective	100
127	11:00	Effective	100
128			
129			
130			
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
		<i>effective</i>	92
		<i>ineffective</i>	35
		<i>total</i>	127

<b>RELAXATION ALLOWANCE</b>			
No : 2a	Waktu Mulai : 08.54	Noto = 7.4 m2	
TggI : 1 Nopember 2011	Waktu Selesai : 11:00	Slamed = 8.06 m2	
<b>PEKERJA</b>			
Noto		Slamed	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	4
Konsentrasi	2	Konsentrasi	2
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	5	Suhu	5
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>24</b>	<b>TOTAL</b>	<b>26</b>



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 1 NOPEMBER 2011							
Waktu Mulai : 08.54				Waktu Selesai : 11:00			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Noto	<i>effective</i>	78	100	78	24	96,72	7,4
	<i>ineffective</i>	49					
	<i>total</i>	127	100	78			
Slamed	<i>effective</i>	92	100	92	26	115,92	8,06
	<i>ineffective</i>	35					
	<i>total</i>	127	100	92			
Rata-rata						106,32	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 1 NOPEMBER 2011					
Waktu Mulai : 08.54			Waktu Selesai : 11:00		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Noto	7,4	13,0703	0,2178	32,1340	0,03112
Slamed	8,06	14,3821	0,2397	29,2029	0,034243
Rata-rata				30,6684	0,032681

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 2b		Waktu Mulai : 14:15			Noto = 8.5 m2				
TggL 1 Nopember 2011		Waktu Selesai : 16:20			Slamed = 7.2 m2				
PEKERJA									
Noto					Slamed				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	14:15	Effective	100	<b>102</b>	1	14:15	Effective	100	<b>87</b>
2	14:16	Effective	100		2	14:16	Effective	100	
3	14:17	Effective	100		3	14:17	Effective	100	
4	14:18	Effective	100		4	14:18	Effective	100	
5	14:19	Effective	100		5	14:19	Effective	100	
6	14:20	Effective	100		6	14:20	Effective	100	
7	14:21	Effective	100		7	14:21	Effective	100	
8	14:22	Effective	100		8	14:22	Effective	100	
9	14:23	Effective	100		9	14:23	Effective	100	
10	14:24	Effective	100		10	14:24	Effective	100	
11	14:25	Effective	100		11	14:25	Effective	100	
12	14:26	Effective	100		12	14:26	Effective	100	
13	14:27	Effective	100		13	14:27	Effective	100	
14	14:28	Effective	100		14	14:28	Effective	100	
15	14:29	Effective	100		15	14:29	Effective	100	
16	14:30	Effective	100		16	14:30	Effective	100	
17	14:31	Effective	100		17	14:31	Effective	100	
18	14:32	Effective	100		18	14:32	Effective	100	
19	14:33	Effective	100		19	14:33	Effective	100	
20	14:34	Effective	100		20	14:34	Effective	100	
21	14:35	Effective	100		21	14:35	Effective	100	
22	14:36	Effective	100		22	14:36	Effective	100	
23	14:37	Effective	100		23	14:37	Effective	100	
24	14:38	Effective	100		24	14:38	Effective	100	
25	14:39	Effective	100		25	14:39	Effective	100	
26	14:40	Effective	100		26	14:40	Effective	100	
27	14:41	Effective	100		27	14:41	Effective	100	
28	14:42	Effective	100		28	14:42	Effective	100	
29	14:43	Effective	100		29	14:43	Effective	100	
30	14:44	Effective	100		30	14:44	Effective	100	
31	14:45	Ineffective			31	14:45	Effective	100	
32	14:46	Ineffective			32	14:46	Effective	100	
33	14:47	Effective	100		33	14:47	Effective	100	
34	14:48	Effective	100		34	14:48	Effective	100	
35	14:49	Effective	100		35	14:49	Effective	100	
36	14:50	Effective	100		36	14:50	Effective	100	
37	14:51	Effective	100		37	14:51	Effective	100	
38	14:52	Effective	100		38	14:52	Effective	100	
39	14:53	Effective	100		39	14:53	Effective	100	
40	14:54	Effective	100		40	14:54	Effective	100	
41	14:55	Effective	100		41	14:55	Effective	100	
42	14:56	Effective	100		42	14:56	Effective	100	
43	14:57	Effective	100		43	14:57	Effective	100	
44	14:58	Effective	100		44	14:58	Effective	100	
45	14:59	Effective	100		45	14:59	Effective	100	
46	15:00	Effective	100		46	15:00	Effective	100	
47	15:01	Effective	100		47	15:01	Effective	100	
48	15:02	Effective	100		48	15:02	Effective	100	
49	15:03	Effective	100		49	15:03	Effective	100	
50	15:04	Effective	100		50	15:04	Effective	100	

51	15:05	Effective	100
52	15:06	Effective	100
53	15:07	Effective	100
54	15:08	Effective	100
55	15:09	Effective	100
56	15:10	Effective	100
57	15:11	Effective	100
58	15:12	Effective	100
59	15:13	Effective	100
60	15:14	Effective	100
61	15:15	Effective	100
62	15:16	Effective	100
63	15:17	Effective	100
64	15:18	Effective	100
65	15:19	Effective	100
66	15:20	Effective	100
67	15:21	Effective	100
68	15:22	Effective	100
69	15:23	Ineffective	
70	15:24	Ineffective	
71	15:25	Ineffective	
72	15:26	Ineffective	
73	15:27	Ineffective	
74	15:28	Ineffective	
75	15:29	Ineffective	
76	15:30	Ineffective	
77	15:31	Ineffective	
78	15:32	Ineffective	
79	15:33	Ineffective	
80	15:34	Ineffective	
81	15:35	Ineffective	
82	15:36	Ineffective	
83	15:37	Ineffective	
84	15:38	Ineffective	
85	15:39	Ineffective	
86	15:40	Ineffective	
87	15:41	Ineffective	
88	15:42	Ineffective	
89	15:43	Effective	100
90	15:44	Effective	100
91	15:45	Effective	100
92	15:46	Effective	100
93	15:47	Effective	100
94	15:48	Effective	100
95	15:49	Effective	100
96	15:50	Effective	100
97	15:51	Effective	100
98	15:52	Effective	100
99	15:53	Effective	100
100	15:54	Effective	100
101	15:55	Effective	100
102	15:56	Effective	100
103	15:57	Effective	100
104	15:58	Effective	100
105	15:59	Effective	100
106	16:00	Effective	100

51	15:05	Effective	100
52	15:06	Effective	100
53	15:07	Effective	100
54	15:08	Effective	100
55	15:09	Effective	100
56	15:10	Ineffective	
57	15:11	Ineffective	
58	15:12	Ineffective	
59	15:13	Ineffective	
60	15:14	Effective	100
61	15:15	Effective	100
62	15:16	Effective	100
63	15:17	Effective	100
64	15:18	Ineffective	
65	15:19	Effective	100
66	15:20	Effective	100
67	15:21	Effective	100
68	15:22	Effective	100
69	15:23	Effective	100
70	15:24	Effective	100
71	15:25	Effective	100
72	15:26	Effective	100
73	15:27	Effective	100
74	15:28	Effective	100
75	15:29	Effective	100
76	15:30	Effective	100
77	15:31	Effective	100
78	15:32	Effective	100
79	15:33	Effective	100
80	15:34	Effective	100
81	15:35	Effective	100
82	15:36	Effective	100
83	15:37	Effective	100
84	15:38	Effective	100
85	15:39	Effective	100
86	15:40	Effective	100
87	15:41	Ineffective	
88	15:42	Ineffective	
89	15:43	Ineffective	
90	15:44	Ineffective	
91	15:45	Ineffective	
92	15:46	Ineffective	
93	15:47	Effective	100
94	15:48	Effective	100
95	15:49	Effective	100
96	15:50	Effective	100
97	15:51	Effective	100
98	15:52	Effective	100
99	15:53	Ineffective	
100	15:54	Ineffective	
101	15:55	Ineffective	
102	15:56	Ineffective	
103	15:57	Ineffective	
104	15:58	Ineffective	
105	15:59	Ineffective	
106	16:00	Ineffective	

107	16:01	<i>Effective</i>	100
108	16:02	<i>Effective</i>	100
109	16:03	<i>Effective</i>	100
110	16:04	<i>Effective</i>	100
111	16:05	<i>Effective</i>	100
112	16:06	<i>Effective</i>	100
113	16:07	<i>Effective</i>	100
114	16:08	<i>Effective</i>	100
115	16:09	<i>Effective</i>	100
116	16:10	<i>Ineffective</i>	
117	16:11	<i>Ineffective</i>	
118	16:12	<i>Effective</i>	100
119	16:13	<i>Effective</i>	100
120	16:14	<i>Effective</i>	100
121	16:15	<i>Effective</i>	100
122	16:16	<i>Effective</i>	100
123	16:17	<i>Effective</i>	100
124	16:18	<i>Effective</i>	100
125	16:19	<i>Effective</i>	100
126	16:20	<i>Effective</i>	100
127			
128			
129			
130			
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>			102
<i>ineffective</i>			24
<i>total</i>			126

107	16:01	<i>Ineffective</i>	
108	16:02	<i>Ineffective</i>	
109	16:03	<i>Ineffective</i>	
110	16:04	<i>Ineffective</i>	
111	16:05	<i>Ineffective</i>	
112	16:06	<i>Ineffective</i>	
113	16:07	<i>Ineffective</i>	
114	16:08	<i>Ineffective</i>	
115	16:09	<i>Ineffective</i>	
116	16:10	<i>Ineffective</i>	
117	16:11	<i>Ineffective</i>	
118	16:12	<i>Ineffective</i>	
119	16:13	<i>Ineffective</i>	
120	16:14	<i>Ineffective</i>	
121	16:15	<i>Ineffective</i>	
122	16:16	<i>Ineffective</i>	
123	16:17	<i>Ineffective</i>	
124	16:18	<i>Ineffective</i>	
125	16:19	<i>Ineffective</i>	
126	16:20	<i>Ineffective</i>	
127			
128			
129			
130			
131			
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133			
134			
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137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>			87
<i>ineffective</i>			39
<i>total</i>			126

RELAXATION ALLOWANCE			
No : 2b	Waktu Mulai : 14:15	Noto = 8.5 m2	
Tgg : 1 Nopember 2011	Waktu Selesai : 16:20	Slamed = 7.2 m2	
PEKERJA			
Noto		Slamed	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	5	Posisi Kerja	5
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	4	Kebisingan	4
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	25	TOTAL	25



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 1 NOPEMBER 2011							
Waktu Mulai : 14:15				Waktu Selesai : 16:20			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Noto	<i>effective</i>	102	100	102	25	127,5	8,5
	<i>ineffective</i>	24					
	<i>total</i>	126	100	102			
Slamed	<i>effective</i>	87	100	87	25	108,75	7,2
	<i>ineffective</i>	39					
	<i>total</i>	126	100	87			
Rata-rata						118,125	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 1 NOPEMBER 2011					
Waktu Mulai : 14:15			Waktu Selesai : 16:20		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Noto	8,5	15,0000	0,2500	28,0000	0,035714
Slamed	7,2	15,1042	0,2517	27,8069	0,035962
Rata-rata				27,9034	0,035838



RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 3a		Waktu Mulai : 9.58			Slamed R = 4.3 m2				
TggL 2 Nopember 2011		Waktu Selesai : 11:57			Ahmad = 6.2 m2				
PEKERJA									
Slamed R					Ahmad				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	9:58	Effective	75	<b>52,5</b>	1	9:58	Ineffective		<b>65</b>
2	9:59	Effective	75		2	9:59	Ineffective		
3	10:00	Effective	75		3	10:00	Ineffective		
4	10:01	Effective	75		4	10:01	Ineffective		
5	10:02	Effective	75		5	10:02	Ineffective		
6	10:03	Effective	75		6	10:03	Ineffective		
7	10:04	Effective	75		7	10:04	Ineffective		
8	10:05	Effective	75		8	10:05	Ineffective		
9	10:06	Effective	75		9	10:06	Ineffective		
10	10:07	Effective	75		10	10:07	Ineffective		
11	10:08	Effective	75		11	10:08	Ineffective		
12	10:09	Effective	75		12	10:09	Ineffective		
13	10:10	Effective	75		13	10:10	Ineffective		
14	10:11	Effective	75		14	10:11	Ineffective		
15	10:12	Effective	75		15	10:12	Ineffective		
16	10:13	Effective	75		16	10:13	Ineffective		
17	10:14	Effective	75		17	10:14	Ineffective		
18	10:15	Ineffective			18	10:15	Ineffective		
19	10:16	Ineffective			19	10:16	Ineffective		
20	10:17	Ineffective			20	10:17	Ineffective		
21	10:18	Ineffective			21	10:18	Effective	100	
22	10:19	Ineffective			22	10:19	Effective	100	
23	10:20	Ineffective			23	10:20	Effective	100	
24	10:21	Ineffective			24	10:21	Effective	100	
25	10:22	Ineffective			25	10:22	Effective	100	
26	10:23	Ineffective			26	10:23	Effective	100	
27	10:24	Ineffective			27	10:24	Effective	100	
28	10:25	Ineffective			28	10:25	Effective	100	
29	10:26	Ineffective			29	10:26	Effective	100	
30	10:27	Ineffective			30	10:27	Effective	100	
31	10:28	Ineffective			31	10:28	Effective	100	
32	10:29	Effective	75		32	10:29	Effective	100	
33	10:30	Effective	75		33	10:30	Effective	100	
34	10:31	Effective	75		34	10:31	Effective	100	
35	10:32	Effective	75		35	10:32	Effective	100	
36	10:33	Effective	75		36	10:33	Effective	100	
37	10:34	Effective	75		37	10:34	Effective	100	
38	10:35	Effective	75		38	10:35	Effective	100	
39	10:36	Effective	75		39	10:36	Effective	100	
40	10:37	Effective	75		40	10:37	Effective	100	
41	10:38	Effective	75		41	10:38	Effective	100	
42	10:39	Effective	75		42	10:39	Effective	100	
43	10:40	Effective	75		43	10:40	Effective	100	
44	10:41	Effective	75		44	10:41	Effective	100	
45	10:42	Effective	75		45	10:42	Effective	100	
46	10:43	Effective	75		46	10:43	Effective	100	
47	10:44	Effective	75		47	10:44	Ineffective		
48	10:45	Effective	75		48	10:45	Ineffective		
49	10:46	Effective	75		49	10:46	Ineffective		
50	10:47	Effective	75		50	10:47	Effective	100	

51	10:48	Effective	75
52	10:49	Effective	75
53	10:50	Effective	75
54	10:51	Effective	75
55	10:52	Effective	75
56	10:53	Effective	75
57	10:54	Effective	75
58	10:55	Effective	75
59	10:56	Effective	75
60	10:57	Effective	75
61	10:58	Effective	75
62	10:59	Ineffective	
63	11:00	Ineffective	
64	11:01	Ineffective	
65	11:02	Effective	75
66	11:03	Effective	75
67	11:04	Effective	75
68	11:05	Effective	75
69	11:06	Effective	75
70	11:07	Effective	75
71	11:08	Effective	75
72	11:09	Ineffective	
73	11:10	Ineffective	
74	11:11	Ineffective	
75	11:12	Ineffective	
76	11:13	Ineffective	
77	11:14	Effective	75
78	11:15	Effective	75
79	11:16	Effective	75
80	11:17	Effective	75
81	11:18	Effective	75
82	11:19	Effective	75
83	11:20	Effective	75
84	11:21	Effective	75
85	11:22	Effective	75
86	11:23	Effective	75
87	11:24	Effective	75
88	11:25	Effective	75
89	11:26	Effective	75
90	11:27	Effective	75
91	11:28	Effective	75
92	11:29	Effective	75
93	11:30	Ineffective	
94	11:31	Ineffective	
95	11:32	Ineffective	
96	11:33	Ineffective	
97	11:34	Ineffective	
98	11:35	Ineffective	
99	11:36	Ineffective	
100	11:37	Ineffective	
101	11:38	Ineffective	
102	11:39	Ineffective	
103	11:40	Ineffective	
104	11:41	Ineffective	
105	11:42	Ineffective	
106	11:43	Ineffective	

51	10:48	Effective	100
52	10:49	Effective	100
53	10:50	Effective	100
54	10:51	Effective	100
55	10:52	Effective	100
56	10:53	Effective	100
57	10:54	Effective	100
58	10:55	Effective	100
59	10:56	Effective	100
60	10:57	Effective	100
61	10:58	Effective	100
62	10:59	Effective	100
63	11:00	Effective	100
64	11:01	Effective	100
65	11:02	Effective	100
66	11:03	Effective	100
67	11:04	Ineffective	
68	11:05	Ineffective	
69	11:06	Ineffective	
70	11:07	Ineffective	
71	11:08	Ineffective	
72	11:09	Ineffective	
73	11:10	Ineffective	
74	11:11	Ineffective	
75	11:12	Ineffective	
76	11:13	Ineffective	
77	11:14	Ineffective	
78	11:15	Ineffective	
79	11:16	Ineffective	
80	11:17	Ineffective	
81	11:18	Ineffective	
82	11:19	Ineffective	
83	11:20	Effective	100
84	11:21	Effective	100
85	11:22	Effective	100
86	11:23	Effective	100
87	11:24	Effective	100
88	11:25	Effective	100
89	11:26	Effective	100
90	11:27	Effective	100
91	11:28	Effective	100
92	11:29	Effective	100
93	11:30	Effective	100
94	11:31	Effective	100
95	11:32	Effective	100
96	11:33	Effective	100
97	11:34	Effective	100
98	11:35	Effective	100
99	11:36	Effective	100
100	11:37	Effective	100
101	11:38	Effective	100
102	11:39	Effective	100
103	11:40	Effective	100
104	11:41	Effective	100
105	11:42	Ineffective	
106	11:43	Ineffective	

107	11:44	<i>Ineffective</i>	
108	11:45	<i>Ineffective</i>	
109	11:46	<i>Ineffective</i>	
110	11:47	<i>Ineffective</i>	
111	11:48	<i>Ineffective</i>	
112	11:49	<i>Ineffective</i>	
113	11:50	<i>Ineffective</i>	
114	11:51	<i>Ineffective</i>	
115	11:52	<i>Ineffective</i>	
116	11:53	<i>Ineffective</i>	
117	11:54	<i>Ineffective</i>	
118	11:55	<i>Ineffective</i>	
119	11:56	<i>Ineffective</i>	
120	11:57	<i>Ineffective</i>	
121			
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146			
147			
148			
149			
150			
<i>effective</i>		70	
<i>ineffective</i>		50	
<i>total</i>		120	

107	11:44	<i>Ineffective</i>	
108	11:45	<i>Ineffective</i>	
109	11:46	<i>Ineffective</i>	
110	11:47	<i>Ineffective</i>	
111	11:48	<i>Ineffective</i>	
112	11:49	<i>Ineffective</i>	
113	11:50	<i>Ineffective</i>	
114	11:51	<i>Ineffective</i>	
115	11:52	<i>Ineffective</i>	
116	11:53	<i>Ineffective</i>	
117	11:54	<i>Ineffective</i>	
118	11:55	<i>Ineffective</i>	
119	11:56	<i>Ineffective</i>	
120	11:57	<i>Ineffective</i>	
121			
122			
123			
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126			
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128			
129			
130			
131			
132			
133			
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145			
146			
147			
148			
149			
150			
<i>effective</i>		65	
<i>ineffective</i>		55	
<i>total</i>		120	

RELAXATION ALLOWANCE			
No : 3a	Waktu Mulai : 9:58	Slamed R = 4.3 m2	
Tgg1 : 2 Nopember 2011	Waktu Selesai : 11:57	Ahmad = 6.2 m2	
PEKERJA			
Slamed R		Ahmad	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	5	Suhu	5
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
TOTAL	23	TOTAL	23



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 2 NOPEMBER 2011							
Waktu Mulai : 9.58				Waktu Selesai : 11:57			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Slamed R	<i>effective</i>	70	75	52,5	23	64,575	4,3
	<i>ineffective</i>	50					
	<i>total</i>	120	75	52,5			
Ahmad	<i>effective</i>	65	100	65	23	79,95	6,2
	<i>ineffective</i>	55					
	<i>total</i>	120	100	65			
Rata-rata						72,2625	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 2 NOPEMBER 2011					
Waktu Mulai : 9.58			Waktu Selesai : 11:57		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Slamed R	4,3	15,0174	0,2503	27,9675	0,035756
Ahmad	6,2	12,8952	0,2149	32,5704	0,030703
Rata-rata				30,2689	0,033229

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 3b		Waktu Mulai : 13.15			Slamed R = 5.2 m2				
TggL 2 Nopember 2011		Waktu Selesai : 15.27			Ahmad = 7.54 m2				
PEKERJA									
Slamed R					Ahmad				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	13:15	Effective	75	<b>75,75</b>	1	13:15	Effective	100	<b>81</b>
2	13:16	Effective	75		2	13:16	Effective	100	
3	13:17	Effective	75		3	13:17	Effective	100	
4	13:18	Effective	75		4	13:18	Effective	100	
5	13:19	Effective	75		5	13:19	Effective	100	
6	13:20	Effective	75		6	13:20	Effective	100	
7	13:21	Effective	75		7	13:21	Effective	100	
8	13:22	Effective	75		8	13:22	Effective	100	
9	13:23	Effective	75		9	13:23	Effective	100	
10	13:24	Effective	75		10	13:24	Ineffective		
11	13:25	Effective	75		11	13:25	Ineffective		
12	13:26	Effective	75		12	13:26	Ineffective		
13	13:27	Effective	75		13	13:27	Ineffective		
14	13:28	Effective	75		14	13:28	Ineffective		
15	13:29	Effective	75		15	13:29	Effective	100	
16	13:30	Effective	75		16	13:30	Effective	100	
17	13:31	Effective	75		17	13:31	Effective	100	
18	13:32	Effective	75		18	13:32	Effective	100	
19	13:33	Effective	75		19	13:33	Effective	100	
20	13:34	Effective	75		20	13:34	Effective	100	
21	13:35	Effective	75		21	13:35	Effective	100	
22	13:36	Effective	75		22	13:36	Effective	100	
23	13:37	Effective	75		23	13:37	Effective	100	
24	13:38	Effective	75		24	13:38	Effective	100	
25	13:39	Effective	75		25	13:39	Effective	100	
26	13:40	Effective	75		26	13:40	Effective	100	
27	13:41	Effective	75		27	13:41	Effective	100	
28	13:42	Effective	75		28	13:42	Effective	100	
29	13:43	Effective	75		29	13:43	Effective	100	
30	13:44	Effective	75		30	13:44	Effective	100	
31	13:45	Effective	75		31	13:45	Effective	100	
32	13:46	Effective	75		32	13:46	Effective	100	
33	13:47	Effective	75		33	13:47	Effective	100	
34	13:48	Effective	75		34	13:48	Effective	100	
35	13:49	Effective	75		35	13:49	Effective	100	
36	13:50	Effective	75		36	13:50	Effective	100	
37	13:51	Effective	75		37	13:51	Effective	100	
38	13:52	Effective	75		38	13:52	Ineffective		
39	13:53	Effective	75		39	13:53	Ineffective		
40	13:54	Effective	75		40	13:54	Ineffective		
41	13:55	Effective	75		41	13:55	Ineffective		
42	13:56	Effective	75		42	13:56	Ineffective		
43	13:57	Effective	75		43	13:57	Ineffective		
44	13:58	Effective	75		44	13:58	Ineffective		
45	13:59	Effective	75		45	13:59	Ineffective		
46	14:00	Effective	75		46	14:00	Ineffective		
47	14:01	Effective	75		47	14:01	Ineffective		
48	14:02	Effective	75		48	14:02	Ineffective		
49	14:03	Effective	75		49	14:03	Effective	100	
50	14:04	Effective	75		50	14:04	Effective	100	

51	14:05	<i>Effective</i>	75
52	14:06	<i>Effective</i>	75
53	14:07	<i>Effective</i>	75
54	14:08	<i>Ineffective</i>	
55	14:09	<i>Ineffective</i>	
56	14:10	<i>Ineffective</i>	
57	14:11	<i>Ineffective</i>	
58	14:12	<i>Ineffective</i>	
59	14:13	<i>Ineffective</i>	
60	14:14	<i>Ineffective</i>	
61	14:15	<i>Ineffective</i>	
62	14:16	<i>Ineffective</i>	
63	14:17	<i>Ineffective</i>	
64	14:18	<i>Ineffective</i>	
65	14:19	<i>Ineffective</i>	
66	14:20	<i>Ineffective</i>	
67	14:21	<i>Ineffective</i>	
68	14:22	<i>Ineffective</i>	
69	14:23	<i>Ineffective</i>	
70	14:24	<i>Ineffective</i>	
71	14:25	<i>Effective</i>	75
72	14:26	<i>Effective</i>	75
73	14:27	<i>Effective</i>	75
74	14:28	<i>Effective</i>	75
75	14:29	<i>Effective</i>	75
76	14:30	<i>Effective</i>	75
77	14:31	<i>Effective</i>	75
78	14:32	<i>Effective</i>	75
79	14:33	<i>Effective</i>	75
80	14:34	<i>Effective</i>	75
81	14:35	<i>Effective</i>	75
82	14:36	<i>Effective</i>	75
83	14:37	<i>Effective</i>	75
84	14:38	<i>Effective</i>	75
85	14:39	<i>Effective</i>	75
86	14:40	<i>Effective</i>	75
87	14:41	<i>Effective</i>	75
88	14:42	<i>Effective</i>	75
89	14:43	<i>Effective</i>	75
90	14:44	<i>Effective</i>	75
91	14:45	<i>Effective</i>	75
92	14:46	<i>Effective</i>	75
93	14:47	<i>Effective</i>	75
94	14:48	<i>Effective</i>	75
95	14:49	<i>Effective</i>	75
96	14:50	<i>Effective</i>	75
97	14:51	<i>Effective</i>	75
98	14:52	<i>Effective</i>	75
99	14:53	<i>Effective</i>	75
100	14:54	<i>Effective</i>	75
101	14:55	<i>Effective</i>	75
102	14:56	<i>Effective</i>	75
103	14:57	<i>Effective</i>	75
104	14:58	<i>Effective</i>	75
105	14:59	<i>Effective</i>	75
106	15:00	<i>Effective</i>	75

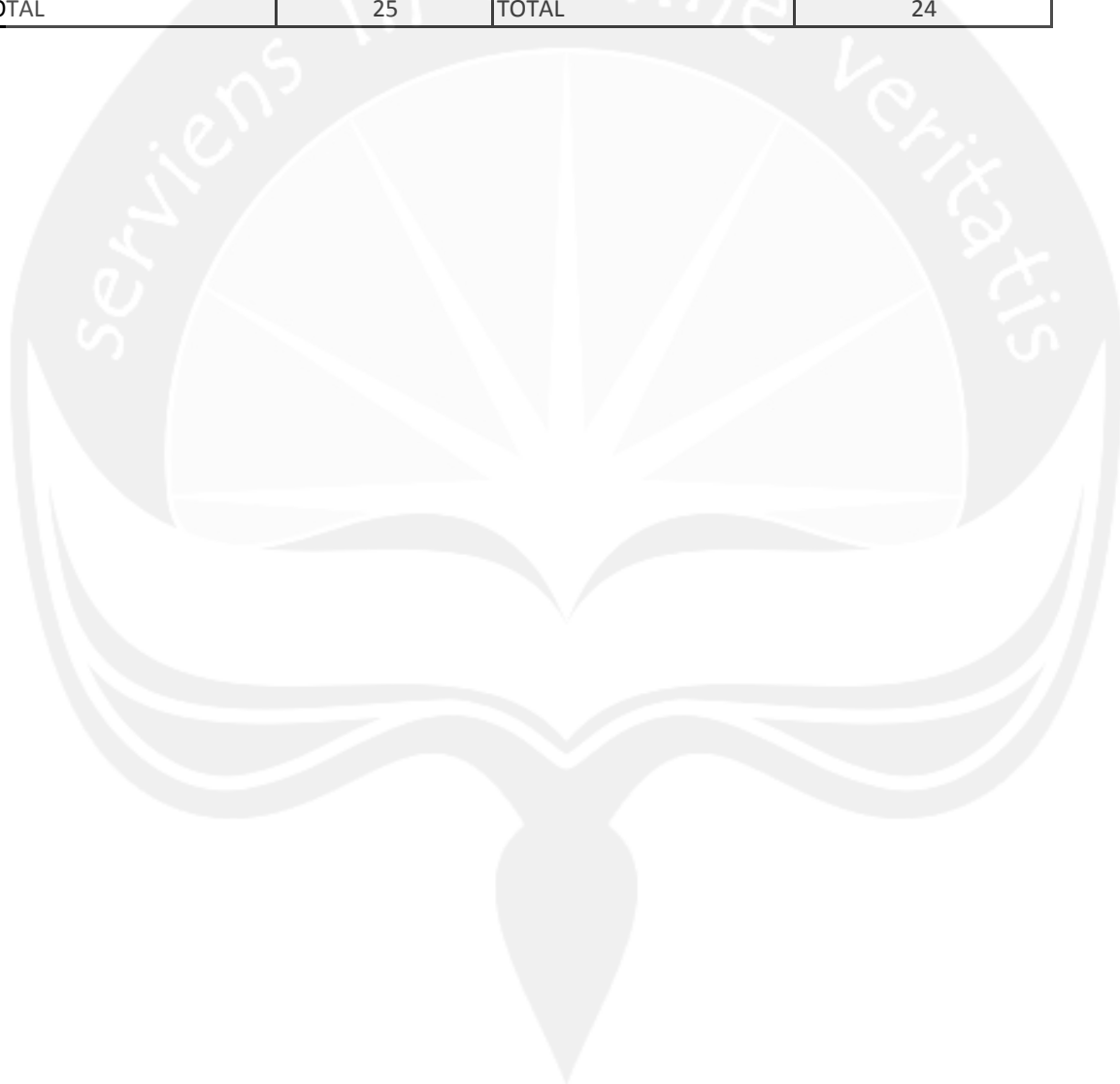
51	14:05	<i>Effective</i>	100
52	14:06	<i>Effective</i>	100
53	14:07	<i>Effective</i>	100
54	14:08	<i>Effective</i>	100
55	14:09	<i>Effective</i>	100
56	14:10	<i>Effective</i>	100
57	14:11	<i>Effective</i>	100
58	14:12	<i>Effective</i>	100
59	14:13	<i>Effective</i>	100
60	14:14	<i>Effective</i>	100
61	14:15	<i>Effective</i>	100
62	14:16	<i>Effective</i>	100
63	14:17	<i>Effective</i>	100
64	14:18	<i>Effective</i>	100
65	14:19	<i>Effective</i>	100
66	14:20	<i>Effective</i>	100
67	14:21	<i>Effective</i>	100
68	14:22	<i>Effective</i>	100
69	14:23	<i>Effective</i>	100
70	14:24	<i>Effective</i>	100
71	14:25	<i>Effective</i>	100
72	14:26	<i>Effective</i>	100
73	14:27	<i>Effective</i>	100
74	14:28	<i>Effective</i>	100
75	14:29	<i>Effective</i>	100
76	14:30	<i>Ineffective</i>	
77	14:31	<i>Ineffective</i>	
78	14:32	<i>Ineffective</i>	
79	14:33	<i>Ineffective</i>	
80	14:34	<i>Ineffective</i>	
81	14:35	<i>Ineffective</i>	
82	14:36	<i>Ineffective</i>	
83	14:37	<i>Ineffective</i>	
84	14:38	<i>Ineffective</i>	
85	14:39	<i>Ineffective</i>	
86	14:40	<i>Ineffective</i>	
87	14:41	<i>Ineffective</i>	
88	14:42	<i>Ineffective</i>	
89	14:43	<i>Ineffective</i>	
90	14:44	<i>Ineffective</i>	
91	14:45	<i>Ineffective</i>	
92	14:46	<i>Ineffective</i>	
93	14:47	<i>Ineffective</i>	
94	14:48	<i>Ineffective</i>	
95	14:49	<i>Ineffective</i>	
96	14:50	<i>Ineffective</i>	
97	14:51	<i>Ineffective</i>	
98	14:52	<i>Ineffective</i>	
99	14:53	<i>Ineffective</i>	
100	14:54	<i>Ineffective</i>	
101	14:55	<i>Ineffective</i>	
102	14:56	<i>Ineffective</i>	
103	14:57	<i>Ineffective</i>	
104	14:58	<i>Ineffective</i>	
105	14:59	<i>Ineffective</i>	
106	15:00	<i>Ineffective</i>	

107	15:01	<i>Effective</i>	75
108	15:02	<i>Effective</i>	75
109	15:03	<i>Effective</i>	75
110	15:04	<i>Effective</i>	75
111	15:05	<i>Effective</i>	75
112	15:06	<i>Effective</i>	75
113	15:07	<i>Effective</i>	75
114	15:08	<i>Effective</i>	75
115	15:09	<i>Effective</i>	75
116	15:10	<i>Effective</i>	75
117	15:11	<i>Effective</i>	75
118	15:12	<i>Effective</i>	75
119	15:13	<i>Ineffective</i>	
120	15:14	<i>Ineffective</i>	
121	15:15	<i>Ineffective</i>	
122	15:16	<i>Ineffective</i>	
123	15:17	<i>Ineffective</i>	
124	15:18	<i>Ineffective</i>	
125	15:19	<i>Ineffective</i>	
126	15:20	<i>Ineffective</i>	
127	15:21	<i>Ineffective</i>	
128	15:22	<i>Ineffective</i>	
129	15:23	<i>Ineffective</i>	
130	15:24	<i>Ineffective</i>	
131	15:25	<i>Ineffective</i>	
132	15:26	<i>Ineffective</i>	
133	15:27	<i>Ineffective</i>	
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>			101
<i>ineffective</i>			32
<i>total</i>			133

107	15:01	<i>Ineffective</i>	
108	15:02	<i>Ineffective</i>	
109	15:03	<i>Ineffective</i>	
110	15:04	<i>Ineffective</i>	
111	15:05	<i>Ineffective</i>	
112	15:06	<i>Effective</i>	100
113	15:07	<i>Effective</i>	100
114	15:08	<i>Effective</i>	100
115	15:09	<i>Effective</i>	100
116	15:10	<i>Effective</i>	100
117	15:11	<i>Effective</i>	100
118	15:12	<i>Effective</i>	100
119	15:13	<i>Effective</i>	100
120	15:14	<i>Effective</i>	100
121	15:15	<i>Effective</i>	100
122	15:16	<i>Effective</i>	100
123	15:17	<i>Effective</i>	100
124	15:18	<i>Effective</i>	100
125	15:19	<i>Effective</i>	100
126	15:20	<i>Effective</i>	100
127	15:21	<i>Effective</i>	100
128	15:22	<i>Effective</i>	100
129	15:23	<i>Effective</i>	100
130	15:24	<i>Effective</i>	100
131	15:25	<i>Effective</i>	100
132	15:26	<i>Effective</i>	100
133	15:27	<i>Effective</i>	100
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>			81
<i>ineffective</i>			52
<i>total</i>			133



RELAXATION ALLOWANCE			
No : 3b	Waktu Mulai : 13.15	Slamed R = 5.2 m2	
Tgg1 : 2 Nopember 2011	Waktu Selesai : 15.27	Ahmad = 7.54 m2	
PEKERJA			
Slamed R		Ahmad	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	5	Suhu	5
Tenaga	1	Tenaga	1
Kebosanan	2	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	25	TOTAL	24



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 2 NOPEMBER 2011							
Waktu Mulai : 13.15				Waktu Selesai : 15.27			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Slamed R	<i>effective</i>	101	75	75,75	25	94,6875	5,2
	<i>ineffective</i>	32					
	<i>total</i>	133	75	75,75			
Ahmad	<i>effective</i>	81	100	81	24	100,44	7,54
	<i>ineffective</i>	52					
	<i>total</i>	133	100	81			
Rata-rata						97,56375	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 2 NOPEMBER 2011					
Waktu Mulai : 13.15			Waktu Selesai : 15.27		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Slamed R	5,2	18,2091	0,3035	23,0653	0,043355
Ahmad	7,54	13,3210	0,2220	31,5293	0,031717
Rata-rata				27,2973	0,037536

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 4a		Waktu Mulai : 9.30			Slamed R = 5.1 m2				
TggL 3 Nopember 2011		Waktu Selesai : 11.39			Ahmad = 7.82 m2				
PEKERJA									
Slamed R					Ahmad				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	9:30	Ineffective		66	1	9:30	Effective	100	92
2	9:31	Ineffective			2	9:31	Effective	100	
3	9:32	Ineffective			3	9:32	Effective	100	
4	9:33	Ineffective			4	9:33	Effective	100	
5	9:34	Ineffective			5	9:34	Effective	100	
6	9:35	Ineffective			6	9:35	Effective	100	
7	9:36	Ineffective			7	9:36	Effective	100	
8	9:37	Ineffective			8	9:37	Effective	100	
9	9:38	Ineffective			9	9:38	Effective	100	
10	9:39	Ineffective			10	9:39	Effective	100	
11	9:40	Ineffective			11	9:40	Effective	100	
12	9:41	Ineffective			12	9:41	Effective	100	
13	9:42	Ineffective			13	9:42	Effective	100	
14	9:43	Ineffective			14	9:43	Effective	100	
15	9:44	Ineffective			15	9:44	Ineffective		
16	9:45	Ineffective			16	9:45	Ineffective		
17	9:46	Ineffective			17	9:46	Ineffective		
18	9:47	Ineffective			18	9:47	Ineffective		
19	9:48	Ineffective			19	9:48	Ineffective		
20	9:49	Ineffective			20	9:49	Effective	100	
21	9:50	Ineffective			21	9:50	Effective	100	
22	9:51	Effective	75		22	9:51	Effective	100	
23	9:52	Effective	75		23	9:52	Effective	100	
24	9:53	Effective	75		24	9:53	Effective	100	
25	9:54	Effective	75		25	9:54	Effective	100	
26	9:55	Ineffective			26	9:55	Effective	100	
27	9:56	Ineffective			27	9:56	Effective	100	
28	9:57	Ineffective			28	9:57	Effective	100	
29	9:58	Ineffective			29	9:58	Effective	100	
30	9:59	Effective	75		30	9:59	Effective	100	
31	10:00	Effective	75		31	10:00	Effective	100	
32	10:01	Effective	75		32	10:01	Effective	100	
33	10:02	Effective	75		33	10:02	Effective	100	
34	10:03	Effective	75		34	10:03	Effective	100	
35	10:04	Effective	75		35	10:04	Effective	100	
36	10:05	Effective	75		36	10:05	Effective	100	
37	10:06	Effective	75		37	10:06	Effective	100	
38	10:07	Effective	75		38	10:07	Effective	100	
39	10:08	Effective	75		39	10:08	Effective	100	
40	10:09	Effective	75		40	10:09	Effective	100	
41	10:10	Effective	75		41	10:10	Effective	100	
42	10:11	Effective	75		42	10:11	Effective	100	
43	10:12	Effective	75		43	10:12	Effective	100	
44	10:13	Effective	75		44	10:13	Effective	100	
45	10:14	Effective	75		45	10:14	Effective	100	
46	10:15	Effective	75		46	10:15	Effective	100	
47	10:16	Effective	75		47	10:16	Effective	100	
48	10:17	Effective	75		48	10:17	Effective	100	
49	10:18	Effective	75		49	10:18	Effective	100	
50	10:19	Effective	75		50	10:19	Effective	100	

51	10:20	Effective	75
52	10:21	Effective	75
53	10:22	Effective	75
54	10:23	Effective	75
55	10:24	Effective	75
56	10:25	Effective	75
57	10:26	Effective	75
58	10:27	Ineffective	
59	10:28	Ineffective	
60	10:29	Ineffective	
61	10:30	Ineffective	
62	10:31	Effective	75
63	10:32	Effective	75
64	10:33	Effective	75
65	10:34	Effective	75
66	10:35	Effective	75
67	10:36	Effective	75
68	10:37	Effective	75
69	10:38	Effective	75
70	10:39	Effective	75
71	10:40	Effective	75
72	10:41	Effective	75
73	10:42	Effective	75
74	10:43	Effective	75
75	10:44	Effective	75
76	10:45	Effective	75
77	10:46	Effective	75
78	10:47	Effective	75
79	10:48	Effective	75
80	10:49	Effective	75
81	10:50	Effective	75
82	10:51	Effective	75
83	10:52	Effective	75
84	10:53	Effective	75
85	10:54	Effective	75
86	10:55	Effective	75
87	10:56	Effective	75
88	10:57	Effective	75
89	10:58	Effective	75
90	10:59	Effective	75
91	11:00	Effective	75
92	11:01	Ineffective	
93	11:02	Ineffective	
94	11:03	Ineffective	
95	11:04	Ineffective	
96	11:05	Ineffective	
97	11:06	Ineffective	
98	11:07	Ineffective	
99	11:08	Ineffective	
100	11:09	Ineffective	
101	11:10	Ineffective	
102	11:11	Ineffective	
103	11:12	Ineffective	
104	11:13	Ineffective	
105	11:14	Effective	75
106	11:15	Effective	75

