

BAB V

KESIMPULAN DAN SARAN

5.1. Kesimpulan

Kesimpulan yang didapat dari penelitian dan analisa data yang dilakukan di dua proyek Yogyakarta yakni Proyek Pembangunan Ruko Usaha Perdagangan dan Proyek Perumahan Kampung Ambarukmo 3 adalah sebagai berikut:

1. Produktivitas

- Proy. Pembangunan Ruko Usaha Perdagangan = 20,5729 m²/hari
- Proy. Perumahan Kampung Ambarukmo 3 = 8,2035 m²/hari

2. *Standard Time*

- Proy. Pembangunan Ruko Usaha Perdagangan = 107,5 menit
- Proy. Perumahan Kampung Ambarukmo 3 = 99,474 menit

3. Koefisien Produktivitas Tukang

- Proy. Pembangunan Ruko Usaha Perdagangan = 0,0568 OH
- Proy. Perumahan Kampung Ambarukmo 3 = 0,1476 OH

$$\begin{aligned}\text{Koefisien Produktivitas} &= \frac{0,0568 + 0,1476}{2} \\ &= \mathbf{0,1022 \text{ OH}}\end{aligned}$$

4. Biaya Pemasangan Dinding Bata per m²

- Proy. Pembangunan Ruko Usaha Perdagangan = Rp 135.170,00
- Proy. Perumahan Kampung Ambarukmo 3 = Rp 64.023,00

Dapat dibandingkan hasil dari kedua proyek, terlihat bahwa Proyek Pembangunan Ruko Usaha Perdagangan memiliki produktivitas yang lebih tinggi daripada Proyek Perumahan Kampung Ambarukmo 3. Hal ini disebabkan karena perbedaan material yang digunakan pada kedua proyek tersebut.

Pada Proyek Pembangunan Ruko Usaha Perdagangan, pekerjaan pasangan dinding menggunakan material bata ringan. Sedangkan Proyek Perumahan Kampung Ambarukmo 3 menggunakan material bata merah. Pada tabel Analisis Harga Satuan, terdapat perbedaan yang cukup mencolok pada jumlah koefisien material yang digunakan. Pada proyek Ruko hanya dibutuhkan 8,5 buah bata ringan untuk pemasangan tiap 1 m². Sedangkan pada proyek Perumahan membutuhkan 75,5 buah bata merah untuk pemasangan tiap 1 m². Perbedaan koefisien kedua material tersebut diakibatkan oleh perbedaan ukuran atau dimensi dari kedua jenis bata tersebut. Bata ringan berdimensi 60 x 20 x 10 cm, sedangkan bata merah berdimensi 20 x 11 x 5 cm. Keunggulan bata ringan yang memiliki ukuran yang jauh lebih besar dibandingkan bata merah tersebut, membuat proyek Ruko dapat menyelesaikan pekerjaan yang luasnya lebih besar dibandingkan bata merah. Oleh karena kuantitas dari hasil kerja material bata ringan lebih tinggi dari bata merah tersebut, maka dengan demikian nilai produktivitas pekerja bata ringan juga lebih baik dibandingkan dengan produktivitas pekerja bata merah. Bata ringan mampu menghasilkan produktivitas sebesar 20,5729 m²/hari sementara bata merah menghasilkan produktivitas yang lebih kecil, yaitu sebesar 8,2035 m²/hari.

Dari segi biaya produksi, bata ringan per 1m^2 dua kali lipat lebih mahal dibandingkan dengan bata merah. Bata ringan menghabiskan biaya sebesar Rp 135.170,00 per m^2 , sedangkan bata merah hanya memerlukan biaya sebesar Rp 64.023,00 per m^2 . Perbedaan harga yang besar ini disebabkan oleh perbedaan kebutuhan material dan harga material yang terjadi pada kedua proyek tersebut. Untuk pekerjaan dinding seluas 1 m^2 , bata ringan membutuhkan Semen PC sebanyak 37 kg. Sedangkan bata merah membutuhkan 12 kg Semen PC untuk pasangan dinding seluas 1 m^2 . Kebutuhan Semen PC untuk bata ringan jauh lebih banyak dibandingkan bata ringan karena ukuran dan luas permukaan bata yang diberi semen juga berbeda, dimana ukuran bata ringan jauh lebih besar dibandingkan bata merah. Kebutuhan pasir pasang untuk kedua jenis bata ini juga berbeda. Karena luas permukaan bata ringan yang jauh lebih besar dibandingkan dengan bata merah maka dengan demikian kebutuhan pasir pasang juga harus lebih besar supaya dapat mengimbangi kebutuhan Semen PC agar menjadi komposisi perekat dinding yang baik.

5.2. 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; ketelitian pada saat mengumpulkan data di proyek sangat dibutuhkan. Misalnya, jika peneliti ingin meneliti lebih dari 1 (satu) proyek hendaknya peneliti mencari proyek yang memiliki data proyek yang sama. Seperti harga material, kebutuhan material, dan perbandingan Semen PC dan pasir pasang. Dengan obyek-obyek pembanding yang sama tersebut, maka studi komparasi dapat lebih mudah dilakukan dan hasil perbandingannya akan lebih valid dan akurat. Lakukan wawancara dengan lengkap agar data-data yang dibutuhkan tidak ada yang terlewatkan. Selain itu perbanyaklah referensi agar kesalahan-kesalahan dalam perhitungan bisa diminimalisir.
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 pembantu tukang yang jumlahnya sama dengan pekerja yang sedang memasang bata. Selain itu, usahakan agar pembantu tukang tidak kesulitan mengambil adonan perekat hanya dikarenakan karena tempat pengambilannya yang jauh. Hal-hal semacam ini bisa menyebabkan penundaan waktu kerja yang cukup lama.

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LAMPIRAN

CONTOH KASUS ANALISIS HARGA SATUAN

Penerapan di Lapangan

Pada Bab Pembahasan dan Analisis Data, telah didapatkan data berupa produktivitas tukang dan harga satuan pemasangan bata ringan dan bata merah per m² nya. Pada bab ini penulis akan menerapkan hasil harga satuan dan durasi pekerjaan yang terjadi pada pasangan dinding dengan bata ringan dan bata merah dengan data-data yang tersaji di bawah ini:

Volume pekerjaan bata ringan dan bata merah = 1000 m²

Perbandingan PC : PS untuk bata ringan dan bata merah = 1 PC : 8 PS

Bata ringan (dalam buah) = Rp 6.720,00

Bata merah (dalam buah) = Rp 500,00

Semen PC untuk bata ringan dan bata merah = Rp 54.000 : 40 kg = Rp 1.350,00

Pasir Pasang (per m³) = Rp 145.000,00

Upah pekerja = Rp 40.000,00

Koefisien pekerja bata ringan = 0,0568 orang

Koefisien pekerja bata merah = 0,1480 orang

Produktivitas pekerja bata ringan = 20,5729 m²/hari

Produktivitas pekerja bata merah = 8,2035 m²/hari

Contoh Hitungan

Pekerjaan Pasangan Dinding Bata Ringan

Koefisien Semen PC:

Perbandingan PC : Pasir Pasang = 1: 8

$$\begin{aligned} \text{Volume 1 dinding bata} &= 10 \text{ m} \times 10 \text{ m} \times (\text{tebal bata ringan} \times 2) \\ &= 10 \text{ m} \times 10 \text{ m} \times (0,10 \text{ m} \times 2) \\ &= 20 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} PC &= \frac{\text{perbandingan PC}}{\text{perbandingan PC} + \text{perbandingan pasir}} \times \text{vol. dinding 1 bata} \\ &= \frac{1}{9} \times 20 \\ &= 2,222 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} 1000 \text{ m}^3 \text{ semen} &= \frac{\text{PC yang digunakan}}{\text{volume 1 zak semen}} \text{ m}^3 \\ &= \frac{2,222}{0,1 \times 0,4 \times 0,6} \\ &= \frac{2,222}{0,024} \\ &= 92,59 \text{ zak} \rightarrow 92,59 \times 40 \text{ kg} = 3703,7 \text{ kg} \rightarrow \text{dibulatkan } \mathbf{3.700 \text{ kg}} \end{aligned}$$

Koefisien Pasir Pasang:

$$\begin{aligned} \text{Pasir Pasang} &= \text{Volume dinding} \times \text{Perbandingan Pasir Pasang} \\ &= 20 \times \frac{8}{9} \\ &= \mathbf{17,78 \text{ m}^3} \end{aligned}$$

Koef. Pekerja pada Pek. Pasangan Dinding Bata Ringan:

$$\begin{aligned}
 \text{Koef. Pekerja} &= \text{Koef. Pekerja Bata Ringan} \times \text{Volume Dinding} \\
 &= 0,0568 \times 1000 \\
 &= \mathbf{56,8 \text{ orang}}
 \end{aligned}$$

Koef. Bata Ringan yang dipakai pada luas 1000 m²:

$$\begin{aligned}
 \text{Koef. Bata Ringan} &= \text{Koef. Bata Ringan per m}^2 \times \text{Volume Dinding} \\
 &= 8,5 \times 1000 \\
 &= \mathbf{8500 \text{ buah}}
 \end{aligned}$$

Pekerjaan Pasangan Dinding Bata MerahKoefisien Semen PC:

Perbandingan PC : Pasir Pasang = 1 : 8

$$\begin{aligned}
 \text{Volume } \frac{1}{2} \text{ dinding bata} &= 10 \text{ m} \times 10 \text{ m} \times \text{tebal bata merah} \\
 &= 10 \text{ m} \times 10 \text{ m} \times 0,05 \text{ m} \\
 &= 5 \text{ m}^3
 \end{aligned}$$

$$\begin{aligned}
 PC &= \frac{\text{perbandingan PC}}{\text{perbandingan PC} + \text{perbandingan pasir}} \times \text{vol. dinding } 1/2 \text{ bata} \\
 &= \frac{1}{9} \times 5 \\
 &= 0,5556 \text{ m}^3
 \end{aligned}$$

$$\begin{aligned}
 1000 \text{ m}^3 \text{ semen} &= \frac{\text{PC yang digunakan}}{\text{volume 1 zak semen}} \text{ m}^3 \\
 &= \frac{0,5556}{0,1 \times 0,4 \times 0,6} \\
 &= \frac{0,5556}{0,024} \\
 &= 23,14 \text{ zak} \rightarrow 23,14 \times 40 \text{ kg} = 925,9 \text{ kg} \rightarrow \text{dibulatkan } \mathbf{926 \text{ kg}}
 \end{aligned}$$