51	10:20	Effective	100
52	10:21	Effective	100
53	10:22	Effective	100
54	10:23	Ineffective	
55	10:24	Ineffective	
56	10:25	Ineffective	
57	10:26	Ineffective	
58	10:27	Ineffective	
59	10:28	Ineffective	
60	10:29	Ineffective	
61	10:30	Ineffective	
62	10:31	Ineffective	
63	10:32	Ineffective	
64	10:33	Ineffective	
65	10:34	Ineffective	
66	10:35	Ineffective	
67	10:36	Ineffective	
68	10:37	Ineffective	
69	10:38	Ineffective	
70	10:39	Ineffective	
71	10:40	Ineffective	
72	10:41	Ineffective	
73	10:42	Ineffective	
74	10:43	Ineffective	
75	10:44	Ineffective	
76	10:45	Ineffective	
77	10:46	Ineffective	
78	10:47	Ineffective	
79	10:48	Ineffective	
80	10:49	Ineffective	
81	10:50	Ineffective	
82	10:51	Ineffective	
83	10:52	Ineffective	
84	10:53	Ineffective	
85	10:54	Ineffective	
86	10:55	Ineffective	
87	10:56	Effective	100
88	10:57	Effective	100
89	10:58	Effective	100
90	10:59	Effective	100
91	11:00	Effective	100
92	11:01	Effective	100
93	11:02	Effective	100
94	11:03	Effective	100
95	11:04	Effective	100
96	11:05	Effective	100
97	11:06	Effective	100
98	11:07	Effective	100
99	11:08	Effective	100
100	11:09	Effective	100
101	11:10	Effective	100
102	11:11	Effective	100
103	11:12	Effective	100
104	11:13	Effective	100
105	11:14	Effective	100
106	11:15	Effective	100

107	11:16	Effective	75
108	11:17	Effective	75
109	11:18	Effective	75
110	11:19	Effective	75
111	11:20	Effective	75
112	11:21	Effective	75
113	11:22	Effective	75
114	11:23	Effective	75
115	11:24	Effective	75
116	11:25	Effective	75
117	11:26	Effective	75
118	11:27	Effective	75
119	11:28	Effective	75
120	11:29	Effective	75
121	11:30	Effective	75
122	11:31	Effective	75
123	11:32	Effective	75
124	11:33	Effective	75
125	11:34	Effective	75
126	11:35	Effective	75
127	11:36	Effective	75
128	11:37	Effective	75
129	11:38	Effective	75
130	11:39	Effective	75
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		88	
<i>ineffective</i>		42	
<i>total</i>		130	

107	11:16	Effective	100
108	11:17	Effective	100
109	11:18	Effective	100
110	11:19	Effective	100
111	11:20	Effective	100
112	11:21	Effective	100
113	11:22	Effective	100
114	11:23	Effective	100
115	11:24	Effective	100
116	11:25	Effective	100
117	11:26	Effective	100
118	11:27	Effective	100
119	11:28	Effective	100
120	11:29	Effective	100
121	11:30	Effective	100
122	11:31	Effective	100
123	11:32	Effective	100
124	11:33	Effective	100
125	11:34	Effective	100
126	11:35	Effective	100
127	11:36	Effective	100
128	11:37	Effective	100
129	11:38	Effective	100
130	11:39	Effective	100
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		92	
<i>ineffective</i>		38	
<i>total</i>		130	

RELAXATION ALLOWANCE			
No : 4a	Waktu Mulai : 9.30	Slamed R = 5.1 m2	
Tgg1 : 3 Nopember 2011	Waktu Selesai : 11.39	Ahmad = 7.82 m2	
PEKERJA			
Slamed R		Ahmad	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	5	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
TOTAL	21	TOTAL	18



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 3 NOPEMBER 2011							
Waktu Mulai : 9.30				Waktu Selesai : 11.39			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Slamed R	<i>effective</i>	88	75	66	21	79,86	5,1
	<i>ineffective</i>	42					
	<i>total</i>	130	75	66			
Ahmad	<i>effective</i>	92	100	92	18	108,56	7,82
	<i>ineffective</i>	38					
	<i>total</i>	130	100	92			
Rata-rata						94,21	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 3 NOPEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Slamed R	5,1	15,6588	0,2610	26,8219	0,037283
Ahmad	7,82	13,8824	0,2314	30,2542	0,033053
Rata-rata				28,5381	0,035168

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 4b		Waktu Mulai : 15.00			Slamed R = 5.2 m2				
TggL 3 Nopember 2011		Waktu Selesai : 17.14			Ahmad = 6.56 m2				
PEKERJA									
Slamed R					Ahmad				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	15:00	Effective	75	<b>62,25</b>	1	15:00	Effective	100	<b>75</b>
2	15:01	Effective	75		2	15:01	Effective	100	
3	15:02	Effective	75		3	15:02	Effective	100	
4	15:03	Effective	75		4	15:03	Effective	100	
5	15:04	Effective	75		5	15:04	Effective	100	
6	15:05	Effective	75		6	15:05	Effective	100	
7	15:06	Effective	75		7	15:06	Ineffective		
8	15:07	Effective	75		8	15:07	Ineffective		
9	15:08	Effective	75		9	15:08	Ineffective		
10	15:09	Effective	75		10	15:09	Ineffective		
11	15:10	Effective	75		11	15:10	Ineffective		
12	15:11	Effective	75		12	15:11	Ineffective		
13	15:12	Effective	75		13	15:12	Effective	100	
14	15:13	Effective	75		14	15:13	Effective	100	
15	15:14	Effective	75		15	15:14	Effective	100	
16	15:15	Effective	75		16	15:15	Effective	100	
17	15:16	Effective	75		17	15:16	Effective	100	
18	15:17	Effective	75		18	15:17	Effective	100	
19	15:18	Effective	75		19	15:18	Effective	100	
20	15:19	Effective	75		20	15:19	Effective	100	
21	15:20	Effective	75		21	15:20	Effective	100	
22	15:21	Effective	75		22	15:21	Effective	100	
23	15:22	Effective	75		23	15:22	Effective	100	
24	15:23	Effective	75		24	15:23	Effective	100	
25	15:24	Effective	75		25	15:24	Effective	100	
26	15:25	Effective	75		26	15:25	Effective	100	
27	15:26	Effective	75		27	15:26	Effective	100	
28	15:27	Effective	75		28	15:27	Effective	100	
29	15:28	Effective	75		29	15:28	Effective	100	
30	15:29	Effective	75		30	15:29	Effective	100	
31	15:30	Effective	75		31	15:30	Effective	100	
32	15:31	Effective	75		32	15:31	Effective	100	
33	15:32	Effective	75		33	15:32	Effective	100	
34	15:33	Effective	75		34	15:33	Effective	100	
35	15:34	Effective	75		35	15:34	Effective	100	
36	15:35	Effective	75		36	15:35	Effective	100	
37	15:36	Ineffective			37	15:36	Ineffective		
38	15:37	Ineffective			38	15:37	Ineffective		
39	15:38	Ineffective			39	15:38	Effective	100	
40	15:39	Ineffective			40	15:39	Effective	100	
41	15:40	Ineffective			41	15:40	Effective	100	
42	15:41	Ineffective			42	15:41	Effective	100	
43	15:42	Ineffective			43	15:42	Effective	100	
44	15:43	Ineffective			44	15:43	Effective	100	
45	15:44	Ineffective			45	15:44	Effective	100	
46	15:45	Ineffective			46	15:45	Effective	100	
47	15:46	Ineffective			47	15:46	Effective	100	
48	15:47	Ineffective			48	15:47	Effective	100	
49	15:48	Effective	75		49	15:48	Effective	100	
50	15:49	Effective	75		50	15:49	Effective	100	



51	15:50	<i>Effective</i>	75
52	15:51	<i>Effective</i>	75
53	15:52	<i>Effective</i>	75
54	15:53	<i>Effective</i>	75
55	15:54	<i>Effective</i>	75
56	15:55	<i>Effective</i>	75
57	15:56	<i>Effective</i>	75
58	15:57	<i>Effective</i>	75
59	15:58	<i>Effective</i>	75
60	15:59	<i>Effective</i>	75
61	16:00	<i>Effective</i>	75
62	16:01	<i>Effective</i>	75
63	16:02	<i>Effective</i>	75
64	16:03	<i>Effective</i>	75
65	16:04	<i>Effective</i>	75
66	16:05	<i>Effective</i>	75
67	16:06	<i>Effective</i>	75
68	16:07	<i>Effective</i>	75
69	16:08	<i>Effective</i>	75
70	16:09	<i>Effective</i>	75
71	16:10	<i>Ineffective</i>	
72	16:11	<i>Ineffective</i>	
73	16:12	<i>Ineffective</i>	
74	16:13	<i>Ineffective</i>	
75	16:14	<i>Ineffective</i>	
76	16:15	<i>Ineffective</i>	
77	16:16	<i>Ineffective</i>	
78	16:17	<i>Ineffective</i>	
79	16:18	<i>Ineffective</i>	
80	16:19	<i>Ineffective</i>	
81	16:20	<i>Ineffective</i>	
82	16:21	<i>Ineffective</i>	
83	16:22	<i>Ineffective</i>	
84	16:23	<i>Ineffective</i>	
85	16:24	<i>Ineffective</i>	
86	16:25	<i>Ineffective</i>	
87	16:26	<i>Ineffective</i>	
88	16:27	<i>Ineffective</i>	
89	16:28	<i>Ineffective</i>	
90	16:29	<i>Ineffective</i>	
91	16:30	<i>Ineffective</i>	
92	16:31	<i>Ineffective</i>	
93	16:32	<i>Ineffective</i>	
94	16:33	<i>Ineffective</i>	
95	16:34	<i>Ineffective</i>	
96	16:35	<i>Ineffective</i>	
97	16:36	<i>Ineffective</i>	
98	16:37	<i>Ineffective</i>	
99	16:38	<i>Ineffective</i>	
100	16:39	<i>Ineffective</i>	
101	16:40	<i>Ineffective</i>	
102	16:41	<i>Ineffective</i>	
103	16:42	<i>Ineffective</i>	
104	16:43	<i>Ineffective</i>	
105	16:44	<i>Ineffective</i>	
106	16:45	<i>Ineffective</i>	

51	15:50	<i>Effective</i>	100
52	15:51	<i>Effective</i>	100
53	15:52	<i>Ineffective</i>	
54	15:53	<i>Ineffective</i>	
55	15:54	<i>Ineffective</i>	
56	15:55	<i>Ineffective</i>	
57	15:56	<i>Ineffective</i>	
58	15:57	<i>Ineffective</i>	
59	15:58	<i>Ineffective</i>	
60	15:59	<i>Ineffective</i>	
61	16:00	<i>Ineffective</i>	
62	16:01	<i>Ineffective</i>	
63	16:02	<i>Effective</i>	100
64	16:03	<i>Effective</i>	100
65	16:04	<i>Effective</i>	100
66	16:05	<i>Effective</i>	100
67	16:06	<i>Effective</i>	100
68	16:07	<i>Effective</i>	100
69	16:08	<i>Effective</i>	100
70	16:09	<i>Effective</i>	100
71	16:10	<i>Effective</i>	100
72	16:11	<i>Effective</i>	100
73	16:12	<i>Effective</i>	100
74	16:13	<i>Effective</i>	100
75	16:14	<i>Effective</i>	100
76	16:15	<i>Effective</i>	100
77	16:16	<i>Effective</i>	100
78	16:17	<i>Effective</i>	100
79	16:18	<i>Effective</i>	100
80	16:19	<i>Effective</i>	100
81	16:20	<i>Effective</i>	100
82	16:21	<i>Effective</i>	100
83	16:22	<i>Effective</i>	100
84	16:23	<i>Effective</i>	100
85	16:24	<i>Effective</i>	100
86	16:25	<i>Effective</i>	100
87	16:26	<i>Effective</i>	100
88	16:27	<i>Effective</i>	100
89	16:28	<i>Effective</i>	100
90	16:29	<i>Effective</i>	100
91	16:30	<i>Effective</i>	100
92	16:31	<i>Effective</i>	100
93	16:32	<i>Effective</i>	100
94	16:33	<i>Ineffective</i>	
95	16:34	<i>Ineffective</i>	
96	16:35	<i>Ineffective</i>	
97	16:36	<i>Ineffective</i>	
98	16:37	<i>Ineffective</i>	
99	16:38	<i>Ineffective</i>	
100	16:39	<i>Ineffective</i>	
101	16:40	<i>Ineffective</i>	
102	16:41	<i>Ineffective</i>	
103	16:42	<i>Ineffective</i>	
104	16:43	<i>Ineffective</i>	
105	16:44	<i>Ineffective</i>	
106	16:45	<i>Ineffective</i>	

107	16:46	<i>Ineffective</i>	
108	16:47	<i>Ineffective</i>	
109	16:48	<i>Ineffective</i>	
110	16:49	<i>Ineffective</i>	
111	16:50	<i>Effective</i>	75
112	16:51	<i>Effective</i>	75
113	16:52	<i>Effective</i>	75
114	16:53	<i>Effective</i>	75
115	16:54	<i>Effective</i>	75
116	16:55	<i>Effective</i>	75
117	16:56	<i>Effective</i>	75
118	16:57	<i>Effective</i>	75
119	16:58	<i>Effective</i>	75
120	16:59	<i>Effective</i>	75
121	17:00	<i>Effective</i>	75
122	17:01	<i>Effective</i>	75
123	17:02	<i>Effective</i>	75
124	17:03	<i>Effective</i>	75
125	17:04	<i>Effective</i>	75
126	17:05	<i>Effective</i>	75
127	17:06	<i>Effective</i>	75
128	17:07	<i>Effective</i>	75
129	17:08	<i>Effective</i>	75
130	17:09	<i>Effective</i>	75
131	17:10	<i>Effective</i>	75
132	17:11	<i>Effective</i>	75
133	17:12	<i>Effective</i>	75
134	17:13	<i>Effective</i>	75
135	17:14	<i>Effective</i>	75
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>			83
<i>ineffective</i>			52
<i>total</i>			135

107	16:46	<i>Ineffective</i>	
108	16:47	<i>Ineffective</i>	
109	16:48	<i>Ineffective</i>	
110	16:49	<i>Ineffective</i>	
111	16:50	<i>Ineffective</i>	
112	16:51	<i>Ineffective</i>	
113	16:52	<i>Ineffective</i>	
114	16:53	<i>Ineffective</i>	
115	16:54	<i>Ineffective</i>	
116	16:55	<i>Ineffective</i>	
117	16:56	<i>Ineffective</i>	
118	16:57	<i>Ineffective</i>	
119	16:58	<i>Ineffective</i>	
120	16:59	<i>Ineffective</i>	
121	17:00	<i>Ineffective</i>	
122	17:01	<i>Ineffective</i>	
123	17:02	<i>Ineffective</i>	
124	17:03	<i>Ineffective</i>	
125	17:04	<i>Ineffective</i>	
126	17:05	<i>Ineffective</i>	
127	17:06	<i>Ineffective</i>	
128	17:07	<i>Ineffective</i>	
129	17:08	<i>Ineffective</i>	
130	17:09	<i>Ineffective</i>	
131	17:10	<i>Ineffective</i>	
132	17:11	<i>Ineffective</i>	
133	17:12	<i>Ineffective</i>	
134	17:13	<i>Ineffective</i>	
135	17:14	<i>Ineffective</i>	
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>			75
<i>ineffective</i>			60
<i>total</i>			135

RELAXATION ALLOWANCE			
No : 4b	Waktu Mulai : 15.00	Slamed R = 5.2 m2	
Tgg1 : 3 Nopember 2011	Waktu Selesai : 17.14	Ahmad = 6.56 m2	
PEKERJA			
Slamed R		Ahmad	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	4	Posisi Kerja	4
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	3
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	22	TOTAL	24



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 3 NOPEMBER 2011							
Waktu Mulai : 15.00			Waktu Selesai : 17.14				
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Slamed R	<i>effective</i>	83	75	62,25	22	75,945	5,2
	<i>ineffective</i>	52					
	<i>total</i>	135	75	62,25			
Ahmad	<i>effective</i>	75	100	75	24	93	6,56
	<i>ineffective</i>	60					
	<i>total</i>	135	100	75			
Rata-rata						84,4725	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 3 NOPEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Slamed R	5,2	14,6048	0,2434	28,7577	0,034773
Ahmad	6,56	14,1768	0,2363	29,6258	0,033754
Rata-rata				29,1917	0,034264

<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 4 NOVEMBER 2011							
Waktu Mulai : 9:25				Waktu Selesai : 11.36			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Usrih	<i>effective</i>	69	125	86,25	18	101,775	7,89
	<i>ineffective</i>	63					
	<i>total</i>	132	125	86,25			
Nurhadi	<i>effective</i>	72	100	72	21	87,12	6,64
	<i>ineffective</i>	60					
	<i>total</i>	132	100	72			
Rata-rata						94,4475	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 4 NOVEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Usrih	7,89	12,8992	0,2150	32,5601	0,030712
Nurhadi	6,64	13,1205	0,2187	32,0110	0,031239
Rata-rata				32,2855	0,030976

RELAXATION ALLOWANCE			
No : 5b	Waktu Mulai : 14:40	Usrih = 10.4 m2	
Tgg1 : 4 Nopember 2011	Waktu Selesai : 17:09	Nurhadi = 8.35 m2	
PEKERJA			
Usrih		Nurhadi	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	4	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	0
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	21	TOTAL	19



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 4 NOPEMBER 2011							
Waktu Mulai : 14:40			Waktu Selesai : 17:09				
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Usrih	<i>effective</i>	93	125	116,25	21	140,6625	10,4
	<i>ineffective</i>	57					
	<i>total</i>	150	125	116,25			
Nurhadi	<i>effective</i>	98	100	98	19	116,62	8,35
	<i>ineffective</i>	52					
	<i>total</i>	150	100	98			
Rata-rata						128,64125	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 4 NOPEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Usrih	10,4	13,5252	0,2254	31,0531	0,032203
Nurhadi	8,35	13,9665	0,2328	30,0720	0,033253
Rata-rata				30,5625	0,032728

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 5b		Waktu Mulai : 14:40			Usrih = 10.4 m2				
TggL 4 Nopember 2011		Waktu Selesai : 17:09			Nurhadi = 8.35 m2				
PEKERJA									
Usrih					Nurhadi				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	14:40	Effective	125	<b>116,25</b>	1	14:40	Ineffective		<b>93</b>
2	14:41	Effective	125		2	14:41	Ineffective		
3	14:42	Effective	125		3	14:42	Ineffective		
4	14:43	Effective	125		4	14:43	Ineffective		
5	14:44	Effective	125		5	14:44	Ineffective		
6	14:45	Effective	125		6	14:45	Ineffective		
7	14:46	Ineffective			7	14:46	Ineffective		
8	14:47	Ineffective			8	14:47	Ineffective		
9	14:48	Ineffective			9	14:48	Ineffective		
10	14:49	Ineffective			10	14:49	Ineffective		
11	14:50	Ineffective			11	14:50	Ineffective		
12	14:51	Effective	125		12	14:51	Ineffective		
13	14:52	Effective	125		13	14:52	Effective	100	
14	14:53	Effective	125		14	14:53	Effective	100	
15	14:54	Effective	125		15	14:54	Effective	100	
16	14:55	Effective	125		16	14:55	Effective	100	
17	14:56	Effective	125		17	14:56	Effective	100	
18	14:57	Effective	125		18	14:57	Effective	100	
19	14:58	Effective	125		19	14:58	Effective	100	
20	14:59	Effective	125		20	14:59	Effective	100	
21	15:00	Effective	125		21	15:00	Effective	100	
22	15:01	Effective	125		22	15:01	Effective	100	
23	15:02	Effective	125		23	15:02	Effective	100	
24	15:03	Effective	125		24	15:03	Effective	100	
25	15:04	Effective	125		25	15:04	Effective	100	
26	15:05	Effective	125		26	15:05	Effective	100	
27	15:06	Effective	125		27	15:06	Effective	100	
28	15:07	Effective	125		28	15:07	Effective	100	
29	15:08	Effective	125		29	15:08	Effective	100	
30	15:09	Effective	125		30	15:09	Effective	100	
31	15:10	Effective	125		31	15:10	Effective	100	
32	15:11	Ineffective			32	15:11	Effective	100	
33	15:12	Ineffective			33	15:12	Effective	100	
34	15:13	Ineffective			34	15:13	Effective	100	
35	15:14	Ineffective			35	15:14	Ineffective		
36	15:15	Ineffective			36	15:15	Ineffective		
37	15:16	Ineffective			37	15:16	Ineffective		
38	15:17	Ineffective			38	15:17	Ineffective		
39	15:18	Ineffective			39	15:18	Ineffective		
40	15:19	Ineffective			40	15:19	Ineffective		
41	15:20	Ineffective			41	15:20	Effective	100	
42	15:21	Ineffective			42	15:21	Effective	100	
43	15:22	Ineffective			43	15:22	Effective	100	
44	15:23	Ineffective			44	15:23	Effective	100	
45	15:24	Ineffective			45	15:24	Effective	100	
46	15:25	Ineffective			46	15:25	Effective	100	
47	15:26	Ineffective			47	15:26	Ineffective		
48	15:27	Ineffective			48	15:27	Ineffective		
49	15:28	Ineffective			49	15:28	Ineffective		
50	15:29	Ineffective			50	15:29	Effective	100	



51	15:30	Ineffective	
52	15:31	Ineffective	
53	15:32	Ineffective	
54	15:33	Ineffective	
55	15:34	Ineffective	
56	15:35	Ineffective	
57	15:36	Effective	125
58	15:37	Effective	125
59	15:38	Effective	125
60	15:39	Effective	125
61	15:40	Effective	125
62	15:41	Effective	125
63	15:42	Effective	125
64	15:43	Effective	125
65	15:44	Effective	125
66	15:45	Effective	125
67	15:46	Effective	125
68	15:47	Ineffective	
69	15:48	Ineffective	
70	15:49	Ineffective	
71	15:50	Effective	125
72	15:51	Effective	125
73	15:52	Effective	125
74	15:53	Effective	125
75	15:54	Effective	125
76	15:55	Effective	125
77	15:56	Effective	125
78	15:57	Effective	125
79	15:58	Effective	125
80	15:59	Effective	125
81	16:00	Effective	125
82	16:01	Effective	125
83	16:02	Effective	125
84	16:03	Effective	125
85	16:04	Effective	125
86	16:05	Effective	125
87	16:06	Effective	125
88	16:07	Effective	125
89	16:08	Effective	125
90	16:09	Effective	125
91	16:10	Effective	125
92	16:11	Effective	125
93	16:12	Effective	125
94	16:13	Effective	125
95	16:14	Effective	125
96	16:15	Effective	125
97	16:16	Effective	125
98	16:17	Effective	125
99	16:18	Effective	125
100	16:19	Effective	125
101	16:20	Effective	125
102	16:21	Effective	125
103	16:22	Effective	125
104	16:23	Effective	125
105	16:24	Effective	125
106	16:25	Effective	125

51	15:30	Effective	100
52	15:31	Effective	100
53	15:32	Effective	100
54	15:33	Effective	100
55	15:34	Effective	100
56	15:35	Effective	100
57	15:36	Ineffective	
58	15:37	Ineffective	
59	15:38	Ineffective	
60	15:39	Ineffective	
61	15:40	Ineffective	
62	15:41	Ineffective	
63	15:42	Ineffective	
64	15:43	Ineffective	
65	15:44	Ineffective	
66	15:45	Effective	100
67	15:46	Effective	100
68	15:47	Effective	100
69	15:48	Effective	100
70	15:49	Effective	100
71	15:50	Effective	100
72	15:51	Effective	100
73	15:52	Effective	100
74	15:53	Effective	100
75	15:54	Effective	100
76	15:55	Effective	100
77	15:56	Effective	100
78	15:57	Effective	100
79	15:58	Effective	100
80	15:59	Effective	100
81	16:00	Effective	100
82	16:01	Effective	100
83	16:02	Effective	100
84	16:03	Effective	100
85	16:04	Effective	100
86	16:05	Effective	100
87	16:06	Ineffective	
88	16:07	Ineffective	
89	16:08	Effective	100
90	16:09	Effective	100
91	16:10	Effective	100
92	16:11	Effective	100
93	16:12	Effective	100
94	16:13	Effective	100
95	16:14	Effective	100
96	16:15	Effective	100
97	16:16	Effective	100
98	16:17	Effective	100
99	16:18	Ineffective	
100	16:19	Ineffective	
101	16:20	Effective	100
102	16:21	Effective	100
103	16:22	Effective	100
104	16:23	Effective	100
105	16:24	Effective	100
106	16:25	Effective	100

107	16:26	<i>Ineffective</i>	
108	16:27	<i>Ineffective</i>	
109	16:28	<i>Ineffective</i>	
110	16:29	<i>Ineffective</i>	
111	16:30	<i>Ineffective</i>	
112	16:31	<i>Ineffective</i>	
113	16:32	<i>Ineffective</i>	
114	16:33	<i>Ineffective</i>	
115	16:34	<i>Ineffective</i>	
116	16:35	<i>Ineffective</i>	
117	16:36	<i>Ineffective</i>	
118	16:37	<i>Ineffective</i>	
119	16:38	<i>Ineffective</i>	
120	16:39	<i>Ineffective</i>	
121	16:40	<i>Effective</i>	125
122	16:41	<i>Effective</i>	125
123	16:42	<i>Effective</i>	125
124	16:43	<i>Effective</i>	125
125	16:44	<i>Effective</i>	125
126	16:45	<i>Effective</i>	125
127	16:46	<i>Effective</i>	125
128	16:47	<i>Effective</i>	125
129	16:48	<i>Effective</i>	125
130	16:49	<i>Effective</i>	125
131	16:50	<i>Effective</i>	125
132	16:51	<i>Ineffective</i>	
133	16:52	<i>Ineffective</i>	
134	16:53	<i>Ineffective</i>	
135	16:54	<i>Effective</i>	125
136	16:55	<i>Effective</i>	125
137	16:56	<i>Effective</i>	125
138	16:57	<i>Ineffective</i>	
139	16:58	<i>Ineffective</i>	
140	16:59	<i>Ineffective</i>	
141	17:00	<i>Ineffective</i>	
142	17:01	<i>Effective</i>	125
143	17:02	<i>Effective</i>	125
144	17:03	<i>Effective</i>	125
145	17:04	<i>Effective</i>	125
146	17:05	<i>Effective</i>	125
147	17:06	<i>Effective</i>	125
148	17:07	<i>Ineffective</i>	
149	17:08	<i>Ineffective</i>	
150	17:09	<i>Ineffective</i>	
		<i>effective</i>	93
		<i>ineffective</i>	57
		<i>total</i>	150

107	16:26	<i>Effective</i>	100
108	16:27	<i>Effective</i>	100
109	16:28	<i>Effective</i>	100
110	16:29	<i>Effective</i>	100
111	16:30	<i>Effective</i>	100
112	16:31	<i>Effective</i>	100
113	16:32	<i>Ineffective</i>	
114	16:33	<i>Ineffective</i>	
115	16:34	<i>Ineffective</i>	
116	16:35	<i>Ineffective</i>	
117	16:36	<i>Ineffective</i>	
118	16:37	<i>Ineffective</i>	
119	16:38	<i>Ineffective</i>	
120	16:39	<i>Ineffective</i>	
121	16:40	<i>Ineffective</i>	
122	16:41	<i>Ineffective</i>	
123	16:42	<i>Ineffective</i>	
124	16:43	<i>Ineffective</i>	
125	16:44	<i>Ineffective</i>	
126	16:45	<i>Ineffective</i>	
127	16:46	<i>Ineffective</i>	
128	16:47	<i>Ineffective</i>	
129	16:48	<i>Ineffective</i>	
130	16:49	<i>Ineffective</i>	
131	16:50	<i>Effective</i>	100
132	16:51	<i>Effective</i>	100
133	16:52	<i>Effective</i>	100
134	16:53	<i>Effective</i>	100
135	16:54	<i>Effective</i>	100
136	16:55	<i>Effective</i>	100
137	16:56	<i>Effective</i>	100
138	16:57	<i>Effective</i>	100
139	16:58	<i>Effective</i>	100
140	16:59	<i>Effective</i>	100
141	17:00	<i>Effective</i>	100
142	17:01	<i>Effective</i>	100
143	17:02	<i>Effective</i>	100
144	17:03	<i>Effective</i>	100
145	17:04	<i>Effective</i>	100
146	17:05	<i>Effective</i>	100
147	17:06	<i>Effective</i>	100
148	17:07	<i>Effective</i>	100
149	17:08	<i>Effective</i>	100
150	17:09	<i>Effective</i>	100
		<i>effective</i>	98
		<i>ineffective</i>	52
		<i>total</i>	150

RELAXATION ALLOWANCE			
No : 6a	Waktu Mulai : 8:50	Usrih = 9.1 m2	
Tgg1 : 5 Nopember 2011	Waktu Selesai : 10:58	Nurhadi = 7.12 m2	
PEKERJA			
Usrih		Nurhadi	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	5	Posisi Kerja	4
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
TOTAL	22	TOTAL	21



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 5 NOPEMBER 2011							
Waktu Mulai : 8:50				Waktu Selesai : 10:58			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Usrih	<i>effective</i>	80	125	100	22	122	9,1
	<i>ineffective</i>	49					
	<i>total</i>	129	125	100			
Nurhadi	<i>effective</i>	98	100	98	21	118,58	7,12
	<i>ineffective</i>	31					
	<i>total</i>	129	100	98			
Rata-rata						120,29	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 5 NOPEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Usrih	9,1	13,4066	0,2234	31,3279	0,03192
Nurhadi	7,12	16,6545	0,2776	25,2184	0,039654
Rata-rata				28,2731	0,035787

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 6a		Waktu Mulai : 8:50			Usrih = 9.1 m2				
TggL 5 Nopember 2011		Waktu Selesai : 10:58			Nurhadi = 7.12 m2				
PEKERJA									
Usrih					Nurhadi				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	8:50	Effective	125	<b>100</b>	1	8:50	Effective	100	<b>98</b>
2	8:51	Effective	125		2	8:51	Effective	100	
3	8:52	Effective	125		3	8:52	Effective	100	
4	8:53	Effective	125		4	8:53	Effective	100	
5	8:54	Effective	125		5	8:54	Effective	100	
6	8:55	Effective	125		6	8:55	Effective	100	
7	8:56	Ineffective			7	8:56	Effective	100	
8	8:57	Effective	125		8	8:57	Ineffective		
9	8:58	Effective	125		9	8:58	Ineffective		
10	8:59	Effective	125		10	8:59	Ineffective		
11	9:00	Effective	125		11	9:00	Ineffective		
12	9:01	Effective	125		12	9:01	Ineffective		
13	9:02	Effective	125		13	9:02	Ineffective		
14	9:03	Effective	125		14	9:03	Ineffective		
15	9:04	Effective	125		15	9:04	Ineffective		
16	9:05	Ineffective			16	9:05	Effective	100	
17	9:06	Ineffective			17	9:06	Effective	100	
18	9:07	Ineffective			18	9:07	Effective	100	
19	9:08	Ineffective			19	9:08	Effective	100	
20	9:09	Ineffective			20	9:09	Effective	100	
21	9:10	Ineffective			21	9:10	Effective	100	
22	9:11	Ineffective			22	9:11	Effective	100	
23	9:12	Ineffective			23	9:12	Effective	100	
24	9:13	Ineffective			24	9:13	Ineffective		
25	9:14	Ineffective			25	9:14	Ineffective		
26	9:15	Ineffective			26	9:15	Effective	100	
27	9:16	Effective	125		27	9:16	Effective	100	
28	9:17	Effective	125		28	9:17	Effective	100	
29	9:18	Effective	125		29	9:18	Effective	100	
30	9:19	Effective	125		30	9:19	Effective	100	
31	9:20	Effective	125		31	9:20	Effective	100	
32	9:21	Ineffective			32	9:21	Effective	100	
33	9:22	Ineffective			33	9:22	Effective	100	
34	9:23	Effective	125		34	9:23	Effective	100	
35	9:24	Effective	125		35	9:24	Effective	100	
36	9:25	Effective	125		36	9:25	Effective	100	
37	9:26	Effective	125		37	9:26	Effective	100	
38	9:27	Effective	125		38	9:27	Effective	100	
39	9:28	Effective	125		39	9:28	Effective	100	
40	9:29	Effective	125		40	9:29	Ineffective		
41	9:30	Effective	125		41	9:30	Ineffective		
42	9:31	Effective	125		42	9:31	Ineffective		
43	9:32	Ineffective			43	9:32	Ineffective		
44	9:33	Ineffective			44	9:33	Effective	100	
45	9:34	Ineffective			45	9:34	Effective	100	
46	9:35	Ineffective			46	9:35	Effective	100	
47	9:36	Ineffective			47	9:36	Effective	100	
48	9:37	Ineffective			48	9:37	Effective	100	
49	9:38	Ineffective			49	9:38	Effective	100	
50	9:39	Effective	125		50	9:39	Ineffective		

51	9:40	Effective	125
52	9:41	Effective	125
53	9:42	Effective	125
54	9:43	Effective	125
55	9:44	Effective	125
56	9:45	Effective	125
57	9:46	Effective	125
58	9:47	Effective	125
59	9:48	Effective	125
60	9:49	Effective	125
61	9:50	Effective	125
62	9:51	Effective	125
63	9:52	Effective	125
64	9:53	Effective	125
65	9:54	Effective	125
66	9:55	Effective	125
67	9:56	Ineffective	
68	9:57	Ineffective	
69	9:58	Ineffective	
70	9:59	Ineffective	
71	10:00	Ineffective	
72	10:01	Ineffective	
73	10:02	Ineffective	
74	10:03	Ineffective	
75	10:04	Ineffective	
76	10:05	Ineffective	
77	10:06	Ineffective	
78	10:07	Ineffective	
79	10:08	Ineffective	
80	10:09	Ineffective	
81	10:10	Effective	125
82	10:11	Effective	125
83	10:12	Effective	125
84	10:13	Effective	125
85	10:14	Effective	125
86	10:15	Effective	125
87	10:16	Effective	125
88	10:17	Effective	125
89	10:18	Effective	125
90	10:19	Effective	125
91	10:20	Effective	125
92	10:21	Effective	125
93	10:22	Effective	125
94	10:23	Effective	125
95	10:24	Effective	125
96	10:25	Effective	125
97	10:26	Effective	125
98	10:27	Effective	125
99	10:28	Effective	125
100	10:29	Effective	125
101	10:30	Effective	125
102	10:31	Effective	125
103	10:32	Effective	125
104	10:33	Effective	125
105	10:34	Effective	125
106	10:35	Effective	125

51	9:40	Ineffective	
52	9:41	Ineffective	
53	9:42	Effective	100
54	9:43	Effective	100
55	9:44	Effective	100
56	9:45	Effective	100
57	9:46	Effective	100
58	9:47	Effective	100
59	9:48	Effective	100
60	9:49	Ineffective	
61	9:50	Ineffective	
62	9:51	Effective	100
63	9:52	Effective	100
64	9:53	Effective	100
65	9:54	Effective	100
66	9:55	Effective	100
67	9:56	Ineffective	
68	9:57	Ineffective	
69	9:58	Effective	100
70	9:59	Effective	100
71	10:00	Effective	100
72	10:01	Effective	100
73	10:02	Ineffective	
74	10:03	Effective	100
75	10:04	Effective	100
76	10:05	Effective	100
77	10:06	Effective	100
78	10:07	Effective	100
79	10:08	Effective	100
80	10:09	Effective	100
81	10:10	Effective	100
82	10:11	Effective	100
83	10:12	Ineffective	
84	10:13	Ineffective	
85	10:14	Effective	100
86	10:15	Effective	100
87	10:16	Effective	100
88	10:17	Effective	100
89	10:18	Effective	100
90	10:19	Effective	100
91	10:20	Effective	100
92	10:21	Effective	100
93	10:22	Effective	100
94	10:23	Effective	100
95	10:24	Effective	100
96	10:25	Ineffective	
97	10:26	Ineffective	
98	10:27	Ineffective	
99	10:28	Effective	100
100	10:29	Effective	100
101	10:30	Effective	100
102	10:31	Effective	100
103	10:32	Effective	100
104	10:33	Effective	100
105	10:34	Effective	100
106	10:35	Effective	100

107	10:36	Effective	125
108	10:37	Effective	125
109	10:38	Effective	125
110	10:39	Effective	125
111	10:40	Effective	125
112	10:41	Effective	125
113	10:42	Effective	125
114	10:43	Effective	125
115	10:44	Effective	125
116	10:45	Ineffective	
117	10:46	Ineffective	
118	10:47	Ineffective	
119	10:48	Ineffective	
120	10:49	Ineffective	
121	10:50	Ineffective	
122	10:51	Ineffective	
123	10:52	Ineffective	
124	10:53	Ineffective	
125	10:54	Ineffective	
126	10:55	Ineffective	
127	10:56	Ineffective	
128	10:57	Ineffective	
129	10:58	Ineffective	
130			
131			
132			
133			
134			
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136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		80	
<i>ineffective</i>		49	
<i>total</i>		129	

107	10:36	Effective	100
108	10:37	Effective	100
109	10:38	Effective	100
110	10:39	Effective	100
111	10:40	Ineffective	
112	10:41	Ineffective	
113	10:42	Ineffective	
114	10:43	Ineffective	
115	10:44	Effective	100
116	10:45	Effective	100
117	10:46	Effective	100
118	10:47	Effective	100
119	10:48	Effective	100
120	10:49	Effective	100
121	10:50	Effective	100
122	10:51	Effective	100
123	10:52	Effective	100
124	10:53	Effective	100
125	10:54	Effective	100
126	10:55	Effective	100
127	10:56	Effective	100
128	10:57	Effective	100
129	10:58	Effective	100
130			
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		98	
<i>ineffective</i>		31	
<i>total</i>		129	