Koefisien Pasir Pasang:

$$\begin{aligned}
 \text{Pasir Pasang} &= \text{Volume dinding} \times \text{Perbandingan Pasir Pasang} \\
 &= 5 \times \frac{8}{9} \\
 &= \mathbf{4,444 \text{ m}^3}
 \end{aligned}$$

Koef. Pekerja pada Pek. Pasangan Dinding Bata Ringan:

$$\begin{aligned}
 \text{Koef. Pekerja} &= \text{Koef. Pekerja Bata Ringan} \times \text{Volume Dinding} \\
 &= 0,1480 \times 1000 \\
 &= \mathbf{148 \text{ orang}}
 \end{aligned}$$

Koef. Bata Merah yang dipakai pada luas 1000 m²:

$$\begin{aligned}
 \text{Koef. Bata Merah} &= \text{Koef. Bata Merah per m}^2 \times \text{Volume Dinding} \\
 &= 75,5 \times 1000 \\
 &= \mathbf{75.500 \text{ buah}}
 \end{aligned}$$

Komparasi Analisis Harga Satuan dan Durasi Pekerjaan

Tabel Lampiran 1 Analisis Harga Satuan Pekerjaan Pasangan Bata Ringan dengan luas proyek = 1000 m²

NO	Pekerjaan	Koefisien	Satuan	Harga Satuan (Rp)	Jumlah Harga (Rp)
1	1000 m² Pasangan Dinding 1 Bata, 1 PC : 8 Ps				
	Bata Ringan (dlm buah)	8500	buah	6720	57120000
	Semen PC (dlm kg)	3700	kg	1350	4995000
	Pasir Pasang (dlm m3)	17,78	m3	145000	2578100
	Pekerja (dlm orang)	56,8	orang	40000	2272000
	Jumlah				66.965.100

Tabel Lampiran 2 Analisis Harga Satuan Pekerjaan Pasangan Bata Merah dengan luas proyek = 1000 m²

NO	Pekerjaan	Koefisien	Satuan	Harga Satuan (Rp)	Jumlah Harga (Rp)
1	1000 m² Pasangan Dinding 1/2 Bata, 1 PC : 8 Ps				
	Bata Merah (dlm buah)	75500	buah	500	37750000
	Semen PC (dlm kg)	926	kg	1350	1250100
	Pasir Pasang (dlm m3)	4,444	m3	145000	644380
	Pekerja (dlm orang)	148	orang	40000	5920000
	Jumlah				45.564.480

Durasi Proyek Pek. Pasangan Dinding Bata Ringan:

$$\text{Durasi} = \text{Volume Dinding} \div \text{Produktivitas Pekerja Bata Ringan}$$

$$= 1000 \text{ m}^2 \div 20,5729 \text{ m}^2/\text{hari}$$

$$= 48,6 \text{ hari} \rightarrow \text{dibulatkan } \mathbf{49 \text{ hari}}$$

Durasi Proyek Pek. Pasangan Dinding Bata Merah:

$$\text{Durasi} = \text{Volume Dinding} \div \text{Produktivitas Pekerja Bata Merah}$$

$$= 1000 \text{ m}^2 \div 8,2035 \text{ m}^2/\text{hari}$$

$$= 121,8 \text{ hari} \rightarrow \text{dibulatkan } \mathbf{122 \text{ hari}}$$

LAMPIRAN
DATA PROYEK PEMBANGUNAN RUKO USAHA PERDAGANGAN

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 1a	Waktu Mulai	: 09.26	Mariyo =	8.3938 m2				
TggL	: 24 Mei 2012	Waktu Selesai	: 11.28	Suroyo =	7.2496 m2				
PEKERJA									
Mariyo					Suroyo				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	9:26	Effective	75	60	1	9:26	Effective	75	55,5
2	9:27	Effective	75		2	9:27	Effective	75	
3	9:28	Effective	75		3	9:28	Effective	75	
4	9:29	Effective	75		4	9:29	Effective	75	
5	9:30	Effective	75		5	9:30	Effective	75	
6	9:31	Effective	75		6	9:31	Effective	75	
7	9:32	Effective	75		7	9:32	Effective	75	
8	9:33	Effective	75		8	9:33	Effective	75	
9	9:34	Effective	75		9	9:34	Effective	75	
10	9:35	Effective	75		10	9:35	Effective	75	
11	9:36	Effective	75		11	9:36	Effective	75	
12	9:37	Effective	75		12	9:37	Effective	75	
13	9:38	Ineffective			13	9:38	Effective	75	
14	9:39	Ineffective			14	9:39	Ineffective		
15	9:40	Ineffective			15	9:40	Ineffective		
16	9:41	Effective	75		16	9:41	Effective	75	
17	9:42	Effective	75		17	9:42	Effective	75	
18	9:43	Ineffective			18	9:43	Effective	75	
19	9:44	Ineffective			19	9:44	Effective	75	
20	9:45	Ineffective			20	9:45	Effective	75	
21	9:46	Ineffective			21	9:46	Effective	75	
22	9:47	Ineffective			22	9:47	Effective	75	
23	9:48	Ineffective			23	9:48	Effective	75	
24	9:49	Ineffective			24	9:49	Ineffective		
25	9:50	Ineffective			25	9:50	Effective	75	
26	9:51	Effective	75		26	9:51	Effective	75	
27	9:52	Effective	75		27	9:52	Effective	75	
28	9:53	Effective	75		28	9:53	Effective	75	
29	9:54	Effective	75		29	9:54	Effective	75	
30	9:55	Effective	75		30	9:55	Effective	75	
31	9:56	Ineffective			31	9:56	Effective	75	
32	9:57	Effective	75		32	9:57	Ineffective		
33	9:58	Effective	75		33	9:58	Ineffective		
34	9:59	Effective	75		34	9:59	Ineffective		
35	10:00	Effective	75		35	10:00	Effective	75	
36	10:01	Effective	75		36	10:01	Effective	75	
37	10:02	Effective	75		37	10:02	Effective	75	
38	10:03	Effective	75		38	10:03	Effective	75	

39	10:04	Effective	75	39	10:04	Effective	75
40	10:05	Effective	75	40	10:05	Effective	75
41	10:06	Effective	75	41	10:06	Ineffective	
42	10:07	Effective	75	42	10:07	Ineffective	
43	10:08	Effective	75	43	10:08	Ineffective	
44	10:09	Effective	75	44	10:09	Ineffective	
45	10:10	Effective	75	45	10:10	Ineffective	
46	10:11	Ineffective		46	10:11	Ineffective	
47	10:12	Ineffective		47	10:12	Ineffective	
48	10:13	Ineffective		48	10:13	Ineffective	
49	10:14	Effective	75	49	10:14	Effective	75
50	10:15	Effective	75	50	10:15	Effective	75
51	10:16	Effective	75	51	10:16	Effective	75
52	10:17	Effective	75	52	10:17	Effective	75
53	10:18	Effective	75	53	10:18	Effective	75
54	10:19	Effective	75	54	10:19	Effective	75
55	10:20	Effective	75	55	10:20	Effective	75
56	10:21	Ineffective		56	10:21	Effective	75
57	10:22	Ineffective		57	10:22	Effective	75
58	10:23	Ineffective		58	10:23	Ineffective	
59	10:24	Ineffective		59	10:24	Ineffective	
60	10:25	Ineffective		60	10:25	Effective	75
61	10:26	Ineffective		61	10:26	Effective	75
62	10:27	Ineffective		62	10:27	Ineffective	
63	10:28	Effective	75	63	10:28	Ineffective	
64	10:29	Ineffective		64	10:29	Effective	75
65	10:30	Ineffective		65	10:30	Ineffective	
66	10:31	Ineffective		66	10:31	Effective	75
67	10:32	Ineffective		67	10:32	Effective	75
68	10:33	Ineffective		68	10:33	Effective	75
69	10:34	Ineffective		69	10:34	Effective	75
70	10:35	Ineffective		70	10:35	Effective	75
71	10:36	Ineffective		71	10:36	Ineffective	
72	10:37	Ineffective		72	10:37	Ineffective	
73	10:38	Ineffective		73	10:38	Effective	75
74	10:39	Ineffective		74	10:39	Effective	75
75	10:40	Ineffective		75	10:40	Ineffective	
76	10:41	Effective	75	76	10:41	Ineffective	
77	10:42	Ineffective		77	10:42	Effective	75
78	10:43	Ineffective		78	10:43	Effective	75
79	10:44	Effective	75	79	10:44	Effective	75
80	10:45	Effective	75	80	10:45	Effective	75
81	10:46	Effective	75	81	10:46	Effective	75
82	10:47	Effective	75	82	10:47	Effective	75
83	10:48	Effective	75	83	10:48	Effective	75
84	10:49	Effective	75	84	10:49	Effective	75

85	10:50	Effective	75	85	10:50	Effective	75
86	10:51	Effective	75	86	10:51	Effective	75
87	10:52	Ineffective		87	10:52	Effective	75
88	10:53	Effective	75	88	10:53	Effective	75
89	10:54	Effective	75	89	10:54	Effective	75
90	10:55	Effective	75	90	10:55	Effective	75
91	10:56	Effective	75	91	10:56	Ineffective	
92	10:57	Effective	75	92	10:57	Ineffective	
93	10:58	Effective	75	93	10:58	Ineffective	
94	10:59	Effective	75	94	10:59	Ineffective	
95	11:00	Effective	75	95	11:00	Ineffective	
96	11:01	Effective	75	96	11:01	Ineffective	
97	11:02	Effective	75	97	11:02	Ineffective	
98	11:03	Effective	75	98	11:03	Ineffective	
99	11:04	Effective	75	99	11:04	Ineffective	
100	11:05	Ineffective		100	11:05	Ineffective	
101	11:06	Ineffective		101	11:06	Ineffective	
102	11:07	Ineffective		102	11:07	Ineffective	
103	11:08	Ineffective		103	11:08	Ineffective	
104	11:09	Effective	75	104	11:09	Ineffective	
105	11:10	Effective	75	105	11:10	Ineffective	
106	11:11	Effective	75	106	11:11	Ineffective	
107	11:12	Effective	75	107	11:12	Ineffective	
108	11:13	Ineffective		108	11:13	Ineffective	
109	11:14	Effective	75	109	11:14	Ineffective	
110	11:15	Effective	75	110	11:15	Ineffective	
111	11:16	Effective	75	111	11:16	Ineffective	
112	11:17	Effective	75	112	11:17	Ineffective	
113	11:18	Effective	75	113	11:18	Ineffective	
114	11:19	Effective	75	114	11:19	Ineffective	
115	11:20	Effective	75	115	11:20	Effective	75
116	11:21	Effective	75	116	11:21	Effective	75
117	11:22	Effective	75	117	11:22	Effective	75
118	11:23	Effective	75	118	11:23	Effective	75
119	11:24	Ineffective		119	11:24	Effective	75
120	11:25	Effective	75	120	11:25	Ineffective	
121	11:26	Effective	75	121	11:26	Effective	75
122	11:27	Effective	75	122	11:27	Effective	75
123	11:28	Effective	75	123	11:28	Effective	75
124				124			
125				125			
126				126			
127				127			
128				128			
129				129			
130				130			

131				131			
132				132			
133				133			
134				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 work</i>		80		<i>effective work</i>		74
	<i>ineffective work</i>		43		<i>ineffective work</i>		49
	<i>total</i>				<i>total</i>		
	<i>time</i>		123		<i>time</i>		123

RELAXATION ALLOWANCE			
No : 1a	Waktu Mulai : 09.26	Mariyo = 8.3936 m2	
TggI : 24 Mei 2012	Waktu Selesai : 11.28	Suroyo = 7.2496 m2	
PEKERJA			
Mariyo		Suroyo	
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	2	Kebisingan	2
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	21	TOTAL	21

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 24 MEI 2012							
Waktu Mulai : 09.26				Waktu Selesai : 11.28			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Mariyo	<i>effective</i>	80	75	60	21	72,6	8,3936
	<i>ineffective</i>	43					
	<i>total</i>	123	75	60			
Suroyo	<i>effective</i>	74	75	55,5	21	67,155	7,2496
	<i>ineffective</i>	49					
	<i>total</i>	123	75	55,5			
Rata-rata						69,8775	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 24 MEI 2012					
Waktu Mulai : 09.26			Waktu Selesai : 11.28		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Mariyo	8,3936	8,6494	0,1442	48,5580	0,0206
Suroyo	7,2496	9,2633	0,1544	45,3404	0,0221
Rata-rata				46,9492	0,0213

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 2a			Waktu Mulai	: 09.13		Giono = 4.968 m2		
TggL	: 25 Mei 2012			Waktu Selesai	: 11.23		Suroyo = 5.5827 m2		
PEKERJA									
Giono					Suroyo				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	9:13	Effective	75	72	1	9:13	Effective	75	81,75
2	9:14	Effective	75		2	9:14	Effective	75	
3	9:15	Effective	75		3	9:15	Effective	75	
4	9:16	Effective	75		4	9:16	Effective	75	
5	9:17	Effective	75		5	9:17	Effective	75	
6	9:18	Effective	75		6	9:18	Effective	75	
7	9:19	Effective	75		7	9:19	Effective	75	
8	9:20	Effective	75		8	9:20	Effective	75	
9	9:21	Effective	75		9	9:21	Effective	75	
10	9:22	Effective	75		10	9:22	Effective	75	
11	9:23	Effective	75		11	9:23	Effective	75	
12	9:24	Effective	75		12	9:24	Effective	75	
13	9:25	Effective	75		13	9:25	Effective	75	
14	9:26	Effective	75		14	9:26	Effective	75	
15	9:27	Effective	75		15	9:27	Effective	75	
16	9:28	Effective	75		16	9:28	Effective	75	
17	9:29	Effective	75		17	9:29	Effective	75	
18	9:30	Effective	75		18	9:30	Effective	75	
19	9:31	Effective	75		19	9:31	Effective	75	
20	9:32	Effective	75		20	9:32	Effective	75	
21	9:33	Effective	75		21	9:33	Effective	75	
22	9:34	Effective	75		22	9:34	Effective	75	
23	9:35	Effective	75		23	9:35	Effective	75	
24	9:36	Effective	75		24	9:36	Effective	75	
25	9:37	Effective	75		25	9:37	Effective	75	
26	9:38	Effective	75		26	9:38	Effective	75	
27	9:39	Ineffective			27	9:39	Effective	75	
28	9:40	Ineffective			28	9:40	Effective	75	
29	9:41	Effective	75		29	9:41	Effective	75	
30	9:42	Effective	75		30	9:42	Effective	75	
31	9:43	Effective	75		31	9:43	Effective	75	
32	9:44	Effective	75		32	9:44	Effective	75	
33	9:45	Ineffective			33	9:45	Effective	75	
34	9:46	Ineffective			34	9:46	Effective	75	
35	9:47	Effective	75		35	9:47	Effective	75	
36	9:48	Effective	75		36	9:48	Effective	75	
37	9:49	Effective	75		37	9:49	Effective	75	
38	9:50	Effective	75		38	9:50	Effective	75	
39	9:51	Effective	75		39	9:51	Effective	75	

40	9:52	Effective	75	40	9:52	Ineffective	
41	9:53	Effective	75	41	9:53	Effective	75
42	9:54	Effective	75	42	9:54	Effective	75
43	9:55	Effective	75	43	9:55	Ineffective	
44	9:56	Ineffective		44	9:56	Ineffective	
45	9:57	Ineffective		45	9:57	Effective	75
46	9:58	Effective	75	46	9:58	Effective	75
47	9:59	Effective	75	47	9:59	Effective	75
48	10:00	Effective	75	48	10:00	Effective	75
49	10:01	Effective	75	49	10:01	Effective	75
50	10:02	Effective	75	50	10:02	Effective	75
51	10:03	Effective	75	51	10:03	Effective	75
52	10:04	Effective	75	52	10:04	Effective	75
53	10:05	Effective	75	53	10:05	Effective	75
54	10:06	Effective	75	54	10:06	Effective	75
55	10:07	Effective	75	55	10:07	Effective	75
56	10:08	Effective	75	56	10:08	Effective	75
57	10:09	Effective	75	57	10:09	Effective	75
58	10:10	Effective	75	58	10:10	Effective	75
59	10:11	Effective	75	59	10:11	Effective	75
60	10:12	Effective	75	60	10:12	Effective	75
61	10:13	Effective	75	61	10:13	Effective	75
62	10:14	Ineffective		62	10:14	Effective	75
63	10:15	Ineffective		63	10:15	Effective	75
64	10:16	Ineffective		64	10:16	Effective	75
65	10:17	Ineffective		65	10:17	Effective	75
66	10:18	Effective	75	66	10:18	Effective	75
67	10:19	Effective	75	67	10:19	Effective	75
68	10:20	Effective	75	68	10:20	Effective	75
69	10:21	Ineffective		69	10:21	Effective	75
70	10:22	Ineffective		70	10:22	Effective	75
71	10:23	Ineffective		71	10:23	Effective	75
72	10:24	Ineffective		72	10:24	Ineffective	
73	10:25	Ineffective		73	10:25	Ineffective	
74	10:26	Effective	75	74	10:26	Effective	75
75	10:27	Effective	75	75	10:27	Effective	75
76	10:28	Effective	75	76	10:28	Effective	75
77	10:29	Effective	75	77	10:29	Ineffective	
78	10:30	Ineffective		78	10:30	Effective	75
79	10:31	Ineffective		79	10:31	Effective	75
80	10:32	Ineffective		80	10:32	Effective	75
81	10:33	Ineffective		81	10:33	Effective	75
82	10:34	Ineffective		82	10:34	Effective	75
83	10:35	Ineffective		83	10:35	Effective	75
84	10:36	Ineffective		84	10:36	Effective	75
85	10:37	Ineffective		85	10:37	Effective	75

86	10:38	Ineffective		86	10:38	Effective	75
87	10:39	Ineffective		87	10:39	Effective	75
88	10:40	Ineffective		88	10:40	Effective	75
89	10:41	Ineffective		89	10:41	Effective	75
90	10:42	Ineffective		90	10:42	Effective	75
91	10:43	Effective	75	91	10:43	Effective	75
92	10:44	Effective	75	92	10:44	Effective	75
93	10:45	Effective	75	93	10:45	Effective	75
94	10:46	Effective	75	94	10:46	Effective	75
95	10:47	Effective	75	95	10:47	Effective	75
96	10:48	Effective	75	96	10:48	Effective	75
97	10:49	Effective	75	97	10:49	Effective	75
98	10:50	Effective	75	98	10:50	Effective	75
99	10:51	Effective	75	99	10:51	Effective	75
100	10:52	Effective	75	100	10:52	Effective	75
101	10:53	Effective	75	101	10:53	Effective	75
102	10:54	Ineffective		102	10:54	Effective	75
103	10:55	Effective	75	103	10:55	Effective	75
104	10:56	Effective	75	104	10:56	Effective	75
105	10:57	Effective	75	105	10:57	Effective	75
106	10:58	Effective	75	106	10:58	Effective	75
107	10:59	Effective	75	107	10:59	Effective	75
108	11:00	Effective	75	108	11:00	Effective	75
109	11:01	Ineffective		109	11:01	Effective	75
110	11:02	Effective	75	110	11:02	Effective	75
111	11:03	Effective	75	111	11:03	Effective	75
112	11:04	Effective	75	112	11:04	Effective	75
113	11:05	Effective	75	113	11:05	Effective	75
114	11:06	Ineffective		114	11:06	Effective	75
115	11:07	Effective	75	115	11:07	Effective	75
116	11:08	Effective	75	116	11:08	Effective	75
117	11:09	Ineffective		117	11:09	Ineffective	
118	11:10	Effective	75	118	11:10	Ineffective	
119	11:11	Effective	75	119	11:11	Ineffective	
120	11:12	Effective	75	120	11:12	Ineffective	
121	11:13	Effective	75	121	11:13	Ineffective	
122	11:14	Effective	75	122	11:14	Ineffective	
123	11:15	Effective	75	123	11:15	Ineffective	
124	11:16	Effective	75	124	11:16	Ineffective	
125	11:17	Effective	75	125	11:17	Ineffective	
126	11:18	Effective	75	126	11:18	Ineffective	
127	11:19	Effective	75	127	11:19	Ineffective	
128	11:20	Effective	75	128	11:20	Ineffective	
129	11:21	Ineffective		129	11:21	Ineffective	
130	11:22	Ineffective		130	11:22	Ineffective	
131	11:23	Ineffective		131	11:23	Ineffective	

132				132			
133				133			
134				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 work</i>		96		<i>effective work</i>		109	
<i>ineffective work</i>		35		<i>ineffective work</i>		22	
<i>total</i>				<i>total</i>			
<i>time</i>		131		<i>time</i>		131	

RELAXATION ALLOWANCE			
No : 2a	Waktu Mulai : 09.13	Giono = 4.968 m2	
TggI : 25 Mei 2012	Waktu Selesai : 11.23	Suroyo = 5.5827 m2	
PEKERJA			
Giono		Suroyo	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	2
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	3	Kebisingan	3
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	22	TOTAL	23