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 6b		Waktu Mulai : 14:10			Usrih = 8.83 m2				
TggL 5 Nopember 2011		Waktu Selesai : 16.25			Nurhadi = 6.91 m2				
PEKERJA									
Usrih					Nurhadi				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	14:10	Ineffective		<b>110</b>	1	14:10	Effective	100	<b>92</b>
2	14:11	Ineffective			2	14:11	Effective	100	
3	14:12	Ineffective			3	14:12	Effective	100	
4	14:13	Ineffective			4	14:13	Effective	100	
5	14:14	Ineffective			5	14:14	Effective	100	
6	14:15	Ineffective			6	14:15	Effective	100	
7	14:16	Effective	125		7	14:16	Effective	100	
8	14:17	Effective	125		8	14:17	Effective	100	
9	14:18	Effective	125		9	14:18	Effective	100	
10	14:19	Effective	125		10	14:19	Effective	100	
11	14:20	Effective	125		11	14:20	Effective	100	
12	14:21	Effective	125		12	14:21	Ineffective		
13	14:22	Effective	125		13	14:22	Ineffective		
14	14:23	Effective	125		14	14:23	Ineffective		
15	14:24	Effective	125		15	14:24	Ineffective		
16	14:25	Effective	125		16	14:25	Ineffective		
17	14:26	Effective	125		17	14:26	Ineffective		
18	14:27	Effective	125		18	14:27	Ineffective		
19	14:28	Ineffective			19	14:28	Ineffective		
20	14:29	Ineffective			20	14:29	Ineffective		
21	14:30	Effective	125		21	14:30	Ineffective		
22	14:31	Effective	125		22	14:31	Effective	100	
23	14:32	Effective	125		23	14:32	Effective	100	
24	14:33	Effective	125		24	14:33	Effective	100	
25	14:34	Effective	125		25	14:34	Effective	100	
26	14:35	Ineffective			26	14:35	Effective	100	
27	14:36	Ineffective			27	14:36	Effective	100	
28	14:37	Ineffective			28	14:37	Effective	100	
29	14:38	Effective	125		29	14:38	Effective	100	
30	14:39	Effective	125		30	14:39	Effective	100	
31	14:40	Effective	125		31	14:40	Effective	100	
32	14:41	Effective	125		32	14:41	Effective	100	
33	14:42	Effective	125		33	14:42	Ineffective		
34	14:43	Effective	125		34	14:43	Ineffective		
35	14:44	Effective	125		35	14:44	Ineffective		
36	14:45	Effective	125		36	14:45	Ineffective		
37	14:46	Effective	125		37	14:46	Effective	100	
38	14:47	Effective	125		38	14:47	Effective	100	
39	14:48	Effective	125		39	14:48	Effective	100	
40	14:49	Effective	125		40	14:49	Effective	100	
41	14:50	Effective	125		41	14:50	Effective	100	
42	14:51	Effective	125		42	14:51	Effective	100	
43	14:52	Effective	125		43	14:52	Effective	100	
44	14:53	Effective	125		44	14:53	Effective	100	
45	14:54	Effective	125		45	14:54	Effective	100	
46	14:55	Effective	125		46	14:55	Effective	100	
47	14:56	Ineffective			47	14:56	Effective	100	
48	14:57	Ineffective			48	14:57	Effective	100	
49	14:58	Ineffective			49	14:58	Effective	100	
50	14:59	Ineffective			50	14:59	Effective	100	



51	15:00	Effective	125
52	15:01	Effective	125
53	15:02	Effective	125
54	15:03	Effective	125
55	15:04	Effective	125
56	15:05	Effective	125
57	15:06	Effective	125
58	15:07	Effective	125
59	15:08	Effective	125
60	15:09	Effective	125
61	15:10	Effective	125
62	15:11	Effective	125
63	15:12	Effective	125
64	15:13	Effective	125
65	15:14	Effective	125
66	15:15	Effective	125
67	15:16	Effective	125
68	15:17	Effective	125
69	15:18	Effective	125
70	15:19	Ineffective	
71	15:20	Ineffective	
72	15:21	Ineffective	
73	15:22	Ineffective	
74	15:23	Ineffective	
75	15:24	Ineffective	
76	15:25	Ineffective	
77	15:26	Ineffective	
78	15:27	Ineffective	
79	15:28	Ineffective	
80	15:29	Ineffective	
81	15:30	Ineffective	
82	15:31	Ineffective	
83	15:32	Ineffective	
84	15:33	Ineffective	
85	15:34	Ineffective	
86	15:35	Ineffective	
87	15:36	Ineffective	
88	15:37	Effective	125
89	15:38	Effective	125
90	15:39	Effective	125
91	15:40	Effective	125
92	15:41	Effective	125
93	15:42	Effective	125
94	15:43	Effective	125
95	15:44	Effective	125
96	15:45	Effective	125
97	15:46	Effective	125
98	15:47	Effective	125
99	15:48	Effective	125
100	15:49	Effective	125
101	15:50	Effective	125
102	15:51	Effective	125
103	15:52	Effective	125
104	15:53	Effective	125
105	15:54	Effective	125
106	15:55	Effective	125

51	15:00	Effective	100
52	15:01	Effective	100
53	15:02	Effective	100
54	15:03	Effective	100
55	15:04	Effective	100
56	15:05	Ineffective	
57	15:06	Ineffective	
58	15:07	Ineffective	
59	15:08	Ineffective	
60	15:09	Effective	100
61	15:10	Effective	100
62	15:11	Effective	100
63	15:12	Ineffective	
64	15:13	Ineffective	
65	15:14	Effective	100
66	15:15	Effective	100
67	15:16	Effective	100
68	15:17	Effective	100
69	15:18	Effective	100
70	15:19	Effective	100
71	15:20	Effective	100
72	15:21	Effective	100
73	15:22	Effective	100
74	15:23	Effective	100
75	15:24	Effective	100
76	15:25	Effective	100
77	15:26	Effective	100
78	15:27	Effective	100
79	15:28	Effective	100
80	15:29	Effective	100
81	15:30	Effective	100
82	15:31	Effective	100
83	15:32	Effective	100
84	15:33	Effective	100
85	15:34	Effective	100
86	15:35	Ineffective	
87	15:36	Ineffective	
88	15:37	Ineffective	
89	15:38	Ineffective	
90	15:39	Ineffective	
91	15:40	Effective	100
92	15:41	Effective	100
93	15:42	Effective	100
94	15:43	Effective	100
95	15:44	Effective	100
96	15:45	Effective	100
97	15:46	Effective	100
98	15:47	Effective	100
99	15:48	Effective	100
100	15:49	Effective	100
101	15:50	Effective	100
102	15:51	Effective	100
103	15:52	Effective	100
104	15:53	Ineffective	
105	15:54	Ineffective	
106	15:55	Ineffective	

107	15:56	Effective	125
108	15:57	Ineffective	
109	15:58	Ineffective	
110	15:59	Effective	125
111	16:00	Effective	125
112	16:01	Effective	125
113	16:02	Effective	125
114	16:03	Effective	125
115	16:04	Effective	125
116	16:05	Effective	125
117	16:06	Effective	125
118	16:07	Ineffective	
119	16:08	Ineffective	
120	16:09	Ineffective	
121	16:10	Ineffective	
122	16:11	Ineffective	
123	16:12	Ineffective	
124	16:13	Ineffective	
125	16:14	Effective	125
126	16:15	Effective	125
127	16:16	Effective	125
128	16:17	Effective	125
129	16:18	Effective	125
130	16:19	Effective	125
131	16:20	Ineffective	
132	16:21	Ineffective	
133	16:22	Ineffective	
134	16:23	Ineffective	
135	16:24	Ineffective	
136	16:25	Ineffective	
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		88	
<i>ineffective</i>		48	
<i>total</i>		136	

107	15:56	Ineffective	
108	15:57	Ineffective	
109	15:58	Ineffective	
110	15:59	Ineffective	
111	16:00	Ineffective	
112	16:01	Ineffective	
113	16:02	Ineffective	
114	16:03	Ineffective	
115	16:04	Ineffective	
116	16:05	Ineffective	
117	16:06	Ineffective	
118	16:07	Ineffective	
119	16:08	Ineffective	
120	16:09	Ineffective	
121	16:10	Ineffective	
122	16:11	Ineffective	
123	16:12	Effective	100
124	16:13	Effective	100
125	16:14	Effective	100
126	16:15	Effective	100
127	16:16	Effective	100
128	16:17	Effective	100
129	16:18	Effective	100
130	16:19	Effective	100
131	16:20	Effective	100
132	16:21	Effective	100
133	16:22	Effective	100
134	16:23	Effective	100
135	16:24	Effective	100
136	16:25	Effective	100
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		92	
<i>ineffective</i>		44	
<i>total</i>		136	

RELAXATION ALLOWANCE			
No : 6b	Waktu Mulai : 14:10	Usrih = 8.83 m2	
Tgg1 : 5 Nopember 2011	Waktu Selesai : 16.25	Nurhadi = 6.91 m2	
PEKERJA			
Usrih		Nurhadi	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	2	Kebisingan	2
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	2	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	21	TOTAL	20



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 5 NOPEMBER 2011							
Waktu Mulai : 14:10				Waktu Selesai : 16.25			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Usrih	<i>effective</i>	88	125	110	21	133,1	8,83
	<i>ineffective</i>	48					
	<i>total</i>	136	125	110			
Nurhadi	<i>effective</i>	92	100	92	20	110,4	6,91
	<i>ineffective</i>	44					
	<i>total</i>	136	100	92			
Rata-rata						121,75	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 5 NOPEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Usrih	8,83	15,0736	0,2512	27,8633	0,03589
Nurhadi	6,91	15,9768	0,2663	26,2880	0,03804
Rata-rata				27,0757	0,036965

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 7a		Waktu Mulai : 08:35			Usrih = 8.29 m2				
TggL 8 Nopember 2011		Waktu Selesai : 10:49			Nurhadi = 6.25 m2				
PEKERJA									
Usrih					Nurhadi				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	8:35	Effective	125	<b>118,75</b>	1	8:35	Ineffective		<b>75</b>
2	8:36	Effective	125		2	8:36	Ineffective		
3	8:37	Effective	125		3	8:37	Ineffective		
4	8:38	Effective	125		4	8:38	Ineffective		
5	8:39	Effective	125		5	8:39	Ineffective		
6	8:40	Effective	125		6	8:40	Ineffective		
7	8:41	Effective	125		7	8:41	Ineffective		
8	8:42	Effective	125		8	8:42	Ineffective		
9	8:43	Effective	125		9	8:43	Ineffective		
10	8:44	Effective	125		10	8:44	Ineffective		
11	8:45	Effective	125		11	8:45	Ineffective		
12	8:46	Effective	125		12	8:46	Ineffective		
13	8:47	Effective	125		13	8:47	Ineffective		
14	8:48	Ineffective			14	8:48	Ineffective		
15	8:49	Ineffective			15	8:49	Ineffective		
16	8:50	Ineffective			16	8:50	Ineffective		
17	8:51	Ineffective			17	8:51	Ineffective		
18	8:52	Ineffective			18	8:52	Ineffective		
19	8:53	Ineffective			19	8:53	Ineffective		
20	8:54	Ineffective			20	8:54	Ineffective		
21	8:55	Effective	125		21	8:55	Ineffective		
22	8:56	Effective	125		22	8:56	Ineffective		
23	8:57	Effective	125		23	8:57	Ineffective		
24	8:58	Effective	125		24	8:58	Ineffective		
25	8:59	Ineffective			25	8:59	Ineffective		
26	9:00	Ineffective			26	9:00	Ineffective		
27	9:01	Effective	125		27	9:01	Ineffective		
28	9:02	Effective	125		28	9:02	Ineffective		
29	9:03	Effective	125		29	9:03	Ineffective		
30	9:04	Effective	125		30	9:04	Ineffective		
31	9:05	Effective	125		31	9:05	Ineffective		
32	9:06	Effective	125		32	9:06	Ineffective		
33	9:07	Effective	125		33	9:07	Ineffective		
34	9:08	Effective	125		34	9:08	Ineffective		
35	9:09	Effective	125		35	9:09	Ineffective		
36	9:10	Effective	125		36	9:10	Effective	100	
37	9:11	Ineffective			37	9:11	Effective	100	
38	9:12	Ineffective			38	9:12	Effective	100	
39	9:13	Ineffective			39	9:13	Effective	100	
40	9:14	Effective	125		40	9:14	Effective	100	
41	9:15	Effective	125		41	9:15	Effective	100	
42	9:16	Effective	125		42	9:16	Effective	100	
43	9:17	Effective	125		43	9:17	Effective	100	
44	9:18	Effective	125		44	9:18	Effective	100	
45	9:19	Effective	125		45	9:19	Effective	100	
46	9:20	Effective	125		46	9:20	Effective	100	
47	9:21	Ineffective			47	9:21	Effective	100	
48	9:22	Ineffective			48	9:22	Effective	100	
49	9:23	Ineffective			49	9:23	Effective	100	
50	9:24	Ineffective			50	9:24	Effective	100	

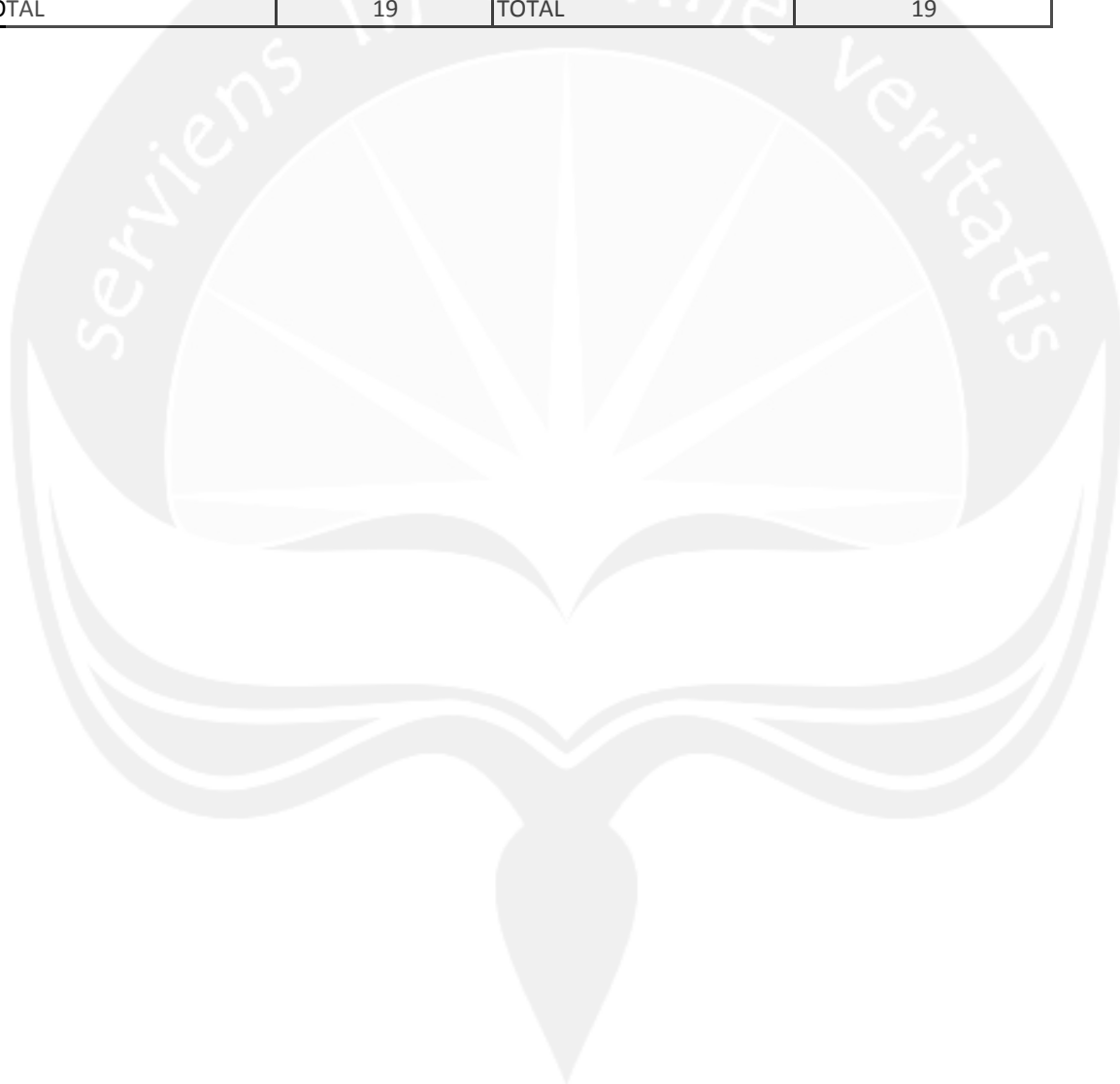
51	9:25	Effective	125
52	9:26	Effective	125
53	9:27	Effective	125
54	9:28	Effective	125
55	9:29	Effective	125
56	9:30	Effective	125
57	9:31	Effective	125
58	9:32	Effective	125
59	9:33	Effective	125
60	9:34	Effective	125
61	9:35	Effective	125
62	9:36	Effective	125
63	9:37	Effective	125
64	9:38	Effective	125
65	9:39	Effective	125
66	9:40	Effective	125
67	9:41	Effective	125
68	9:42	Effective	125
69	9:43	Effective	125
70	9:44	Effective	125
71	9:45	Effective	125
72	9:46	Effective	125
73	9:47	Effective	125
74	9:48	Effective	125
75	9:49	Effective	125
76	9:50	Effective	125
77	9:51	Effective	125
78	9:52	Effective	125
79	9:53	Ineffective	
80	9:54	Ineffective	
81	9:55	Ineffective	
82	9:56	Ineffective	
83	9:57	Ineffective	
84	9:58	Ineffective	
85	9:59	Ineffective	
86	10:00	Ineffective	
87	10:01	Ineffective	
88	10:02	Ineffective	
89	10:03	Ineffective	
90	10:04	Ineffective	
91	10:05	Ineffective	
92	10:06	Ineffective	
93	10:07	Ineffective	
94	10:08	Ineffective	
95	10:09	Ineffective	
96	10:10	Ineffective	
97	10:11	Effective	125
98	10:12	Effective	125
99	10:13	Effective	125
100	10:14	Effective	125
101	10:15	Effective	125
102	10:16	Effective	125
103	10:17	Effective	125
104	10:18	Effective	125
105	10:19	Effective	125
106	10:20	Effective	125

51	9:25	Effective	100
52	9:26	Effective	100
53	9:27	Effective	100
54	9:28	Effective	100
55	9:29	Effective	100
56	9:30	Effective	100
57	9:31	Effective	100
58	9:32	Effective	100
59	9:33	Effective	100
60	9:34	Effective	100
61	9:35	Effective	100
62	9:36	Effective	100
63	9:37	Effective	100
64	9:38	Effective	100
65	9:39	Effective	100
66	9:40	Effective	100
67	9:41	Effective	100
68	9:42	Effective	100
69	9:43	Effective	100
70	9:44	Effective	100
71	9:45	Effective	100
72	9:46	Effective	100
73	9:47	Effective	100
74	9:48	Effective	100
75	9:49	Effective	100
76	9:50	Effective	100
77	9:51	Effective	100
78	9:52	Ineffective	
79	9:53	Ineffective	
80	9:54	Ineffective	
81	9:55	Ineffective	
82	9:56	Ineffective	
83	9:57	Ineffective	
84	9:58	Ineffective	
85	9:59	Ineffective	
86	10:00	Ineffective	
87	10:01	Ineffective	
88	10:02	Effective	100
89	10:03	Effective	100
90	10:04	Effective	100
91	10:05	Effective	100
92	10:06	Effective	100
93	10:07	Effective	100
94	10:08	Effective	100
95	10:09	Effective	100
96	10:10	Effective	100
97	10:11	Effective	100
98	10:12	Ineffective	
99	10:13	Ineffective	
100	10:14	Ineffective	
101	10:15	Ineffective	
102	10:16	Ineffective	
103	10:17	Effective	100
104	10:18	Effective	100
105	10:19	Effective	100
106	10:20	Effective	100

107	10:21	Ineffective	
108	10:22	Ineffective	
109	10:23	Ineffective	
110	10:24	Effective	125
111	10:25	Effective	125
112	10:26	Effective	125
113	10:27	Effective	125
114	10:28	Effective	125
115	10:29	Effective	125
116	10:30	Effective	125
117	10:31	Effective	125
118	10:32	Effective	125
119	10:33	Effective	125
120	10:34	Effective	125
121	10:35	Effective	125
122	10:36	Effective	125
123	10:37	Effective	125
124	10:38	Effective	125
125	10:39	Effective	125
126	10:40	Ineffective	
127	10:41	Ineffective	
128	10:42	Ineffective	
129	10:43	Effective	125
130	10:44	Effective	125
131	10:45	Effective	125
132	10:46	Effective	125
133	10:47	Effective	125
134	10:48	Effective	125
135	10:49	Effective	125
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		95	
<i>ineffective</i>		40	
<i>total</i>		135	

107	10:21	Effective	100
108	10:22	Effective	100
109	10:23	Effective	100
110	10:24	Effective	100
111	10:25	Effective	100
112	10:26	Effective	100
113	10:27	Effective	100
114	10:28	Effective	100
115	10:29	Effective	100
116	10:30	Effective	100
117	10:31	Effective	100
118	10:32	Effective	100
119	10:33	Effective	100
120	10:34	Effective	100
121	10:35	Effective	100
122	10:36	Effective	100
123	10:37	Effective	100
124	10:38	Effective	100
125	10:39	Effective	100
126	10:40	Ineffective	
127	10:41	Ineffective	
128	10:42	Ineffective	
129	10:43	Ineffective	
130	10:44	Ineffective	
131	10:45	Ineffective	
132	10:46	Ineffective	
133	10:47	Ineffective	
134	10:48	Ineffective	
135	10:49	Ineffective	
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		75	
<i>ineffective</i>		60	
<i>total</i>		135	

RELAXATION ALLOWANCE			
No : 7a	Waktu Mulai : 08:35	Usrih = 8.29 m2	
Tgg : 8 Nopember 2011	Waktu Selesai : 10:49	Nurhadi = 6.25 m2	
PEKERJA			
Usrih		Nurhadi	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
TOTAL	19	TOTAL	19





<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 8 NOPEMBER 2011							
Waktu Mulai : 08:35			Waktu Selesai : 10:49				
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Usrih	<i>effective</i>	95	125	118,75	19	141,3125	8,29
	<i>ineffective</i>	40					
	<i>total</i>	135	125	118,75			
Nurhadi	<i>effective</i>	75	100	75	19	89,25	6,25
	<i>ineffective</i>	60					
	<i>total</i>	135	100	75			
Rata-rata						115,28125	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 8 NOPEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Usrih	8,29	17,0461	0,2841	24,6390	0,040586
Nurhadi	6,25	14,2800	0,2380	29,4118	0,034
Rata-rata				27,0254	0,037293

**RATED ACTIVITY SAMPLING OBSERVATIO S SHEET**

NO 8a	Waktu Mulai : 9:30	Sutarno = 3.39 m2 Pariyanto = 7.47 m2
TggL 9 Nopember 2011	Waktu Selesai : 11:44	

**PEKERJA**

Sutarno					Pariyanto				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	9:30	Effective	75	<b>48</b>	1	9:30	Effective	100	<b>92</b>
2	9:31	Effective	75		2	9:31	Effective	100	
3	9:32	Effective	75		3	9:32	Effective	100	
4	9:33	Effective	75		4	9:33	Effective	100	
5	9:34	Effective	75		5	9:34	Effective	100	
6	9:35	Effective	75		6	9:35	Effective	100	
7	9:36	Effective	75		7	9:36	Effective	100	
8	9:37	Effective	75		8	9:37	Effective	100	
9	9:38	Effective	75		9	9:38	Effective	100	
10	9:39	Effective	75		10	9:39	Effective	100	
11	9:40	Effective	75		11	9:40	Effective	100	
12	9:41	Effective	75		12	9:41	Effective	100	
13	9:42	Effective	75		13	9:42	Effective	100	
14	9:43	Effective	75		14	9:43	Effective	100	
15	9:44	Ineffective			15	9:44	Effective	100	
16	9:45	Ineffective			16	9:45	Effective	100	
17	9:46	Ineffective			17	9:46	Effective	100	
18	9:47	Ineffective			18	9:47	Effective	100	
19	9:48	Ineffective			19	9:48	Effective	100	
20	9:49	Ineffective			20	9:49	Effective	100	
21	9:50	Ineffective			21	9:50	Effective	100	
22	9:51	Ineffective			22	9:51	Effective	100	
23	9:52	Ineffective			23	9:52	Effective	100	
24	9:53	Ineffective			24	9:53	Effective	100	
25	9:54	Ineffective			25	9:54	Effective	100	
26	9:55	Ineffective			26	9:55	Effective	100	
27	9:56	Ineffective			27	9:56	Effective	100	
28	9:57	Ineffective			28	9:57	Effective	100	
29	9:58	Ineffective			29	9:58	Effective	100	
30	9:59	Ineffective			30	9:59	Effective	100	
31	10:00	Ineffective			31	10:00	Effective	100	
32	10:01	Ineffective			32	10:01	Effective	100	
33	10:02	Ineffective			33	10:02	Effective	100	
34	10:03	Ineffective			34	10:03	Effective	100	
35	10:04	Ineffective			35	10:04	Effective	100	
36	10:05	Ineffective			36	10:05	Effective	100	
37	10:06	Ineffective			37	10:06	Effective	100	
38	10:07	Ineffective			38	10:07	Effective	100	
39	10:08	Ineffective			39	10:08	Effective	100	
40	10:09	Ineffective			40	10:09	Effective	100	
41	10:10	Ineffective			41	10:10	Ineffective		
42	10:11	Ineffective			42	10:11	Ineffective		
43	10:12	Ineffective			43	10:12	Ineffective		
44	10:13	Ineffective			44	10:13	Ineffective		
45	10:14	Ineffective			45	10:14	Ineffective		
46	10:15	Ineffective			46	10:15	Ineffective		
47	10:16	Ineffective			47	10:16	Ineffective		
48	10:17	Ineffective			48	10:17	Effective	100	

49	10:18	<i>Ineffective</i>	
50	10:19	<i>Ineffective</i>	
51	10:20	<i>Ineffective</i>	
52	10:21	<i>Ineffective</i>	
53	10:22	<i>Ineffective</i>	
54	10:23	<i>Ineffective</i>	
55	10:24	<i>Ineffective</i>	
56	10:25	<i>Ineffective</i>	
57	10:26	<i>Effective</i>	75
58	10:27	<i>Effective</i>	75
59	10:28	<i>Effective</i>	75
60	10:29	<i>Effective</i>	75
61	10:30	<i>Effective</i>	75
62	10:31	<i>Effective</i>	75
63	10:32	<i>Effective</i>	75
64	10:33	<i>Effective</i>	75
65	10:34	<i>Effective</i>	75
66	10:35	<i>Ineffective</i>	
67	10:36	<i>Ineffective</i>	
68	10:37	<i>Ineffective</i>	
69	10:38	<i>Effective</i>	75
70	10:39	<i>Effective</i>	75
71	10:40	<i>Effective</i>	75
72	10:41	<i>Effective</i>	75
73	10:42	<i>Effective</i>	75
74	10:43	<i>Effective</i>	75
75	10:44	<i>Effective</i>	75
76	10:45	<i>Effective</i>	75
77	10:46	<i>Effective</i>	75
78	10:47	<i>Effective</i>	75
79	10:48	<i>Effective</i>	75
80	10:49	<i>Effective</i>	75
81	10:50	<i>Ineffective</i>	
82	10:51	<i>Effective</i>	75
83	10:52	<i>Effective</i>	75
84	10:53	<i>Effective</i>	75
85	10:54	<i>Effective</i>	75
86	10:55	<i>Effective</i>	75
87	10:56	<i>Effective</i>	75
88	10:57	<i>Effective</i>	75
89	10:58	<i>Ineffective</i>	
90	10:59	<i>Ineffective</i>	
91	11:00	<i>Ineffective</i>	
92	11:01	<i>Ineffective</i>	
93	11:02	<i>Ineffective</i>	
94	11:03	<i>Ineffective</i>	
95	11:04	<i>Ineffective</i>	
96	11:05	<i>Ineffective</i>	
97	11:06	<i>Ineffective</i>	
98	11:07	<i>Effective</i>	75
99	11:08	<i>Effective</i>	75
100	11:09	<i>Effective</i>	75
101	11:10	<i>Effective</i>	75
102	11:11	<i>Effective</i>	75
103	11:12	<i>Effective</i>	75

49	10:18	<i>Effective</i>	100
50	10:19	<i>Effective</i>	100
51	10:20	<i>Effective</i>	100
52	10:21	<i>Effective</i>	100
53	10:22	<i>Effective</i>	100
54	10:23	<i>Effective</i>	100
55	10:24	<i>Effective</i>	100
56	10:25	<i>Effective</i>	100
57	10:26	<i>Effective</i>	100
58	10:27	<i>Effective</i>	100
59	10:28	<i>Effective</i>	100
60	10:29	<i>Effective</i>	100
61	10:30	<i>Effective</i>	100
62	10:31	<i>Effective</i>	100
63	10:32	<i>Effective</i>	100
64	10:33	<i>Ineffective</i>	
65	10:34	<i>Ineffective</i>	
66	10:35	<i>Ineffective</i>	
67	10:36	<i>Ineffective</i>	
68	10:37	<i>Ineffective</i>	
69	10:38	<i>Ineffective</i>	
70	10:39	<i>Ineffective</i>	
71	10:40	<i>Effective</i>	100
72	10:41	<i>Effective</i>	100
73	10:42	<i>Effective</i>	100
74	10:43	<i>Effective</i>	100
75	10:44	<i>Effective</i>	100
76	10:45	<i>Effective</i>	100
77	10:46	<i>Effective</i>	100
78	10:47	<i>Effective</i>	100
79	10:48	<i>Effective</i>	100
80	10:49	<i>Effective</i>	100
81	10:50	<i>Effective</i>	100
82	10:51	<i>Effective</i>	100
83	10:52	<i>Effective</i>	100
84	10:53	<i>Effective</i>	100
85	10:54	<i>Effective</i>	100
86	10:55	<i>Effective</i>	100
87	10:56	<i>Effective</i>	100
88	10:57	<i>Effective</i>	100
89	10:58	<i>Effective</i>	100
90	10:59	<i>Ineffective</i>	
91	11:00	<i>Ineffective</i>	
92	11:01	<i>Ineffective</i>	
93	11:02	<i>Ineffective</i>	
94	11:03	<i>Ineffective</i>	
95	11:04	<i>Ineffective</i>	
96	11:05	<i>Ineffective</i>	
97	11:06	<i>Ineffective</i>	
98	11:07	<i>Ineffective</i>	
99	11:08	<i>Ineffective</i>	
100	11:09	<i>Ineffective</i>	
101	11:10	<i>Ineffective</i>	
102	11:11	<i>Ineffective</i>	
103	11:12	<i>Ineffective</i>	

104	11:13	Effective	75
105	11:14	Effective	75
106	11:15	Effective	75
107	11:16	Effective	75
108	11:17	Effective	75
109	11:18	Effective	75
110	11:19	Effective	75
111	11:20	Ineffective	
112	11:21	Ineffective	
113	11:22	Ineffective	
114	11:23	Ineffective	
115	11:24	Ineffective	
116	11:25	Ineffective	
117	11:26	Ineffective	
118	11:27	Ineffective	
119	11:28	Effective	75
120	11:29	Effective	75
121	11:30	Effective	75
122	11:31	Effective	75
123	11:32	Effective	75
124	11:33	Effective	75
125	11:34	Effective	75
126	11:35	Effective	75
127	11:36	Effective	75
128	11:37	Ineffective	
129	11:38	Ineffective	
130	11:39	Ineffective	
131	11:40	Ineffective	
132	11:41	Ineffective	
133	11:42	Ineffective	
134	11:43	Ineffective	
135	11:44	Ineffective	
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
effective		64	
ineffective		71	
total		135	

104	11:13	Ineffective	
105	11:14	Ineffective	
106	11:15	Ineffective	
107	11:16	Ineffective	
108	11:17	Ineffective	
109	11:18	Ineffective	
110	11:19	Ineffective	
111	11:20	Ineffective	
112	11:21	Ineffective	
113	11:22	Ineffective	
114	11:23	Ineffective	
115	11:24	Ineffective	
116	11:25	Ineffective	
117	11:26	Ineffective	
118	11:27	Ineffective	
119	11:28	Effective	100
120	11:29	Effective	100
121	11:30	Effective	100
122	11:31	Effective	100
123	11:32	Effective	100
124	11:33	Effective	100
125	11:34	Effective	100
126	11:35	Effective	100
127	11:36	Effective	100
128	11:37	Effective	100
129	11:38	Effective	100
130	11:39	Effective	100
131	11:40	Effective	100
132	11:41	Effective	100
133	11:42	Effective	100
134	11:43	Effective	100
135	11:44	Effective	100
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
effective		92	
ineffective		43	
total		135	

RELAXATION ALLOWANCE			
No : 8a	Waktu Mulai : 9:30	Sutarno = 3.39 m2	
Tgl : 9 Nopember 2011	Waktu Selesai : 11:44	Pariyanto = 7.47 m2	
PEKERJA			
Sutarno		Pariyanto	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	5	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	1	Kebisingan	1
Suhu	5	Suhu	5
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
TOTAL	27	TOTAL	24







<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 9 NOPEMBER 2011							
Waktu Mulai : 9:30				Waktu Selesai : 11:44			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Sutarno	<i>effective</i>	64	75	48	27	60,96	3,39
	<i>ineffective</i>	71					
	<i>total</i>	135	75	48			
Pariyanto	<i>effective</i>	92	100	92	24	114,08	7,47
	<i>ineffective</i>	43					
	<i>total</i>	135	100	92			
Rata-rata						87,52	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 9 NOPEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Sutarno	3,39	17,9823	0,2997	23,3563	0,042815
Pariyanto	7,47	15,2718	0,2545	27,5018	0,036361
Rata-rata				25,4290	0,039588



**RATED ACTIVITY SAMPLING OBSERVATIO S SHEET**

NO 8b	Waktu Mulai : 14:00	Ahmad = 6.93 m2
TggL 9 Nopember 2011	Waktu Selesai : 15:39	Slamet R = 6.3 m2

**PEKERJA**

Ahmad					Slamet R				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	14:00	Ineffective		<b>75</b>	1	14:00	Effective	75	<b>63,75</b>
2	14:01	Ineffective			2	14:01	Effective	75	
3	14:02	Ineffective			3	14:02	Effective	75	
4	14:03	Ineffective			4	14:03	Effective	75	
5	14:04	Ineffective			5	14:04	Effective	75	
6	14:05	Ineffective			6	14:05	Effective	75	
7	14:06	Ineffective			7	14:06	Effective	75	
8	14:07	Ineffective			8	14:07	Effective	75	
9	14:08	Ineffective			9	14:08	Ineffective		
10	14:09	Ineffective			10	14:09	Ineffective		
11	14:10	Ineffective			11	14:10	Ineffective		
12	14:11	Ineffective			12	14:11	Ineffective		
13	14:12	Ineffective			13	14:12	Effective	75	
14	14:13	Ineffective			14	14:13	Effective	75	
15	14:14	Ineffective			15	14:14	Effective	75	
16	14:15	Ineffective			16	14:15	Effective	75	
17	14:16	Ineffective			17	14:16	Effective	75	
18	14:17	Ineffective			18	14:17	Effective	75	
19	14:18	Ineffective			19	14:18	Effective	75	
20	14:19	Ineffective			20	14:19	Effective	75	
21	14:20	Ineffective			21	14:20	Effective	75	
22	14:21	Ineffective			22	14:21	Ineffective		
23	14:22	Effective	100	23	14:22	Ineffective			
24	14:23	Effective	100	24	14:23	Ineffective			
25	14:24	Effective	100	25	14:24	Ineffective			
26	14:25	Effective	100	26	14:25	Ineffective			
27	14:26	Effective	100	27	14:26	Effective	75		
28	14:27	Effective	100	28	14:27	Effective	75		
29	14:28	Effective	100	29	14:28	Effective	75		
30	14:29	Effective	100	30	14:29	Effective	75		
31	14:30	Effective	100	31	14:30	Effective	75		
32	14:31	Effective	100	32	14:31	Effective	75		
33	14:32	Effective	100	33	14:32	Effective	75		
34	14:33	Effective	100	34	14:33	Effective	75		
35	14:34	Effective	100	35	14:34	Effective	75		
36	14:35	Effective	100	36	14:35	Effective	75		
37	14:36	Effective	100	37	14:36	Effective	75		
38	14:37	Effective	100	38	14:37	Effective	75		
39	14:38	Effective	100	39	14:38	Effective	75		
40	14:39	Effective	100	40	14:39	Effective	75		
41	14:40	Effective	100	41	14:40	Ineffective			
42	14:41	Effective	100	42	14:41	Ineffective			
43	14:42	Effective	100	43	14:42	Ineffective			
44	14:43	Effective	100	44	14:43	Effective	75		
45	14:44	Effective	100	45	14:44	Effective	75		
46	14:45	Effective	100	46	14:45	Effective	75		
47	14:46	Effective	100	47	14:46	Effective	75		
48	14:47	Effective	100	48	14:47	Effective	75		
49	14:48	Effective	100	49	14:48	Effective	75		
50	14:49	Effective	100	50	14:49	Effective	75		

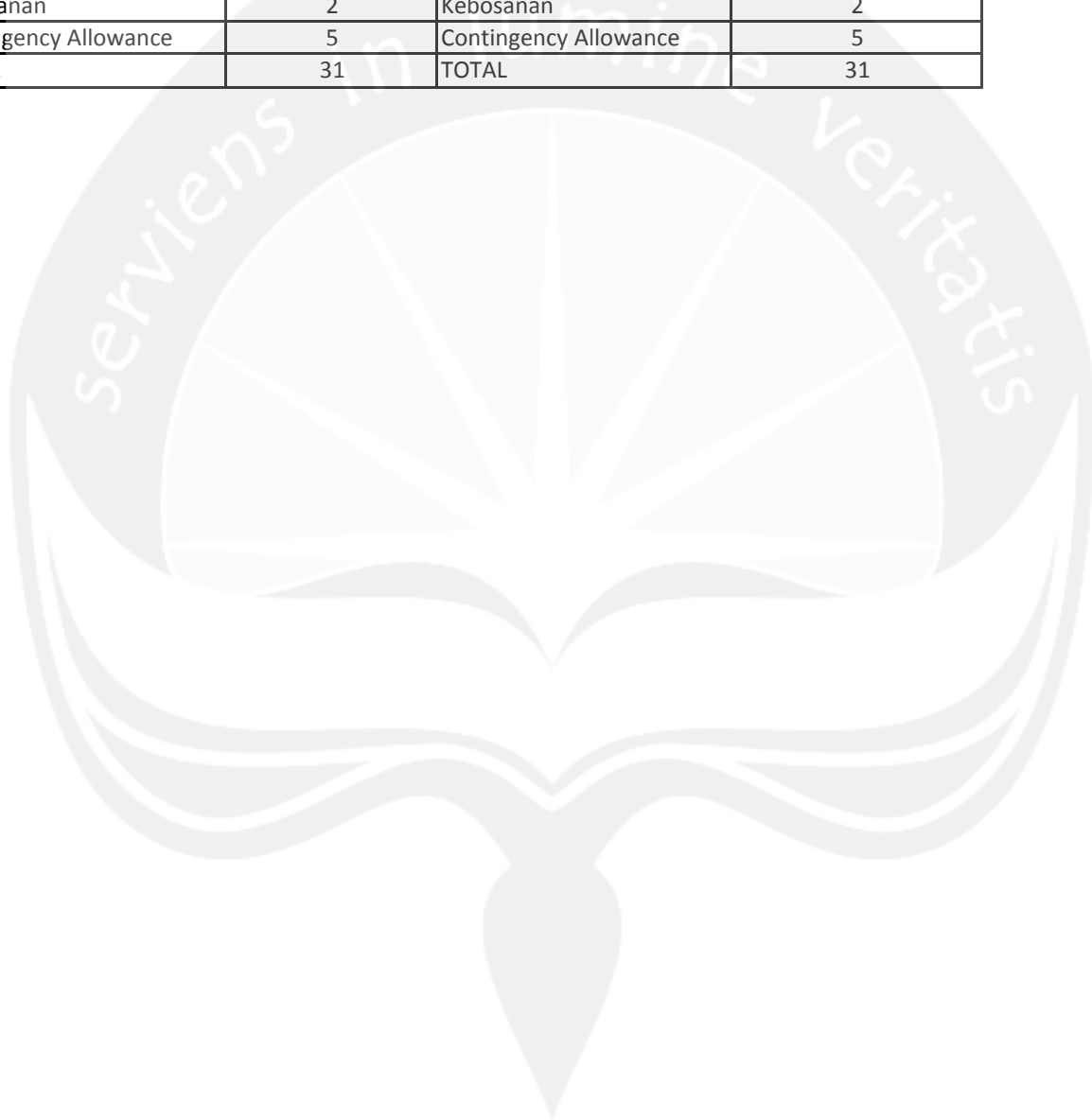
51	14:50	Effective	100
52	14:51	Effective	100
53	14:52	Effective	100
54	14:53	Effective	100
55	14:54	Effective	100
56	14:55	Effective	100
57	14:56	Effective	100
58	14:57	Effective	100
59	14:58	Effective	100
60	14:59	Effective	100
61	15:00	Ineffective	
62	15:01	Ineffective	
63	15:02	Ineffective	
64	15:03	Ineffective	
65	15:04	Ineffective	
66	15:05	Ineffective	
67	15:06	Ineffective	
68	15:07	Ineffective	
69	15:08	Ineffective	
70	15:09	Ineffective	
71	15:10	Effective	100
72	15:11	Effective	100
73	15:12	Effective	100
74	15:13	Effective	100
75	15:14	Effective	100
76	15:15	Effective	100
77	15:16	Effective	100
78	15:17	Effective	100
79	15:18	Effective	100
80	15:19	Effective	100
81	15:20	Effective	100
82	15:21	Effective	100
83	15:22	Effective	100
84	15:23	Effective	100
85	15:24	Effective	100
86	15:25	Effective	100
87	15:26	Ineffective	
88	15:27	Ineffective	
89	15:28	Ineffective	
90	15:29	Ineffective	
91	15:30	Ineffective	
92	15:31	Ineffective	
93	15:32	Ineffective	
94	15:33	Ineffective	
95	15:34	Ineffective	
96	15:35	Ineffective	
97	15:36	Ineffective	
98	15:37	Ineffective	
99	15:38	Ineffective	
100	15:39	Effective	100
101	15:40	Effective	100
102	15:41	Effective	100
103	15:42	Effective	100
104	15:43	Effective	100
105	15:44	Effective	100
106	15:45	Effective	100

51	14:50	Effective	75
52	14:51	Effective	75
53	14:52	Effective	75
54	14:53	Effective	75
55	14:54	Effective	75
56	14:55	Effective	75
57	14:56	Effective	75
58	14:57	Effective	75
59	14:58	Effective	75
60	14:59	Effective	75
61	15:00	Effective	75
62	15:01	Effective	75
63	15:02	Effective	75
64	15:03	Effective	75
65	15:04	Effective	75
66	15:05	Effective	75
67	15:06	Effective	75
68	15:07	Effective	75
69	15:08	Effective	75
70	15:09	Effective	75
71	15:10	Effective	75
72	15:11	Effective	75
73	15:12	Effective	75
74	15:13	Effective	75
75	15:14	Effective	75
76	15:15	Effective	75
77	15:16	Ineffective	
78	15:17	Ineffective	
79	15:18	Ineffective	
80	15:19	Ineffective	
81	15:20	Ineffective	
82	15:21	Ineffective	
83	15:22	Ineffective	
84	15:23	Ineffective	
85	15:24	Ineffective	
86	15:25	Ineffective	
87	15:26	Ineffective	
88	15:27	Ineffective	
89	15:28	Ineffective	
90	15:29	Ineffective	
91	15:30	Ineffective	
92	15:31	Effective	75
93	15:32	Effective	75
94	15:33	Effective	75
95	15:34	Effective	75
96	15:35	Effective	75
97	15:36	Effective	75
98	15:37	Effective	75
99	15:38	Effective	75
100	15:39	Effective	75
101	15:40	Effective	75
102	15:41	Effective	75
103	15:42	Effective	75
104	15:43	Effective	75
105	15:44	Ineffective	
106	15:45	Ineffective	

107	15:46	<i>Effective</i>	100
108	15:47	<i>Effective</i>	100
109	15:48	<i>Effective</i>	100
110	15:49	<i>Effective</i>	100
111	15:50	<i>Effective</i>	100
112	15:51	<i>Effective</i>	100
113	15:52	<i>Effective</i>	100
114	15:53	<i>Effective</i>	100
115	15:54	<i>Effective</i>	100
116	15:55	<i>Effective</i>	100
117	15:56	<i>Effective</i>	100
118	15:57	<i>Effective</i>	100
119	15:58	<i>Effective</i>	100
120	15:59	<i>Effective</i>	100
121			
122			
123			
124			
125			
126			
127			
128			
129			
130			
131			
132			
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134			
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143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		75	
<i>ineffective</i>		45	
<i>total</i>		120	

107	15:46	<i>Ineffective</i>	
108	15:47	<i>Ineffective</i>	
109	15:48	<i>Ineffective</i>	
110	15:49	<i>Effective</i>	75
111	15:50	<i>Effective</i>	75
112	15:51	<i>Effective</i>	75
113	15:52	<i>Effective</i>	75
114	15:53	<i>Effective</i>	75
115	15:54	<i>Effective</i>	75
116	15:55	<i>Effective</i>	75
117	15:56	<i>Effective</i>	75
118	15:57	<i>Ineffective</i>	
119	15:58	<i>Ineffective</i>	
120	15:59	<i>Ineffective</i>	
121			
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144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		85	
<i>ineffective</i>		35	
<i>total</i>		120	

RELAXATION ALLOWANCE			
No : 8b	Waktu Mulai : 14:00	Ahmad = 6.93 m2	
Tgg1 : 9 Nopember 2011	Waktu Selesai : 15:39	Slamet R = 6.3 m2	
PEKERJA			
Ahmad		Slamet R	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	1	Kebisingan	1
Suhu	10	Suhu	10
Tenaga	1	Tenaga	1
Kebosanan	2	Kebosanan	2
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>31</b>	<b>TOTAL</b>	<b>31</b>







<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 9 NOPEMBER 2011							
Waktu Mulai : 14:00				Waktu Selesai : 15:39			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Ahmad	<i>effective</i>	75	100	75	31	98,25	6,93
	<i>ineffective</i>	45					
	<i>total</i>	120	100	75			
Slamet R	<i>effective</i>	85	75	63,75	31	83,5125	6,3
	<i>ineffective</i>	35					
	<i>total</i>	120	75	63,75			
Rata-rata						90,88125	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 9 NOPEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Ahmad	6,93	14,1775	0,2363	29,6244	0,033756
Slamet R	6,3	13,2560	0,2209	31,6839	0,031562
Rata-rata				30,6542	0,032659

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 9a		Waktu Mulai : 9:50			Sutarno = 5.39 m2				
TggL 10 Nopember 2011		Waktu Selesai : 11:54			Pariyanto = 6.26 m2				
PEKERJA									
Sutarno					Pariyanto				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	9:50	Effective	75	<b>62,25</b>	1	9:50	Effective	100	<b>88</b>
2	9:51	Effective	75		2	9:51	Effective	100	
3	9:52	Effective	75		3	9:52	Effective	100	
4	9:53	Effective	75		4	9:53	Effective	100	
5	9:54	Effective	75		5	9:54	Effective	100	
6	9:55	Effective	75		6	9:55	Effective	100	
7	9:56	Effective	75		7	9:56	Effective	100	
8	9:57	Effective	75		8	9:57	Effective	100	
9	9:58	Effective	75		9	9:58	Effective	100	
10	9:59	Effective	75		10	9:59	Effective	100	
11	10:00	Effective	75		11	10:00	Effective	100	
12	10:01	Effective	75		12	10:01	Effective	100	
13	10:02	Effective	75		13	10:02	Effective	100	
14	10:03	Effective	75		14	10:03	Effective	100	
15	10:04	Effective	75		15	10:04	Effective	100	
16	10:05	Effective	75		16	10:05	Effective	100	
17	10:06	Effective	75		17	10:06	Effective	100	
18	10:07	Effective	75		18	10:07	Effective	100	
19	10:08	Effective	75		19	10:08	Effective	100	
20	10:09	Effective	75		20	10:09	Effective	100	
21	10:10	Effective	75		21	10:10	Effective	100	
22	10:11	Effective	75		22	10:11	Effective	100	
23	10:12	Effective	75		23	10:12	Effective	100	
24	10:13	Effective	75		24	10:13	Effective	100	
25	10:14	Effective	75		25	10:14	Effective	100	
26	10:15	Effective	75		26	10:15	Effective	100	
27	10:16	Effective	75		27	10:16	Effective	100	
28	10:17	Effective	75		28	10:17	Effective	100	
29	10:18	Effective	75		29	10:18	Ineffective		
30	10:19	Effective	75		30	10:19	Ineffective		
31	10:20	Effective	75		31	10:20	Ineffective		
32	10:21	Effective	75		32	10:21	Ineffective		
33	10:22	Effective	75		33	10:22	Ineffective		
34	10:23	Effective	75		34	10:23	Ineffective		
35	10:24	Effective	75		35	10:24	Ineffective		
36	10:25	Effective	75		36	10:25	Ineffective		
37	10:26	Effective	75		37	10:26	Ineffective		
38	10:27	Effective	75		38	10:27	Ineffective		
39	10:28	Effective	75		39	10:28	Ineffective		
40	10:29	Effective	75		40	10:29	Ineffective		
41	10:30	Effective	75		41	10:30	Ineffective		
42	10:31	Effective	75		42	10:31	Ineffective		
43	10:32	Effective	75		43	10:32	Ineffective		
44	10:33	Effective	75		44	10:33	Ineffective		
45	10:34	Effective	75		45	10:34	Ineffective		
46	10:35	Effective	75		46	10:35	Effective	100	
47	10:36	Effective	75		47	10:36	Effective	100	
48	10:37	Effective	75		48	10:37	Effective	100	



49	10:38	<i>Ineffective</i>	
50	10:39	<i>Ineffective</i>	
51	10:40	<i>Ineffective</i>	
52	10:41	<i>Ineffective</i>	
53	10:42	<i>Ineffective</i>	
54	10:43	<i>Ineffective</i>	
55	10:44	<i>Ineffective</i>	
56	10:45	<i>Ineffective</i>	
57	10:46	<i>Ineffective</i>	
58	10:47	<i>Ineffective</i>	
59	10:48	<i>Ineffective</i>	
60	10:49	<i>Ineffective</i>	
61	10:50	<i>Ineffective</i>	
62	10:51	<i>Ineffective</i>	
63	10:52	<i>Ineffective</i>	
64	10:53	<i>Ineffective</i>	
65	10:54	<i>Ineffective</i>	
66	10:55	<i>Ineffective</i>	
67	10:56	<i>Ineffective</i>	
68	10:57	<i>Ineffective</i>	
69	10:58	<i>Ineffective</i>	
70	10:59	<i>Ineffective</i>	
71	11:00	<i>Ineffective</i>	
72	11:01	<i>Ineffective</i>	
73	11:02	<i>Ineffective</i>	
74	11:03	<i>Ineffective</i>	
75	11:04	<i>Ineffective</i>	
76	11:05	<i>Ineffective</i>	
77	11:06	<i>Ineffective</i>	
78	11:07	<i>Ineffective</i>	
79	11:08	<i>Ineffective</i>	
80	11:09	<i>Effective</i>	75
81	11:10	<i>Effective</i>	75
82	11:11	<i>Effective</i>	75
83	11:12	<i>Effective</i>	75
84	11:13	<i>Effective</i>	75
85	11:14	<i>Effective</i>	75
86	11:15	<i>Effective</i>	75
87	11:16	<i>Effective</i>	75
88	11:17	<i>Effective</i>	75
89	11:18	<i>Effective</i>	75
90	11:19	<i>Effective</i>	75
91	11:20	<i>Effective</i>	75
92	11:21	<i>Effective</i>	75
93	11:22	<i>Effective</i>	75
94	11:23	<i>Effective</i>	75
95	11:24	<i>Ineffective</i>	
96	11:25	<i>Ineffective</i>	
97	11:26	<i>Ineffective</i>	
98	11:27	<i>Ineffective</i>	
99	11:28	<i>Effective</i>	75
100	11:29	<i>Effective</i>	75
101	11:30	<i>Effective</i>	75
102	11:31	<i>Effective</i>	75

49	10:38	<i>Effective</i>	100
50	10:39	<i>Effective</i>	100
51	10:40	<i>Effective</i>	100
52	10:41	<i>Effective</i>	100
53	10:42	<i>Effective</i>	100
54	10:43	<i>Effective</i>	100
55	10:44	<i>Effective</i>	100
56	10:45	<i>Effective</i>	100
57	10:46	<i>Effective</i>	100
58	10:47	<i>Effective</i>	100
59	10:48	<i>Effective</i>	100
60	10:49	<i>Effective</i>	100
61	10:50	<i>Effective</i>	100
62	10:51	<i>Effective</i>	100
63	10:52	<i>Effective</i>	100
64	10:53	<i>Effective</i>	100
65	10:54	<i>Effective</i>	100
66	10:55	<i>Effective</i>	100
67	10:56	<i>Effective</i>	100
68	10:57	<i>Effective</i>	100
69	10:58	<i>Effective</i>	100
70	10:59	<i>Effective</i>	100
71	11:00	<i>Effective</i>	100
72	11:01	<i>Effective</i>	100
73	11:02	<i>Effective</i>	100
74	11:03	<i>Effective</i>	100
75	11:04	<i>Effective</i>	100
76	11:05	<i>Effective</i>	100
77	11:06	<i>Effective</i>	100
78	11:07	<i>Effective</i>	100
79	11:08	<i>Effective</i>	100
80	11:09	<i>Effective</i>	100
81	11:10	<i>Effective</i>	100
82	11:11	<i>Effective</i>	100
83	11:12	<i>Effective</i>	100
84	11:13	<i>Effective</i>	100
85	11:14	<i>Effective</i>	100
86	11:15	<i>Effective</i>	100
87	11:16	<i>Effective</i>	100
88	11:17	<i>Effective</i>	100
89	11:18	<i>Ineffective</i>	
90	11:19	<i>Ineffective</i>	
91	11:20	<i>Ineffective</i>	
92	11:21	<i>Ineffective</i>	
93	11:22	<i>Ineffective</i>	
94	11:23	<i>Ineffective</i>	
95	11:24	<i>Ineffective</i>	
96	11:25	<i>Ineffective</i>	
97	11:26	<i>Ineffective</i>	
98	11:27	<i>Ineffective</i>	
99	11:28	<i>Effective</i>	100
100	11:29	<i>Effective</i>	100
101	11:30	<i>Effective</i>	100
102	11:31	<i>Effective</i>	100

103	11:32	Effective	75
104	11:33	Effective	75
105	11:34	Effective	75
106	11:35	Effective	75
107	11:36	Effective	75
108	11:37	Effective	75
109	11:38	Effective	75
110	11:39	Effective	75
111	11:40	Ineffective	
112	11:41	Ineffective	
113	11:42	Ineffective	
114	11:43	Ineffective	
115	11:44	Ineffective	
116	11:45	Ineffective	
117	11:46	Ineffective	
118	11:47	Effective	75
119	11:48	Effective	75
120	11:49	Effective	75
121	11:50	Effective	75
122	11:51	Effective	75
123	11:52	Effective	75
124	11:53	Effective	75
125	11:54	Effective	75
126			
127			
128			
129			
130			
131			
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148			
149			
150			

<i>effective</i>	83
<i>ineffective</i>	42
<i>total</i>	125

103	11:32	Effective	100
104	11:33	Effective	100
105	11:34	Effective	100
106	11:35	Effective	100
107	11:36	Effective	100
108	11:37	Effective	100
109	11:38	Effective	100
110	11:39	Effective	100
111	11:40	Effective	100
112	11:41	Effective	100
113	11:42	Effective	100
114	11:43	Effective	100
115	11:44	Effective	100
116	11:45	Ineffective	
117	11:46	Ineffective	
118	11:47	Ineffective	
119	11:48	Ineffective	
120	11:49	Ineffective	
121	11:50	Ineffective	
122	11:51	Ineffective	
123	11:52	Ineffective	
124	11:53	Ineffective	
125	11:54	Ineffective	
126			
127			
128			
129			
130			
131			
132			
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145			
146			
147			
148			
149			
150			

<i>effective</i>	88
<i>ineffective</i>	37
<i>total</i>	125

<b>RELAXATION ALLOWANCE</b>			
No : 9a	Waktu Mulai : 9:50	Sutarno = 5.39 m2	
Tggl : 10 Nopember 2011	Waktu Selesai : 11:54	Pariyanto = 6.26 m2	
<b>PEKERJA</b>			
Sutarno		Pariyanto	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	5	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>23</b>	<b>TOTAL</b>	<b>20</b>







<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 10 NOPEMBER 2011							
Waktu Mulai : 9:50				Waktu Selesai : 11:54			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Sutarno	<i>effective</i>	83	75	62,25	23	76,5675	5,39
	<i>ineffective</i>	42					
	<i>total</i>	125	75	62,25			
Pariyanto	<i>effective</i>	88	100	88	20	105,6	6,26
	<i>ineffective</i>	37					
	<i>total</i>	125	100	88			
Rata-rata						91,08375	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 10 NOPEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Sutarno	5,39	14,2055	0,2368	29,5661	0,033823
Pariyanto	6,26	16,8690	0,2812	24,8977	0,040164
Rata-rata				27,2319	0,036993

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 9b		Waktu Mulai : 13:25			Sutarno = 3.75 m2				
TggL 10 Nopember 2011		Waktu Selesai : 15:34			Pariyanto = 7.1 m2				
PEKERJA									
Sutarno					Pariyanto				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	13:25	Ineffective		50,25	1	13:25	Effective	100	88
2	13:26	Ineffective			2	13:26	Effective	100	
3	13:27	Ineffective			3	13:27	Effective	100	
4	13:28	Ineffective			4	13:28	Effective	100	
5	13:29	Ineffective			5	13:29	Effective	100	
6	13:30	Ineffective			6	13:30	Effective	100	
7	13:31	Ineffective			7	13:31	Effective	100	
8	13:32	Ineffective			8	13:32	Effective	100	
9	13:33	Ineffective			9	13:33	Effective	100	
10	13:34	Ineffective			10	13:34	Effective	100	
11	13:35	Ineffective			11	13:35	Effective	100	
12	13:36	Ineffective			12	13:36	Effective	100	
13	13:37	Ineffective			13	13:37	Effective	100	
14	13:38	Ineffective			14	13:38	Effective	100	
15	13:39	Ineffective			15	13:39	Effective	100	
16	13:40	Ineffective			16	13:40	Effective	100	
17	13:41	Ineffective			17	13:41	Effective	100	
18	13:42	Ineffective			18	13:42	Effective	100	
19	13:43	Ineffective			19	13:43	Effective	100	
20	13:44	Ineffective			20	13:44	Effective	100	
21	13:45	Ineffective			21	13:45	Effective	100	
22	13:46	Ineffective			22	13:46	Effective	100	
23	13:47	Ineffective			23	13:47	Effective	100	
24	13:48	Ineffective			24	13:48	Effective	100	
25	13:49	Ineffective			25	13:49	Effective	100	
26	13:50	Ineffective			26	13:50	Effective	100	
27	13:51	Ineffective			27	13:51	Effective	100	
28	13:52	Ineffective			28	13:52	Effective	100	
29	13:53	Ineffective			29	13:53	Effective	100	
30	13:54	Ineffective			30	13:54	Effective	100	
31	13:55	Ineffective		31	13:55	Effective	100		
32	13:56	Ineffective		32	13:56	Effective	100		
33	13:57	Ineffective		33	13:57	Effective	100		
34	13:58	Ineffective		34	13:58	Effective	100		
35	13:59	Ineffective		35	13:59	Effective	100		
36	14:00	Ineffective		36	14:00	Ineffective			
37	14:01	Ineffective		37	14:01	Ineffective			
38	14:02	Effective	75	38	14:02	Ineffective			
39	14:03	Effective	75	39	14:03	Ineffective			
40	14:04	Effective	75	40	14:04	Ineffective			
41	14:05	Effective	75	41	14:05	Ineffective			
42	14:06	Effective	75	42	14:06	Ineffective			
43	14:07	Effective	75	43	14:07	Ineffective			
44	14:08	Effective	75	44	14:08	Ineffective			
45	14:09	Effective	75	45	14:09	Ineffective			
46	14:10	Effective	75	46	14:10	Ineffective			
47	14:11	Effective	75	47	14:11	Ineffective			
48	14:12	Effective	75	48	14:12	Effective	100		

49	14:13	Effective	75
50	14:14	Effective	75
51	14:15	Effective	75
52	14:16	Effective	75
53	14:17	Effective	75
54	14:18	Effective	75
55	14:19	Effective	75
56	14:20	Effective	75
57	14:21	Effective	75
58	14:22	Effective	75
59	14:23	Effective	75
60	14:24	Effective	75
61	14:25	Effective	75
62	14:26	Effective	75
63	14:27	Effective	75
64	14:28	Effective	75
65	14:29	Effective	75
66	14:30	Effective	75
67	14:31	Effective	75
68	14:32	Effective	75
69	14:33	Effective	75
70	14:34	Effective	75
71	14:35	Effective	75
72	14:36	Effective	75
73	14:37	Effective	75
74	14:38	Effective	75
75	14:39	Effective	75
76	14:40	Effective	75
77	14:41	Effective	75
78	14:42	Effective	75
79	14:43	Effective	75
80	14:44	Effective	75
81	14:45	Effective	75
82	14:46	Effective	75
83	14:47	Effective	75
84	14:48	Effective	75
85	14:49	Effective	75
86	14:50	Effective	75
87	14:51	Ineffective	
88	14:52	Ineffective	
89	14:53	Ineffective	
90	14:54	Ineffective	
91	14:55	Ineffective	
92	14:56	Ineffective	
93	14:57	Ineffective	
94	14:58	Ineffective	
95	14:59	Ineffective	
96	15:00	Ineffective	
97	15:01	Ineffective	
98	15:02	Ineffective	
99	15:03	Ineffective	
100	15:04	Ineffective	
101	15:05	Ineffective	
102	15:06	Ineffective	

49	14:13	Effective	100
50	14:14	Effective	100
51	14:15	Effective	100
52	14:16	Effective	100
53	14:17	Effective	100
54	14:18	Effective	100
55	14:19	Effective	100
56	14:20	Effective	100
57	14:21	Effective	100
58	14:22	Effective	100
59	14:23	Effective	100
60	14:24	Effective	100
61	14:25	Effective	100
62	14:26	Effective	100
63	14:27	Effective	100
64	14:28	Effective	100
65	14:29	Effective	100
66	14:30	Effective	100
67	14:31	Effective	100
68	14:32	Effective	100
69	14:33	Effective	100
70	14:34	Effective	100
71	14:35	Effective	100
72	14:36	Effective	100
73	14:37	Effective	100
74	14:38	Effective	100
75	14:39	Ineffective	
76	14:40	Ineffective	
77	14:41	Ineffective	
78	14:42	Ineffective	
79	14:43	Ineffective	
80	14:44	Effective	100
81	14:45	Effective	100
82	14:46	Effective	100
83	14:47	Effective	100
84	14:48	Effective	100
85	14:49	Effective	100
86	14:50	Effective	100
87	14:51	Effective	100
88	14:52	Effective	100
89	14:53	Effective	100
90	14:54	Effective	100
91	14:55	Effective	100
92	14:56	Ineffective	
93	14:57	Ineffective	
94	14:58	Ineffective	
95	14:59	Ineffective	
96	15:00	Ineffective	
97	15:01	Ineffective	
98	15:02	Ineffective	
99	15:03	Ineffective	
100	15:04	Ineffective	
101	15:05	Ineffective	
102	15:06	Ineffective	



103	15:07	<i>Ineffective</i>	
104	15:08	<i>Ineffective</i>	
105	15:09	<i>Ineffective</i>	
106	15:10	<i>Ineffective</i>	
107	15:11	<i>Ineffective</i>	
108	15:12	<i>Effective</i>	75
109	15:13	<i>Effective</i>	75
110	15:14	<i>Effective</i>	75
111	15:15	<i>Effective</i>	75
112	15:16	<i>Effective</i>	75
113	15:17	<i>Effective</i>	75
114	15:18	<i>Effective</i>	75
115	15:19	<i>Effective</i>	75
116	15:20	<i>Effective</i>	75
117	15:21	<i>Effective</i>	75
118	15:22	<i>Effective</i>	75
119	15:23	<i>Effective</i>	75
120	15:24	<i>Effective</i>	75
121	15:25	<i>Effective</i>	75
122	15:26	<i>Effective</i>	75
123	15:27	<i>Effective</i>	75
124	15:28	<i>Effective</i>	75
125	15:29	<i>Effective</i>	75
126	15:30	<i>Ineffective</i>	
127	15:31	<i>Ineffective</i>	
128	15:32	<i>Ineffective</i>	
129	15:33	<i>Ineffective</i>	
130	15:34	<i>Ineffective</i>	
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		67	
<i>ineffective</i>		63	
<i>total</i>		130	

103	15:07	<i>Ineffective</i>	
104	15:08	<i>Ineffective</i>	
105	15:09	<i>Ineffective</i>	
106	15:10	<i>Ineffective</i>	
107	15:11	<i>Ineffective</i>	
108	15:12	<i>Ineffective</i>	
109	15:13	<i>Ineffective</i>	
110	15:14	<i>Ineffective</i>	
111	15:15	<i>Ineffective</i>	
112	15:16	<i>Ineffective</i>	
113	15:17	<i>Ineffective</i>	
114	15:18	<i>Effective</i>	100
115	15:19	<i>Effective</i>	100
116	15:20	<i>Effective</i>	100
117	15:21	<i>Effective</i>	100
118	15:22	<i>Effective</i>	100
119	15:23	<i>Effective</i>	100
120	15:24	<i>Effective</i>	100
121	15:25	<i>Effective</i>	100
122	15:26	<i>Effective</i>	100
123	15:27	<i>Ineffective</i>	
124	15:28	<i>Ineffective</i>	
125	15:29	<i>Ineffective</i>	
126	15:30	<i>Effective</i>	100
127	15:31	<i>Effective</i>	100
128	15:32	<i>Effective</i>	100
129	15:33	<i>Effective</i>	100
130	15:34	<i>Effective</i>	100
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>		88	
<i>ineffective</i>		42	
<i>total</i>		130	

<b>RELAXATION ALLOWANCE</b>			
No : 9b	Waktu Mulai : 13:25	Sutarno = 3.75 m2	
Tggl : 10 Nopember 2011	Waktu Selesai : 15:34	Pariyanto = 7.1 m2	
<b>PEKERJA</b>			
Sutarno		Pariyanto	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	5	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	1	Kebisingan	1
Suhu	5	Suhu	5
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>28</b>	<b>TOTAL</b>	<b>25</b>







<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 10 NOPEMBER 2011							
Waktu Mulai : 13:25				Waktu Selesai : 15:34			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Sutarno	<i>effective</i>	67	75	50,25	28	64,32	3,75
	<i>ineffective</i>	63					
	<i>total</i>	130	75	50,25			
Pariyanto	<i>effective</i>	88	100	88	25	110	7,1
	<i>ineffective</i>	42					
	<i>total</i>	130	100	88			
Rata-rata						87,16	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 10 NOPEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Sutarno	3,75	17,1520	0,2859	24,4869	0,040838
Pariyanto	7,1	15,4930	0,2582	27,1091	0,036888
Rata-rata				25,7980	0,038863

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO 10a		Waktu Mulai : 8:30			Sutarno = 7.1 m2				
TggL 11 Nopember 2011		Waktu Selesai : 10:59			Pariyanto = 8.62 m2				
PEKERJA									
Sutarno					Pariyanto				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	8:30	Effective	75	<b>84</b>	1	8:30	Ineffective		<b>99</b>
2	8:31	Effective	75		2	8:31	Ineffective		
3	8:32	Effective	75		3	8:32	Ineffective		
4	8:33	Effective	75		4	8:33	Ineffective		
5	8:34	Effective	75		5	8:34	Ineffective		
6	8:35	Effective	75		6	8:35	Ineffective		
7	8:36	Effective	75		7	8:36	Ineffective		
8	8:37	Effective	75		8	8:37	Ineffective		
9	8:38	Effective	75		9	8:38	Ineffective		
10	8:39	Effective	75		10	8:39	Ineffective		
11	8:40	Effective	75		11	8:40	Ineffective		
12	8:41	Effective	75		12	8:41	Effective	100	
13	8:42	Effective	75		13	8:42	Effective	100	
14	8:43	Effective	75		14	8:43	Effective	100	
15	8:44	Effective	75		15	8:44	Effective	100	
16	8:45	Effective	75		16	8:45	Effective	100	
17	8:46	Effective	75		17	8:46	Effective	100	
18	8:47	Effective	75		18	8:47	Effective	100	
19	8:48	Effective	75		19	8:48	Effective	100	
20	8:49	Effective	75		20	8:49	Effective	100	
21	8:50	Effective	75		21	8:50	Effective	100	
22	8:51	Effective	75		22	8:51	Effective	100	
23	8:52	Effective	75		23	8:52	Effective	100	
24	8:53	Effective	75		24	8:53	Effective	100	
25	8:54	Ineffective			25	8:54	Effective	100	
26	8:55	Ineffective			26	8:55	Effective	100	
27	8:56	Ineffective			27	8:56	Effective	100	
28	8:57	Ineffective			28	8:57	Effective	100	
29	8:58	Ineffective			29	8:58	Effective	100	
30	8:59	Ineffective			30	8:59	Effective	100	
31	9:00	Ineffective			31	9:00	Effective	100	
32	9:01	Ineffective			32	9:01	Effective	100	
33	9:02	Ineffective			33	9:02	Effective	100	
34	9:03	Ineffective			34	9:03	Effective	100	
35	9:04	Ineffective			35	9:04	Effective	100	
36	9:05	Ineffective			36	9:05	Effective	100	
37	9:06	Effective	75		37	9:06	Effective	100	
38	9:07	Effective	75		38	9:07	Effective	100	
39	9:08	Effective	75		39	9:08	Effective	100	
40	9:09	Effective	75		40	9:09	Effective	100	
41	9:10	Effective	75		41	9:10	Effective	100	
42	9:11	Effective	75		42	9:11	Effective	100	
43	9:12	Effective	75		43	9:12	Effective	100	
44	9:13	Effective	75		44	9:13	Effective	100	
45	9:14	Effective	75		45	9:14	Ineffective		
46	9:15	Effective	75		46	9:15	Ineffective		
47	9:16	Effective	75		47	9:16	Ineffective		
48	9:17	Effective	75		48	9:17	Ineffective		

49	9:18	Effective	75
50	9:19	Effective	75
51	9:20	Effective	75
52	9:21	Effective	75
53	9:22	Effective	75
54	9:23	Effective	75
55	9:24	Effective	75
56	9:25	Effective	75
57	9:26	Effective	75
58	9:27	Effective	75
59	9:28	Effective	75
60	9:29	Effective	75
61	9:30	Effective	75
62	9:31	Effective	75
63	9:32	Effective	75
64	9:33	Effective	75
65	9:34	Effective	75
66	9:35	Effective	75
67	9:36	Effective	75
68	9:37	Ineffective	
69	9:38	Ineffective	
70	9:39	Ineffective	
71	9:40	Ineffective	
72	9:41	Ineffective	
73	9:42	Ineffective	
74	9:43	Ineffective	
75	9:44	Ineffective	
76	9:45	Ineffective	
77	9:46	Ineffective	
78	9:47	Ineffective	
79	9:48	Ineffective	
80	9:49	Ineffective	
81	9:50	Ineffective	
82	9:51	Ineffective	
83	9:52	Ineffective	
84	9:53	Ineffective	
85	9:54	Ineffective	
86	9:55	Ineffective	
87	9:56	Ineffective	
88	9:57	Ineffective	
89	9:58	Ineffective	
90	9:59	Ineffective	
91	10:00	Ineffective	
92	10:01	Effective	75
93	10:02	Effective	75
94	10:03	Effective	75
95	10:04	Effective	75
96	10:05	Effective	75
97	10:06	Effective	75
98	10:07	Effective	75
99	10:08	Effective	75
100	10:09	Effective	75
101	10:10	Effective	75
102	10:11	Effective	75

49	9:18	Ineffective	
50	9:19	Ineffective	
51	9:20	Ineffective	
52	9:21	Ineffective	
53	9:22	Effective	100
54	9:23	Effective	100
55	9:24	Effective	100
56	9:25	Effective	100
57	9:26	Effective	100
58	9:27	Effective	100
59	9:28	Effective	100
60	9:29	Effective	100
61	9:30	Effective	100
62	9:31	Effective	100
63	9:32	Effective	100
64	9:33	Effective	100
65	9:34	Effective	100
66	9:35	Effective	100
67	9:36	Effective	100
68	9:37	Effective	100
69	9:38	Effective	100
70	9:39	Effective	100
71	9:40	Effective	100
72	9:41	Effective	100
73	9:42	Effective	100
74	9:43	Effective	100
75	9:44	Effective	100
76	9:45	Effective	100
77	9:46	Effective	100
78	9:47	Effective	100
79	9:48	Effective	100
80	9:49	Effective	100
81	9:50	Effective	100
82	9:51	Effective	100
83	9:52	Effective	100
84	9:53	Ineffective	
85	9:54	Ineffective	
86	9:55	Ineffective	
87	9:56	Ineffective	
88	9:57	Ineffective	
89	9:58	Ineffective	
90	9:59	Effective	100
91	10:00	Effective	100
92	10:01	Effective	100
93	10:02	Effective	100
94	10:03	Effective	100
95	10:04	Effective	100
96	10:05	Effective	100
97	10:06	Effective	100
98	10:07	Ineffective	
99	10:08	Ineffective	
100	10:09	Effective	100
101	10:10	Effective	100
102	10:11	Effective	100

103	10:12	Effective	75
104	10:13	Effective	75
105	10:14	Effective	75
106	10:15	Effective	75
107	10:16	Effective	75
108	10:17	Effective	75
109	10:18	Effective	75
110	10:19	Effective	75
111	10:20	Effective	75
112	10:21	Effective	75
113	10:22	Effective	75
114	10:23	Effective	75
115	10:24	Effective	75
116	10:25	Effective	75
117	10:26	Effective	75
118	10:27	Effective	75
119	10:28	Effective	75
120	10:29	Effective	75
121	10:30	Effective	75
122	10:31	Effective	75
123	10:32	Effective	75
124	10:33	Effective	75
125	10:34	Effective	75
126	10:35	Effective	75
127	10:36	Ineffective	
128	10:37	Ineffective	
129	10:38	Effective	75
130	10:39	Effective	75
131	10:40	Effective	75
132	10:41	Effective	75
133	10:42	Effective	75
134	10:43	Effective	75
135	10:44	Effective	75
136	10:45	Effective	75
137	10:46	Effective	75
138	10:47	Effective	75
139	10:48	Effective	75
140	10:49	Effective	75
141	10:50	Effective	75
142	10:51	Effective	75
143	10:52	Effective	75
144	10:53	Effective	75
145	10:54	Effective	75
146	10:55	Effective	75
147	10:56	Effective	75
148	10:57	Effective	75
149	10:58	Effective	75
150	10:59	Effective	75

103	10:12	Effective	100
104	10:13	Effective	100
105	10:14	Effective	100
106	10:15	Effective	100
107	10:16	Effective	100
108	10:17	Effective	100
109	10:18	Effective	100
110	10:19	Effective	100
111	10:20	Effective	100
112	10:21	Effective	100
113	10:22	Effective	100
114	10:23	Effective	100
115	10:24	Effective	100
116	10:25	Effective	100
117	10:26	Effective	100
118	10:27	Effective	100
119	10:28	Effective	100
120	10:29	Effective	100
121	10:30	Effective	100
122	10:31	Ineffective	
123	10:32	Ineffective	
124	10:33	Ineffective	
125	10:34	Ineffective	
126	10:35	Effective	100
127	10:36	Effective	100
128	10:37	Effective	100
129	10:38	Effective	100
130	10:39	Effective	100
131	10:40	Ineffective	
132	10:41	Ineffective	
133	10:42	Ineffective	
134	10:43	Ineffective	
135	10:44	Ineffective	
136	10:45	Ineffective	
137	10:46	Ineffective	
138	10:47	Ineffective	
139	10:48	Ineffective	
140	10:49	Ineffective	
141	10:50	Ineffective	
142	10:51	Ineffective	
143	10:52	Ineffective	
144	10:53	Ineffective	
145	10:54	Ineffective	
146	10:55	Ineffective	
147	10:56	Effective	100
148	10:57	Effective	100
149	10:58	Effective	100
150	10:59	Effective	100

<i>effective</i>	112
<i>ineffective</i>	38
<i>total</i>	150

<i>effective</i>	103
<i>ineffective</i>	47
<i>total</i>	150



<b>RELAXATION ALLOWANCE</b>			
No : 10a	Waktu Mulai : 8:30	Sutarno = 7.1 m2	
Tggl : 11 Nopember 2011	Waktu Selesai : 10:59	Pariyanto = 8.62 m2	
<b>PEKERJA</b>			
Sutarno		Pariyanto	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	5
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>19</b>	<b>TOTAL</b>	<b>22</b>







<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 10 NOPEMBER 2011							
Waktu Mulai : 8:30				Waktu Selesai : 10:59			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Sutarno	<i>effective</i>	112	73,66	82,5	19	98,175	7,1
	<i>ineffective</i>	38					
	<i>total</i>	150	73,66	82,5			
Pariyanto	<i>effective</i>	103	100	103	22	125,66	8,62
	<i>ineffective</i>	47					
	<i>total</i>	150	100	103			
Rata-rata						111,9175	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 10 NOPEMBER 2011					
Waktu Mulai :			Waktu Selesai :		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Sutarno	7,1	13,8275	0,2305	30,3743	0,0329
Pariyanto	8,62	14,5777	0,2430	28,8111	0,0347
Rata-rata				29,5927	0,0338

KOEFISIEN PRODUKTIVITAS TUKANG PADA PEKERJAAN PASANGAN BATA I  
PROYEK HOTEL UNY

HARI	1	2	3	4	5	6	7	8
PAGI	0,0312	0,0327	0,0332	0,0352	0,0310	0,0358	0,0373	0,0396
SORE	0,0315	0,0358	0,0375	0,0343	0,0327	0,0370	-	0,0327

PRODUKTIVITAS TUKANG PADA PEKERJAAN PASANGAN BATA RING/  
PROYEK HOTEL UNY (m2)

HARI	1	2	3	4	5	6	7	8
PAGI	29,5927	30,6684	30,2689	28,5381	32,2855	28,2731	27,0254	25,4290
SORE	31,7945	27,9034	27,2973	29,1917	30,5625	27,0757	-	30,6542

STANDARD TIME TUKANG PADA PEKERJAAN PASANGAN BATA RING  
PROYEK HOTEL UNY (menit)

HARI	1	2	3	4	5	6	7	8
PAGI	109,9	106,3	72,3	94,2	94,4	120,3	115,3	87,5
SORE	106,9	118,1	97,6	84,5	128,6	121,8	-	90,9

A RINGAI

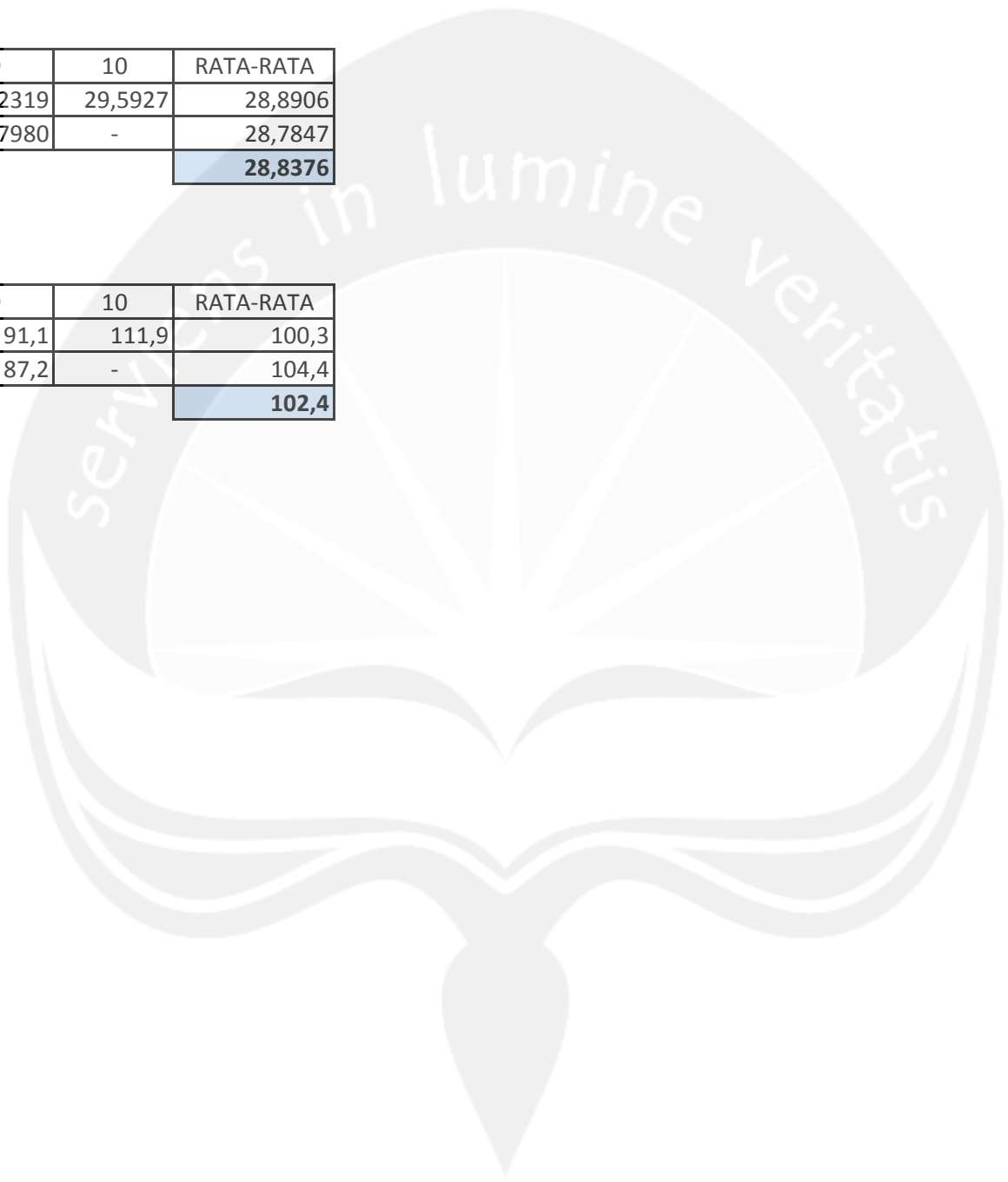
9	10	RATA-RATA
0,0370	0,0338	0,0347
0,0389	-	0,0350
		<b>0,0349</b>