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 25 MEI 2012							
Waktu Mulai : 09.13				Waktu Selesai : 11.23			
Nama Pekerja	Kategori	No	Rated	<i>Basic Time</i>	<i>T. Allowance</i>	<i>Standard Time</i>	Volume
Giono	<i>effective</i>	96	75	72	22	87,84	4,968
	<i>ineffective</i>	35					
	<i>total</i>	131	75	72			
Suroyo	<i>effective</i>	109	75	81,75	23	100,55	5,5827
	<i>ineffective</i>	22					
	<i>total</i>	131	75	81,75			
Rata-rata						94,19625	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 25 MEI 2012					
Waktu Mulai : 09.13			Waktu Selesai : 11.23		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Giono	4,968	17,6812	0,2947	23,7541	0,0421
Suroyo	5,5827	18,0114	0,3002	23,3185	0,0429
Rata-rata				23,5363	0,0425

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 2b			Waktu Mulai	: 14.52		Gito = 4.065 m2		
TggL	: 25 Mei 2012			Waktu Selesai	: 16.51		Mariyo = 4.9342 m2		
PEKERJA									
Gito					Mariyo				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	14:52	Effective	75	85,5	1	14:52	Effective	75	63
2	14:53	Effective	75		2	14:53	Effective	75	
3	14:54	Effective	75		3	14:54	Effective	75	
4	14:55	Effective	75		4	14:55	Effective	75	
5	14:56	Effective	75		5	14:56	Effective	75	
6	14:57	Effective	75		6	14:57	Effective	75	
7	14:58	Effective	75		7	14:58	Effective	75	
8	14:59	Effective	75		8	14:59	Effective	75	
9	15:00	Effective	75		9	15:00	Effective	75	
10	15:01	Effective	75		10	15:01	Effective	75	
11	15:02	Effective	75		11	15:02	Effective	75	
12	15:03	Effective	75		12	15:03	Effective	75	
13	15:04	Effective	75		13	15:04	Effective	75	
14	15:05	Effective	75		14	15:05	Ineffective		
15	15:06	Effective	75		15	15:06	Effective	75	
16	15:07	Effective	75		16	15:07	Effective	75	
17	15:08	Effective	75		17	15:08	Effective	75	
18	15:09	Effective	75		18	15:09	Effective	75	
19	15:10	Effective	75		19	15:10	Effective	75	
20	15:11	Effective	75		20	15:11	Effective	75	
21	15:12	Effective	75		21	15:12	Ineffective		
22	15:13	Effective	75		22	15:13	Ineffective		
23	15:14	Effective	75		23	15:14	Ineffective		
24	15:15	Effective	75		24	15:15	Ineffective		
25	15:16	Effective	75		25	15:16	Effective	75	
26	15:17	Effective	75		26	15:17	Ineffective		
27	15:18	Effective	75		27	15:18	Ineffective		
28	15:19	Effective	75		28	15:19	Effective	75	
29	15:20	Effective	75		29	15:20	Effective	75	
30	15:21	Effective	75		30	15:21	Effective	75	
31	15:22	Effective	75		31	15:22	Effective	75	
32	15:23	Effective	75		32	15:23	Effective	75	
33	15:24	Effective	75		33	15:24	Effective	75	
34	15:25	Effective	75		34	15:25	Effective	75	
35	15:26	Effective	75		35	15:26	Effective	75	
36	15:27	Effective	75		36	15:27	Effective	75	
37	15:28	Effective	75		37	15:28	Effective	75	
38	15:29	Effective	75		38	15:29	Effective	75	
39	15:30	Effective	75		39	15:30	Ineffective		
40	15:31	Effective	75		40	15:31	Effective	75	

41	15:32	Effective	75		41	15:32	Effective	75
42	15:33	Effective	75		42	15:33	Effective	75
43	15:34	Effective	75		43	15:34	Effective	75
44	15:35	Effective	75		44	15:35	Effective	75
45	15:36	Effective	75		45	15:36	Effective	75
46	15:37	Effective	75		46	15:37	Effective	75
47	15:38	Effective	75		47	15:38	Effective	75
48	15:39	Effective	75		48	15:39	Effective	75
49	15:40	Effective	75		49	15:40	Effective	75
50	15:41	Effective	75		50	15:41	Effective	75
51	15:42	Effective	75		51	15:42	Effective	75
52	15:43	Effective	75		52	15:43	Effective	75
53	15:44	Effective	75		53	15:44	Effective	75
54	15:45	Effective	75		54	15:45	Ineffective	
55	15:46	Effective	75		55	15:46	Ineffective	
56	15:47	Effective	75		56	15:47	Effective	75
57	15:48	Effective	75		57	15:48	Effective	75
58	15:49	Effective	75		58	15:49	Effective	75
59	15:50	Effective	75		59	15:50	Effective	75
60	15:51	Effective	75		60	15:51	Effective	75
61	15:52	Effective	75		61	15:52	Effective	75
62	15:53	Effective	75		62	15:53	Effective	75
63	15:54	Effective	75		63	15:54	Ineffective	
64	15:55	Effective	75		64	15:55	Ineffective	
65	15:56	Effective	75		65	15:56	Ineffective	
66	15:57	Effective	75		66	15:57	Ineffective	
67	15:58	Effective	75		67	15:58	Ineffective	
68	15:59	Effective	75		68	15:59	Effective	75
69	16:00	Effective	75		69	16:00	Effective	75
70	16:01	Effective	75		70	16:01	Effective	75
71	16:02	Effective	75		71	16:02	Effective	75
72	16:03	Effective	75		72	16:03	Effective	75
73	16:04	Effective	75		73	16:04	Effective	75
74	16:05	Effective	75		74	16:05	Effective	75
75	16:06	Effective	75		75	16:06	Effective	75
76	16:07	Effective	75		76	16:07	Effective	75
77	16:08	Effective	75		77	16:08	Effective	75
78	16:09	Effective	75		78	16:09	Effective	75
79	16:10	Effective	75		79	16:10	Effective	75
80	16:11	Effective	75		80	16:11	Effective	75
81	16:12	Effective	75		81	16:12	Effective	75
82	16:13	Effective	75		82	16:13	Effective	75
83	16:14	Effective	75		83	16:14	Effective	75
84	16:15	Effective	75		84	16:15	Effective	75
85	16:16	Effective	75		85	16:16	Effective	75
86	16:17	Effective	75		86	16:17	Effective	75

87	16:18	Effective	75		87	16:18	Effective	75	
88	16:19	Effective	75		88	16:19	Effective	75	
89	16:20	Effective	75		89	16:20	Effective	75	
90	16:21	Effective	75		90	16:21	Effective	75	
91	16:22	Effective	75		91	16:22	Effective	75	
92	16:23	Effective	75		92	16:23	Effective	75	
93	16:24	Effective	75		93	16:24	Effective	75	
94	16:25	Effective	75		94	16:25	Effective	75	
95	16:26	Effective	75		95	16:26	Effective	75	
96	16:27	Effective	75		96	16:27	Effective	75	
97	16:28	Effective	75		97	16:28	Effective	75	
98	16:29	Effective	75		98	16:29	Effective	75	
99	16:30	Effective	75		99	16:30	Effective	75	
100	16:31	Effective	75		100	16:31	Ineffective		
101	16:32	Effective	75		101	16:32	Ineffective		
102	16:33	Effective	75		102	16:33	Ineffective		
103	16:34	Effective	75		103	16:34	Ineffective		
104	16:35	Effective	75		104	16:35	Ineffective		
105	16:36	Effective	75		105	16:36	Ineffective		
106	16:37	Effective	75		106	16:37	Ineffective		
107	16:38	Effective	75		107	16:38	Ineffective		
108	16:39	Effective	75		108	16:39	Ineffective		
109	16:40	Effective	75		109	16:40	Ineffective		
110	16:41	Effective	75		110	16:41	Ineffective		
111	16:42	Effective	75		111	16:42	Ineffective		
112	16:43	Effective	75		112	16:43	Ineffective		
113	16:44	Effective	75		113	16:44	Ineffective		
114	16:45	Effective	75		114	16:45	Ineffective		
115	16:46	Ineffective			115	16:46	Ineffective		
116	16:47	Ineffective			116	16:47	Ineffective		
117	16:48	Ineffective			117	16:48	Ineffective		
118	16:49	Ineffective			118	16:49	Ineffective		
119	16:50	Ineffective			119	16:50	Ineffective		
120	16:51	Ineffective			120	16:51	Ineffective		
121					121				
122					122				
123					123				
124					124				
125					125				
126					126				
127					127				
128					128				
129					129				
130					130				
131					131				
132					132				

133					133				
134					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 work</i>				114	<i>effective work</i>				84
<i>ineffective work</i>				6	<i>ineffective work</i>				36
<i>total time</i>				120	<i>total time</i>				120

RELAXATION ALLOWANCE			
No : 2b	Waktu Mulai : 14.52	Gito = 4.065 m2	
Tgg! : 25 Mei 2012	Waktu Selesai : 16.51	Mariyo = 4.9342 m2	
PEKERJA			
Gito		Mariyo	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	2	Konsentrasi	3
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	2	Kebisingan	2
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	22	TOTAL	23

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 25 MEI 2012							
Waktu Mulai : 14.52				Waktu Selesai : 16.51			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Gito	<i>effective</i>	114	75	85,5	22	104,31	4,065
	<i>ineffective</i>	6					
	<i>total</i>	120	75	85,5			
Mariyo	<i>effective</i>	84	75	63	23	77,49	4,9342
	<i>ineffective</i>	36					
	<i>total</i>	120	75	63			
Rata-rata						90,9	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 25 MEI 2012					
Waktu Mulai : 14.52			Waktu Selesai : 16.51		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Gito	4,065	25,6605	0,4277	16,3676	0,0611
Mariyo	4,9342	15,7047	0,2617	26,7436	0,0374
Rata-rata				21,5556	0,0492

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 3a		Waktu Mulai : 09.55		Suroyo = 7.289 m2				
TggL	: 26 Mei 2012		Waktu Selesai : 12.02		Kus = 6.33 m2				
PEKERJA									
Suroyo					Kus				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	9:55	Effective	75	84,75	1	9:55	Effective	125	132,5
2	9:56	Effective	75		2	9:56	Effective	125	
3	9:57	Effective	75		3	9:57	Effective	125	
4	9:58	Effective	75		4	9:58	Effective	125	
5	9:59	Effective	75		5	9:59	Effective	125	
6	10:00	Effective	75		6	10:00	Effective	125	
7	10:01	Effective	75		7	10:01	Effective	125	
8	10:02	Effective	75		8	10:02	Effective	125	
9	10:03	Ineffective			9	10:03	Effective	125	
10	10:04	Ineffective			10	10:04	Effective	125	
11	10:05	Ineffective			11	10:05	Effective	125	
12	10:06	Effective	75		12	10:06	Ineffective		
13	10:07	Effective	75		13	10:07	Ineffective		
14	10:08	Effective	75		14	10:08	Effective	125	
15	10:09	Effective	75		15	10:09	Effective	125	
16	10:10	Effective	75		16	10:10	Effective	125	
17	10:11	Effective	75		17	10:11	Ineffective		
18	10:12	Effective	75		18	10:12	Effective	125	
19	10:13	Effective	75		19	10:13	Effective	125	
20	10:14	Effective	75		20	10:14	Effective	125	
21	10:15	Effective	75		21	10:15	Effective	125	
22	10:16	Effective	75		22	10:16	Ineffective		
23	10:17	Effective	75		23	10:17	Ineffective		
24	10:18	Effective	75		24	10:18	Effective	125	
25	10:19	Effective	75		25	10:19	Effective	125	
26	10:20	Effective	75		26	10:20	Effective	125	
27	10:21	Effective	75		27	10:21	Effective	125	
28	10:22	Effective	75		28	10:22	Effective	125	
29	10:23	Effective	75		29	10:23	Effective	125	
30	10:24	Effective	75		30	10:24	Effective	125	
31	10:25	Effective	75		31	10:25	Effective	125	
32	10:26	Ineffective			32	10:26	Effective	125	
33	10:27	Effective	75		33	10:27	Effective	125	
34	10:28	Effective	75		34	10:28	Effective	125	
35	10:29	Effective	75		35	10:29	Effective	125	
36	10:30	Effective	75		36	10:30	Effective	125	
37	10:31	Effective	75		37	10:31	Effective	125	
38	10:32	Effective	75		38	10:32	Effective	125	
39	10:33	Effective	75		39	10:33	Effective	125	
40	10:34	Effective	75		40	10:34	Effective	125	

41	10:35	Effective	75		41	10:35	Effective	125
42	10:36	Effective	75		42	10:36	Effective	125
43	10:37	Ineffective			43	10:37	Ineffective	
44	10:38	Effective	75		44	10:38	Effective	125
45	10:39	Effective	75		45	10:39	Effective	125
46	10:40	Effective	75		46	10:40	Effective	125
47	10:41	Effective	75		47	10:41	Effective	125
48	10:42	Effective	75		48	10:42	Effective	125
49	10:43	Effective	75		49	10:43	Effective	125
50	10:44	Effective	75		50	10:44	Effective	125
51	10:45	Effective	75		51	10:45	Effective	125
52	10:46	Effective	75		52	10:46	Effective	125
53	10:47	Effective	75		53	10:47	Effective	125
54	10:48	Effective	75		54	10:48	Effective	125
55	10:49	Effective	75		55	10:49	Effective	125
56	10:50	Effective	75		56	10:50	Effective	125
57	10:51	Effective	75		57	10:51	Effective	125
58	10:52	Effective	75		58	10:52	Effective	125
59	10:53	Effective	75		59	10:53	Effective	125
60	10:54	Effective	75		60	10:54	Effective	125
61	10:55	Effective	75		61	10:55	Effective	125
62	10:56	Effective	75		62	10:56	Effective	125
63	10:57	Effective	75		63	10:57	Effective	125
64	10:58	Effective	75		64	10:58	Effective	125
65	10:59	Effective	75		65	10:59	Effective	125
66	11:00	Effective	75		66	11:00	Effective	125
67	11:01	Effective	75		67	11:01	Effective	125
68	11:02	Effective	75		68	11:02	Effective	125
69	11:03	Effective	75		69	11:03	Effective	125
70	11:04	Effective	75		70	11:04	Effective	125
71	11:05	Effective	75		71	11:05	Effective	125
72	11:06	Effective	75		72	11:06	Effective	125
73	11:07	Effective	75		73	11:07	Effective	125
74	11:08	Effective	75		74	11:08	Effective	125
75	11:09	Effective	75		75	11:09	Effective	125
76	11:10	Effective	75		76	11:10	Effective	125
77	11:11	Effective	75		77	11:11	Effective	125
78	11:12	Effective	75		78	11:12	Effective	125
79	11:13	Effective	75		79	11:13	Effective	125
80	11:14	Effective	75		80	11:14	Effective	125
81	11:15	Effective	75		81	11:15	Effective	125
82	11:16	Effective	75		82	11:16	Effective	125
83	11:17	Effective	75		83	11:17	Effective	125
84	11:18	Effective	75		84	11:18	Effective	125
85	11:19	Effective	75		85	11:19	Effective	125
86	11:20	Effective	75		86	11:20	Effective	125

87	11:21	Effective	75		87	11:21	Effective	125
88	11:22	Effective	75		88	11:22	Effective	125
89	11:23	Effective	75		89	11:23	Effective	125
90	11:24	Effective	75		90	11:24	Effective	125
91	11:25	Effective	75		91	11:25	Ineffective	
92	11:26	Effective	75		92	11:26	Ineffective	
93	11:27	Ineffective			93	11:27	Ineffective	
94	11:28	Ineffective			94	11:28	Ineffective	
95	11:29	Ineffective			95	11:29	Ineffective	
96	11:30	Ineffective			96	11:30	Ineffective	
97	11:31	Ineffective			97	11:31	Ineffective	
98	11:32	Ineffective			98	11:32	Ineffective	
99	11:33	Ineffective			99	11:33	Ineffective	
100	11:34	Ineffective			100	11:34	Ineffective	
101	11:35	Ineffective			101	11:35	Effective	125
102	11:36	Ineffective			102	11:36	Effective	125
103	11:37	Effective	75		103	11:37	Effective	125
104	11:38	Effective	75		104	11:38	Effective	125
105	11:39	Effective	75		105	11:39	Effective	125
106	11:40	Effective	75		106	11:40	Effective	125
107	11:41	Effective	75		107	11:41	Effective	125
108	11:42	Effective	75		108	11:42	Effective	125
109	11:43	Effective	75		109	11:43	Effective	125
110	11:44	Effective	75		110	11:44	Effective	125
111	11:45	Effective	75		111	11:45	Effective	125
112	11:46	Effective	75		112	11:46	Effective	125
113	11:47	Effective	75		113	11:47	Effective	125
114	11:48	Effective	75		114	11:48	Effective	125
115	11:49	Effective	75		115	11:49	Effective	125
116	11:50	Effective	75		116	11:50	Effective	125
117	11:51	Effective	75		117	11:51	Effective	125
118	11:52	Effective	75		118	11:52	Effective	125
119	11:53	Effective	75		119	11:53	Effective	125
120	11:54	Effective	75		120	11:54	Effective	125
121	11:55	Effective	75		121	11:55	Effective	125
122	11:56	Effective	75		122	11:56	Effective	125
123	11:57	Effective	75		123	11:57	Ineffective	
124	11:58	Effective	75		124	11:58	Ineffective	
125	11:59	Effective	75		125	11:59	Ineffective	
126	12:00	Effective	75		126	12:00	Ineffective	
127	12:01	Effective	75		127	12:01	Ineffective	
128	12:02	Effective	75		128	12:02	Ineffective	
129					129			
130					130			
131					131			
132					132			

133				133			
134				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 work</i>		113		<i>effective work</i>		106	
<i>ineffective work</i>		15		<i>ineffective work</i>		22	
<i>total time</i>		128		<i>total time</i>		128	

RELAXATION ALLOWANCE			
No : 3a	Waktu Mulai : 09.55	Suroyo = 7.289 m2	
TggI : 26 Mei 2012	Waktu Selesai : 12.02	Kus = 6.33 m2	
PEKERJA			
Suroyo		Kus	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	3	Posisi Kerja	2
Konsentrasi	3	Konsentrasi	3
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
TOTAL	23	TOTAL	22

PEKERJAAN PASANGAN BATA RINGAN TANGGAL 26 MEI 2012							
Waktu Mulai : 09.55				Waktu Selesai : 12.02			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Suroyo	<i>effective</i>	113	75	84,75	23	104,2425	7,289
	<i>ineffective</i>	15					
	<i>total</i>	128	75	84,75			
Kus	<i>effective</i>	106	125	132,5	22	161,65	6,33
	<i>ineffective</i>	22					
	<i>total</i>	128	125	132,5			
Rata-rata						132,94625	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 26 MEI 2012					
Waktu Mulai : 09.55			Waktu Selesai : 12.02		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Suroyo	7,289	14,3013	0,2384	29,3679	0,0341
Kus	6,33	25,5371	0,4256	16,4466	0,0608
Rata-rata				22,9073	0,0474

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 3b		Waktu Mulai : 13.31		Kus = 6,1116 m2				
TggL	: 26 Mei 2012		Waktu Selesai : 15.43		Gito = 3.6441 m2				
PEKERJA									
Kus					Gito				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	13:31	Effective	125	127,5	1	13:31	Effective	75	93,75
2	13:32	Effective	125		2	13:32	Effective	75	
3	13:33	Effective	125		3	13:33	Effective	75	
4	13:34	Effective	125		4	13:34	Effective	75	
5	13:35	Effective	125		5	13:35	Effective	75	
6	13:36	Effective	125		6	13:36	Effective	75	
7	13:37	Effective	125		7	13:37	Effective	75	
8	13:38	Effective	125		8	13:38	Effective	75	
9	13:39	Effective	125		9	13:39	Effective	75	
10	13:40	Effective	125		10	13:40	Effective	75	
11	13:41	Effective	125		11	13:41	Effective	75	
12	13:42	Effective	125		12	13:42	Effective	75	
13	13:43	Effective	125		13	13:43	Effective	75	
14	13:44	Effective	125		14	13:44	Effective	75	
15	13:45	Effective	125		15	13:45	Effective	75	
16	13:46	Ineffective			16	13:46	Effective	75	
17	13:47	Ineffective			17	13:47	Effective	75	
18	13:48	Effective	125		18	13:48	Effective	75	
19	13:49	Effective	125		19	13:49	Effective	75	
20	13:50	Effective	125		20	13:50	Effective	75	
21	13:51	Effective	125		21	13:51	Effective	75	
22	13:52	Effective	125		22	13:52	Effective	75	
23	13:53	Effective	125		23	13:53	Ineffective		
24	13:54	Effective	125		24	13:54	Effective	75	
25	13:55	Effective	125		25	13:55	Effective	75	
26	13:56	Effective	125		26	13:56	Effective	75	
27	13:57	Effective	125		27	13:57	Effective	75	
28	13:58	Effective	125		28	13:58	Effective	75	
29	13:59	Effective	125		29	13:59	Effective	75	
30	14:00	Effective	125		30	14:00	Effective	75	
31	14:01	Effective	125		31	14:01	Effective	75	
32	14:02	Effective	125		32	14:02	Effective	75	
33	14:03	Effective	125		33	14:03	Effective	75	
34	14:04	Ineffective			34	14:04	Effective	75	
35	14:05	Ineffective			35	14:05	Effective	75	
36	14:06	Effective	125		36	14:06	Effective	75	
37	14:07	Effective	125		37	14:07	Effective	75	
38	14:08	Effective	125		38	14:08	Effective	75	
39	14:09	Effective	125		39	14:09	Effective	75	
40	14:10	Effective	125		40	14:10	Effective	75	