SAI

9	10	RATA-RATA
27,2319	29,5927	28,8906
25,7980	-	28,7847
		<b>28,8376</b>

GA

9	10	RATA-RATA
91,1	111,9	100,3
87,2	-	104,4
		<b>102,4</b>



## HOTEL UNY

No	Hari / Tanggal / sesi	Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek	
1	Senin 31 Okt 2011 Pagi	Noto	effective	98	100	98	24	121,52	9,76	109,9
			ineffective	29						
			total	127	100	98				
		Slamed	effective	78	100	78	26	98,28	7,15	
			ineffective	49						
			total	127	100	78				
2	Senin 31 Okt 2011 Sore	Noto	effective	77	100	77	28	98,56	7,65	106,88
			ineffective	43						
			total	120	100	77				
		Slamed	effective	90	100	90	28	115,2	8,5	
			ineffective	30						
			total	120	100	90				
3	Selasa 1 Nov 2011 Pagi	Noto	effective	78	100	78	24	96,72	7,4	106,32
			ineffective	49						
			total	127	100	78				
		Slamed	effective	92	100	92	26	115,92	8,06	
			ineffective	35						
			total	127	100	92				
4	Selasa 1 Nov 2011 Sore	Noto	effective	102	100	102	25	127,5	8,5	118,125
			ineffective	24						
			total	126	100	102				
		Slamed	effective	87	100	87	25	108,75	7,2	
			ineffective	39						
			total	126	100	87				
5	Rabu 2 Nov 2011 Pagi	Slamed R	effective	70	75	52,5	23	64,575	4,3	72,2625
			ineffective	50						
			total	120	75	52,5				
		Ahmad	effective	65	100	65	23	79,95	6,2	
			ineffective	55						
			total	120	100	65				
6	Rabu 2 Nov 2011 Sore	Slamed R	effective	101	75	75,75	25	94,6875	5,2	97,56375
			ineffective	32						
			total	133	75	75,75				
		Ahmad	effective	81	100	81	24	100,44	7,54	
			ineffective	52						
			total	133	100	81				
7	Kamis 3 Nov 2011 Pagi	Slamed R	effective	88	75	66	21	79,86	5,1	94,21
			ineffective	42						
			total	130	75	66				
		Ahmad	effective	92	100	92	18	108,56	7,82	
			ineffective	38						
			total	130	100	92				
8	Kamis 3 Nov 2011 Sore	Slamed R	effective	83	75	62,25	22	75,945	5,2	84,4725
			ineffective	52						
			total	135	75	62,25				
		Ahmad	effective	75	100	75	24	93	6,56	
			ineffective	60						
			total	135	100	75				
9	Jumat 4 Nov 2011 Pagi	Usrih	effective	69	125	86,25	18	101,775	7,89	94,4475
			ineffective	63						
			total	132	125	86,25				
		Nurhadi	effective	72	100	72	21	87,12	6,64	
			ineffective	60						
			total	132	100	72				
10	Jumat 4 Nov 2011 Sore	Usrih	effective	93	125	116,25	21	140,6625	10,4	128,64125
			ineffective	57						
			total	150	125	116,25				
		Nurhadi	effective	98	100	98	19	116,62	8,35	
			ineffective	52						
			total	150	100	98				
11	Sabtu 5 Nov 2011 Pagi	Usrih	effective	80	125	100	22	122	9,1	120,29
			ineffective	49						
			total	129	125	100				
		Nurhadi	effective	98	100	98	21	118,58	7,12	
			ineffective	31						
			total	129	100	98				
12	Sabtu 5 Nov 2011 Sore	Usrih	effective	88	125	110	21	133,1	8,83	121,75
			ineffective	48						
			total	136	125	110				
		Nurhadi	effective	92	100	92	20	110,4	6,91	
			ineffective	44						
			total	136	100	92				
13	Selasa 8 Nov 2011 Pagi	Usrih	effective	95	125	118,75	19	141,3125	8,29	115,28125
			ineffective	40						
			total	135	125	118,75				
		Nurhadi	effective	75	100	75	19	89,25	6,25	
			ineffective	60						
			total	135	100	75				
14	Rabu 9 Nov 2011 Pagi	Sutarno	effective	64	75	48	27	60,96	3,39	87,52
			ineffective	71						
			total	135	75	48				
		Pariyanto	effective	92	100	92	24	114,08	7,47	
			ineffective	43						
			total	135	100	92				
15	Rabu 9 Nov 2011 Sore	Ahmad	effective	75	100	75	31	98,25	6,93	90,88125
			ineffective	45						
			total	120	100	75				
		Slamet R	effective	85	75	63,75	31	83,5125	6,3	
			ineffective	35						
			total	120	75	63,75				
16	Kamis 10 Nov 2011 Pagi	Sutarno	effective	83	75	62,25	23	76,5675	5,39	91,08375
			ineffective	42						
			total	125	75	62,25				
		Pariyanto	effective	88	100	88	20	105,6	6,26	
			ineffective	37						
			total	125	100	88				

17	Kamis 10 Nov 2011 Sore	Sutarno	<i>effective</i>	67	75	50,25	28	64,32	3,75	87,16
			<i>ineffective</i>	63						
			<i>total</i>	130	75	50,25				
		Pariyanto	<i>effective</i>	88	100	88	25	110	7,1	
			<i>ineffective</i>	42						
			<i>total</i>	130	100	88				
18	Jumat 11 Nov 2011 Pagi	Sutarno	<i>effective</i>	112	73,66071	82,5	19	98,175	7,1	111,9175
			<i>ineffective</i>	38						
			<i>total</i>	150	73,66071	82,5				
		Pariyanto	<i>effective</i>	103	100	103	22	125,66	8,62	
			<i>ineffective</i>	47						
			<i>total</i>	150	100	103				

102,1503472

102,1503472





**LAMPIRAN II**  
**DATA PROYEK PEMBANGUNAN GEDUNG HOTEL EDELWEISS**

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO : 1a		Waktu Mulai : 08.57			Pekerja 1 = 1.336 m2				
TggL : 24 Oktober 2011		Waktu Selesai : 11.27			Pekerja 2 = 1.460 m2				
PEKERJA									
(1) Uyik					(2) Slamet				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC	Rate	BT
1	8:57	<i>Efective</i>	75	28,5	1	8:57	<i>Effective</i>	75	35,25
2	8:58	<i>Efective</i>	75		2	8:58	<i>Effective</i>	75	
3	8:59	<i>Efective</i>	75		3	8:59	<i>Ineffective</i>		
4	9:00	<i>Efective</i>	75		4	9:00	<i>Ineffective</i>		
5	9:01	<i>Efective</i>	75		5	9:01	<i>Effective</i>	75	
6	9:02	<i>Efective</i>	75		6	9:02	<i>Effective</i>	75	
7	9:03	<i>Efective</i>	75		7	9:03	<i>Ineffective</i>		
8	9:04	<i>Efective</i>	75		8	9:04	<i>Ineffective</i>		
9	9:05	<i>Efective</i>	75		9	9:05	<i>Ineffective</i>		
10	9:06	<i>Efective</i>	75		10	9:06	<i>Ineffective</i>		
11	9:07	<i>Ineffective</i>			11	9:07	<i>Ineffective</i>		
12	9:08	<i>Efective</i>	75		12	9:08	<i>Ineffective</i>		
13	9:09	<i>Efective</i>	75		13	9:09	<i>Ineffective</i>		
14	9:10	<i>Efective</i>	75		14	9:10	<i>Ineffective</i>		
15	9:11	<i>Efective</i>	75		15	9:11	<i>Ineffective</i>		
16	9:12	<i>Efective</i>	75		16	9:12	<i>Ineffective</i>		
17	9:13	<i>Efective</i>	75		17	9:13	<i>Ineffective</i>		
18	9:14	<i>Efective</i>	75		18	9:14	<i>Ineffective</i>		
19	9:15	<i>Ineffective</i>			19	9:15	<i>Ineffective</i>		
20	9:16	<i>Ineffective</i>			20	9:16	<i>Ineffective</i>		
21	9:17	<i>Ineffective</i>			21	9:17	<i>Ineffective</i>		
22	9:18	<i>Ineffective</i>			22	9:18	<i>Ineffective</i>		
23	9:19	<i>Ineffective</i>		23	9:19	<i>Ineffective</i>			
24	9:20	<i>Ineffective</i>		24	9:20	<i>Ineffective</i>			
25	9:21	<i>Ineffective</i>		25	9:21	<i>Ineffective</i>			
26	9:22	<i>Ineffective</i>		26	9:22	<i>Ineffective</i>			
27	9:23	<i>Ineffective</i>		27	9:23	<i>Ineffective</i>			
28	9:24	<i>Ineffective</i>		28	9:24	<i>Ineffective</i>			
29	9:25	<i>Ineffective</i>		29	9:25	<i>Ineffective</i>			
30	9:26	<i>Ineffective</i>		30	9:26	<i>Ineffective</i>			
31	9:27	<i>Ineffective</i>		31	9:27	<i>Ineffective</i>			
32	9:28	<i>Ineffective</i>		32	9:28	<i>Ineffective</i>			
33	9:29	<i>Ineffective</i>		33	9:29	<i>Ineffective</i>			
34	9:30	<i>Ineffective</i>		34	9:30	<i>Ineffective</i>			
35	9:31	<i>Ineffective</i>		35	9:31	<i>Ineffective</i>			
36	9:32	<i>Ineffective</i>		36	9:32	<i>Ineffective</i>			
37	9:33	<i>Ineffective</i>		37	9:33	<i>Ineffective</i>			
38	9:34	<i>Ineffective</i>		38	9:34	<i>Ineffective</i>			
39	9:35	<i>Ineffective</i>		39	9:35	<i>Ineffective</i>			
40	9:36	<i>Ineffective</i>		40	9:36	<i>Ineffective</i>			
41	9:37	<i>Ineffective</i>		41	9:37	<i>Ineffective</i>			
42	9:38	<i>Ineffective</i>		42	9:38	<i>Ineffective</i>			
43	9:39	<i>Ineffective</i>		43	9:39	<i>Ineffective</i>			
44	9:40	<i>Ineffective</i>		44	9:40	<i>Ineffective</i>			

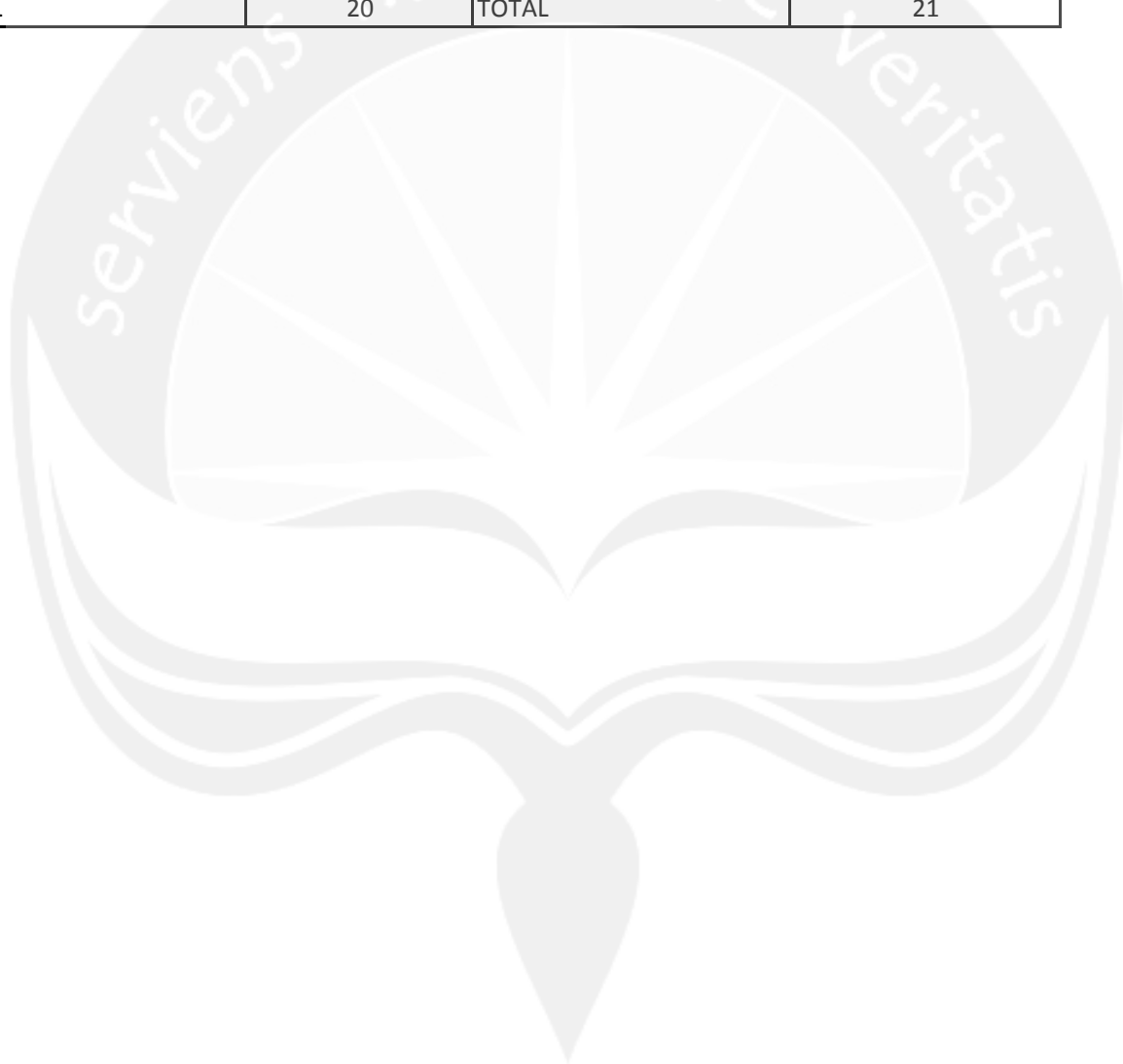
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65	10:01	<i>Ineffective</i>	
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74	10:10	<i>Ineffective</i>	
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148	11:24	<i>Efective</i>	75
<i>effective work</i>			38
<i>ineffective work</i>			110
<i>total time</i>			148

99	10:35	<i>Effective</i>	75
100	10:36	<i>Effective</i>	75
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102	10:38	<i>Effective</i>	75
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135	11:11	<i>Effective</i>	75
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137	11:13	<i>Effective</i>	75
138	11:14	<i>Effective</i>	75
139	11:15	<i>Effective</i>	75
140	11:16	<i>Effective</i>	75
141	11:17	<i>Effective</i>	75
142	11:18	<i>Ineffective</i>	
143	11:19	<i>Ineffective</i>	
144	11:20	<i>Effective</i>	75
145	11:21	<i>Effective</i>	75
146	11:22	<i>Effective</i>	75
147	11:23	<i>Effective</i>	75
148	11:24	<i>Ineffective</i>	
<i>effective work</i>			47
<i>ineffective work</i>			101
<i>total time</i>			148

<b>RELAXATION ALLOWANCE</b>			
No : 1a	Waktu Mulai : 08.57	Pekerja 1 = 1.336 m2	
Tgg! : 24 Oktober 2011	Waktu Selesai : 11.27	Pekerja 2 = 1.460 m2	
<b>PEKERJA</b>			
<b>(1) Uyik</b>		<b>(2) Slamet</b>	
<b>Kondisi</b>	<b>% Relaxation</b>	<b>Kondisi</b>	<b>% Relaxation</b>
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	2
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>20</b>	<b>TOTAL</b>	<b>21</b>



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 24 OKTOBER 2011							
Waktu Mulai : 08.57				Waktu Selesai : 11.27			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
(1) Uyik	<i>effective</i>	38	75	28,5	20	34,2	1,336
	<i>ineffective</i>	110					
	<i>total</i>	148	75	28,5			
(2) Slamet	<i>effective</i>	47	75	35,25	21	42,6525	1,46
	<i>ineffective</i>	101					
	<i>total</i>	148	75	35,25			
Rata-rata						38,42625	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 24 OKTOBER 2011					
Waktu Mulai : 08.57			Waktu Selesai : 11.27		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
(1) Uyik	1,336	25,5988	0,4266	16,4070	0,0609
(2) Slamet	1,46	29,2140	0,4869	14,3766	0,0696
Rata-rata				15,3918	0,0653

**RATED ACTIVITY SAMPLING OBSERVATIO S SHEET**

NO : 1b	Waktu Mulai : 14.30	Pekerja 1 = 5.8041m2
TggL : 24 Oktober 2011	Waktu Selesai : 16.45	

**PEKERJA**

1. Ujik

No	Waktu	ATC	Rate	BT	No	Waktu	ATC	Rate	BT
1	14:30	<i>Effective</i>	75	<b>90</b>	1				
2	14:31	<i>Effective</i>	75		2				
3	14:32	<i>Effective</i>	75		3				
4	14:33	<i>Effective</i>	75		4				
5	14:34	<i>Effective</i>	75		5				
6	14:35	<i>Effective</i>	75		6				
7	14:36	<i>Effective</i>	75		7				
8	14:37	<i>Effective</i>	75		8				
9	14:38	<i>Effective</i>	75		9				
10	14:39	<i>Effective</i>	75		10				
11	14:40	<i>Effective</i>	75		11				
12	14:41	<i>Effective</i>	75		12				
13	14:42	<i>Effective</i>	75		13				
14	14:43	<i>Effective</i>	75		14				
15	14:44	<i>Effective</i>	75		15				
16	14:45	<i>Effective</i>	75		16				
17	14:46	<i>Effective</i>	75		17				
18	14:47	<i>Effective</i>	75		18				
19	14:48	<i>Effective</i>	75		19				
20	14:49	<i>Effective</i>	75		20				
21	14:50	<i>Effective</i>	75		21				
22	14:51	<i>Effective</i>	75		22				
23	14:52	<i>Effective</i>	75		23				
24	14:53	<i>Effective</i>	75		24				
25	14:54	<i>Effective</i>	75		25				
26	14:55	<i>Effective</i>	75		26				
27	14:56	<i>Effective</i>	75		27				
28	14:57	<i>Effective</i>	75		28				
29	14:58	<i>Effective</i>	75		29				
30	14:59	<i>Effective</i>	75		30				
31	15:00	<i>Effective</i>	75		31				
32	15:01	<i>Effective</i>	75		32				
33	15:02	<i>Effective</i>	75		33				
34	15:03	<i>Effective</i>	75		34				
35	15:04	<i>Effective</i>	75		35				
36	15:05	<i>Effective</i>	75		36				
37	15:06	<i>Effective</i>	75		37				
38	15:07	<i>Effective</i>	75		38				
39	15:08	<i>Effective</i>	75		39				
40	15:09	<i>Effective</i>	75		40				
41	15:10	<i>Ineffective</i>			41				
42	15:11	<i>Ineffective</i>			42				
43	15:12	<i>Ineffective</i>			43				
44	15:13	<i>Ineffective</i>			44				
45	15:14	<i>Ineffective</i>			45				
46	15:15	<i>Effective</i>	75		46				
47	15:16	<i>Effective</i>	75		47				

48	15:17	Effective	75
49	15:18	Effective	75
50	15:19	Ineffective	
51	15:20	Effective	75
52	15:21	Effective	75
53	15:22	Effective	75
54	15:23	Effective	75
55	15:24	Effective	75
56	15:25	Effective	75
57	15:26	Effective	75
58	15:27	Effective	75
59	15:28	Effective	75
60	15:29	Effective	75
61	15:30	Effective	75
62	15:31	Effective	75
63	15:32	Effective	75
64	15:33	Effective	75
65	15:34	Ineffective	
66	15:35	Ineffective	
67	15:36	Effective	75
68	15:37	Effective	75
69	15:38	Effective	75
70	15:39	Effective	75
71	15:40	Effective	75
72	15:41	Effective	75
73	15:42	Effective	75
74	15:43	Effective	75
75	15:44	Effective	75
76	15:45	Effective	75
77	15:46	Effective	75
78	15:47	Effective	75
79	15:48	Effective	75
80	15:49	Effective	75
81	15:50	Effective	75
82	15:51	Effective	75
83	15:52	Effective	75
84	15:53	Effective	75
85	15:54	Effective	75
86	15:55	Effective	75
87	15:56	Effective	75
88	15:57	Effective	75
89	15:58	Effective	75
90	15:59	Effective	75
91	16:00	Effective	75
92	16:01	Effective	75
93	16:02	Effective	75
94	16:03	Effective	75
95	16:04	Effective	75
96	16:05	Ineffective	
97	16:06	Ineffective	
98	16:07	Ineffective	
99	16:08	Ineffective	
100	16:09	Ineffective	
101	16:10	Effective	75

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102	16:11	Effective	75
103	16:12	Effective	75
104	16:13	Effective	75
105	16:14	Effective	75
106	16:15	Effective	75
107	16:16	Effective	75
108	16:17	Effective	75
109	16:18	Effective	75
110	16:19	Effective	75
111	16:20	Effective	75
112	16:21	Effective	75
113	16:22	Effective	75
114	16:23	Effective	75
115	16:24	Effective	75
116	16:25	Effective	75
117	16:26	Effective	75
118	16:27	Effective	75
119	16:28	Effective	75
120	16:29	Effective	75
121	16:30	Effective	75
122	16:31	Effective	75
123	16:32	Effective	75
124	16:33	Effective	75
125	16:34	Effective	75
126	16:35	Effective	75
127	16:36	Effective	75
128	16:37	Effective	75
129	16:38	Ineffective	
130	16:39	Effective	75
131	16:40	Effective	75
132	16:41	Effective	75
133	16:42	Effective	75
134	16:43	Ineffective	
135	16:44	Effective	75
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<i>effective</i>	120
<i>ineffective</i>	15
<i>total</i>	135

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RELAXATION ALLOWANCE			
No : 1b	Waktu Mulai : 14.30	Pekerja 1 = 5.8041m2	
Tggl : 24 Oktober 2011	Waktu Selesai : 16.45	0	
PEKERJA			
1. Ujik		0	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	1	Konsentrasi	
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	
Kebisingan	1	Kebisingan	
Suhu	0	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	19	TOTAL	







<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 24 OKTOBER 2011							
Waktu Mulai : 14.30				Waktu Selesai : 16.45			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
1. Ujik	<i>effective</i>	120	75	90	19	107,1	5,8041
	<i>ineffective</i>	15					
	<i>total</i>	135	75	90			
0	<i>effective</i>	0		0	0	0	
	<i>ineffective</i>	0					
	<i>total</i>	0		0			
Rata-rata						107,1	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 24 OKTOBER 2011					
Waktu Mulai : 14.30			Waktu Selesai : 16.45		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
1. Ujik	5,8041	18,4525	0,3075	22,7612	0,043934
0	0	0	0	0	0
Rata-rata				11,3806	0,0439

**RATED ACTIVITY SAMPLING OBSERVATIO S SHEET**

NO 2a	Waktu Mulai : 09.27	Pekerja 1 = 2.8456m2 Pekerja 2 = 3.1680m2
TggL : 25 Oktober 2011	Waktu Selesai : 11.30	

**PEKERJA**

(4) Bambang					(5) Mukroji				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC	Rate	BT
1	9:27	Effective	75	<b>57,75</b>	1	9:27	Ineffective		
2	9:28	Effective	75		2	9:28	Ineffective		
3	9:29	Effective	75		3	9:29	Ineffective		
4	9:30	Effective	75		4	9:30	Ineffective		
5	9:31	Effective	75		5	9:31	Ineffective		
6	9:32	Effective	75		6	9:32	Ineffective		
7	9:33	Effective	75		7	9:33	Ineffective		
8	9:34	Effective	75		8	9:34	Ineffective		
9	9:35	Ineffective			9	9:35	Ineffective		
10	9:36	Effective	75		10	9:36	Ineffective		
11	9:37	Effective	75		11	9:37	Ineffective		
12	9:38	Effective	75		12	9:38	Ineffective		
13	9:39	Effective	75		13	9:39	Ineffective		
14	9:40	Effective	75		14	9:40	Ineffective		
15	9:41	Effective	75		15	9:41	Ineffective		
16	9:42	Effective	75		16	9:42	Ineffective		
17	9:43	Effective	75		17	9:43	Ineffective		
18	9:44	Effective	75		18	9:44	Effective	50	
19	9:45	Effective	75		19	9:45	Effective	50	
20	9:46	Effective	75		20	9:46	Effective	50	
21	9:47	Effective	75		21	9:47	Effective	50	
22	9:48	Effective	75		22	9:48	Effective	50	
23	9:49	Effective	75		23	9:49	Effective	50	
24	9:50	Ineffective			24	9:50	Effective	50	
25	9:51	Ineffective			25	9:51	Effective	50	
26	9:52	Effective	75		26	9:52	Effective	50	
27	9:53	Effective	75		27	9:53	Effective	50	
28	9:54	Effective	75		28	9:54	Effective	50	
29	9:55	Effective	75		29	9:55	Effective	50	
30	9:56	Effective	75		30	9:56	Effective	50	
31	9:57	Effective	75		31	9:57	Effective	50	
32	9:58	Effective	75		32	9:58	Effective	50	
33	9:59	Effective	75		33	9:59	Effective	50	
34	10:00	Effective	75		34	10:00	Effective	50	
35	10:01	Effective	75		35	10:01	Effective	50	
36	10:02	Effective	75		36	10:02	Ineffective		
37	10:03	Effective	75		37	10:03	Ineffective		
38	10:04	Effective	75		38	10:04	Ineffective		
39	10:05	Effective	75		39	10:05	Ineffective		
40	10:06	Effective	75		40	10:06	Ineffective		
41	10:07	Effective	75		41	10:07	Ineffective		
42	10:08	Ineffective			42	10:08	Ineffective		
43	10:09	Ineffective			43	10:09	Ineffective		
44	10:10	Effective	75		44	10:10	Ineffective		
45	10:11	Effective	75		45	10:11	Ineffective		
46	10:12	Effective	75		46	10:12	Ineffective		
47	10:13	Effective	75		47	10:13	Ineffective		

48	10:14	Effective	75
49	10:15	Effective	75
50	10:16	Effective	75
51	10:17	Ineffective	
52	10:18	Ineffective	
53	10:19	Effective	75
54	10:20	Effective	75
55	10:21	Effective	75
56	10:22	Effective	75
57	10:23	Effective	75
58	10:24	Effective	75
59	10:25	Effective	75
60	10:26	Effective	75
61	10:27	Effective	75
62	10:28	Ineffective	
63	10:29	Ineffective	
64	10:30	Ineffective	
65	10:31	Ineffective	
66	10:32	Ineffective	
67	10:33	Ineffective	
68	10:34	Ineffective	
69	10:35	Ineffective	
70	10:36	Ineffective	
71	10:37	Ineffective	
72	10:38	Ineffective	
73	10:39	Ineffective	
74	10:40	Ineffective	
75	10:41	Ineffective	
76	10:42	Ineffective	
77	10:43	Ineffective	
78	10:44	Ineffective	
79	10:45	Ineffective	
80	10:46	Ineffective	
81	10:47	Ineffective	
82	10:48	Ineffective	
83	10:49	Ineffective	
84	10:50	Ineffective	
85	10:51	Ineffective	
86	10:52	Ineffective	
87	10:53	Ineffective	
88	10:54	Ineffective	
89	10:55	Ineffective	
90	10:56	Ineffective	
91	10:57	Ineffective	
92	10:58	Ineffective	
93	10:59	Ineffective	
94	11:00	Ineffective	
95	11:01	Ineffective	
96	11:02	Ineffective	
97	11:03	Ineffective	
98	11:04	Ineffective	
99	11:05	Ineffective	
100	11:06	Ineffective	
101	11:07	Effective	75

48	10:14	Ineffective		
49	10:15	Ineffective		
50	10:16	Ineffective		
51	10:17	Ineffective		
52	10:18	Ineffective		
53	10:19	Ineffective		
54	10:20	Ineffective		
55	10:21	Ineffective		
56	10:22	Ineffective		
57	10:23	Ineffective		
58	10:24	Ineffective		
59	10:25	Ineffective		
60	10:26	Ineffective		
61	10:27	Ineffective		
62	10:28	Ineffective		
63	10:29	Ineffective		
64	10:30	Effective	50	
65	10:31	Effective	50	
66	10:32	Effective	50	
67	10:33	Ineffective		
68	10:34	Ineffective		
69	10:35	Ineffective		
70	10:36	Ineffective		
71	10:37	Ineffective		
72	10:38	Ineffective		
73	10:39	Effective	50	
74	10:40	Effective	50	
75	10:41	Ineffective		
76	10:42	Ineffective		
77	10:43	Effective	50	
78	10:44	Effective	50	
79	10:45	Effective	50	
80	10:46	Effective	50	
81	10:47	Effective	50	
82	10:48	Effective	50	
83	10:49	Effective	50	
84	10:50	Effective	50	
85	10:51	Effective	50	
86	10:52	Effective	50	
87	10:53	Effective	50	
88	10:54	Effective	50	
89	10:55	Effective	50	
90	10:56	Effective	50	
91	10:57	Ineffective		
92	10:58	Effective	50	
93	10:59	Effective	50	
94	11:00	Effective	50	
95	11:01	Effective	50	
96	11:02	Effective	50	
97	11:03	Effective	50	
98	11:04	Effective	50	
99	11:05	Effective	50	
100	11:06	Effective	50	
101	11:07	Effective	50	

102	11:08	Effective	75
103	11:09	Effective	75
104	11:10	Effective	75
105	11:11	Effective	75
106	11:12	Effective	75
107	11:13	Effective	75
108	11:14	Effective	75
109	11:15	Effective	75
110	11:16	Effective	75
111	11:17	Effective	75
112	11:18	Effective	75
113	11:19	Effective	75
114	11:20	Effective	75
115	11:21	Effective	75
116	11:22	Effective	75
117	11:23	Effective	75
118	11:24	Effective	75
119	11:25	Effective	75
120	11:26	Effective	75
121	11:27	Effective	75
122	11:28	Effective	75
123	11:29	Effective	75
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<i>effective</i>	77
<i>ineffective</i>	46
<i>total</i>	123

102	11:08	Effective	50
103	11:09	Effective	50
104	11:10	Effective	50
105	11:11	Effective	50
106	11:12	Effective	50
107	11:13	Effective	50
108	11:14	Effective	50
109	11:15	Effective	50
110	11:16	Effective	50
111	11:17	Effective	50
112	11:18	Effective	50
113	11:19	Effective	50
114	11:20	Effective	50
115	11:21	Effective	50
116	11:22	Effective	50
117	11:23	Effective	50
118	11:24	Effective	50
119	11:25	Effective	50
120	11:26	Effective	50
121	11:27	Effective	50
122	11:28	Effective	50
123	11:29	Effective	50
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<i>effective</i>	69
<i>ineffective</i>	54
<i>total</i>	123

<b>RELAXATION ALLOWANCE</b>			
No 2a	Waktu Mulai : 09.27	Pekerja 1 = 2.8456m <sup>2</sup>	
Tggl : 25 Oktober 2011	Waktu Selesai : 11.30	Pekerja 2 = 3.1680m <sup>2</sup>	
<b>PEKERJA</b>			
<b>(4) Bambang</b>		<b>(5) Mukroji</b>	
<b>Kondisi</b>	<b>% Relaxation</b>	<b>Kondisi</b>	<b>% Relaxation</b>
Standar	8	Standar	8
Posisi Kerja	4	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>21</b>	<b>TOTAL</b>	<b>19</b>









<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 25 OKTOBER 2011							
Waktu Mulai : 09.27				Waktu Selesai : 11.30			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
(4) Bambang	<i>effective</i>	77	75	57,75	21	69,8775	2,8456
	<i>ineffective</i>	46					
	<i>total</i>	123	75	57,75			
(5) Mukroji	<i>effective</i>	69	50	34,5	19	41,055	3,168
	<i>ineffective</i>	54					
	<i>total</i>	123	50	34,5			
Rata-rata						55,46625	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 25 OKTOBER 2011					
Waktu Mulai : 09.27			Waktu Selesai : 11.30		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
(4) Bambang	2,8456	24,5563	0,4093	17,1035	0,0585
(5) Mukroji	3,168	12,9593	0,2160	32,4092	0,0309
Rata-rata				24,7564	0,0447

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO : 2b		Waktu Mulai : 14.50			Pekerja 1 = 4.5400m2				
TggL : 25 Oktober 2011		Waktu Selesai : 16.45			Pekerja 2 = 4.3154m2				
PEKERJA									
(1) Uyik					(5) Mukroji				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC	Rate	BT
1	14:50	Effective	75	60,75	1	14:50	Effective	50	
2	14:51	Effective	75		2	14:51	Effective	50	
3	14:52	Effective	75		3	14:52	Effective	50	
4	14:53	Effective	75		4	14:53	Effective	50	
5	14:54	Effective	75		5	14:54	Effective	50	
6	14:55	Effective	75		6	14:55	Effective	50	
7	14:56	Effective	75		7	14:56	Effective	50	
8	14:57	Effective	75		8	14:57	Effective	50	
9	14:58	Effective	75		9	14:58	Effective	50	
10	14:59	Effective	75		10	14:59	Effective	50	
11	15:00	Effective	75		11	15:00	Effective	50	
12	15:01	Effective	75		12	15:01	Effective	50	
13	15:02	Effective	75		13	15:02	Ineffective		
14	15:03	Effective	75		14	15:03	Ineffective		
15	15:04	Effective	75		15	15:04	Ineffective		
16	15:05	Effective	75		16	15:05	Ineffective		
17	15:06	Effective	75		17	15:06	Ineffective		
18	15:07	Effective	75		18	15:07	Ineffective		
19	15:08	Effective	75		19	15:08	Ineffective		
20	15:09	Effective	75		20	15:09	Ineffective		
21	15:10	Effective	75		21	15:10	Ineffective		
22	15:11	Effective	75		22	15:11	Ineffective		
23	15:12	Effective	75		23	15:12	Ineffective		
24	15:13	Effective	75		24	15:13	Ineffective		
25	15:14	Effective	75		25	15:14	Ineffective		
26	15:15	Effective	75		26	15:15	Ineffective		
27	15:16	Effective	75		27	15:16	Ineffective		
28	15:17	Effective	75		28	15:17	Ineffective		
29	15:18	Effective	75		29	15:18	Effective	50	
30	15:19	Effective	75		30	15:19	Effective	50	
31	15:20	Effective	75		31	15:20	Effective	50	
32	15:21	Effective	75		32	15:21	Effective	50	
33	15:22	Effective	75		33	15:22	Effective	50	
34	15:23	Effective	75		34	15:23	Effective	50	
35	15:24	Effective	75		35	15:24	Effective	50	
36	15:25	Effective	75		36	15:25	Effective	50	
37	15:26	Ineffective			37	15:26	Ineffective		
38	15:27	Ineffective			38	15:27	Ineffective		
39	15:28	Effective	75		39	15:28	Ineffective		
40	15:29	Effective	75		40	15:29	Effective	50	
41	15:30	Effective	75		41	15:30	Effective	50	
42	15:31	Effective	75		42	15:31	Effective	50	
43	15:32	Effective	75		43	15:32	Effective	50	
44	15:33	Effective	75		44	15:33	Effective	50	
45	15:34	Effective	75		45	15:34	Effective	50	
46	15:35	Ineffective			46	15:35	Effective	50	
47	15:36	Ineffective			47	15:36	Effective	50	

48	15:37	<i>Ineffective</i>	
49	15:38	<i>Effective</i>	75
50	15:39	<i>Effective</i>	75
51	15:40	<i>Effective</i>	75
52	15:41	<i>Effective</i>	75
53	15:42	<i>Effective</i>	75
54	15:43	<i>Effective</i>	75
55	15:44	<i>Effective</i>	75
56	15:45	<i>Effective</i>	75
57	15:46	<i>Effective</i>	75
58	15:47	<i>Effective</i>	75
59	15:48	<i>Effective</i>	75
60	15:49	<i>Effective</i>	75
61	15:50	<i>Effective</i>	75
62	15:51	<i>Effective</i>	75
63	15:52	<i>Effective</i>	75
64	15:53	<i>Effective</i>	75
65	15:54	<i>Effective</i>	75
66	15:55	<i>Effective</i>	75
67	15:56	<i>Effective</i>	75
68	15:57	<i>Effective</i>	75
69	15:58	<i>Effective</i>	75
70	15:59	<i>Effective</i>	75
71	16:00	<i>Effective</i>	75
72	16:01	<i>Effective</i>	75
73	16:02	<i>Effective</i>	75
74	16:03	<i>Effective</i>	75
75	16:04	<i>Effective</i>	75
76	16:05	<i>Effective</i>	75
77	16:06	<i>Ineffective</i>	
78	16:07	<i>Ineffective</i>	
79	16:08	<i>Ineffective</i>	
80	16:09	<i>Effective</i>	75
81	16:10	<i>Effective</i>	75
82	16:11	<i>Effective</i>	75
83	16:12	<i>Effective</i>	75
84	16:13	<i>Effective</i>	75
85	16:14	<i>Effective</i>	75
86	16:15	<i>Effective</i>	75
87	16:16	<i>Effective</i>	75
88	16:17	<i>Effective</i>	75
89	16:18	<i>Effective</i>	75
90	16:19	<i>Ineffective</i>	
91	16:20	<i>Ineffective</i>	
92	16:21	<i>Ineffective</i>	
93	16:22	<i>Ineffective</i>	
94	16:23	<i>Ineffective</i>	
95	16:24	<i>Ineffective</i>	
96	16:25	<i>Ineffective</i>	
97	16:26	<i>Ineffective</i>	
98	16:27	<i>Ineffective</i>	
99	16:28	<i>Ineffective</i>	
100	16:29	<i>Ineffective</i>	
101	16:30	<i>Ineffective</i>	