41	14:11	Effective	125		41	14:11	Effective	75	
42	14:12	Effective	125		42	14:12	Effective	75	
43	14:13	Effective	125		43	14:13	Effective	75	
44	14:14	Ineffective			44	14:14	Effective	75	
45	14:15	Effective	125		45	14:15	Effective	75	
46	14:16	Effective	125		46	14:16	Effective	75	
47	14:17	Effective	125		47	14:17	Effective	75	
48	14:18	Effective	125		48	14:18	Effective	75	
49	14:19	Effective	125		49	14:19	Effective	75	
50	14:20	Effective	125		50	14:20	Effective	75	
51	14:21	Effective	125		51	14:21	Effective	75	
52	14:22	Effective	125		52	14:22	Effective	75	
53	14:23	Ineffective			53	14:23	Effective	75	
54	14:24	Effective	125		54	14:24	Ineffective		
55	14:25	Effective	125		55	14:25	Ineffective		
56	14:26	Effective	125		56	14:26	Ineffective		
57	14:27	Effective	125		57	14:27	Effective	75	
58	14:28	Effective	125		58	14:28	Effective	75	
59	14:29	Effective	125		59	14:29	Effective	75	
60	14:30	Effective	125		60	14:30	Effective	75	
61	14:31	Effective	125		61	14:31	Effective	75	
62	14:32	Effective	125		62	14:32	Effective	75	
63	14:33	Effective	125		63	14:33	Effective	75	
64	14:34	Effective	125		64	14:34	Effective	75	
65	14:35	Effective	125		65	14:35	Effective	75	
66	14:36	Effective	125		66	14:36	Effective	75	
67	14:37	Ineffective			67	14:37	Effective	75	
68	14:38	Ineffective			68	14:38	Effective	75	
69	14:39	Ineffective			69	14:39	Effective	75	
70	14:40	Ineffective			70	14:40	Effective	75	
71	14:41	Ineffective			71	14:41	Effective	75	
72	14:42	Ineffective			72	14:42	Effective	75	
73	14:43	Ineffective			73	14:43	Effective	75	
74	14:44	Ineffective			74	14:44	Effective	75	
75	14:45	Ineffective			75	14:45	Effective	75	
76	14:46	Ineffective			76	14:46	Ineffective		
77	14:47	Ineffective			77	14:47	Effective	75	
78	14:48	Ineffective			78	14:48	Effective	75	
79	14:49	Ineffective			79	14:49	Effective	75	
80	14:50	Ineffective			80	14:50	Effective	75	
81	14:51	Ineffective			81	14:51	Effective	75	
82	14:52	Ineffective			82	14:52	Ineffective		
83	14:53	Ineffective			83	14:53	Ineffective		
84	14:54	Ineffective			84	14:54	Effective	75	
85	14:55	Ineffective			85	14:55	Effective	75	
86	14:56	Ineffective			86	14:56	Effective	75	

87	14:57	Ineffective		87	14:57	Effective	75
88	14:58	Ineffective		88	14:58	Effective	75
89	14:59	Ineffective		89	14:59	Effective	75
90	15:00	Ineffective		90	15:00	Effective	75
91	15:01	Ineffective		91	15:01	Effective	75
92	15:02	Effective	125	92	15:02	Ineffective	
93	15:03	Effective	125	93	15:03	Ineffective	
94	15:04	Effective	125	94	15:04	Effective	75
95	15:05	Effective	125	95	15:05	Effective	75
96	15:06	Effective	125	96	15:06	Effective	75
97	15:07	Effective	125	97	15:07	Effective	75
98	15:08	Effective	125	98	15:08	Effective	75
99	15:09	Effective	125	99	15:09	Effective	75
100	15:10	Effective	125	100	15:10	Effective	75
101	15:11	Effective	125	101	15:11	Effective	75
102	15:12	Effective	125	102	15:12	Effective	75
103	15:13	Effective	125	103	15:13	Effective	75
104	15:14	Effective	125	104	15:14	Effective	75
105	15:15	Effective	125	105	15:15	Effective	75
106	15:16	Effective	125	106	15:16	Effective	75
107	15:17	Effective	125	107	15:17	Effective	75
108	15:18	Effective	125	108	15:18	Effective	75
109	15:19	Effective	125	109	15:19	Effective	75
110	15:20	Effective	125	110	15:20	Effective	75
111	15:21	Effective	125	111	15:21	Effective	75
112	15:22	Effective	125	112	15:22	Effective	75
113	15:23	Effective	125	113	15:23	Effective	75
114	15:24	Effective	125	114	15:24	Effective	75
115	15:25	Effective	125	115	15:25	Effective	75
116	15:26	Effective	125	116	15:26	Effective	75
117	15:27	Effective	125	117	15:27	Effective	75
118	15:28	Effective	125	118	15:28	Effective	75
119	15:29	Effective	125	119	15:29	Effective	75
120	15:30	Effective	125	120	15:30	Effective	75
121	15:31	Effective	125	121	15:31	Effective	75
122	15:32	Effective	125	122	15:32	Effective	75
123	15:33	Effective	125	123	15:33	Effective	75
124	15:34	Effective	125	124	15:34	Effective	75
125	15:35	Effective	125	125	15:35	Effective	75
126	15:36	Effective	125	126	15:36	Effective	75
127	15:37	Effective	125	127	15:37	Effective	75
128	15:38	Effective	125	128	15:38	Effective	75
129	15:39	Effective	125	129	15:39	Effective	75
130	15:40	Effective	125	130	15:40	Effective	75
131	15:41	Effective	125	131	15:41	Effective	75
132	15:42	Effective	125	132	15:42	Effective	75

133	15:43	<i>Effective</i>	125		133	15:43	<i>Effective</i>	75	
134					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 work</i>			102		<i>effective work</i>			125	
<i>ineffective work</i>			31		<i>ineffective work</i>			8	
<i>total time</i>			133		<i>total time</i>			133	

RELAXATION ALLOWANCE			
No : 3b	Waktu Mulai : 13.31	Kus = 6.1116 m2	
TggI : 26 Mei 2012	Waktu Selesai : 15.43	Gito = 3.6441 m2	
PEKERJA			
Kus		Gito	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	3	Posisi Kerja	2
Konsentrasi	2	Konsentrasi	1
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	2	Kebisingan	2
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	23	TOTAL	21

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 26 MEI 2012							
Waktu Mulai : 13.31				Waktu Selesai : 15.43			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Kus	<i>effective</i>	102	125	127,5	23	156,825	6,1116
	<i>ineffective</i>	31					
	<i>total</i>	133	125	127,5			
Gito	<i>effective</i>	125	75	93,75	21	113,4375	3,6441
	<i>ineffective</i>	8					
	<i>total</i>	133	75	93,75			
Rata-rata						135,13125	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 26 MEI 2012					
Waktu Mulai : 13.31			Waktu Selesai : 15.43		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Kus	6,1116	25,6602	0,4277	16,3677	0,0611
Gito	3,6441	31,1291	0,5188	13,4922	0,0741
Rata-rata				14,9300	0,0676

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	4a	Waktu Mulai : 09.52			Giono = 5.2161 m2				
TggL	: 28 Mei 2012	Waktu Selesai : 12.00			Gito = 6.684 m2				
PEKERJA									
Giono					Gito				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	9:52	Effective	75	71,25	1	9:52	Effective	75	77,25
2	9:53	Effective	75		2	9:53	Effective	75	
3	9:54	Effective	75		3	9:54	Ineffective		
4	9:55	Effective	75		4	9:55	Effective	75	
5	9:56	Effective	75		5	9:56	Effective	75	
6	9:57	Effective	75		6	9:57	Effective	75	
7	9:58	Effective	75		7	9:58	Effective	75	
8	9:59	Effective	75		8	9:59	Effective	75	
9	10:00	Effective	75		9	10:00	Effective	75	
10	10:01	Effective	75		10	10:01	Effective	75	
11	10:02	Effective	75		11	10:02	Effective	75	
12	10:03	Effective	75		12	10:03	Effective	75	
13	10:04	Ineffective			13	10:04	Effective	75	
14	10:05	Ineffective			14	10:05	Effective	75	
15	10:06	Ineffective			15	10:06	Effective	75	
16	10:07	Effective	75		16	10:07	Effective	75	
17	10:08	Effective	75		17	10:08	Effective	75	
18	10:09	Effective	75		18	10:09	Effective	75	
19	10:10	Effective	75		19	10:10	Effective	75	
20	10:11	Effective	75		20	10:11	Effective	75	
21	10:12	Effective	75		21	10:12	Effective	75	
22	10:13	Effective	75		22	10:13	Effective	75	
23	10:14	Effective	75		23	10:14	Effective	75	
24	10:15	Effective	75		24	10:15	Effective	75	
25	10:16	Effective	75		25	10:16	Effective	75	
26	10:17	Effective	75		26	10:17	Effective	75	
27	10:18	Effective	75		27	10:18	Effective	75	
28	10:19	Effective	75		28	10:19	Effective	75	
29	10:20	Effective	75		29	10:20	Effective	75	
30	10:21	Effective	75		30	10:21	Effective	75	
31	10:22	Effective	75		31	10:22	Effective	75	
32	10:23	Effective	75		32	10:23	Effective	75	
33	10:24	Effective	75		33	10:24	Effective	75	
34	10:25	Effective	75		34	10:25	Effective	75	
35	10:26	Effective	75		35	10:26	Effective	75	
36	10:27	Effective	75		36	10:27	Effective	75	
37	10:28	Effective	75		37	10:28	Effective	75	
38	10:29	Effective	75		38	10:29	Ineffective		
39	10:30	Effective	75		39	10:30	Effective	75	
40	10:31	Effective	75		40	10:31	Effective	75	

41	10:32	Effective	75		41	10:32	Effective	75	
42	10:33	Effective	75		42	10:33	Effective	75	
43	10:34	Effective	75		43	10:34	Effective	75	
44	10:35	Effective	75		44	10:35	Effective	75	
45	10:36	Effective	75		45	10:36	Effective	75	
46	10:37	Effective	75		46	10:37	Effective	75	
47	10:38	Effective	75		47	10:38	Effective	75	
48	10:39	Effective	75		48	10:39	Effective	75	
49	10:40	Effective	75		49	10:40	Effective	75	
50	10:41	Effective	75		50	10:41	Effective	75	
51	10:42	Effective	75		51	10:42	Effective	75	
52	10:43	Ineffective			52	10:43	Effective	75	
53	10:44	Ineffective			53	10:44	Effective	75	
54	10:45	Ineffective			54	10:45	Effective	75	
55	10:46	Ineffective			55	10:46	Effective	75	
56	10:47	Ineffective			56	10:47	Effective	75	
57	10:48	Ineffective			57	10:48	Effective	75	
58	10:49	Ineffective			58	10:49	Effective	75	
59	10:50	Ineffective			59	10:50	Effective	75	
60	10:51	Ineffective			60	10:51	Effective	75	
61	10:52	Ineffective			61	10:52	Effective	75	
62	10:53	Ineffective			62	10:53	Ineffective		
63	10:54	Ineffective			63	10:54	Ineffective		
64	10:55	Ineffective			64	10:55	Ineffective		
65	10:56	Ineffective			65	10:56	Ineffective		
66	10:57	Ineffective			66	10:57	Ineffective		
67	10:58	Ineffective			67	10:58	Ineffective		
68	10:59	Ineffective			68	10:59	Ineffective		
69	11:00	Ineffective			69	11:00	Ineffective		
70	11:01	Ineffective			70	11:01	Ineffective		
71	11:02	Ineffective			71	11:02	Ineffective		
72	11:03	Ineffective			72	11:03	Ineffective		
73	11:04	Ineffective			73	11:04	Ineffective		
74	11:05	Ineffective			74	11:05	Ineffective		
75	11:06	Ineffective			75	11:06	Ineffective		
76	11:07	Ineffective			76	11:07	Ineffective		
77	11:08	Effective	75		77	11:08	Ineffective		
78	11:09	Effective	75		78	11:09	Ineffective		
79	11:10	Effective	75		79	11:10	Ineffective		
80	11:11	Effective	75		80	11:11	Ineffective		
81	11:12	Effective	75		81	11:12	Ineffective		
82	11:13	Effective	75		82	11:13	Effective	75	
83	11:14	Effective	75		83	11:14	Effective	75	
84	11:15	Effective	75		84	11:15	Effective	75	
85	11:16	Effective	75		85	11:16	Effective	75	
86	11:17	Effective	75		86	11:17	Effective	75	

87	11:18	Effective	75		87	11:18	Effective	75	
88	11:19	Effective	75		88	11:19	Effective	75	
89	11:20	Effective	75		89	11:20	Effective	75	
90	11:21	Effective	75		90	11:21	Effective	75	
91	11:22	Effective	75		91	11:22	Effective	75	
92	11:23	Effective	75		92	11:23	Effective	75	
93	11:24	Effective	75		93	11:24	Effective	75	
94	11:25	Effective	75		94	11:25	Effective	75	
95	11:26	Effective	75		95	11:26	Effective	75	
96	11:27	Effective	75		96	11:27	Effective	75	
97	11:28	Effective	75		97	11:28	Effective	75	
98	11:29	Effective	75		98	11:29	Effective	75	
99	11:30	Effective	75		99	11:30	Effective	75	
100	11:31	Effective	75		100	11:31	Effective	75	
101	11:32	Effective	75		101	11:32	Effective	75	
102	11:33	Effective	75		102	11:33	Effective	75	
103	11:34	Effective	75		103	11:34	Effective	75	
104	11:35	Ineffective			104	11:35	Effective	75	
105	11:36	Effective	75		105	11:36	Effective	75	
106	11:37	Effective	75		106	11:37	Effective	75	
107	11:38	Effective	75		107	11:38	Effective	75	
108	11:39	Effective	75		108	11:39	Effective	75	
109	11:40	Effective	75		109	11:40	Effective	75	
110	11:41	Effective	75		110	11:41	Effective	75	
111	11:42	Effective	75		111	11:42	Effective	75	
112	11:43	Effective	75		112	11:43	Effective	75	
113	11:44	Effective	75		113	11:44	Effective	75	
114	11:45	Effective	75		114	11:45	Effective	75	
115	11:46	Effective	75		115	11:46	Effective	75	
116	11:47	Effective	75		116	11:47	Effective	75	
117	11:48	Effective	75		117	11:48	Effective	75	
118	11:49	Effective	75		118	11:49	Effective	75	
119	11:50	Effective	75		119	11:50	Effective	75	
120	11:51	Effective	75		120	11:51	Effective	75	
121	11:52	Effective	75		121	11:52	Effective	75	
122	11:53	Effective	75		122	11:53	Effective	75	
123	11:54	Effective	75		123	11:54	Effective	75	
124	11:55	Effective	75		124	11:55	Effective	75	
125	11:56	Ineffective			125	11:56	Effective	75	
126	11:57	Ineffective			126	11:57	Ineffective		
127	11:58	Ineffective			127	11:58	Ineffective		
128	11:59	Ineffective			128	11:59	Ineffective		
129	12:00	Ineffective			129	12:00	Ineffective		
130					130				
131					131				
132					132				

133					133				
134					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 work</i>			95		<i>effective work</i>			103	
<i>ineffective work</i>			34		<i>ineffective work</i>			26	
<i>total time</i>			129		<i>total time</i>			129	

RELAXATION ALLOWANCE			
No : 4a	Waktu Mulai : 09.52	Giono = 5.2161 m2	
TggI : 28 Mei 2012	Waktu Selesai : 12.00	Gito = 6.684 m2	
PEKERJA			
Giono		Gito	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahaya-an	1	Lingkungan, Pencahaya-an	1
Kebisingan	2	Kebisingan	2
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	21	TOTAL	21

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 28 MEI 2012							
Waktu Mulai : 09.52				Waktu Selesai : 12.00			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Giono	<i>effective</i>	95	75	71,25	21	86,2125	5,2161
	<i>ineffective</i>	34					
	<i>total</i>	129	75	71,25			
Gito	<i>effective</i>	103	75	77,25	21	93,4725	6,684
	<i>ineffective</i>	26					
	<i>total</i>	129	75	77,25			
Rata-rata						89,8425	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 28 MEI 2012					
Waktu Mulai : 09.52			Waktu Selesai : 12.00		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Giono	5,2161	16,5282	0,2755	25,4112	0,0394
Gito	6,684	13,9845	0,2331	30,0332	0,0333
Rata-rata				27,7222	0,0363

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 4b			Waktu Mulai	: 13.39		Sukartijan = 4.847 m2		
TggL	: 28 Mei 2012			Waktu Selesai	: 15.50		Giono = 4.5939 m2		
PEKERJA									
Sukartijan					Giono				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	13:39	Effective	100	98	1	13:39	Effective	75	84,75
2	13:40	Effective	100		2	13:40	Effective	75	
3	13:41	Effective	100		3	13:41	Effective	75	
4	13:42	Effective	100		4	13:42	Effective	75	
5	13:43	Effective	100		5	13:43	Effective	75	
6	13:44	Effective	100		6	13:44	Effective	75	
7	13:45	Effective	100		7	13:45	Effective	75	
8	13:46	Effective	100		8	13:46	Effective	75	
9	13:47	Effective	100		9	13:47	Effective	75	
10	13:48	Ineffective			10	13:48	Effective	75	
11	13:49	Ineffective			11	13:49	Effective	75	
12	13:50	Ineffective			12	13:50	Effective	75	
13	13:51	Ineffective			13	13:51	Effective	75	
14	13:52	Ineffective			14	13:52	Effective	75	
15	13:53	Ineffective			15	13:53	Effective	75	
16	13:54	Ineffective			16	13:54	Effective	75	
17	13:55	Ineffective			17	13:55	Effective	75	
18	13:56	Ineffective			18	13:56	Effective	75	
19	13:57	Ineffective			19	13:57	Effective	75	
20	13:58	Ineffective			20	13:58	Effective	75	
21	13:59	Ineffective			21	13:59	Effective	75	
22	14:00	Ineffective			22	14:00	Effective	75	
23	14:01	Ineffective			23	14:01	Effective	75	
24	14:02	Ineffective			24	14:02	Effective	75	
25	14:03	Ineffective			25	14:03	Effective	75	
26	14:04	Ineffective			26	14:04	Effective	75	
27	14:05	Ineffective			27	14:05	Effective	75	
28	14:06	Ineffective			28	14:06	Effective	75	
29	14:07	Effective	100		29	14:07	Effective	75	
30	14:08	Effective	100		30	14:08	Effective	75	
31	14:09	Effective	100		31	14:09	Effective	75	
32	14:10	Effective	100		32	14:10	Effective	75	
33	14:11	Effective	100		33	14:11	Effective	75	
34	14:12	Effective	100		34	14:12	Effective	75	
35	14:13	Effective	100		35	14:13	Effective	75	
36	14:14	Effective	100		36	14:14	Effective	75	
37	14:15	Effective	100		37	14:15	Effective	75	
38	14:16	Effective	100		38	14:16	Effective	75	
39	14:17	Effective	100		39	14:17	Effective	75	