48	15:37	<i>Effective</i>	50
49	15:38	<i>Effective</i>	50
50	15:39	<i>Effective</i>	50
51	15:40	<i>Effective</i>	50
52	15:41	<i>Effective</i>	50
53	15:42	<i>Effective</i>	50
54	15:43	<i>Effective</i>	50
55	15:44	<i>Effective</i>	50
56	15:45	<i>Effective</i>	50
57	15:46	<i>Effective</i>	50
58	15:47	<i>Effective</i>	50
59	15:48	<i>Effective</i>	50
60	15:49	<i>Effective</i>	50
61	15:50	<i>Effective</i>	50
62	15:51	<i>Effective</i>	50
63	15:52	<i>Effective</i>	50
64	15:53	<i>Effective</i>	50
65	15:54	<i>Effective</i>	50
66	15:55	<i>Effective</i>	50
67	15:56	<i>Effective</i>	50
68	15:57	<i>Effective</i>	50
69	15:58	<i>Effective</i>	50
70	15:59	<i>Effective</i>	50
71	16:00	<i>Effective</i>	50
72	16:01	<i>Effective</i>	50
73	16:02	<i>Effective</i>	50
74	16:03	<i>Effective</i>	50
75	16:04	<i>Effective</i>	50
76	16:05	<i>Ineffective</i>	
77	16:06	<i>Ineffective</i>	
78	16:07	<i>Effective</i>	50
79	16:08	<i>Effective</i>	50
80	16:09	<i>Effective</i>	50
81	16:10	<i>Effective</i>	50
82	16:11	<i>Effective</i>	50
83	16:12	<i>Effective</i>	50
84	16:13	<i>Ineffective</i>	
85	16:14	<i>Ineffective</i>	
86	16:15	<i>Ineffective</i>	
87	16:16	<i>Ineffective</i>	
88	16:17	<i>Ineffective</i>	
89	16:18	<i>Ineffective</i>	
90	16:19	<i>Ineffective</i>	
91	16:20	<i>Effective</i>	50
92	16:21	<i>Effective</i>	50
93	16:22	<i>Effective</i>	50
94	16:23	<i>Effective</i>	50
95	16:24	<i>Effective</i>	50
96	16:25	<i>Effective</i>	50
97	16:26	<i>Effective</i>	50
98	16:27	<i>Effective</i>	50
99	16:28	<i>Effective</i>	50
100	16:29	<i>Effective</i>	50
101	16:30	<i>Effective</i>	50

102	16:31	<i>Ineffective</i>	
103	16:32	<i>Ineffective</i>	
104	16:33	<i>Ineffective</i>	
105	16:34	<i>Ineffective</i>	
106	16:35	<i>Ineffective</i>	
107	16:36	<i>Ineffective</i>	
108	16:37	<i>Ineffective</i>	
109	16:38	<i>Ineffective</i>	
110	16:39	<i>Ineffective</i>	
111	16:40	<i>Ineffective</i>	
112	16:41	<i>Ineffective</i>	
113	16:42	<i>Ineffective</i>	
114	16:43	<i>Ineffective</i>	
115	16:44	<i>Ineffective</i>	
116	16:45	<i>Ineffective</i>	
117	16:46	<i>Ineffective</i>	
118	16:47	<i>Ineffective</i>	
119	16:48	<i>Ineffective</i>	
120	16:49	<i>Ineffective</i>	
121			
122			
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146			
147			
148			
149			
150			

<i>effective</i>	81
<i>ineffective</i>	39
<i>total</i>	120

102	16:31	<i>Effective</i>	50	
103	16:32	<i>Effective</i>	50	
104	16:33	<i>Effective</i>	50	
105	16:34	<i>Effective</i>	50	
106	16:35	<i>Effective</i>	50	
107	16:36	<i>Effective</i>	50	
108	16:37	<i>Effective</i>	50	
109	16:38	<i>Effective</i>	50	
110	16:39	<i>Effective</i>	50	
111	16:40	<i>Effective</i>	50	
112	16:41	<i>Effective</i>	50	
113	16:42	<i>Effective</i>	50	
114	16:43	<i>Effective</i>	50	
115	16:44	<i>Effective</i>	50	
116	16:45	<i>Effective</i>	50	
117	16:46	<i>Effective</i>	50	
118	16:47	<i>Effective</i>	50	
119	16:48	<i>Effective</i>	50	
120	16:49	<i>Effective</i>	50	
121				
122				
123				
124				
125				
126				
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128				
129				
130				
131				
132				
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142				
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144				
145				
146				
147				
148				
149				
150				

<i>effective</i>	92
<i>ineffective</i>	28
<i>total</i>	120

<b>RELAXATION ALLOWANCE</b>			
No : 2b	Waktu Mulai : 14.50	Pekerja 1 = 4.5400m2	
Tggl : 25 Oktober 2011	Waktu Selesai : 16.45	Pekerja 2 = 4.3154m2	
<b>PEKERJA</b>			
<b>(1) Uyik</b>		<b>(5) Mukroji</b>	
<b>Kondisi</b>	<b>% Relaxation</b>	<b>Kondisi</b>	<b>% Relaxation</b>
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	10	Suhu	10
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>29</b>	<b>TOTAL</b>	<b>29</b>









<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 25 OKTOBER 2011							
Waktu Mulai : 14.50				Waktu Selesai : 16.45			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
(1) Uyik	<i>effective</i>	81	75	60,75	29	78,3675	4,54
	<i>ineffective</i>	39					
	<i>total</i>	120	75	60,75			
(5) Mukroji	<i>effective</i>	92	50	46	29	59,34	4,3154
	<i>ineffective</i>	28					
	<i>total</i>	120	50	46			
Rata-rata						68,85375	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 25 OKTOBER 2011					
Waktu Mulai : 14.50			Waktu Selesai : 16.45		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
(1) Uyik	4,54	17,2616	0,2877	24,3315	0,0411
(5) Mukroji	4,3154	13,7508	0,2292	30,5438	0,0327
Rata-rata				27,4376	0,0369

**RATED ACTIVITY SAMPLING OBSERVATIO S SHEET**

NO : 3a	Waktu Mulai : 09.37	Uyik = 3.828 m2 Slamet =0.675 m2
TggL : 26 Oktober 2011	Waktu Selesai : 11.39	

**PEKERJA**

Uyik					Slamet				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC	Rate	BT
1	9:37	Effective	75	57	1	9:37	Effective	75	12
2	9:38	Effective	75		2	9:38	Effective	75	
3	9:39	Effective	75		3	9:39	Effective	75	
4	9:40	Effective	75		4	9:40	Ineffective		
5	9:41	Effective	75		5	9:41	Ineffective		
6	9:42	Effective	75		6	9:42	Ineffective		
7	9:43	Effective	75		7	9:43	Ineffective		
8	9:44	Effective	75		8	9:44	Ineffective		
9	9:45	Effective	75		9	9:45	Ineffective		
10	9:46	Effective	75		10	9:46	Ineffective		
11	9:47	Effective	75		11	9:47	Ineffective		
12	9:48	Effective	75		12	9:48	Ineffective		
13	9:49	Effective	75		13	9:49	Ineffective		
14	9:50	Effective	75		14	9:50	Ineffective		
15	9:51	Effective	75		15	9:51	Ineffective		
16	9:52	Ineffective			16	9:52	Ineffective		
17	9:53	Ineffective			17	9:53	Ineffective		
18	9:54	Effective	75		18	9:54	Ineffective		
19	9:55	Effective	75		19	9:55	Ineffective		
20	9:56	Effective	75		20	9:56	Ineffective		
21	9:57	Effective	75		21	9:57	Ineffective		
22	9:58	Ineffective			22	9:58	Ineffective		
23	9:59	Ineffective			23	9:59	Ineffective		
24	10:00	Ineffective			24	10:00	Ineffective		
25	10:01	Effective	75		25	10:01	Ineffective		
26	10:02	Effective	75		26	10:02	Ineffective		
27	10:03	Effective	75		27	10:03	Ineffective		
28	10:04	Effective	75		28	10:04	Ineffective		
29	10:05	Effective	75		29	10:05	Ineffective		
30	10:06	Effective	75		30	10:06	Ineffective		
31	10:07	Effective	75		31	10:07	Ineffective		
32	10:08	Effective	75		32	10:08	Ineffective		
33	10:09	Effective	75		33	10:09	Effective	75	
34	10:10	Effective	75		34	10:10	Effective	75	
35	10:11	Effective	75		35	10:11	Effective	75	
36	10:12	Effective	75		36	10:12	Effective	75	
37	10:13	Effective	75		37	10:13	Effective	75	
38	10:14	Effective	75		38	10:14	Ineffective		
39	10:15	Effective	75		39	10:15	Ineffective		
40	10:16	Effective	75		40	10:16	Ineffective		

41	10:17	<i>Effective</i>	75
42	10:18	<i>Effective</i>	75
43	10:19	<i>Effective</i>	75
44	10:20	<i>Ineffective</i>	
45	10:21	<i>Effective</i>	75
46	10:22	<i>Effective</i>	75
47	10:23	<i>Effective</i>	75
48	10:24	<i>Effective</i>	75
49	10:25	<i>Ineffective</i>	
50	10:26	<i>Effective</i>	75
51	10:27	<i>Effective</i>	75
52	10:28	<i>Effective</i>	75
53	10:29	<i>Ineffective</i>	
54	10:30	<i>Ineffective</i>	
55	10:31	<i>Ineffective</i>	
56	10:32	<i>Ineffective</i>	
57	10:33	<i>Ineffective</i>	
58	10:34	<i>Ineffective</i>	
59	10:35	<i>Ineffective</i>	
60	10:36	<i>Ineffective</i>	
61	10:37	<i>Ineffective</i>	
62	10:38	<i>Ineffective</i>	
63	10:39	<i>Ineffective</i>	
64	10:40	<i>Ineffective</i>	
65	10:41	<i>Ineffective</i>	
66	10:42	<i>Ineffective</i>	
67	10:43	<i>Ineffective</i>	
68	10:44	<i>Ineffective</i>	
69	10:45	<i>Ineffective</i>	
70	10:46	<i>Ineffective</i>	
71	10:47	<i>Ineffective</i>	
72	10:48	<i>Ineffective</i>	
73	10:49	<i>Ineffective</i>	
74	10:50	<i>Ineffective</i>	
75	10:51	<i>Ineffective</i>	
76	10:52	<i>Ineffective</i>	
77	10:53	<i>Ineffective</i>	
78	10:54	<i>Ineffective</i>	
79	10:55	<i>Ineffective</i>	
80	10:56	<i>Ineffective</i>	
81	10:57	<i>Ineffective</i>	
82	10:58	<i>Ineffective</i>	
83	10:59	<i>Ineffective</i>	
84	11:00	<i>Effective</i>	75
85	11:01	<i>Effective</i>	75
86	11:02	<i>Effective</i>	75
87	11:03	<i>Effective</i>	75

41	10:17	<i>Ineffective</i>	
42	10:18	<i>Ineffective</i>	
43	10:19	<i>Ineffective</i>	
44	10:20	<i>Ineffective</i>	
45	10:21	<i>Ineffective</i>	
46	10:22	<i>Ineffective</i>	
47	10:23	<i>Ineffective</i>	
48	10:24	<i>Ineffective</i>	
49	10:25	<i>Ineffective</i>	
50	10:26	<i>Ineffective</i>	
51	10:27	<i>Ineffective</i>	
52	10:28	<i>Ineffective</i>	
53	10:29	<i>Ineffective</i>	
54	10:30	<i>Ineffective</i>	
55	10:31	<i>Ineffective</i>	
56	10:32	<i>Ineffective</i>	
57	10:33	<i>Ineffective</i>	
58	10:34	<i>Ineffective</i>	
59	10:35	<i>Ineffective</i>	
60	10:36	<i>Ineffective</i>	
61	10:37	<i>Ineffective</i>	
62	10:38	<i>Effective</i>	75
63	10:39	<i>Effective</i>	75
64	10:40	<i>Effective</i>	75
65	10:41	<i>Ineffective</i>	
66	10:42	<i>Ineffective</i>	
67	10:43	<i>Ineffective</i>	
68	10:44	<i>Ineffective</i>	
69	10:45	<i>Effective</i>	75
70	10:46	<i>Ineffective</i>	
71	10:47	<i>Ineffective</i>	
72	10:48	<i>Ineffective</i>	
73	10:49	<i>Ineffective</i>	
74	10:50	<i>Ineffective</i>	
75	10:51	<i>Ineffective</i>	
76	10:52	<i>Ineffective</i>	
77	10:53	<i>Ineffective</i>	
78	10:54	<i>Effective</i>	75
79	10:55	<i>Effective</i>	75
80	10:56	<i>Ineffective</i>	
81	10:57	<i>Ineffective</i>	
82	10:58	<i>Ineffective</i>	
83	10:59	<i>Ineffective</i>	
84	11:00	<i>Ineffective</i>	
85	11:01	<i>Ineffective</i>	
86	11:02	<i>Effective</i>	75
87	11:03	<i>Effective</i>	75

88	11:04	<i>Effective</i>	75
89	11:05	<i>Effective</i>	75
90	11:06	<i>Effective</i>	75
91	11:07	<i>Effective</i>	75
92	11:08	<i>Effective</i>	75
93	11:09	<i>Effective</i>	75
94	11:10	<i>Effective</i>	75
95	11:11	<i>Effective</i>	75
96	11:12	<i>Effective</i>	75
97	11:13	<i>Effective</i>	75
98	11:14	<i>Effective</i>	75
99	11:15	<i>Effective</i>	75
100	11:16	<i>Effective</i>	75
101	11:17	<i>Ineffective</i>	
102	11:18	<i>Ineffective</i>	
103	11:19	<i>Ineffective</i>	
104	11:20	<i>Ineffective</i>	
105	11:21	<i>Ineffective</i>	
106	11:22	<i>Ineffective</i>	
107	11:23	<i>Effective</i>	75
108	11:24	<i>Effective</i>	75
109	11:25	<i>Effective</i>	75
110	11:26	<i>Effective</i>	75
111	11:27	<i>Ineffective</i>	
112	11:28	<i>Ineffective</i>	
113	11:29	<i>Effective</i>	75
114	11:30	<i>Effective</i>	75
115	11:31	<i>Effective</i>	75
116	11:32	<i>Ineffective</i>	
117	11:33	<i>Effective</i>	75
118	11:34	<i>Effective</i>	75
119	11:35	<i>Effective</i>	75
120	11:36	<i>Effective</i>	75
121	11:37	<i>Effective</i>	75
122	11:38	<i>Effective</i>	75
123	11:39	<i>Effective</i>	75
124			
125			
126			
127			
128			
129			
130			
131			
132			
133			
134			

88	11:04	<i>Ineffective</i>	
89	11:05	<i>Ineffective</i>	
90	11:06	<i>Ineffective</i>	
91	11:07	<i>Ineffective</i>	
92	11:08	<i>Ineffective</i>	
93	11:09	<i>Ineffective</i>	
94	11:10	<i>Ineffective</i>	
95	11:11	<i>Ineffective</i>	
96	11:12	<i>Ineffective</i>	
97	11:13	<i>Ineffective</i>	
98	11:14	<i>Ineffective</i>	
99	11:15	<i>Ineffective</i>	
100	11:16	<i>Ineffective</i>	
101	11:17	<i>Ineffective</i>	
102	11:18	<i>Ineffective</i>	
103	11:19	<i>Ineffective</i>	
104	11:20	<i>Ineffective</i>	
105	11:21	<i>Ineffective</i>	
106	11:22	<i>Ineffective</i>	
107	11:23	<i>Ineffective</i>	
108	11:24	<i>Ineffective</i>	
109	11:25	<i>Ineffective</i>	
110	11:26	<i>Ineffective</i>	
111	11:27	<i>Ineffective</i>	
112	11:28	<i>Ineffective</i>	
113	11:29	<i>Ineffective</i>	
114	11:30	<i>Ineffective</i>	
115	11:31	<i>Ineffective</i>	
116	11:32	<i>Ineffective</i>	
117	11:33	<i>Ineffective</i>	
118	11:34	<i>Ineffective</i>	
119	11:35	<i>Ineffective</i>	
120	11:36	<i>Ineffective</i>	
121	11:37	<i>Ineffective</i>	
122	11:38	<i>Ineffective</i>	
123	11:39	<i>Ineffective</i>	
124			
125			
126			
127			
128			
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131			
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134			

135				135			
136				136			
137				137			
138				138			
139				139			
140				140			
141				141			
142				142			
143				143			
144				144			
145				145			
146				146			
147				147			
148				148			
149				149			
150				150			
<i>effective</i>		76		<i>effective</i>		16	
<i>ineffective</i>		47		<i>ineffective</i>		107	
<i>total</i>		123		<i>total</i>		123	

<b>RELAXATION ALLOWANCE</b>			
No : 3a	Waktu Mulai : 09.37		Uyik = 3.828 m2
Tggl : 26 Oktober 2011	Waktu Selesai : 11.39		Slamet =0.675 m2
<b>PEKERJA</b>			
Uyik		Slamet	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	4	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>21</b>	<b>TOTAL</b>	<b>19</b>









<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 26 OKTOBER 2011							
Waktu Mulai : 09.37				Waktu Selesai : 11.39			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Uyik	<i>effective</i>	76	75	57	21	68,97	4,828
	<i>ineffective</i>	47					
	<i>total</i>	123	75	57			
Slamet	<i>effective</i>	16	75	12	19	14,28	0,675
	<i>ineffective</i>	107					
	<i>total</i>	123	75	12			
Rata-rata						41,625	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 26 OKTOBER 2011					
Waktu Mulai : 09.37			Waktu Selesai : 11.39		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Uyik	4,828	14,2854	0,2381	29,4006	0,0340
Slamet	0,675	21,1556	0,3526	19,8529	0,0504
Rata-rata				24,6268	0,0422

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO : 3b			Waktu Mulai : 13.00			Marno = 5.544 m2			
TggL : 26 Oktober 2011			Waktu Selesai : 15.00			Slamet = 3.7040 m2			
PEKERJA									
Marno					Slamet				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC	Rate	BT
1	13:00	Effective	100	<b>79</b>	1	13:00	Effective	75	<b>36</b>
2	13:01	Effective	100		2	13:01	Effective	75	
3	13:02	Effective	100		3	13:02	Effective	75	
4	13:03	Ineffective			4	13:03	Effective	75	
5	13:04	Ineffective			5	13:04	Ineffective		
6	13:05	Effective	100		6	13:05	Ineffective		
7	13:06	Effective	100		7	13:06	Effective	75	
8	13:07	Effective	100		8	13:07	Effective	75	
9	13:08	Effective	100		9	13:08	Ineffective		
10	13:09	Effective	100		10	13:09	Ineffective		
11	13:10	Effective	100		11	13:10	Ineffective		
12	13:11	Effective	100		12	13:11	Ineffective		
13	13:12	Effective	100		13	13:12	Ineffective		
14	13:13	Effective	100		14	13:13	Ineffective		
15	13:14	Ineffective			15	13:14	Ineffective		
16	13:15	Ineffective			16	13:15	Effective	75	
17	13:16	Ineffective			17	13:16	Effective	75	
18	13:17	Ineffective			18	13:17	Effective	75	
19	13:18	Ineffective			19	13:18	Effective	75	
20	13:19	Ineffective			20	13:19	Effective	75	
21	13:20	Ineffective			21	13:20	Effective	75	
22	13:21	Ineffective			22	13:21	Ineffective		
23	13:22	Effective	100		23	13:22	Ineffective		
24	13:23	Effective	100		24	13:23	Effective	75	
25	13:24	Effective	100		25	13:24	Effective	75	
26	13:25	Effective	100		26	13:25	Effective	75	
27	13:26	Effective	100		27	13:26	Effective	75	
28	13:27	Effective	100		28	13:27	Ineffective		
29	13:28	Effective	100		29	13:28	Ineffective		
30	13:29	Ineffective			30	13:29	Ineffective		
31	13:30	Ineffective			31	13:30	Ineffective		
32	13:31	Ineffective			32	13:31	Ineffective		
33	13:32	Ineffective			33	13:32	Ineffective	75	
34	13:33	Ineffective			34	13:33	Ineffective	75	
35	13:34	Effective	100		35	13:34	Ineffective	75	
36	13:35	Effective	100		36	13:35	Ineffective	75	
37	13:36	Effective	100		37	13:36	Ineffective	75	
38	13:37	Ineffective			38	13:37	Ineffective		
39	13:38	Effective	100		39	13:38	Ineffective		
40	13:39	Effective	100		40	13:39	Ineffective		
41	13:40	Effective	100		41	13:40	Ineffective		
42	13:41	Effective	100		42	13:41	Ineffective		
43	13:42	Effective	100		43	13:42	Ineffective		
44	13:43	Effective	100		44	13:43	Ineffective		
45	13:44	Ineffective			45	13:44	Ineffective		
46	13:45	Ineffective			46	13:45	Ineffective		
47	13:46	Effective	100		47	13:46	Ineffective		
48	13:47	Effective	100		48	13:47	Ineffective		

49	13:48	Effective	100
50	13:49	Ineffective	
51	13:50	Ineffective	
52	13:51	Effective	100
53	13:52	Effective	100
54	13:53	Effective	100
55	13:54	Effective	100
56	13:55	Effective	100
57	13:56	Ineffective	
58	13:57	Ineffective	
59	13:58	Ineffective	
60	13:59	Ineffective	
61	14:00	Ineffective	
62	14:01	Ineffective	
63	14:02	Ineffective	
64	14:03	Effective	100
65	14:04	Effective	100
66	14:05	Effective	100
67	14:06	Effective	100
68	14:07	Effective	100
69	14:08	Effective	100
70	14:09	Effective	100
71	14:10	Effective	100
72	14:11	Effective	100
73	14:12	Effective	100
74	14:13	Effective	100
75	14:14	Effective	100
76	14:15	Effective	100
77	14:16	Ineffective	
78	14:17	Ineffective	
79	14:18	Ineffective	
80	14:19	Ineffective	
81	14:20	Effective	100
82	14:21	Effective	100
83	14:22	Effective	100
84	14:23	Effective	100
85	14:24	Effective	100
86	14:25	Effective	100
87	14:26	Effective	100
88	14:27	Effective	100
89	14:28	Effective	100
90	14:29	Effective	100
91	14:30	Effective	100
92	14:31	Effective	100
93	14:32	Effective	100
94	14:33	Effective	100
95	14:34	Effective	100
96	14:35	Effective	100
97	14:36	Effective	100
98	14:37	Effective	100
99	14:38	Effective	100
100	14:39	Effective	100
101	14:40	Ineffective	
102	14:41	Ineffective	

49	13:48	Ineffective	
50	13:49	Ineffective	
51	13:50	Ineffective	
52	13:51	Ineffective	
53	13:52	Ineffective	
54	13:53	Ineffective	
55	13:54	Ineffective	
56	13:55	Ineffective	
57	13:56	Effective	
58	13:57	Effective	
59	13:58	Effective	
60	13:59	Effective	
61	14:00	Effective	
62	14:01	Effective	75
63	14:02	Effective	75
64	14:03	Ineffective	
65	14:04	Ineffective	
66	14:05	Effective	75
67	14:06	Effective	75
68	14:07	Effective	75
69	14:08	Effective	75
70	14:09	Effective	75
71	14:10	Effective	75
72	14:11	Ineffective	
73	14:12	Ineffective	
74	14:13	Effective	75
75	14:14	Effective	75
76	14:15	Ineffective	
77	14:16	Ineffective	
78	14:17	Effective	75
79	14:18	Effective	75
80	14:19	Effective	75
81	14:20	Effective	75
82	14:21	Effective	75
83	14:22	Ineffective	
84	14:23	Ineffective	
85	14:24	Ineffective	
86	14:25	Ineffective	
87	14:26	Ineffective	
88	14:27	Ineffective	
89	14:28	Ineffective	
90	14:29	Ineffective	
91	14:30	Ineffective	
92	14:31	Ineffective	
93	14:32	Ineffective	
94	14:33	Effective	75
95	14:34	Effective	75
96	14:35	Effective	75
97	14:36	Effective	75
98	14:37	Effective	75
99	14:38	Effective	75
100	14:39	Effective	75
101	14:40	Ineffective	
102	14:41	Ineffective	

103	14:42	Ineffective	
104	14:43	Ineffective	
105	14:44	Ineffective	
106	14:45	Ineffective	
107	14:46	Ineffective	
108	14:47	Ineffective	
109	14:48	Ineffective	
110	14:49	Ineffective	
111	14:50	Ineffective	
112	14:51	Effective	100
113	14:52	Effective	100
114	14:53	Effective	100
115	14:54	Effective	100
116	14:55	Effective	100
117	14:56	Effective	100
118	14:57	Effective	100
119	14:58	Effective	100
120	14:59	Effective	100
121	15:00	Effective	100
122			
123			
124			
125			
126			
127			
128			
129			
130			
131			
132			
133			
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136			
137			
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139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>			79
<i>ineffective</i>			42
<i>total</i>			121

103	14:42	Ineffective	
104	14:43	Ineffective	
105	14:44	Effective	75
106	14:45	Effective	75
107	14:46	Effective	75
108	14:47	Effective	75
109	14:48	Effective	75
110	14:49	Ineffective	
111	14:50	Ineffective	
112	14:51	Ineffective	
113	14:52	Ineffective	
114	14:53	Ineffective	
115	14:54	Ineffective	
116	14:55	Ineffective	
117	14:56	Ineffective	
118	14:57	Ineffective	
119	14:58	Ineffective	
120	14:59	Ineffective	
121	15:00	Ineffective	
122			
123			
124			
125			
126			
127			
128			
129			
130			
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
<i>effective</i>			48
<i>ineffective</i>			73
<i>total</i>			121

<b>RELAXATION ALLOWANCE</b>			
No : 3b	Waktu Mulai : 13.00	Marno = 5.544 m2	
Tggl : 26 Oktober 2011	Waktu Selesai : 15.00	Slamet = 3.7040 m2	
<b>PEKERJA</b>			
Marno		Slamet	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	4	Posisi Kerja	4
Konsentrasi	3	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	5	Suhu	5
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>28</b>	<b>TOTAL</b>	<b>26</b>









<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 26 OKTOBER 2011							
Waktu Mulai : 13.00				Waktu Selesai : 15.00			
<b>Nama Pekerja</b>	<b>Kategori</b>	<b>No</b>	<b>Rated</b>	<b>Basic Time</b>	<b>T. Allowance</b>	<b>Standard Time</b>	<b>Vol. Pek</b>
Marno	<i>effective</i>	79	100	79	28	101,12	5,544
	<i>ineffective</i>	42					
	<i>total</i>	121	100	79			
Slamet	<i>effective</i>	48	75	36	26	45,36	3,704
	<i>ineffective</i>	73					
	<i>total</i>	121	75	36			
Rata-rata						73,24	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 26 OKTOBER 2011					
Waktu Mulai : 13.00			Waktu Selesai : 15.00		
<b>Nama Pekerja</b>	<b>Vol. Pekerja (m<sup>2</sup>)</b>	<b>Manminute (manminute/m<sup>2</sup>)</b>	<b>Manhour (manhour/m<sup>2</sup>)</b>	<b>Produktivitas (m<sup>2</sup>/org/hari)</b>	<b>Koef (OH)</b>
Marno	5,544	18,2395	0,3040	23,0269	0,0434
Slamet	3,704	12,2462	0,2041	34,2963	0,0292
Rata-rata				28,6616	0,0363

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO : 4a			Waktu Mulai : 09.05			Bambang = 2.355 m2			
TggL : 27 Oktober 2011			Waktu Selesai : 11.26			Marno = 6.4 m2			
PEKERJA									
Bambang					Marno				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC	Rate	BT
1	9:05	Ineffective		<b>63</b>	1	9:05	Effective	100	<b>100</b>
2	9:06	Ineffective			2	9:06	Effective	100	
3	9:07	Ineffective			3	9:07	Effective	100	
4	9:08	Ineffective			4	9:08	Effective	100	
5	9:09	Effective	75		5	9:09	Effective	100	
6	9:10	Effective	75		6	9:10	Effective	100	
7	9:11	Effective	75		7	9:11	Effective	100	
8	9:12	Effective	75		8	9:12	Effective	100	
9	9:13	Effective	75		9	9:13	Effective	100	
10	9:14	Effective	75		10	9:14	Effective	100	
11	9:15	Ineffective			11	9:15	Effective	100	
12	9:16	Ineffective			12	9:16	Effective	100	
13	9:17	Effective	75		13	9:17	Effective	100	
14	9:18	Effective	75		14	9:18	Ineffective		
15	9:19	Effective	75		15	9:19	Ineffective		
16	9:20	Effective	75		16	9:20	Ineffective		
17	9:21	Ineffective			17	9:21	Ineffective		
18	9:22	Ineffective			18	9:22	Ineffective		
19	9:23	Effective	75		19	9:23	Ineffective		
20	9:24	Effective	75		20	9:24	Ineffective		
21	9:25	Effective	75		21	9:25	Ineffective		
22	9:26	Effective	75		22	9:26	Ineffective		
23	9:27	Ineffective			23	9:27	Ineffective		
24	9:28	Ineffective			24	9:28	Ineffective		
25	9:29	Ineffective			25	9:29	Ineffective		
26	9:30	Ineffective			26	9:30	Ineffective		
27	9:31	Ineffective			27	9:31	Ineffective		
28	9:32	Ineffective			28	9:32	Effective	100	
29	9:33	Ineffective			29	9:33	Effective	100	
30	9:34	Ineffective			30	9:34	Effective	100	
31	9:35	Ineffective			31	9:35	Effective	100	
32	9:36	Effective	75		32	9:36	Effective	100	
33	9:37	Effective	75		33	9:37	Effective	100	
34	9:38	Effective	75		34	9:38	Effective	100	
35	9:39	Effective	75		35	9:39	Effective	100	
36	9:40	Effective	75		36	9:40	Effective	100	
37	9:41	Effective	75		37	9:41	Effective	100	
38	9:42	Effective	75		38	9:42	Effective	100	
39	9:43	Effective	75		39	9:43	Effective	100	
40	9:44	Effective	75		40	9:44	Effective	100	
41	9:45	Effective	75		41	9:45	Effective	100	
42	9:46	Effective	75		42	9:46	Effective	100	
43	9:47	Effective	75		43	9:47	Effective	100	
44	9:48	Effective	75		44	9:48	Effective	100	
45	9:49	Ineffective			45	9:49	Effective	100	
46	9:50	Ineffective			46	9:50	Effective	100	
47	9:51	Ineffective			47	9:51	Effective	100	
48	9:52	Ineffective			48	9:52	Ineffective		

49	9:53	Ineffective	
50	9:54	Ineffective	
51	9:55	Ineffective	
52	9:56	Ineffective	
53	9:57	Effective	75
54	9:58	Effective	75
55	9:59	Effective	75
56	10:00	Effective	75
57	10:01	Effective	75
58	10:02	Effective	75
59	10:03	Effective	75
60	10:04	Effective	75
61	10:05	Ineffective	
62	10:06	Ineffective	
63	10:07	Ineffective	
64	10:08	Effective	75
65	10:09	Effective	75
66	10:10	Effective	75
67	10:11	Effective	75
68	10:12	Effective	75
69	10:13	Effective	75
70	10:14	Effective	75
71	10:15	Ineffective	
72	10:16	Ineffective	
73	10:17	Effective	75
74	10:18	Effective	75
75	10:19	Effective	75
76	10:20	Effective	75
77	10:21	Effective	75
78	10:22	Effective	75
79	10:23	Effective	75
80	10:24	Effective	75
81	10:25	Effective	75
82	10:26	Effective	75
83	10:27	Effective	75
84	10:28	Effective	75
85	10:29	Effective	75
86	10:30	Effective	75
87	10:31	Effective	75
88	10:32	Ineffective	
89	10:33	Ineffective	
90	10:34	Ineffective	
91	10:35	Ineffective	
92	10:36	Ineffective	
93	10:37	Ineffective	
94	10:38	Effective	75
95	10:39	Effective	75
96	10:40	Effective	75
97	10:41	Effective	75
98	10:42	Effective	75
99	10:43	Effective	75
100	10:44	Effective	75
101	10:45	Effective	75
102	10:46	Effective	75

49	9:53	Ineffective	
50	9:54	Ineffective	
51	9:55	Ineffective	
52	9:56	Ineffective	
53	9:57	Ineffective	
54	9:58	Ineffective	
55	9:59	Ineffective	
56	10:00	Ineffective	
57	10:01	Effective	100
58	10:02	Effective	100
59	10:03	Effective	100
60	10:04	Effective	100
61	10:05	Effective	100
62	10:06	Effective	100
63	10:07	Effective	100
64	10:08	Effective	100
65	10:09	Effective	100
66	10:10	Effective	100
67	10:11	Effective	100
68	10:12	Effective	100
69	10:13	Ineffective	
70	10:14	Ineffective	
71	10:15	Ineffective	
72	10:16	Effective	100
73	10:17	Effective	100
74	10:18	Effective	100
75	10:19	Effective	100
76	10:20	Effective	100
77	10:21	Effective	100
78	10:22	Effective	100
79	10:23	Effective	100
80	10:24	Effective	100
81	10:25	Effective	100
82	10:26	Effective	100
83	10:27	Effective	100
84	10:28	Effective	100
85	10:29	Effective	100
86	10:30	Effective	100
87	10:31	Effective	100
88	10:32	Effective	100
89	10:33	Effective	100
90	10:34	Effective	100
91	10:35	Effective	100
92	10:36	Effective	100
93	10:37	Ineffective	
94	10:38	Ineffective	
95	10:39	Ineffective	
96	10:40	Ineffective	
97	10:41	Ineffective	
98	10:42	Ineffective	
99	10:43	Ineffective	
100	10:44	Ineffective	
101	10:45	Effective	100
102	10:46	Effective	100

103	10:47	Effective	75
104	10:48	Effective	75
105	10:49	Effective	75
106	10:50	Effective	75
107	10:51	Effective	75
108	10:52	Effective	75
109	10:53	Effective	75
110	10:54	Effective	75
111	10:55	Ineffective	
112	10:56	Ineffective	
113	10:57	Effective	75
114	10:58	Effective	75
115	10:59	Effective	75
116	11:00	Effective	75
117	11:01	Effective	75
118	11:02	Ineffective	
119	11:03	Ineffective	
120	11:04	Ineffective	
121	11:05	Ineffective	
122	11:06	Ineffective	
123	11:07	Ineffective	
124	11:08	Ineffective	
125	11:09	Ineffective	
126	11:10	Ineffective	
127	11:11	Ineffective	
128	11:12	Ineffective	
129	11:13	Ineffective	
130	11:14	Ineffective	
131	11:15	Ineffective	
132	11:16	Ineffective	
133	11:17	Ineffective	
134	11:18	Ineffective	
135	11:19	Ineffective	
136	11:20	Ineffective	
137	11:21	Ineffective	
138	11:22	Effective	75
139	11:23	Effective	75
140	11:24	Effective	75
141	11:25	Effective	75
142	11:26	Effective	75
143			
144			
145			
146			
147			
148			
149			
150			

<i>effective</i>	84
<i>ineffective</i>	58
<i>total</i>	142

103	10:47	Effective	100
104	10:48	Effective	100
105	10:49	Effective	100
106	10:50	Effective	100
107	10:51	Effective	100
108	10:52	Effective	100
109	10:53	Effective	100
110	10:54	Effective	100
111	10:55	Effective	100
112	10:56	Effective	100
113	10:57	Effective	100
114	10:58	Effective	100
115	10:59	Effective	100
116	11:00	Effective	100
117	11:01	Effective	100
118	11:02	Effective	100
119	11:03	Ineffective	
120	11:04	Ineffective	
121	11:05	Ineffective	
122	11:06	Ineffective	
123	11:07	Effective	100
124	11:08	Effective	100
125	11:09	Effective	100
126	11:10	Effective	100
127	11:11	Effective	100
128	11:12	Effective	100
129	11:13	Effective	100
130	11:14	Effective	100
131	11:15	Effective	100
132	11:16	Effective	100
133	11:17	Effective	100
134	11:18	Effective	100
135	11:19	Effective	100
136	11:20	Effective	100
137	11:21	Effective	100
138	11:22	Effective	100
139	11:23	Ineffective	
140	11:24	Ineffective	
141	11:25	Ineffective	
142	11:26	Ineffective	
143			
144			
145			
146			
147			
148			
149			
150			

<i>effective</i>	100
<i>ineffective</i>	42
<i>total</i>	142

<b>RELAXATION ALLOWANCE</b>			
No : 4a	Waktu Mulai : 09.05	Bambang = 2.355 m2	
Tggl : 27 Oktober 2011	Waktu Selesai : 11.26	Marno = 6.4 m2	
<b>PEKERJA</b>			
Bambang		Marno	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>19</b>	<b>TOTAL</b>	<b>19</b>









<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 27 OKTOBER 2011							
Waktu Mulai : 09.05				Waktu Selesai : 11.26			
<b>Nama Pekerja</b>	<b>Kategori</b>	<b>No</b>	<b>Rated</b>	<b>Basic Time</b>	<b>T. Allowance</b>	<b>Standard Time</b>	<b>Vol. Pek</b>
Bambang	<i>effective</i>	84	75	63	19	74,97	2,355
	<i>ineffective</i>	58					
	<i>total</i>	142	75	63			
Marno	<i>effective</i>	100	100	100	19	119	6,4
	<i>ineffective</i>	42					
	<i>total</i>	142	100	100			
Rata-rata						96,985	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 27 OKTOBER 2011					
Waktu Mulai : 09.05			Waktu Selesai : 11.26		
<b>Nama Pekerja</b>	<b>Vol. Pekerja (m<sup>2</sup>)</b>	<b>Manminute (manminute/m<sup>2</sup>)</b>	<b>Manhour (manhour/m<sup>2</sup>)</b>	<b>Produktivitas (m<sup>2</sup>/org/hari)</b>	<b>Koef (OH)</b>
Bambang	2,355	31,8344	0,5306	13,1933	0,0758
Marno	6,4	18,5938	0,3099	22,5882	0,0443
Rata-rata				17,8908	0,0600

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO : 4b			Waktu Mulai : 13.30			Marno = 7.78			
TggL : 27 Oktober 2011			Waktu Selesai : 15.57			Yono = 3.84			
PEKERJA									
Marno					Yono				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	13:30	Ineffective		<b>104</b>	1	13:30	Effective	75	<b>56,25</b>
2	13:31	Ineffective			2	13:31	Effective	75	
3	13:32	Ineffective			3	13:32	Effective	75	
4	13:33	Ineffective			4	13:33	Effective	75	
5	13:34	Ineffective			5	13:34	Effective	75	
6	13:35	Ineffective			6	13:35	Effective	75	
7	13:36	Ineffective			7	13:36	Ineffective		
8	13:37	Ineffective			8	13:37	Ineffective		
9	13:38	Ineffective			9	13:38	Ineffective		
10	13:39	Ineffective			10	13:39	Ineffective		
11	13:40	Effective	100		11	13:40	Ineffective		
12	13:41	Effective	100		12	13:41	Effective	75	
13	13:42	Effective	100		13	13:42	Effective	75	
14	13:43	Effective	100		14	13:43	Effective	75	
15	13:44	Ineffective			15	13:44	Effective	75	
16	13:45	Ineffective			16	13:45	Effective	75	
17	13:46	Effective	100		17	13:46	Effective	75	
18	13:47	Effective	100		18	13:47	Effective	75	
19	13:48	Effective	100		19	13:48	Effective	75	
20	13:49	Ineffective			20	13:49	Effective	75	
21	13:50	Effective	100		21	13:50	Effective	75	
22	13:51	Effective	100		22	13:51	Effective	75	
23	13:52	Effective	100		23	13:52	Effective	75	
24	13:53	Effective	100		24	13:53	Ineffective		
25	13:54	Ineffective			25	13:54	Ineffective		
26	13:55	Ineffective			26	13:55	Ineffective		
27	13:56	Ineffective			27	13:56	Ineffective		
28	13:57	Ineffective			28	13:57	Ineffective		
29	13:58	Ineffective			29	13:58	Ineffective		
30	13:59	Ineffective			30	13:59	Ineffective		
31	14:00	Ineffective			31	14:00	Ineffective		
32	14:01	Effective	100		32	14:01	Ineffective		
33	14:02	Effective	100		33	14:02	Ineffective		
34	14:03	Effective	100		34	14:03	Ineffective		
35	14:04	Effective	100		35	14:04	Ineffective		
36	14:05	Effective	100		36	14:05	Ineffective		
37	14:06	Ineffective			37	14:06	Effective	75	
38	14:07	Effective	100		38	14:07	Effective	75	
39	14:08	Effective	100		39	14:08	Effective	75	
40	14:09	Effective	100		40	14:09	Effective	75	
41	14:10	Effective	100		41	14:10	Effective	75	
42	14:11	Effective	100		42	14:11	Effective	75	
43	14:12	Effective	100		43	14:12	Effective	75	
44	14:13	Effective	100		44	14:13	Effective	75	
45	14:14	Effective	100		45	14:14	Effective	75	
46	14:15	Effective	100		46	14:15	Effective	75	
47	14:16	Effective	100		47	14:16	Effective	75	
48	14:17	Effective	100		48	14:17	Effective	75	

49	14:18	<i>Ineffective</i>	
50	14:19	<i>Ineffective</i>	
51	14:20	<i>Ineffective</i>	
52	14:21	<i>Ineffective</i>	
53	14:22	<i>Effective</i>	100
54	14:23	<i>Effective</i>	100
55	14:24	<i>Effective</i>	100
56	14:25	<i>Effective</i>	100
57	14:26	<i>Effective</i>	100
58	14:27	<i>Effective</i>	100
59	14:28	<i>Effective</i>	100
60	14:29	<i>Ineffective</i>	
61	14:30	<i>Ineffective</i>	
62	14:31	<i>Ineffective</i>	
63	14:32	<i>Effective</i>	100
64	14:33	<i>Effective</i>	100
65	14:34	<i>Effective</i>	100
66	14:35	<i>Effective</i>	100
67	14:36	<i>Effective</i>	100
68	14:37	<i>Effective</i>	100
69	14:38	<i>Effective</i>	100
70	14:39	<i>Effective</i>	100
71	14:40	<i>Effective</i>	100
72	14:41	<i>Effective</i>	100
73	14:42	<i>Ineffective</i>	
74	14:43	<i>Ineffective</i>	
75	14:44	<i>Effective</i>	100
76	14:45	<i>Effective</i>	100
77	14:46	<i>Ineffective</i>	
78	14:47	<i>Ineffective</i>	
79	14:48	<i>Effective</i>	100
80	14:49	<i>Effective</i>	100
81	14:50	<i>Effective</i>	100
82	14:51	<i>Effective</i>	100
83	14:52	<i>Effective</i>	100
84	14:53	<i>Effective</i>	100
85	14:54	<i>Effective</i>	100
86	14:55	<i>Effective</i>	100
87	14:56	<i>Effective</i>	100
88	14:57	<i>Effective</i>	100
89	14:58	<i>Effective</i>	100
90	14:59	<i>Effective</i>	100
91	15:00	<i>Effective</i>	100
92	15:01	<i>Effective</i>	100
93	15:02	<i>Ineffective</i>	
94	15:03	<i>Ineffective</i>	
95	15:04	<i>Ineffective</i>	
96	15:05	<i>Effective</i>	100
97	15:06	<i>Effective</i>	100
98	15:07	<i>Effective</i>	100
99	15:08	<i>Effective</i>	100
100	15:09	<i>Effective</i>	100
101	15:10	<i>Effective</i>	100
102	15:11	<i>Effective</i>	100

49	14:18	<i>Effective</i>	75
50	14:19	<i>Ineffective</i>	
51	14:20	<i>Ineffective</i>	
52	14:21	<i>Ineffective</i>	
53	14:22	<i>Effective</i>	75
54	14:23	<i>Effective</i>	75
55	14:24	<i>Effective</i>	75
56	14:25	<i>Effective</i>	75
57	14:26	<i>Effective</i>	75
58	14:27	<i>Effective</i>	75
59	14:28	<i>Effective</i>	75
60	14:29	<i>Effective</i>	75
61	14:30	<i>Effective</i>	75
62	14:31	<i>Effective</i>	75
63	14:32	<i>Ineffective</i>	
64	14:33	<i>Ineffective</i>	
65	14:34	<i>Ineffective</i>	
66	14:35	<i>Ineffective</i>	
67	14:36	<i>Ineffective</i>	
68	14:37	<i>Ineffective</i>	
69	14:38	<i>Ineffective</i>	
70	14:39	<i>Ineffective</i>	
71	14:40	<i>Effective</i>	75
72	14:41	<i>Effective</i>	75
73	14:42	<i>Effective</i>	75
74	14:43	<i>Effective</i>	75
75	14:44	<i>Effective</i>	75
76	14:45	<i>Effective</i>	75
77	14:46	<i>Effective</i>	75
78	14:47	<i>Effective</i>	75
79	14:48	<i>Effective</i>	75
80	14:49	<i>Effective</i>	75
81	14:50	<i>Effective</i>	75
82	14:51	<i>Effective</i>	75
83	14:52	<i>Effective</i>	75
84	14:53	<i>Effective</i>	75
85	14:54	<i>Effective</i>	75
86	14:55	<i>Effective</i>	75
87	14:56	<i>Ineffective</i>	
88	14:57	<i>Ineffective</i>	
89	14:58	<i>Ineffective</i>	
90	14:59	<i>Ineffective</i>	
91	15:00	<i>Ineffective</i>	
92	15:01	<i>Effective</i>	75
93	15:02	<i>Effective</i>	75
94	15:03	<i>Effective</i>	75
95	15:04	<i>Effective</i>	75
96	15:05	<i>Effective</i>	75
97	15:06	<i>Effective</i>	75
98	15:07	<i>Effective</i>	75
99	15:08	<i>Effective</i>	75
100	15:09	<i>Effective</i>	75
101	15:10	<i>Effective</i>	75
102	15:11	<i>Effective</i>	75

103	15:12	Effective	100
104	15:13	Effective	100
105	15:14	Effective	100
106	15:15	Effective	100
107	15:16	Effective	100
108	15:17	Effective	100
109	15:18	Effective	100
110	15:19	Effective	100
111	15:20	Effective	100
112	15:21	Effective	100
113	15:22	Effective	100
114	15:23	Effective	100
115	15:24	Effective	100
116	15:25	Effective	100
117	15:26	Effective	100
118	15:27	Effective	100
119	15:28	Effective	100
120	15:29	Effective	100
121	15:30	Effective	100
122	15:31	Ineffective	
123	15:32	Ineffective	
124	15:33	Ineffective	
125	15:34	Ineffective	
126	15:35	Ineffective	
127	15:36	Ineffective	
128	15:37	Ineffective	
129	15:38	Ineffective	
130	15:39	Effective	100
131	15:40	Effective	100
132	15:41	Effective	100
133	15:42	Effective	100
134	15:43	Effective	100
135	15:44	Ineffective	
136	15:45	Effective	100
137	15:46	Effective	100
138	15:47	Effective	100
139	15:48	Effective	100
140	15:49	Effective	100
141	15:50	Effective	100
142	15:51	Effective	100
143	15:52	Effective	100
144	15:53	Effective	100
145	15:54	Effective	100
146	15:55	Effective	100
147	15:56	Effective	100
148	15:57	Effective	100
149			
150			

103	15:12	Effective	75
104	15:13	Effective	75
105	15:14	Effective	75
106	15:15	Effective	75
107	15:16	Effective	75
108	15:17	Effective	75
109	15:18	Effective	75
110	15:19	Ineffective	
111	15:20	Ineffective	
112	15:21	Ineffective	
113	15:22	Ineffective	
114	15:23	Ineffective	
115	15:24	Ineffective	
116	15:25	Ineffective	
117	15:26	Ineffective	
118	15:27	Ineffective	
119	15:28	Ineffective	
120	15:29	Ineffective	
121	15:30	Ineffective	
122	15:31	Ineffective	
123	15:32	Ineffective	
124	15:33	Ineffective	
125	15:34	Ineffective	
126	15:35	Ineffective	
127	15:36	Ineffective	
128	15:37	Ineffective	
129	15:38	Ineffective	
130	15:39	Ineffective	
131	15:40	Ineffective	
132	15:41	Ineffective	
133	15:42	Ineffective	
134	15:43	Ineffective	
135	15:44	Ineffective	
136	15:45	Ineffective	
137	15:46	Ineffective	
138	15:47	Ineffective	
139	15:48	Ineffective	
140	15:49	Ineffective	
141	15:50	Ineffective	
142	15:51	Ineffective	
143	15:52	Ineffective	
144	15:53	Ineffective	
145	15:54	Ineffective	
146	15:55	Ineffective	
147	15:56	Ineffective	
148	15:57	Ineffective	
149			
150			

<i>effective</i>	104
<i>ineffective</i>	44
<i>total</i>	148

<i>effective</i>	75
<i>ineffective</i>	73
<i>total</i>	148

<b>RELAXATION ALLOWANCE</b>			
No : 4b	Waktu Mulai : 13.30	Marno = 7.78	
Tggl : 27 Oktober 2011	Waktu Selesai : 15.57	Yono = 3.84	
<b>PEKERJA</b>			
Marno		Yono	
<b>Kondisi</b>	<b>% Relaxation</b>	<b>Kondisi</b>	<b>% Relaxation</b>
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	5	Suhu	5
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>24</b>	<b>TOTAL</b>	<b>24</b>







<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 27 OKTOBER 2011							
Waktu Mulai : 13.30				Waktu Selesai : 15.57			
<b>Nama Pekerja</b>	<b>Kategori</b>	<b>No</b>	<b>Rated</b>	<b>Basic Time</b>	<b>T. Allowance</b>	<b>Standard Time</b>	<b>Vol. Pek</b>
Marno	<i>effective</i>	104	100	104	24	128,96	7,78
	<i>ineffective</i>	44					
	<i>total</i>	148	100	104			
Yono	<i>effective</i>	75	75	56,25	24	69,75	3,84
	<i>ineffective</i>	73					
	<i>total</i>	148	75	56,25			
Rata-rata						99,355	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 27 OKTOBER 2011					
Waktu Mulai : 13.30			Waktu Selesai : 15.57		
<b>Nama Pekerja</b>	<b>Vol. Pekerja (m<sup>2</sup>)</b>	<b>Manminute (manminute/m<sup>2</sup>)</b>	<b>Manhour (manhour/m<sup>2</sup>)</b>	<b>Produktivitas (m<sup>2</sup>/org/hari)</b>	<b>Koef (OH)</b>
Marno	7,78	16,5758	0,2763	25,3381	0,0395
Yono	3,84	18,1641	0,3027	23,1226	0,0432
Rata-rata				24,2303	0,0414



RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO : 5a			Waktu Mulai : 09.15			Bambang = 4.3216			
TggL : 28 Oktober 2011			Waktu Selesai : 11.42			Yono = 4.307			
PEKERJA									
Bambang					Yono				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	9:15	Effective	75	<b>57</b>	1	9:15	Ineffective		<b>62,25</b>
2	9:16	Effective	75		2	9:16	Ineffective		
3	9:17	Effective	75		3	9:17	Ineffective		
4	9:18	Ineffective	75		4	9:18	Ineffective		
5	9:19	Ineffective	75		5	9:19	Ineffective		
6	9:20	Effective	75		6	9:20	Ineffective		
7	9:21	Effective	75		7	9:21	Ineffective		
8	9:22	Ineffective			8	9:22	Ineffective		
9	9:23	Ineffective			9	9:23	Ineffective		
10	9:24	Ineffective			10	9:24	Ineffective		
11	9:25	Ineffective			11	9:25	Ineffective		
12	9:26	Effective	75		12	9:26	Ineffective		
13	9:27	Effective	75		13	9:27	Ineffective		
14	9:28	Effective	75		14	9:28	Ineffective		
15	9:29	Ineffective			15	9:29	Ineffective		
16	9:30	Ineffective			16	9:30	Ineffective		
17	9:31	Ineffective			17	9:31	Ineffective		
18	9:32	Ineffective			18	9:32	Ineffective		
19	9:33	Effective	75		19	9:33	Ineffective		
20	9:34	Effective	75		20	9:34	Ineffective		
21	9:35	Effective	75		21	9:35	Ineffective		
22	9:36	Ineffective			22	9:36	Ineffective		
23	9:37	Ineffective			23	9:37	Effective	75	
24	9:38	Effective	75		24	9:38	Effective	75	
25	9:39	Effective	75		25	9:39	Effective	75	
26	9:40	Effective	75		26	9:40	Effective	75	
27	9:41	Ineffective			27	9:41	Effective	75	
28	9:42	Ineffective			28	9:42	Effective	75	
29	9:43	Ineffective			29	9:43	Effective	75	
30	9:44	Ineffective			30	9:44	Effective	75	
31	9:45	Ineffective			31	9:45	Effective	75	
32	9:46	Ineffective			32	9:46	Effective	75	
33	9:47	Ineffective			33	9:47	Effective	75	
34	9:48	Effective	75		34	9:48	Effective	75	
35	9:49	Effective	75		35	9:49	Effective	75	
36	9:50	Effective	75		36	9:50	Effective	75	
37	9:51	Effective	75		37	9:51	Effective	75	
38	9:52	Effective	75		38	9:52	Effective	75	
39	9:53	Effective	75		39	9:53	Effective	75	
40	9:54	Effective	75		40	9:54	Effective	75	
41	9:55	Effective	75		41	9:55	Effective	75	
42	9:56	Effective	75		42	9:56	Effective	75	
43	9:57	Effective	75		43	9:57	Effective	75	
44	9:58	Ineffective			44	9:58	Effective	75	
45	9:59	Ineffective			45	9:59	Effective	75	
46	10:00	Ineffective			46	10:00	Effective	75	
47	10:01	Ineffective			47	10:01	Effective	75	
48	10:02	Ineffective			48	10:02	Effective	75	

49	10:03	<i>Ineffective</i>	
50	10:04	<i>Ineffective</i>	
51	10:05	<i>Ineffective</i>	
52	10:06	<i>Ineffective</i>	
53	10:07	<i>Ineffective</i>	
54	10:08	<i>Effective</i>	75
55	10:09	<i>Effective</i>	75
56	10:10	<i>Effective</i>	75
57	10:11	<i>Ineffective</i>	
58	10:12	<i>Ineffective</i>	
59	10:13	<i>Ineffective</i>	
60	10:14	<i>Effective</i>	75
61	10:15	<i>Effective</i>	75
62	10:16	<i>Ineffective</i>	
63	10:17	<i>Ineffective</i>	
64	10:18	<i>Ineffective</i>	
65	10:19	<i>Effective</i>	75
66	10:20	<i>Effective</i>	75
67	10:21	<i>Effective</i>	75
68	10:22	<i>Effective</i>	75
69	10:23	<i>Ineffective</i>	
70	10:24	<i>Ineffective</i>	
71	10:25	<i>Effective</i>	75
72	10:26	<i>Effective</i>	75
73	10:27	<i>Effective</i>	75
74	10:28	<i>Ineffective</i>	
75	10:29	<i>Ineffective</i>	
76	10:30	<i>Ineffective</i>	
77	10:31	<i>Ineffective</i>	
78	10:32	<i>Effective</i>	75
79	10:33	<i>Effective</i>	75
80	10:34	<i>Effective</i>	75
81	10:35	<i>Effective</i>	75
82	10:36	<i>Effective</i>	75
83	10:37	<i>Ineffective</i>	
84	10:38	<i>Ineffective</i>	
85	10:39	<i>Ineffective</i>	
86	10:40	<i>Ineffective</i>	
87	10:41	<i>Ineffective</i>	
88	10:42	<i>Effective</i>	75
89	10:43	<i>Effective</i>	75
90	10:44	<i>Effective</i>	75
91	10:45	<i>Effective</i>	75
92	10:46	<i>Effective</i>	75
93	10:47	<i>Effective</i>	75
94	10:48	<i>Effective</i>	75
95	10:49	<i>Effective</i>	75
96	10:50	<i>Effective</i>	75
97	10:51	<i>Ineffective</i>	
98	10:52	<i>Ineffective</i>	
99	10:53	<i>Ineffective</i>	
100	10:54	<i>Ineffective</i>	
101	10:55	<i>Effective</i>	75
102	10:56	<i>Effective</i>	75

49	10:03	<i>Effective</i>	75
50	10:04	<i>Ineffective</i>	
51	10:05	<i>Ineffective</i>	
52	10:06	<i>Ineffective</i>	
53	10:07	<i>Ineffective</i>	
54	10:08	<i>Ineffective</i>	
55	10:09	<i>Ineffective</i>	
56	10:10	<i>Ineffective</i>	
57	10:11	<i>Ineffective</i>	
58	10:12	<i>Ineffective</i>	
59	10:13	<i>Ineffective</i>	
60	10:14	<i>Effective</i>	75
61	10:15	<i>Effective</i>	75
62	10:16	<i>Effective</i>	75
63	10:17	<i>Effective</i>	75
64	10:18	<i>Effective</i>	75
65	10:19	<i>Effective</i>	75
66	10:20	<i>Effective</i>	75
67	10:21	<i>Effective</i>	75
68	10:22	<i>Effective</i>	75
69	10:23	<i>Ineffective</i>	
70	10:24	<i>Ineffective</i>	
71	10:25	<i>Effective</i>	75
72	10:26	<i>Effective</i>	75
73	10:27	<i>Effective</i>	75
74	10:28	<i>Effective</i>	75
75	10:29	<i>Effective</i>	75
76	10:30	<i>Effective</i>	75
77	10:31	<i>Effective</i>	75
78	10:32	<i>Effective</i>	75
79	10:33	<i>Effective</i>	75
80	10:34	<i>Effective</i>	75
81	10:35	<i>Effective</i>	75
82	10:36	<i>Effective</i>	75
83	10:37	<i>Effective</i>	75
84	10:38	<i>Effective</i>	75
85	10:39	<i>Effective</i>	75
86	10:40	<i>Effective</i>	75
87	10:41	<i>Effective</i>	75
88	10:42	<i>Effective</i>	75
89	10:43	<i>Effective</i>	75
90	10:44	<i>Ineffective</i>	
91	10:45	<i>Ineffective</i>	
92	10:46	<i>Ineffective</i>	
93	10:47	<i>Ineffective</i>	
94	10:48	<i>Ineffective</i>	
95	10:49	<i>Ineffective</i>	
96	10:50	<i>Ineffective</i>	
97	10:51	<i>Effective</i>	75
98	10:52	<i>Effective</i>	75
99	10:53	<i>Effective</i>	75
100	10:54	<i>Effective</i>	75
101	10:55	<i>Effective</i>	75
102	10:56	<i>Effective</i>	75

103	10:57	Effective	75
104	10:58	Effective	75
105	10:59	Effective	75
106	11:00	Effective	75
107	11:01	Effective	75
108	11:02	Effective	75
109	11:03	Effective	75
110	11:04	Effective	75
111	11:05	Effective	75
112	11:06	Effective	75
113	11:07	Effective	75
114	11:08	Ineffective	
115	11:09	Ineffective	
116	11:10	Ineffective	
117	11:11	Ineffective	
118	11:12	Ineffective	
119	11:13	Ineffective	
120	11:14	Ineffective	
121	11:15	Ineffective	
122	11:16	Effective	75
123	11:17	Effective	75
124	11:18	Effective	75
125	11:19	Effective	75
126	11:20	Effective	75
127	11:21	Effective	75
128	11:22	Ineffective	
129	11:23	Ineffective	
130	11:24	Effective	75
131	11:25	Effective	75
132	11:26	Effective	75
133	11:27	Effective	75
134	11:28	Effective	75
135	11:29	Ineffective	
136	11:30	Ineffective	
137	11:31	Ineffective	
138	11:32	Ineffective	
139	11:33	Ineffective	
140	11:34	Ineffective	
141	11:35	Ineffective	
142	11:36	Ineffective	
143	11:37	Ineffective	
144	11:38	Ineffective	
145	11:39	Ineffective	
146	11:40	Ineffective	
147	11:41	Ineffective	
148	11:42	Ineffective	
149			
150			

<i>effective</i>	76
<i>ineffective</i>	72
<i>total</i>	148

103	10:57	Effective	75
104	10:58	Effective	75
105	10:59	Effective	75
106	11:00	Effective	75
107	11:01	Effective	75
108	11:02	Effective	75
109	11:03	Ineffective	
110	11:04	Ineffective	
111	11:05	Ineffective	
112	11:06	Ineffective	
113	11:07	Ineffective	
114	11:08	Ineffective	
115	11:09	Ineffective	
116	11:10	Ineffective	
117	11:11	Ineffective	
118	11:12	Effective	75
119	11:13	Effective	75
120	11:14	Effective	75
121	11:15	Effective	75
122	11:16	Effective	75
123	11:17	Effective	75
124	11:18	Ineffective	
125	11:19	Ineffective	
126	11:20	Ineffective	
127	11:21	Ineffective	
128	11:22	Ineffective	
129	11:23	Ineffective	
130	11:24	Ineffective	
131	11:25	Ineffective	
132	11:26	Ineffective	
133	11:27	Ineffective	
134	11:28	Ineffective	
135	11:29	Ineffective	
136	11:30	Ineffective	
137	11:31	Ineffective	
138	11:32	Ineffective	
139	11:33	Effective	75
140	11:34	Effective	75
141	11:35	Effective	75
142	11:36	Effective	75
143	11:37	Effective	75
144	11:38	Effective	75
145	11:39	Effective	75
146	11:40	Effective	75
147	11:41	Effective	75
148	11:42	Effective	75
149			
150			

<i>effective</i>	83
<i>ineffective</i>	65
<i>total</i>	148

<b>RELAXATION ALLOWANCE</b>			
No : 5a	Waktu Mulai : 09.15	Bambang = 4.3216	
Tggl : 28 Oktober 2011	Waktu Selesai : 11.42	Yono = 4.307	
<b>PEKERJA</b>			
Bambang		Yono	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	3	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	2	Kebisingan	2
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>20</b>	<b>TOTAL</b>	<b>19</b>







<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 28 OKTOBER 2011							
Waktu Mulai : 09.15				Waktu Selesai : 11.42			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Bambang	<i>effective</i>	76	75	57	20	68,4	4,3216
	<i>ineffective</i>	72					
	<i>total</i>	148	75	57			
Yono	<i>effective</i>	83	75	62,25	19	74,0775	4,307
	<i>ineffective</i>	65					
	<i>total</i>	148	75	62,25			
Rata-rata						71,23875	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 28 OKTOBER 2011					
Waktu Mulai : 09.15			Waktu Selesai : 11.42		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Bambang	4,3216	15,8275	0,2638	26,5361	0,0377
Yono	4,307	17,1993	0,2867	24,4196	0,0410
Rata-rata				25,4779	0,0393

RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO : 5b			Waktu Mulai : 13.50			Marno = 5.8560 m2			
TggL : 28 Oktober 2011			Waktu Selesai : 16.09						
PEKERJA									
Marno									
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	13:50	Effective	100	92	1				0
2	13:51	Effective	100		2				
3	13:52	Effective	100		3				
4	13:53	Effective	100		4				
5	13:54	Effective	100		5				
6	13:55	Effective	100		6				
7	13:56	Effective	100		7				
8	13:57	Ineffective			8				
9	13:58	Ineffective			9				
10	13:59	Effective	100		10				
11	14:00	Effective	100		11				
12	14:01	Effective	100		12				
13	14:02	Effective	100		13				
14	14:03	Ineffective			14				
15	14:04	Effective	100		15				
16	14:05	Effective	100		16				
17	14:06	Ineffective			17				
18	14:07	Ineffective			18				
19	14:08	Ineffective			19				
20	14:09	Ineffective			20				
21	14:10	Ineffective			21				
22	14:11	Effective	100		22				
23	14:12	Effective	100		23				
24	14:13	Effective	100		24				
25	14:14	Effective	100		25				
26	14:15	Effective	100		26				
27	14:16	Ineffective			27				
28	14:17	Ineffective			28				
29	14:18	Ineffective			29				
30	14:19	Ineffective			30				
31	14:20	Effective	100		31				
32	14:21	Effective	100		32				
33	14:22	Effective	100		33				
34	14:23	Effective	100		34				
35	14:24	Effective	100		35				
36	14:25	Effective	100		36				
37	14:26	Effective	100		37				
38	14:27	Effective	100		38				
39	14:28	Effective	100		39				
40	14:29	Effective	100		40				
41	14:30	Effective	100		41				
42	14:31	ineffective			42				
43	14:32	ineffective			43				
44	14:33	ineffective			44				
45	14:34	ineffective			45				
46	14:35	ineffective			46				
47	14:36	ineffective			47				
48	14:37	ineffective			48				



49	14:38	<i>ineffective</i>	
50	14:39	<i>ineffective</i>	
51	14:40	<i>ineffective</i>	
52	14:41	<i>ineffective</i>	
53	14:42	<i>ineffective</i>	
54	14:43	<i>Effective</i>	100
55	14:44	<i>Effective</i>	100
56	14:45	<i>Effective</i>	100
57	14:46	<i>Effective</i>	100
58	14:47	<i>Effective</i>	100
59	14:48	<i>Effective</i>	100
60	14:49	<i>Effective</i>	100
61	14:50	<i>Effective</i>	100
62	14:51	<i>Effective</i>	100
63	14:52	<i>Effective</i>	100
64	14:53	<i>Effective</i>	100
65	14:54	<i>Effective</i>	100
66	14:55	<i>Effective</i>	100
67	14:56	<i>Effective</i>	100
68	14:57	<i>Effective</i>	100
69	14:58	<i>Effective</i>	100
70	14:59	<i>Effective</i>	100
71	15:00	<i>Effective</i>	100
72	15:01	<i>Effective</i>	100
73	15:02	<i>Effective</i>	100
74	15:03	<i>Effective</i>	100
75	15:04	<i>Effective</i>	100
76	15:05	<i>Effective</i>	100
77	15:06	<i>Effective</i>	100
78	15:07	<i>Effective</i>	100
79	15:08	<i>Effective</i>	100
80	15:09	<i>Effective</i>	100
81	15:10	<i>Effective</i>	100
82	15:11	<i>Effective</i>	100
83	15:12	<i>Effective</i>	100
84	15:13	<i>Effective</i>	100
85	15:14	<i>Effective</i>	100
86	15:15	<i>Effective</i>	100
87	15:16	<i>Effective</i>	100
88	15:17	<i>Effective</i>	100
89	15:18	<i>Effective</i>	100
90	15:19	<i>Effective</i>	100
91	15:20	<i>ineffective</i>	
92	15:21	<i>ineffective</i>	
93	15:22	<i>ineffective</i>	
94	15:23	<i>ineffective</i>	
95	15:24	<i>ineffective</i>	
96	15:25	<i>ineffective</i>	
97	15:26	<i>ineffective</i>	
98	15:27	<i>ineffective</i>	
99	15:28	<i>ineffective</i>	
100	15:29	<i>ineffective</i>	
101	15:30	<i>ineffective</i>	
102	15:31	<i>ineffective</i>	

49			
50			
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103	15:32	Effective	100
104	15:33	Effective	100
105	15:34	Effective	100
106	15:35	Effective	100
107	15:36	Effective	100
108	15:37	Effective	100
109	15:38	Effective	100
110	15:39	Effective	100
111	15:40	Effective	100
112	15:41	Effective	100
113	15:42	Effective	100
114	15:43	ineffective	
115	15:44	ineffective	
116	15:45	ineffective	
117	15:46	ineffective	
118	15:47	Effective	100
119	15:48	Effective	100
120	15:49	Effective	100
121	15:50	Effective	100
122	15:51	ineffective	
123	15:52	ineffective	
124	15:53	ineffective	
125	15:54	ineffective	
126	15:55	ineffective	
127	15:56	ineffective	
128	15:57	ineffective	
129	15:58	ineffective	
130	15:59	Effective	100
131	16:00	Effective	100
132	16:01	Effective	100
133	16:02	Effective	100
134	16:03	Effective	100
135	16:04	Effective	100
136	16:05	Effective	100
137	16:06	Effective	100
138	16:07	Effective	100
139	16:08	Effective	100
140	16:09	Effective	100
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147			
148			
149			
150			

<i>effective</i>	92
<i>ineffective</i>	48
<i>total</i>	140

<i>effective</i>	0
<i>ineffective</i>	0
<i>total</i>	148

<b>RELAXATION ALLOWANCE</b>			
No : 5b	Waktu Mulai : 13.50	Marno = 5.8560 m2	
Tggl : 28 Oktober 2011	Waktu Selesai : 16.09		
<b>PEKERJA</b>			
Marno		0	
<b>Kondisi</b>	<b>% Relaxation</b>	<b>Kondisi</b>	<b>% Relaxation</b>
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	1	Konsentrasi	
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	
Kebisingan	3	Kebisingan	
Suhu	0	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
<b>TOTAL</b>	<b>22</b>	<b>TOTAL</b>	







<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 28 OKTOBER 2011							
Waktu Mulai : 13.50				Waktu Selesai : 16.09			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Marno	<i>effective</i>	92	100	92	22	112,24	5,856
	<i>ineffective</i>	48					
	<i>total</i>	140	100	92			
0	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						112,24	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 28 OKTOBER 2011					
Waktu Mulai : 13.50			Waktu Selesai : 16.09		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Marno	5,856	19,1667	0,3194	21,9130	0,045635
Rata-rata				21,9130	0,0456

**RATED ACTIVITY SAMPLING OBSERVATIO S SHEET**

NO : 6a	Waktu Mulai : 9.28	Yono = 5.45 m2 Slamet = 4.26 m2
TggL : 29 Oktober 2011	Waktu Selesai : 11.52	

**PEKERJA**

Yono					Slamet				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	9:28	Effective	75	<b>78,75</b>	1	9:28	Ineffective		<b>55,5</b>
2	9:29	Effective	75		2	9:29	Ineffective		
3	9:30	Effective	75		3	9:30	Ineffective		
4	9:31	Ineffective			4	9:31	Ineffective		
5	9:32	Ineffective			5	9:32	Ineffective		
6	9:33	Effective	75		6	9:33	Ineffective		
7	9:34	Effective	75		7	9:34	Ineffective		
8	9:35	Effective	75		8	9:35	Ineffective		
9	9:36	Effective	75		9	9:36	Ineffective		
10	9:37	Effective	75		10	9:37	Ineffective		
11	9:38	Ineffective			11	9:38	Ineffective		
12	9:39	Ineffective			12	9:39	Ineffective		
13	9:40	Ineffective			13	9:40	Ineffective		
14	9:41	Effective	75		14	9:41	Ineffective		
15	9:42	Effective	75		15	9:42	Ineffective		
16	9:43	Effective	75		16	9:43	Ineffective		
17	9:44	Effective	75		17	9:44	Ineffective		
18	9:45	Effective	75		18	9:45	Ineffective		
19	9:46	Effective	75		19	9:46	Ineffective		
20	9:47	Effective	75		20	9:47	Ineffective		
21	9:48	Effective	75		21	9:48	Ineffective		
22	9:49	Effective	75		22	9:49	Ineffective		
23	9:50	Effective	75		23	9:50	Ineffective		
24	9:51	Ineffective			24	9:51	Ineffective		
25	9:52	Ineffective			25	9:52	Ineffective		
26	9:53	Ineffective			26	9:53	Ineffective		
27	9:54	Ineffective			27	9:54	Ineffective		
28	9:55	Ineffective			28	9:55	Ineffective		
29	9:56	Effective	75		29	9:56	Ineffective		
30	9:57	Effective	75		30	9:57	Ineffective		
31	9:58	Effective	75		31	9:58	Ineffective		
32	9:59	Effective	75		32	9:59	Ineffective		
33	10:00	Effective	75		33	10:00	Ineffective		
34	10:01	Effective	75		34	10:01	Ineffective		
35	10:02	Effective	75		35	10:02	Ineffective		
36	10:03	Effective	75		36	10:03	Ineffective		
37	10:04	Effective	75		37	10:04	Ineffective		
38	10:05	Ineffective			38	10:05	Ineffective		
39	10:06	Ineffective			39	10:06	Ineffective		
40	10:07	Effective	75		40	10:07	Ineffective		
41	10:08	Effective	75		41	10:08	Ineffective		
42	10:09	Effective	75		42	10:09	Ineffective		
43	10:10	Effective	75		43	10:10	Effective	75	
44	10:11	Effective	75		44	10:11	Effective	75	
45	10:12	Effective	75		45	10:12	Effective	75	
46	10:13	Effective	75		46	10:13	Effective	75	
47	10:14	Effective	75		47	10:14	Effective	75	

48	10:15	Effective	75
49	10:16	Effective	75
50	10:17	Effective	75
51	10:18	Effective	75
52	10:19	Ineffective	
53	10:20	Ineffective	
54	10:21	Effective	75
55	10:22	Effective	75
56	10:23	Effective	75
57	10:24	Effective	75
58	10:25	Effective	75
59	10:26	Ineffective	
60	10:27	Ineffective	
61	10:28	Ineffective	
62	10:29	Ineffective	
63	10:30	Ineffective	
64	10:31	Effective	75
65	10:32	Effective	75
66	10:33	Effective	75
67	10:34	Effective	75
68	10:35	Effective	75
69	10:36	Effective	75
70	10:37	Effective	75
71	10:38	Effective	75
72	10:39	Effective	75
73	10:40	Effective	75
74	10:41	Effective	75
75	10:42	Effective	75
76	10:43	Effective	75
77	10:44	Effective	75
78	10:45	Ineffective	
79	10:46	Ineffective	
80	10:47	Ineffective	
81	10:48	Ineffective	
82	10:49	Effective	75
83	10:50	Effective	75
84	10:51	Effective	75
85	10:52	Effective	75
86	10:53	Effective	75
87	10:54	Effective	75
88	10:55	Effective	75
89	10:56	Effective	75
90	10:57	Effective	75
91	10:58	Effective	75
92	10:59	Effective	75
93	11:00	Effective	75
94	11:01	Effective	75
95	11:02	Ineffective	
96	11:03	Ineffective	
97	11:04	Ineffective	
98	11:05	Ineffective	
99	11:06	Ineffective	
100	11:07	Ineffective	
101	11:08	Ineffective	

48	10:15	Effective	75
49	10:16	Ineffective	
50	10:17	Ineffective	
51	10:18	Effective	75
52	10:19	Effective	75
53	10:20	Effective	75
54	10:21	Ineffective	
55	10:22	Ineffective	
56	10:23	Ineffective	
57	10:24	Ineffective	
58	10:25	Ineffective	
59	10:26	Ineffective	
60	10:27	Effective	75
61	10:28	Effective	75
62	10:29	Effective	75
63	10:30	Effective	75
64	10:31	Effective	75
65	10:32	Effective	75
66	10:33	Effective	75
67	10:34	Effective	75
68	10:35	Effective	75
69	10:36	Effective	75
70	10:37	Effective	75
71	10:38	Effective	75
72	10:39	Effective	75
73	10:40	Effective	75
74	10:41	Effective	75
75	10:42	Effective	75
76	10:43	Ineffective	
77	10:44	Ineffective	
78	10:45	Ineffective	
79	10:46	Ineffective	
80	10:47	Ineffective	
81	10:48	Ineffective	
82	10:49	Ineffective	
83	10:50	Ineffective	
84	10:51	Ineffective	
85	10:52	Effective	75
86	10:53	Effective	75
87	10:54	Effective	75
88	10:55	Effective	75
89	10:56	Effective	75
90	10:57	Effective	75
91	10:58	Effective	75
92	10:59	Effective	75
93	11:00	Effective	75
94	11:01	Effective	75
95	11:02	Effective	75
96	11:03	Effective	75
97	11:04	Effective	75
98	11:05	Ineffective	
99	11:06	Ineffective	
100	11:07	Effective	75
101	11:08	Effective	75



102	11:09	Ineffective	
103	11:10	Ineffective	
104	11:11	Effective	75
105	11:12	Effective	75
106	11:13	Effective	75
107	11:14	Effective	75
108	11:15	Effective	75
109	11:16	Effective	75
110	11:17	Effective	75
111	11:18	Effective	75
112	11:19	Effective	75
113	11:20	Effective	75
114	11:21	Effective	75
115	11:22	Effective	75
116	11:23	Effective	75
117	11:24	Effective	75
118	11:25	Ineffective	
119	11:26	Ineffective	
120	11:27	Ineffective	
121	11:28	Ineffective	
122	11:29	Effective	75
123	11:30	Effective	75
124	11:31	Effective	75
125	11:32	Effective	75
126	11:33	Effective	75
127	11:34	Effective	75
128	11:35	Effective	75
129	11:36	Effective	75
130	11:37	Effective	75
131	11:38	Effective	75
132	11:39	Effective	75
133	11:40	Effective	75
134	11:41	Effective	75
135	11:42	Effective	75
136	11:43	Ineffective	75
137	11:44	Ineffective	75
138	11:45	Ineffective	75
139	11:46	Effective	75
140	11:47	Effective	75
141	11:48	Effective	75
142	11:49	Ineffective	
143	11:50	Ineffective	
144	11:51	Ineffective	
145	11:52	Ineffective	
146			
147			
148			
149			
150			

102	11:09	Effective	75
103	11:10	Effective	75
104	11:11	Effective	75
105	11:12	Ineffective	
106	11:13	Ineffective	
107	11:14	Effective	75
108	11:15	Effective	75
109	11:16	Effective	75
110	11:17	Effective	75
111	11:18	Effective	75
112	11:19	Effective	75
113	11:20	Effective	75
114	11:21	Effective	75
115	11:22	Effective	75
116	11:23	Effective	75
117	11:24	Effective	75
118	11:25	Effective	75
119	11:26	Effective	75
120	11:27	Effective	75
121	11:28	Effective	75
122	11:29	Ineffective	
123	11:30	Ineffective	
124	11:31	Ineffective	
125	11:32	Ineffective	
126	11:33	Ineffective	
127	11:34	Ineffective	
128	11:35	Ineffective	
129	11:36	Ineffective	
130	11:37	Effective	75
131	11:38	Effective	75
132	11:39	Effective	75
133	11:40	Effective	75
134	11:41	Effective	75
135	11:42	Effective	75
136	11:43	Effective	75
137	11:44	Effective	75
138	11:45	Effective	75
139	11:46	Effective	75
140	11:47	Effective	75
141	11:48	Effective	75
142	11:49	Effective	75
143	11:50	Effective	75
144	11:51	Effective	75
145	11:52	Effective	75
146			
147			
148			
149			
150			

<i>effective</i>	105
<i>ineffective</i>	40
<i>total</i>	145

<i>effective</i>	74
<i>ineffective</i>	71
<i>total</i>	145

<b>RELAXATION ALLOWANCE</b>			
No : 6a	Waktu Mulai : 9.28	Yono = 5.45 m2	
TggI : 29 Oktober 2011	Waktu Selesai : 11.52	Slamet = 4.26 m2	
<b>PEKERJA</b>			
Yono		Slamet	
<b>Kondisi</b>	<b>% Relaxation</b>	<b>Kondisi</b>	<b>% Relaxation</b>
Standar	8	Standar	8
Posisi Kerja	4	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>20</b>	<b>TOTAL</b>	<b>18</b>



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 OKTOBER 2011							
Waktu Mulai : 9.28				Waktu Selesai : 11.52			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Yono	<i>effective</i>	105	75	78,75	20	94,5	5,45
	<i>ineffective</i>	40					
	<i>total</i>	145	75	78,75			
Slamet	<i>effective</i>	74	75	55,5	18	65,49	4,26
	<i>ineffective</i>	71					
	<i>total</i>	145	75	55,5			
Rata-rata						79,995	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 OKTOBER 2011					
Waktu Mulai : 9.28			Waktu Selesai : 11.52		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Yono	5,45	17,3394	0,2890	24,2222	0,0413
Slamet	4,26	15,3732	0,2562	27,3202	0,0366
Rata-rata				25,7712	0,0389

**RATED ACTIVITY SAMPLING OBSERVATIO S SHEET**

NO : 6b	Waktu Mulai : 13.30	Marno = 5.93 Yono = 4.98
TggL : 29 Oktober 2011	Waktu Selesai : 15.31	

**PEKERJA**

Marno				Yono					
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	1:30	Effective	100	<b>84</b>	1	1:30	Ineffective		<b>72</b>
2	1:31	Effective	100		2	1:31	Ineffective		
3	1:32	Effective	100		3	1:32	Ineffective		
4	1:33	Ineffective			4	1:33	Ineffective		
5	1:34	Ineffective			5	1:34	Ineffective		
6	1:35	Ineffective			6	1:35	Ineffective		
7	1:36	Effective	100		7	1:36	Ineffective		
8	1:37	Effective	100		8	1:37	Ineffective		
9	1:38	Effective	100		9	1:38	Effective	75	
10	1:39	Effective	100		10	1:39	Effective	75	
11	1:40	Effective	100		11	1:40	Effective	75	
12	1:41	Ineffective			12	1:41	Effective	75	
13	1:42	Ineffective			13	1:42	Effective	75	
14	1:43	Effective	100		14	1:43	Effective	75	
15	1:44	Effective	100		15	1:44	Effective	75	
16	1:45	Effective	100		16	1:45	Effective	75	
17	1:46	Ineffective			17	1:46	Effective	75	
18	1:47	Ineffective			18	1:47	Effective	75	
19	1:48	Ineffective			19	1:48	Effective	75	
20	1:49	Ineffective			20	1:49	Effective	75	
21	1:50	Ineffective			21	1:50	Effective	75	
22	1:51	Ineffective			22	1:51	Effective	75	
23	1:52	Ineffective			23	1:52	Effective	75	
24	1:53	Effective	100		24	1:53	Effective	75	
25	1:54	Effective	100		25	1:54	Effective	75	
26	1:55	Effective	100		26	1:55	Effective	75	
27	1:56	Ineffective			27	1:56	Effective	75	
28	1:57	Ineffective			28	1:57	Effective	75	
29	1:58	Effective	100		29	1:58	Effective	75	
30	1:59	Effective	100		30	1:59	Effective	75	
31	2:00	Effective	100		31	2:00	Effective	75	
32	2:01	Effective	100		32	2:01	Effective	75	
33	2:02	Effective	100		33	2:02	Effective	75	
34	2:03	Effective	100		34	2:03	Effective	75	
35	2:04	Effective	100		35	2:04	Effective	75	
36	2:05	Effective	100		36	2:05	Ineffective		
37	2:06	Effective	100		37	2:06	Ineffective		
38	2:07	Effective	100		38	2:07	Ineffective		
39	2:08	Effective	100		39	2:08	Ineffective		
40	2:09	Effective	100		40	2:09	Ineffective		
41	2:10	Effective	100		41	2:10	Ineffective		
42	2:11	Effective	100		42	2:11	Effective	75	
43	2:12	Effective	100		43	2:12	Effective	75	
44	2:13	Effective	100		44	2:13	Effective	75	
45	2:14	Ineffective			45	2:14	Effective	75	
46	2:15	Ineffective			46	2:15	Effective	75	
47	2:16	Ineffective			47	2:16	Effective	75	

48	2:17	<i>Ineffective</i>	
49	2:18	<i>Ineffective</i>	
50	2:19	<i>Ineffective</i>	
51	2:20	<i>Effective</i>	100
52	2:21	<i>Effective</i>	100
53	2:22	<i>Effective</i>	100
54	2:23	<i>Effective</i>	100
55	2:24	<i>Effective</i>	100
56	2:25	<i>Effective</i>	100
57	2:26	<i>Effective</i>	100
58	2:27	<i>Effective</i>	100
59	2:28	<i>Effective</i>	100
60	2:29	<i>Effective</i>	100
61	2:30	<i>Effective</i>	100
62	2:31	<i>Effective</i>	100
63	2:32	<i>Effective</i>	100
64	2:33	<i>Ineffective</i>	
65	2:34	<i>Ineffective</i>	
66	2:35	<i>Ineffective</i>	
67	2:36	<i>Ineffective</i>	
68	2:37	<i>Ineffective</i>	
69	2:38	<i>Ineffective</i>	
70	2:39	<i>Effective</i>	100
71	2:40	<i>Effective</i>	100
72	2:41	<i>Effective</i>	100
73	2:42	<i>Effective</i>	100
74	2:43	<i>Effective</i>	100
75	2:44	<i>Effective</i>	100
76	2:45	<i>Effective</i>	100
77	2:46	<i>Effective</i>	100
78	2:47	<i>Effective</i>	100
79	2:48	<i>Effective</i>	100
80	2:49	<i>Effective</i>	100
81	2:50	<i>Effective</i>	100
82	2:51	<i>Effective</i>	100
83	2:52	<i>Effective</i>	100
84	2:53	<i>Effective</i>	100
85	2:54	<i>Effective</i>	100
86	2:55	<i>Effective</i>	100
87	2:56	<i>Effective</i>	100
88	2:57	<i>Effective</i>	100
89	2:58	<i>Ineffective</i>	
90	2:59	<i>Ineffective</i>	
91	3:00	<i>Ineffective</i>	
92	3:01	<i>Effective</i>	100
93	3:02	<i>Effective</i>	100
94	3:03	<i>Effective</i>	100
95	3:04	<i>Effective</i>	100
96	3:05	<i>Effective</i>	100
97	3:06	<i>Effective</i>	100
98	3:07	<i>Effective</i>	100
99	3:08	<i>Effective</i>	100
100	3:09	<i>Effective</i>	100
101	3:10	<i>Ineffective</i>	

48	2:17	<i>Effective</i>	75
49	2:18	<i>Effective</i>	75
50	2:19	<i>Effective</i>	75
51	2:20	<i>Effective</i>	75
52	2:21	<i>Effective</i>	75
53	2:22	<i>Effective</i>	75
54	2:23	<i>Effective</i>	75
55	2:24	<i>Effective</i>	75
56	2:25	<i>Effective</i>	75
57	2:26	<i>Effective</i>	75
58	2:27	<i>Effective</i>	75
59	2:28	<i>Ineffective</i>	
60	2:29	<i>Ineffective</i>	
61	2:30	<i>Ineffective</i>	
62	2:31	<i>Ineffective</i>	
63	2:32	<i>Ineffective</i>	
64	2:33	<i>Ineffective</i>	
65	2:34	<i>Ineffective</i>	
66	2:35	<i>Effective</i>	75
67	2:36	<i>Effective</i>	75
68	2:37	<i>Effective</i>	75
69	2:38	<i>Effective</i>	75
70	2:39	<i>Effective</i>	75
71	2:40	<i>Effective</i>	75
72	2:41	<i>Effective</i>	75
73	2:42	<i>Effective</i>	75
74	2:43	<i>Ineffective</i>	
75	2:44	<i>Ineffective</i>	
76	2:45	<i>Ineffective</i>	
77	2:46	<i>Effective</i>	75
78	2:47	<i>Effective</i>	75
79	2:48	<i>Effective</i>	75
80	2:49	<i>Effective</i>	75
81	2:50	<i>Effective</i>	75
82	2:51	<i>Effective</i>	75
83	2:52	<i>Effective</i>	75
84	2:53	<i>Effective</i>	75
85	2:54	<i>Effective</i>	75
86	2:55	<i>Effective</i>	75
87	2:56	<i>Effective</i>	75
88	2:57	<i>Effective</i>	75
89	2:58	<i>Effective</i>	75
90	2:59	<i>Effective</i>	75
91	3:00	<i>Effective</i>	75
92	3:01	<i>Effective</i>	75
93	3:02	<i>Effective</i>	75
94	3:03	<i>Effective</i>	75
95	3:04	<i>Effective</i>	75
96	3:05	<i>Effective</i>	75
97	3:06	<i>Effective</i>	75
98	3:07	<i>Ineffective</i>	
99	3:08	<i>Ineffective</i>	
100	3:09	<i>Ineffective</i>	
101	3:10	<i>Ineffective</i>	

102	3:11	Ineffective	
103	3:12	Ineffective	
104	3:13	Ineffective	
105	3:14	Ineffective	
106	3:15	Ineffective	
107	3:16	Ineffective	
108	3:17	Ineffective	
109	3:18	Ineffective	
110	3:19	Ineffective	
111	3:20	Ineffective	
112	3:21	Ineffective	
113	3:22	Ineffective	
114	3:23	Ineffective	
115	3:24	Ineffective	
116	3:25	Ineffective	
117	3:26	Ineffective	
118	3:27	Ineffective	
119	3:28	Ineffective	
120	3:29	Ineffective	
121	3:30	Ineffective	
122	3:31	Ineffective	
123	3:32	Ineffective	
124	3:33	Ineffective	
125	3:34	Ineffective	
126	3:35	Ineffective	
127	3:36	Ineffective	
128	3:37	Ineffective	
129	3:38	Ineffective	
130	3:39	Effective	100
131	3:40	Effective	100
132	3:41	Effective	100
133	3:42	Effective	100
134	3:43	Effective	100
135	3:44	Effective	100
136	3:45	Effective	100
137	3:46	Effective	100
138	3:47	Effective	100
139	3:48	Effective	100
140	3:49	Effective	100
141	3:50	Effective	100
142	3:51	Effective	100
143			
144			
145			
146			
147			
148			
149			
150			

<i>effective</i>	84
<i>ineffective</i>	58
<i>total</i>	142

102	3:11	Ineffective	
103	3:12	Ineffective	
104	3:13	Ineffective	
105	3:14	Ineffective	
106	3:15	Ineffective	
107	3:16	Ineffective	
108	3:17	Ineffective	
109	3:18	Ineffective	
110	3:19	Effective	75
111	3:20	Effective	75
112	3:21	Effective	75
113	3:22	Effective	75
114	3:23	Effective	75
115	3:24	Effective	75
116	3:25	Effective	75
117	3:26	Effective	75
118	3:27	Effective	75
119	3:28	Effective	75
120	3:29	Effective	75
121	3:30	Effective	75
122	3:31	Effective	75
123	3:32	Effective	75
124	3:33	Effective	75
125	3:34	Effective	75
126	3:35	Effective	75
127	3:36	Effective	75
128	3:37	Effective	75
129	3:38	Effective	75
130	3:39	Effective	75
131	3:40	Effective	75
132	3:41	Effective	75
133	3:42	Ineffective	
134	3:43	Ineffective	
135	3:44	Ineffective	
136	3:45	Ineffective	
137	3:46	Ineffective	
138	3:47	Ineffective	
139	3:48	Ineffective	
140	3:49	Ineffective	
141	3:50	Ineffective	
142	3:51	Ineffective	
143			
144			
145			
146			
147			
148			
149			
150			

<i>effective</i>	96
<i>ineffective</i>	46
<i>total</i>	142

RELAXATION ALLOWANCE			
No : 6b	Waktu Mulai : 13.30	Marno = 5.93	
TggI : 29 Oktober 2011	Waktu Selesai : 15.31	Yono = 4.98	
PEKERJA			
Marno		Yono	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	4
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	5	Suhu	5
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
TOTAL	24	TOTAL	25



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 OKTOBER 2011							
Waktu Mulai : 13.30				Waktu Selesai : 15.31			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Marno	<i>effective</i>	84	100	84	24	104,16	5,93
	<i>ineffective</i>	58					
	<i>total</i>	142	100	84			
Yono	<i>effective</i>	96	75	72	25	90	4,98
	<i>ineffective</i>	46					
	<i>total</i>	142	75	72			
Rata-rata						97,08	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 OKTOBER 2011					
Waktu Mulai : 13.30			Waktu Selesai : 15.31		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Marno	5,93	17,5649	0,2927	23,9113	0,0418
Yono	4,98	18,0723	0,3012	23,2400	0,0430
Rata-rata				23,5756	0,0424



RATED ACTIVITY SAMPLING OBSERVATIO S SHEET									
NO : 7a			Waktu Mulai : 9.48			Ukri = 5.1			
TggL : 30 Oktober 2011			Waktu Selesai : 12.00			Yono = 3.79			
PEKERJA									
Ukri					Yono				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	9:48	Effective	75	<b>71,25</b>	1	9:48	Effective	75	<b>58,5</b>
2	9:49	Effective	75		2	9:49	Effective	75	
3	9:50	Effective	75		3	9:50	Effective	75	
4	9:51	Effective	75		4	9:51	Effective	75	
5	9:52	Effective	75		5	9:52	Effective	75	
6	9:53	Effective	75		6	9:53	Effective	75	
7	9:54	Effective	75		7	9:54	Ineffective		
8	9:55	Effective	75		8	9:55	Ineffective		
9	9:56	Effective	75		9	9:56	Ineffective		
10	9:57	Effective	75		10	9:57	Ineffective		
11	9:58	Effective	75		11	9:58	Ineffective		
12	9:59	Effective	75		12	9:59	Ineffective		
13	10:00	Effective	75		13	10:00	Ineffective		
14	10:01	Effective	75		14	10:01	Ineffective		
15	10:02	Effective	75		15	10:02	Ineffective		
16	10:03	Ineffective			16	10:03	Effective	75	
17	10:04	Ineffective			17	10:04	Effective	75	
18	10:05	Ineffective			18	10:05	Effective	75	
19	10:06	Effective	75		19	10:06	Effective	75	
20	10:07	Effective	75		20	10:07	Effective	75	
21	10:08	Effective	75		21	10:08	Effective	75	
22	10:09	Effective	75		22	10:09	Effective	75	
23	10:10	Effective	75		23	10:10	Effective	75	
24	10:11	Effective	75		24	10:11	Effective	75	
25	10:12	Effective	75		25	10:12	Effective	75	
26	10:13	Effective	75		26	10:13	Effective	75	
27	10:14	Effective	75		27	10:14	Effective	75	
28	10:15	Effective	75		28	10:15	Effective	75	
29	10:16	Effective	75		29	10:16	Effective	75	
30	10:17	Effective	75		30	10:17	Effective	75	
31	10:18	Effective	75		31	10:18	Effective	75	
32	10:19	Effective	75		32	10:19	Effective	75	
33	10:20	Ineffective			33	10:20	Ineffective		
34	10:21	Ineffective			34	10:21	Ineffective		
35	10:22	Ineffective			35	10:22	Ineffective		
36	10:23	Ineffective			36	10:23	Effective	75	
37	10:24	Ineffective			37	10:24	Effective	75	
38	10:25	Ineffective			38	10:25	Effective	75	
39	10:26	Ineffective			39	10:26	Effective	75	
40	10:27	Effective	75		40	10:27	Effective	75	
41	10:28	Effective	75		41	10:28	Effective	75	
42	10:29	Effective	75		42	10:29	Ineffective		
43	10:30	Effective	75		43	10:30	Ineffective		
44	10:31	Effective	75		44	10:31	Ineffective		
45	10:32	Effective	75		45	10:32	Ineffective		
46	10:33	Effective	75		46	10:33	Ineffective		
47	10:34	Effective	75		47	10:34	Ineffective		

48	10:35	Effective	75
49	10:36	Effective	75
50	10:37	Effective	75
51	10:38	Effective	75
52	10:39	Effective	75
53	10:40	Effective	75
54	10:41	Effective	75
55	10:42	Effective	75
56	10:43	Effective	75
57	10:44	Effective	75
58	10:45	Effective	75
59	10:46	Effective	75
60	10:47	Effective	75
61	10:48	Ineffective	
62	10:49	Ineffective	
63	10:50	Ineffective	
64	10:51	Ineffective	
65	10:52	Ineffective	
66	10:53	Ineffective	
67	10:54	Ineffective	
68	10:55	Ineffective	
69	10:56	Effective	75
70	10:57	Effective	75
71	10:58	Effective	75
72	10:59	Effective	75
73	11:00	Effective	75
74	11:01	Effective	75
75	11:02	Effective	75
76	11:03	Effective	75
77	11:04	Ineffective	
78	11:05	Ineffective	
79	11:06	Ineffective	
80	11:07	Effective	75
81	11:08	Effective	75
82	11:09	Effective	75
83	11:10	Effective	75
84	11:11	Effective	75
85	11:12	Effective	75
86	11:13	Effective	75
87	11:14	Effective	75
88	11:15	Effective	75
89	11:16	Effective	75
90	11:17	Ineffective	
91	11:18	Ineffective	
92	11:19	Ineffective	
93	11:20	Ineffective	
94	11:21	Effective	75
95	11:22	Effective	75
96	11:23	Effective	75
97	11:24	Effective	75
98	11:25	Effective	75
99	11:26	Effective	75
100	11:27	Effective	75
101	11:28	Effective	75

48	10:35	Ineffective	
49	10:36	Ineffective	
50	10:37	Ineffective	
51	10:38	Ineffective	
52	10:39	Ineffective	
53	10:40	Ineffective	
54	10:41	Ineffective	
55	10:42	Ineffective	
56	10:43	Ineffective	
57	10:44	Ineffective	
58	10:45	Ineffective	
59	10:46	Ineffective	
60	10:47	Ineffective	
61	10:48	Ineffective	
62	10:49	Ineffective	
63	10:50	Ineffective	
64	10:51	Ineffective	
65	10:52	Ineffective	
66	10:53	Ineffective	
67	10:54	Ineffective	
68	10:55	Ineffective	
69	10:56	Ineffective	
70	10:57	Ineffective	
71	10:58	Ineffective	
72	10:59	Ineffective	
73	11:00	Ineffective	
74	11:01	Ineffective	
75	11:02	Ineffective	
76	11:03	Ineffective	
77	11:04	Effective	75
78	11:05	Effective	75
79	11:06	Effective	75
80	11:07	Effective	75
81	11:08	Effective	75
82	11:09	Effective	75
83	11:10	Effective	75
84	11:11	Effective	75
85	11:12	Effective	75
86	11:13	Effective	75
87	11:14	Effective	75
88	11:15	Effective	75
89	11:16	Effective	75
90	11:17	Effective	75
91	11:18	Effective	75
92	11:19	Ineffective	
93	11:20	Ineffective	
94	11:21	Effective	75
95	11:22	Effective	75
96	11:23	Effective	75
97	11:24	Effective	75
98	11:25	Effective	75
99	11:26	Effective	75
100	11:27	Effective	75
101	11:28	Effective	75

102	11:29	Effective	75
103	11:30	Effective	75
104	11:31	Effective	75
105	11:32	Effective	75
106	11:33	Effective	75
107	11:34	Effective	75
108	11:35	Effective	75
109	11:36	Effective	75
110	11:37	Effective	75
111	11:38	Effective	75
112	11:39	Effective	75
113	11:40	Ineffective	
114	11:41	Ineffective	
115	11:42	Ineffective	
116	11:43	Ineffective	
117	11:44	Ineffective	
118	11:45	Ineffective	
119	11:46	Ineffective	
120	11:47	Effective	75
121	11:48	Effective	75
122	11:49	Effective	75
123	11:50	Effective	75
124	11:51	Effective	75
125	11:52	Effective	75
126	11:53	Ineffective	
127	11:54	Ineffective	
128	11:55	Ineffective	
129	11:56	Effective	75
130	11:57	Effective	75
131	11:58	Ineffective	
132	11:59	Ineffective	
133	12:00	Ineffective	
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			

<i>effective</i>	95
<i>ineffective</i>	38
<i>total</i>	133

102	11:29	Ineffective	
103	11:30	Ineffective	
104	11:31	Effective	75
105	11:32	Effective	75
106	11:33	Effective	75
107	11:34	Effective	75
108	11:35	Effective	75
109	11:36	Effective	75
110	11:37	Effective	75
111	11:38	Effective	75
112	11:39	Effective	75
113	11:40	Effective	75
114	11:41	Effective	75
115	11:42	Effective	75
116	11:43	Effective	75
117	11:44	Effective	75
118	11:45	Effective	75
119	11:46	Effective	75
120	11:47	Effective	75
121	11:48	Effective	75
122	11:49	Effective	75
123	11:50	Effective	75
124	11:51	Ineffective	
125	11:52	Ineffective	
126	11:53	Ineffective	
127	11:54	Ineffective	
128	11:55	Effective	75
129	11:56	Effective	75
130	11:57	Effective	75
131	11:58	Effective	75
132	11:59	Effective	75
133	12:00	Effective	75
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			

<i>effective</i>	78
<i>ineffective</i>	55
<i>total</i>	133

<b>RELAXATION ALLOWANCE</b>			
No : 7a	Waktu Mulai : 9.48	Ukri = 5.1	
TggI : 30 Oktober 2011	Waktu Selesai : 12.00	Yono = 3.79	
<b>PEKERJA</b>			
Ukri		Yono	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	4
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	0	Kebosanan	0
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>18</b>	<b>TOTAL</b>	<b>20</b>



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 OKTOBER 2011							
Waktu Mulai : 9.48				Waktu Selesai : 12.00			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Ukri	<i>effective</i>	95	75	71,25	18	84,075	5,1
	<i>ineffective</i>	38					
	<i>total</i>	133	75	71,25			
Yono	<i>effective</i>	78	75	58,5	20	70,2	3,79
	<i>ineffective</i>	55					
	<i>total</i>	133	75	58,5			
Rata-rata						77,1375	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 OKTOBER 2011					
Waktu Mulai : 9.48			Waktu Selesai : 12.00		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Ukri	5,1	16,4853	0,2748	25,4773	0,0393
Yono	3,79	18,5224	0,3087	22,6752	0,0441
Rata-rata				24,0762	0,0417

**RATED ACTIVITY SAMPLING OBSERVATIO S SHEET**

NO : 7b	Waktu Mulai : 13.40	Bambang = 2.12 m2 Ukri = 3.90 m2
TggL : 30 Oktober 2011	Waktu Selesai : 15.40	

**PEKERJA**

Bambang					Ukri				
No	Waktu	ATC	Rate	BT	No	Waktu	ATC		BT
1	13:40	<i>Ineffective</i>		<b>42,75</b>	1	13:40	<i>Effective</i>	75	<b>70,5</b>
2	13:41	<i>Ineffective</i>			2	13:41	<i>Effective</i>	75	
3	13:42	<i>Ineffective</i>			3	13:42	<i>Effective</i>	75	
4	13:43	<i>Ineffective</i>			4	13:43	<i>Effective</i>	75	
5	13:44	<i>Ineffective</i>			5	13:44	<i>Effective</i>	75	
6	13:45	<i>Ineffective</i>			6	13:45	<i>Effective</i>	75	
7	13:46	<i>Ineffective</i>			7	13:46	<i>Effective</i>	75	
8	13:47	<i>Ineffective</i>			8	13:47	<i>Effective</i>	75	
9	13:48	<i>Ineffective</i>			9	13:48	<i>Effective</i>	75	
10	13:49	<i>Ineffective</i>			10	13:49	<i>Effective</i>	75	
11	13:50	<i>Ineffective</i>			11	13:50	<i>Effective</i>	75	
12	13:51	<i>Ineffective</i>			12	13:51	<i>Effective</i>	75	
13	13:52	<i>Ineffective</i>			13	13:52	<i>Effective</i>	75	
14	13:53	<i>Ineffective</i>			14	13:53	<i>Effective</i>	75	
15	13:54	<i>Ineffective</i>			15	13:54	<i>Effective</i>	75	
16	13:55	<i>Ineffective</i>			16	13:55	<i>Ineffective</i>		
17	13:56	<i>Ineffective</i>			17	13:56	<i>Ineffective</i>		
18	13:57	<i>Ineffective</i>			18	13:57	<i>Ineffective</i>		
19	13:58	<i>Ineffective</i>			19	13:58	<i>Ineffective</i>		
20	13:59	<i>Ineffective</i>			20	13:59	<i>Effective</i>	75	
21	14:00	<i>Ineffective</i>			21	14:00	<i>Effective</i>	75	
22	14:01	<i>Ineffective</i>			22	14:01	<i>Effective</i>	75	
23	14:02	<i>Ineffective</i>			23	14:02	<i>Effective</i>	75	
24	14:03	<i>Ineffective</i>			24	14:03	<i>Effective</i>	75	
25	14:04	<i>Ineffective</i>			25	14:04	<i>Effective</i>	75	
26	14:05	<i>Ineffective</i>			26	14:05	<i>Effective</i>	75	
27	14:06	<i>Ineffective</i>			27	14:06	<i>Effective</i>	75	
28	14:07	<i>Ineffective</i>			28	14:07	<i>Effective</i>	75	
29	14:08	<i>Ineffective</i>			29	14:08	<i>Effective</i>	75	
30	14:09	<i>Ineffective</i>			30	14:09	<i>Effective</i>	75	
31	14:10	<i>Ineffective</i>			31	14:10	<i>Effective</i>	75	
32	14:11	<i>Ineffective</i>			32	14:11	<i>Effective</i>	75	
33	14:12	<i>Ineffective</i>			33	14:12	<i>Effective</i>	75	
34	14:13	<i>Ineffective</i>			34	14:13	<i>Effective</i>	75	
35	14:14	<i>Ineffective</i>			35	14:14	<i>Effective</i>	75	
36	14:15	<i>Ineffective</i>			36	14:15	<i>Ineffective</i>		
37	14:16	<i>Ineffective</i>			37	14:16	<i>Ineffective</i>		
38	14:17	<i>Ineffective</i>			38	14:17	<i>Effective</i>	75	
39	14:18	<i>Ineffective</i>			39	14:18	<i>Effective</i>	75	
40	14:19	<i>Ineffective</i>			40	14:19	<i>Effective</i>	75	
41	14:20	<i>Ineffective</i>			41	14:20	<i>Effective</i>	75	
42	14:21	<i>Effective</i>	75		42	14:21	<i>Effective</i>	75	
43	14:22	<i>Effective</i>	75		43	14:22	<i>Effective</i>	75	
44	14:23	<i>Effective</i>	75		44	14:23	<i>Ineffective</i>		
45	14:24	<i>Effective</i>	75		45	14:24	<i>Ineffective</i>		
46	14:25	<i>Effective</i>	75		46	14:25	<i>Ineffective</i>		
47	14:26	<i>Effective</i>	75		47	14:26	<i>Ineffective</i>		

48	14:27	Effective	75
49	14:28	Effective	75
50	14:29	Effective	75
51	14:30	Effective	75
52	14:31	Effective	75
53	14:32	Effective	75
54	14:33	Ineffective	
55	14:34	Ineffective	
56	14:35	Ineffective	
57	14:36	Ineffective	
58	14:37	Ineffective	
59	14:38	Effective	75
60	14:39	Effective	75
61	14:40	Effective	75
62	14:41	Effective	75
63	14:42	Effective	75
64	14:43	Ineffective	
65	14:44	Ineffective	
66	14:45	Ineffective	
67	14:46	Ineffective	
68	14:47	Effective	75
69	14:48	Effective	75
70	14:49	Effective	75
71	14:50	Effective	75
72	14:51	Effective	75
73	14:52	Effective	75
74	14:53	Effective	75
75	14:54	Effective	75
76	14:55	Ineffective	
77	14:56	Ineffective	
78	14:57	Ineffective	
79	14:58	Effective	75
80	14:59	Effective	75
81	15:00	Effective	75
82	15:01	Effective	75
83	15:02	Effective	75
84	15:03	Effective	75
85	15:04	Effective	75
86	15:05	Effective	75
87	15:06	Effective	75
88	15:07	Effective	75
89	15:08	Effective	75
90	15:09	Effective	75
91	15:10	Effective	75
92	15:11	Effective	75
93	15:12	Effective	75
94	15:13	Effective	75
95	15:14	Effective	75
96	15:15	Effective	75
97	15:16	Effective	75
98	15:17	Effective	75
99	15:18	Effective	75
100	15:19	Effective	75
101	15:20	Effective	75

48	14:27	Ineffective	
49	14:28	Ineffective	
50	14:29	Ineffective	
51	14:30	Ineffective	
52	14:31	Ineffective	
53	14:32	Ineffective	
54	14:33	Effective	75
55	14:34	Effective	75
56	14:35	Effective	75
57	14:36	Effective	75
58	14:37	Effective	75
59	14:38	Effective	75
60	14:39	Effective	75
61	14:40	Effective	75
62	14:41	Effective	75
63	14:42	Effective	75
64	14:43	Effective	75
65	14:44	Effective	75
66	14:45	Effective	75
67	14:46	Effective	75
68	14:47	Effective	75
69	14:48	Effective	75
70	14:49	Effective	75
71	14:50	Effective	75
72	14:51	Ineffective	
73	14:52	Ineffective	
74	14:53	Ineffective	
75	14:54	Ineffective	
76	14:55	Effective	75
77	14:56	Effective	75
78	14:57	Effective	75
79	14:58	Effective	75
80	14:59	Effective	75
81	15:00	Effective	75
82	15:01	Effective	75
83	15:02	Effective	75
84	15:03	Effective	75
85	15:04	Effective	75
86	15:05	Effective	75
87	15:06	Effective	75
88	15:07	Effective	75
89	15:08	Effective	75
90	15:09	Effective	75
91	15:10	Effective	75
92	15:11	Effective	75
93	15:12	Effective	75
94	15:13	Effective	75
95	15:14	Effective	75
96	15:15	Effective	75
97	15:16	Effective	75
98	15:17	Effective	75
99	15:18	Effective	75
100	15:19	Effective	75
101	15:20	Effective	75

102	15:21	Effective	75
103	15:22	Effective	75
104	15:23	Effective	75
105	15:24	Ineffective	
106	15:25	Ineffective	
107	15:26	Ineffective	
108	15:27	Ineffective	
109	15:28	Ineffective	
110	15:29	Ineffective	
111	15:30	Ineffective	
112	15:31	Ineffective	
113	15:32	Ineffective	
114	15:33	Ineffective	
115	15:34	Ineffective	
116	15:35	Effective	75
117	15:36	Effective	75
118	15:37	Effective	75
119	15:38	Effective	75
120	15:39	Effective	75
121	15:40	Effective	75
122			
123			
124			
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150			

<i>effective</i>	57
<i>ineffective</i>	76
<i>total</i>	133

102	15:21	Effective	75
103	15:22	Effective	75
104	15:23	Effective	75
105	15:24	Effective	75
106	15:25	Effective	75
107	15:26	Effective	75
108	15:27	Effective	75
109	15:28	Effective	75
110	15:29	Effective	75
111	15:30	Effective	75
112	15:31	Ineffective	
113	15:32	Ineffective	
114	15:33	Ineffective	
115	15:34	Ineffective	
116	15:35	Ineffective	
117	15:36	Ineffective	
118	15:37	Ineffective	
119	15:38	Effective	75
120	15:39	Effective	75
121	15:40	Effective	75
122			
123			
124			
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129			
130			
131			
132			
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147			
148			
149			
150			

<i>effective</i>	94
<i>ineffective</i>	39
<i>total</i>	133



<b>RELAXATION ALLOWANCE</b>			
No : 7b	Waktu Mulai : 13.40	Bambang = 2.12 m2	
Tgg! : 30 Oktober 2011	Waktu Selesai : 15.40	Ukri = 3.90 m2	
<b>PEKERJA</b>			
Bambang		Ukri	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	2	Konsentrasi	1
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	0
Kebisingan	1	Kebisingan	1
Suhu	5	Suhu	5
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
<b>TOTAL</b>	<b>25</b>	<b>TOTAL</b>	<b>24</b>



<b>SUMMARY SHEET</b>							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 OKTOBER 2011							
Waktu Mulai : 13.40				Waktu Selesai : 15.40			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek
Bambang	<i>effective</i>	57	75	42,75	25	53,4375	2,12
	<i>ineffective</i>	76					
	<i>total</i>	133	75	42,75			
Ukri	<i>effective</i>	94	75	70,5	24	87,42	3,9
	<i>ineffective</i>	39					
	<i>total</i>	133	75	70,5			
Rata-rata						70,42875	

<b>PRODUCTIVITY SHEET</b>					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 OKTOBER 2011					
Waktu Mulai : 13.40			Waktu Selesai : 15.40		
Nama Pekerja	Vol. Pekerja (m <sup>2</sup> )	Manminute (manminute/m <sup>2</sup> )	Manhour (manhour/m <sup>2</sup> )	Produktivitas (m <sup>2</sup> /org/hari)	Koef (OH)
Bambang	2,12	25,2064	0,4201	16,6625	0,0600
Ukri	3,9	22,4154	0,3736	18,7371	0,0534
Rata-rata				17,6998	0,0567



## HOTEL EDELWEISS

Hari / Tanggal / sesi	Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Vol. Pek	
Senin, 24 Oktober 2011 Pagi	(1) Uyik	effective	38	75	28,5	20	34,2	1,336	38,42625
		ineffective	110						
		total	148	75	28,5				
	(2) Slamet	effective	47	75	35,25	21	42,6525	1,46	
		ineffective	101						
		total	148	75	35,25				
Senin, 24 Oktober 2011 Sore	1. Ujik	effective	120	75	90	19	107,1	5,8041	107,1
		ineffective	15						
		total	135	75	90				
	-	-	-	-	-	-	-	-	
		-	-	-	-				
		-	-	-	-				
Selasa 25 Oktober 2011 Pagi	(4) Bambang	effective	77	75	57,75	21	69,8775	2,8456	55,46625
		ineffective	46						
		total	123	75	57,75				
	(5) Mukroji	effective	69	50	34,5	19	41,055	3,168	
		ineffective	54						
		total	123	50	34,5				
Selasa 25 Oktober 2011 Sore	(1) Uyik	effective	81	75	60,75	29	78,3675	4,54	68,85375
		ineffective	39						
		total	120	75	60,75				
	(5) Mukroji	effective	92	50	46	29	59,34	4,3154	
		ineffective	28						
		total	120	50	46				
Rabu 26 Oktober 2011 Pagi	Uyik	effective	76	75	57	21	68,97	4,828	41,625
		ineffective	47						
		total	123	75	57				
	Slamet	effective	16	75	12	19	14,28	0,675	
		ineffective	107						
		total	123	75	12				
Rabu 26 Oktober 2011 Sore	Marno	effective	79	100	79	28	101,12	5,544	73,24
		ineffective	42						
		total	121	100	79				
	Slamet	effective	48	75	36	26	45,36	3,704	
		ineffective	73						
		total	121	75	36				
Kamis 27 Oktober 2011 Pagi	Bambang	effective	84	75	63	19	74,97	2,355	96,985
		ineffective	58						
		total	142	75	63				
	Marno	effective	100	100	100	19	119	6,4	
		ineffective	42						
		total	142	100	100				
Kamis 27 Oktober 2011 Sore	Marno	effective	104	100	104	24	128,96	7,78	99,355
		ineffective	44						
		total	148	100	104				
	Yono	effective	75	75	56,25	24	69,75	3,84	
		ineffective	73						
		total	148	75	56,25				
Jumat 28 Oktober 2011 Pagi	Bambang	effective	76	75	57	20	68,4	4,3216	71,23875
		ineffective	72						
		total	148	75	57				
	Yono	effective	83	75	62,25	19	74,0775	4,307	
		ineffective	65						
		total	148	75	62,25				
Jumat 28 Oktober 2011 Sore	Marno	effective	92	100	92	22	112,24	5,856	112,24
		ineffective	48						
		total	140	100	92				
	-	-	-	-	-	-	-	-	
		-	-	-	-				
		-	-	-	-				
Sabtu 29 Oktober 2011 Pagi	Yono	effective	105	75	78,75	20	94,5	5,45	79,995
		ineffective	40						
		total	145	75	78,75				
	Slamet	effective	74	75	55,5	18	65,49	4,26	
		ineffective	71						
		total	145	75	55,5				

Sabtu 29 Oktober 2011 Sore	Marno	<i>effective</i>	84	100	84	24	104,16	5,93	97,08
		<i>ineffective</i>	58						
		<i>total</i>	142	100	84				
	Yono	<i>effective</i>	96	75	72	25	90	4,98	
		<i>ineffective</i>	46						
		<i>total</i>	142	75	72				
Minggu 30 Oktober 2011 Pagi	Ukri	<i>effective</i>	95	75	71,25	18	84,075	5,1	77,1375
		<i>ineffective</i>	38						
		<i>total</i>	133	75	71,25				
	Yono	<i>effective</i>	78	75	58,5	20	70,2	3,79	
		<i>ineffective</i>	55						
		<i>total</i>	133	75	58,5				
Minggu 30 Oktober 2011 Siang	Bambang	<i>effective</i>	57	75	42,75	25	53,4375	2,12	70,42875
		<i>ineffective</i>	76						
		<i>total</i>	133	75	42,75				
	Ukri	<i>effective</i>	94	75	70,5	24	87,42	3,9	
		<i>ineffective</i>	39						
		<i>total</i>	133	75	70,5				
							75,34625		77,79795



## HOTEL EDELWEISS

No	Hari / Tanggal / sesi	Nama Pekerja	Standard Time (menit)	Vol. Pek (m <sup>2</sup> )	Vol. Pek Per 2 Jam (m <sup>2</sup> /Jam)	Manminute	Manhour	Manday	
1	Senin, 24 Okt 2011 Pagi	Uyik	34,2	1,336	4,68772	25,59880	0,42665	0,06095	0,065253
		Slamet	42,6525	1,46	4,10761	29,21404	0,48690	0,06956	
2	Senin, 24 Okt 2011 Sore	Ujik	107,1	5,8041	6,50319	18,45247	0,30754	0,04393	0,043934
		-	-	-	-	-	-	-	
3	Selasa 25 Okt 2011 Pagi	Bambang	69,8775	2,8456	4,88672	24,55633	0,40927	0,05847	0,044661
		Mukroji	41,055	3,168	9,25977	12,95928	0,21599	0,03086	
4	Selasa 25 Okt 2011 Sore	Uyik	78,3675	4,54	6,95186	17,26156	0,28769	0,04110	0,036919
		Mukroji	59,34	4,3154	8,72679	13,75075	0,22918	0,03274	
5	Rabu 26 Okt 2011 Pagi	Uyik	68,97	4,828	8,40017	14,28542	0,23809	0,03401	0,042192
		Slamet	14,28	0,675	5,67227	21,15556	0,35259	0,05037	
6	Rabu 26 Okt 2011 Sore	Marno	101,12	5,544	6,57911	18,23954	0,30399	0,04343	0,036293
		Slamet	45,36	3,704	9,79894	12,24622	0,20410	0,02916	
7	Kamis 27 Okt 2011 Pagi	Bambang	74,97	2,355	3,76951	31,83439	0,53057	0,07580	0,060034
		Marno	119	6,4	6,45378	18,59375	0,30990	0,04427	
8	Kamis 27 Okt 2011 Sore	Marno	128,96	7,78	7,23945	16,57584	0,27626	0,03947	0,041357
		Yono	69,75	3,84	6,60645	18,16406	0,30273	0,04325	
9	Jumat 28 Okt 2011 Pagi	Bambang	68,4	4,3216	7,58175	15,82747	0,26379	0,03768	0,039318
		Yono	74,0775	4,307	6,97702	17,19933	0,28666	0,04095	
10	Jumat 28 Okt 2011 Sore	Marno	112,24	5,856	6,26087	19,16667	0,31944	0,04563	0,045635
		-	-	-	-	-	-	-	
11	Sabtu 29 Okt 2011 Pagi	Yono	94,5	5,45	6,92063	17,33945	0,28899	0,04128	0,038944
		Slamet	65,49	4,26	7,80577	15,37324	0,25622	0,03660	

12	Sabtu 29 Okt 2011 Sore	Marno	104,16	5,93	6,83180	17,56492	0,29275	0,04182	0,042425
		Yono	90	4,98	6,64000	18,07229	0,30120	0,04303	
13	Minggu 30 Okt 2011 Pagi	Ukri	84,075	5,1	7,27921	16,48529	0,27475	0,03925	0,041676
		Yono	70,2	3,79	6,47863	18,52243	0,30871	0,04410	
14	Minggu 30 Okt 2011 Siang	Bambang	53,4375	2,12	4,76070	25,20637	0,42011	0,06002	0,056693
		Ukri	87,42	3,9	5,35347	22,41538	0,37359	0,05337	
									0,04538



### LAMPIRAN 3

#### FOTO PEKERJAAN PASANGAN BATA RINGAN



Foto 1 : Bata Ringan



Foto 2 : Prime Mortar PM-110 Sebagai Perekat Bata Ringan





Foto 3 : *Ineffective Work* (berbicara dengan rekan kerja)



Foto 4 : *Effective Work* (Memasang bata ringan)



Foto 5 : Memasang Bata Ringan Posisi Biasa



Foto 6 : Memasang Bata Ringan Posisi Cukup Sulit



Foto 7 : Memasang Bata Ringan Posisi Sangat Sulit

## LAMPIRAN 4

### SPESIFIKASI BATA RINGAN



Beton ringan dan kuat pengganti batu bata. Memberikan keakuratan, kekuatan, ekonomis, kemudahan dan kecepatan pemasangan, serta kerapian dalam membangun rumah tinggal, gedung komersial, dan bangunan industri.

Panjang (l) (mm)	600
Tinggi (h) (mm)	200
Tebal (t) (mm)	75; 100; 125; 150; 175; 200
Berat jenis kering P (kg/m <sup>3</sup> )	500
Berat jenis kering P (kg/m <sup>3</sup> )	575
Kuat tekan $\hat{f}_c$ (N/mm <sup>2</sup> )	≥ 4,0
Konduktivitas Termis $\hat{\lambda}$ (W/mK)	0,16
Dimensi per palet (m)	1,00 x 1,20x 1,93

Tebal	mm	75	100	125	150	175	200
Volume / palet	m <sup>3</sup>	1,80	1,80	1,80	1,80	1,68	1,68
Jumlah Blok / palet	blok	200	150	120	100	80	70
Luas dinding /m <sup>3</sup>	m <sup>2</sup>	13,33	10,00	8,00	6,67	5,71	5,00
Berat/ palet (termasuk palet)	kg	1.059	1.059	1.059	1,265	990	990
Jumlah blok / m <sup>3</sup>	blok	111,11	83,33	66,67	55,56	47,62	41,67