40	14:18	Effective	100	40	14:18	Effective	75
41	14:19	Effective	100	41	14:19	Effective	75
42	14:20	Effective	100	42	14:20	Effective	75
43	14:21	Effective	100	43	14:21	Effective	75
44	14:22	Effective	100	44	14:22	Effective	75
45	14:23	Effective	100	45	14:23	Effective	75
46	14:24	Effective	100	46	14:24	Effective	75
47	14:25	Effective	100	47	14:25	Effective	75
48	14:26	Ineffective		48	14:26	Effective	75
49	14:27	Ineffective		49	14:27	Effective	75
50	14:28	Ineffective		50	14:28	Effective	75
51	14:29	Ineffective		51	14:29	Effective	75
52	14:30	Ineffective		52	14:30	Effective	75
53	14:31	Ineffective		53	14:31	Effective	75
54	14:32	Ineffective		54	14:32	Effective	75
55	14:33	Ineffective		55	14:33	Effective	75
56	14:34	Ineffective		56	14:34	Effective	75
57	14:35	Ineffective		57	14:35	Effective	75
58	14:36	Ineffective		58	14:36	Effective	75
59	14:37	Ineffective		59	14:37	Effective	75
60	14:38	Ineffective		60	14:38	Effective	75
61	14:39	Ineffective		61	14:39	Effective	75
62	14:40	Effective	100	62	14:40	Effective	75
63	14:41	Effective	100	63	14:41	Effective	75
64	14:42	Effective	100	64	14:42	Effective	75
65	14:43	Effective	100	65	14:43	Effective	75
66	14:44	Effective	100	66	14:44	Effective	75
67	14:45	Effective	100	67	14:45	Effective	75
68	14:46	Effective	100	68	14:46	Effective	75
69	14:47	Effective	100	69	14:47	Effective	75
70	14:48	Effective	100	70	14:48	Effective	75
71	14:49	Effective	100	71	14:49	Effective	75
72	14:50	Effective	100	72	14:50	Effective	75
73	14:51	Effective	100	73	14:51	Effective	75
74	14:52	Effective	100	74	14:52	Effective	75
75	14:53	Effective	100	75	14:53	Effective	75
76	14:54	Ineffective		76	14:54	Effective	75
77	14:55	Effective	100	77	14:55	Effective	75
78	14:56	Effective	100	78	14:56	Effective	75
79	14:57	Effective	100	79	14:57	Effective	75
80	14:58	Effective	100	80	14:58	Effective	75
81	14:59	Effective	100	81	14:59	Effective	75
82	15:00	Effective	100	82	15:00	Effective	75
83	15:01	Effective	100	83	15:01	Effective	75
84	15:02	Effective	100	84	15:02	Effective	75

85	15:03	Effective	100	85	15:03	Ineffective	
86	15:04	Effective	100	86	15:04	Ineffective	
87	15:05	Effective	100	87	15:05	Ineffective	
88	15:06	Effective	100	88	15:06	Ineffective	
89	15:07	Effective	100	89	15:07	Ineffective	
90	15:08	Effective	100	90	15:08	Ineffective	
91	15:09	Effective	100	91	15:09	Ineffective	
92	15:10	Effective	100	92	15:10	Ineffective	
93	15:11	Effective	100	93	15:11	Ineffective	
94	15:12	Effective	100	94	15:12	Ineffective	
95	15:13	Effective	100	95	15:13	Ineffective	
96	15:14	Effective	100	96	15:14	Ineffective	
97	15:15	Effective	100	97	15:15	Ineffective	
98	15:16	Effective	100	98	15:16	Ineffective	
99	15:17	Effective	100	99	15:17	Effective	75
100	15:18	Effective	100	100	15:18	Effective	75
101	15:19	Effective	100	101	15:19	Effective	75
102	15:20	Effective	100	102	15:20	Effective	75
103	15:21	Effective	100	103	15:21	Effective	75
104	15:22	Effective	100	104	15:22	Effective	75
105	15:23	Effective	100	105	15:23	Effective	75
106	15:24	Effective	100	106	15:24	Effective	75
107	15:25	Effective	100	107	15:25	Effective	75
108	15:26	Effective	100	108	15:26	Effective	75
109	15:27	Effective	100	109	15:27	Effective	75
110	15:28	Effective	100	110	15:28	Effective	75
111	15:29	Effective	100	111	15:29	Effective	75
112	15:30	Effective	100	112	15:30	Effective	75
113	15:31	Effective	100	113	15:31	Effective	75
114	15:32	Effective	100	114	15:32	Effective	75
115	15:33	Effective	100	115	15:33	Effective	75
116	15:34	Effective	100	116	15:34	Ineffective	
117	15:35	Effective	100	117	15:35	Effective	75
118	15:36	Effective	100	118	15:36	Effective	75
119	15:37	Effective	100	119	15:37	Effective	75
120	15:38	Effective	100	120	15:38	Effective	75
121	15:39	Effective	100	121	15:39	Effective	75
122	15:40	Effective	100	122	15:40	Effective	75
123	15:41	Effective	100	123	15:41	Effective	75
124	15:42	Effective	100	124	15:42	Effective	75
125	15:43	Effective	100	125	15:43	Ineffective	
126	15:44	Effective	100	126	15:44	Effective	75
127	15:45	Effective	100	127	15:45	Effective	75
128	15:46	Effective	100	128	15:46	Effective	75
129	15:47	Effective	100	129	15:47	Effective	75

130	15:48	<i>Effective</i>	100	130	15:48	<i>Ineffective</i>	
131	15:49	<i>Effective</i>	100	131	15:49	<i>Ineffective</i>	
132	15:50	<i>Effective</i>	100	132	15:50	<i>Ineffective</i>	
133				133			
134				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			
<i>effective work</i>			98	<i>effective work</i>			113
<i>ineffective work</i>			34	<i>ineffective work</i>			19
<i>total time</i>			132	<i>total time</i>			132

RELAXATION ALLOWANCE			
No : 4b	Waktu Mulai : 13.39	Sukartijan = 4.847 m2	
Tggl : 28 Mei 2012	Waktu Selesai : 15.50	Giono = 4.5939 m2	
PEKERJA			
Sukartijan		Giono	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	2
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	1
Kebisingan	2	Kebisingan	2
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	21	TOTAL	22

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 28 MEI 2012							
Waktu Mulai : 13.39				Waktu Selesai : 15.50			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Sukartijan	<i>effective</i>	98	100	98	21	118,58	4,847
	<i>ineffective</i>	34					
	<i>total</i>	132	100	98			
Giono	<i>effective</i>	113	75	84,75	22	103,395	4,5939
	<i>ineffective</i>	19					
	<i>total</i>	132	75	84,75			
Rata-rata						110,9875	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 28 MEI 2012					
Waktu Mulai : 13.39			Waktu Selesai : 15.50		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Sukartijan	4,847	24,4646	0,4077	17,1677	0,0582
Giono	4,5939	22,5070	0,3751	18,6608	0,0536
Rata-rata				17,9142	0,0559

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 5a			Waktu Mulai	: 09.24		Sukartijan = 3.8380 m2		
TggL	: 29 Mei 2012			Waktu Selesai	: 11.50		Kus = 5.1696 m2		
PEKERJA									
Sukartijan					Kus				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	9:24	Effective	100	102	1	9:24	Effective	125	175
2	9:25	Effective	100		2	9:25	Effective	125	
3	9:26	Effective	100		3	9:26	Effective	125	
4	9:27	Effective	100		4	9:27	Effective	125	
5	9:28	Effective	100		5	9:28	Effective	125	
6	9:29	Effective	100		6	9:29	Effective	125	
7	9:30	Effective	100		7	9:30	Effective	125	
8	9:31	Effective	100		8	9:31	Effective	125	
9	9:32	Effective	100		9	9:32	Effective	125	
10	9:33	Ineffective			10	9:33	Effective	125	
11	9:34	Ineffective			11	9:34	Effective	125	
12	9:35	Ineffective			12	9:35	Effective	125	
13	9:36	Ineffective			13	9:36	Effective	125	
14	9:37	Ineffective			14	9:37	Effective	125	
15	9:38	Ineffective			15	9:38	Effective	125	
16	9:39	Ineffective			16	9:39	Effective	125	
17	9:40	Ineffective			17	9:40	Effective	125	
18	9:41	Ineffective			18	9:41	Effective	125	
19	9:42	Ineffective			19	9:42	Effective	125	
20	9:43	Ineffective			20	9:43	Effective	125	
21	9:44	Ineffective			21	9:44	Effective	125	
22	9:45	Ineffective			22	9:45	Effective	125	
23	9:46	Ineffective			23	9:46	Effective	125	
24	9:47	Ineffective			24	9:47	Effective	125	
25	9:48	Ineffective			25	9:48	Effective	125	
26	9:49	Ineffective			26	9:49	Effective	125	
27	9:50	Ineffective			27	9:50	Effective	125	
28	9:51	Ineffective			28	9:51	Effective	125	
29	9:52	Ineffective			29	9:52	Effective	125	
30	9:53	Ineffective			30	9:53	Effective	125	
31	9:54	Ineffective			31	9:54	Effective	125	
32	9:55	Ineffective			32	9:55	Effective	125	
33	9:56	Ineffective			33	9:56	Effective	125	
34	9:57	Ineffective			34	9:57	Effective	125	
35	9:58	Ineffective			35	9:58	Effective	125	
36	9:59	Ineffective			36	9:59	Effective	125	
37	10:00	Effective	100		37	10:00	Effective	125	
38	10:01	Effective	100		38	10:01	Effective	125	
39	10:02	Effective	100		39	10:02	Effective	125	
40	10:03	Effective	100		40	10:03	Effective	125	

41	10:04	Effective	100	41	10:04	Effective	125
42	10:05	Effective	100	42	10:05	Effective	125
43	10:06	Effective	100	43	10:06	Effective	125
44	10:07	Effective	100	44	10:07	Effective	125
45	10:08	Effective	100	45	10:08	Effective	125
46	10:09	Effective	100	46	10:09	Effective	125
47	10:10	Effective	100	47	10:10	Effective	125
48	10:11	Effective	100	48	10:11	Effective	125
49	10:12	Effective	100	49	10:12	Effective	125
50	10:13	Effective	100	50	10:13	Effective	125
51	10:14	Effective	100	51	10:14	Effective	125
52	10:15	Effective	100	52	10:15	Effective	125
53	10:16	Effective	100	53	10:16	Effective	125
54	10:17	Effective	100	54	10:17	Effective	125
55	10:18	Effective	100	55	10:18	Effective	125
56	10:19	Effective	100	56	10:19	Effective	125
57	10:20	Effective	100	57	10:20	Effective	125
58	10:21	Effective	100	58	10:21	Effective	125
59	10:22	Effective	100	59	10:22	Effective	125
60	10:23	Effective	100	60	10:23	Effective	125
61	10:24	Effective	100	61	10:24	Effective	125
62	10:25	Effective	100	62	10:25	Effective	125
63	10:26	Effective	100	63	10:26	Effective	125
64	10:27	Effective	100	64	10:27	Effective	125
65	10:28	Effective	100	65	10:28	Effective	125
66	10:29	Effective	100	66	10:29	Effective	125
67	10:30	Effective	100	67	10:30	Effective	125
68	10:31	Effective	100	68	10:31	Effective	125
69	10:32	Effective	100	69	10:32	Effective	125
70	10:33	Effective	100	70	10:33	Effective	125
71	10:34	Effective	100	71	10:34	Ineffective	
72	10:35	Effective	100	72	10:35	Ineffective	
73	10:36	Effective	100	73	10:36	Ineffective	
74	10:37	Ineffective		74	10:37	Ineffective	
75	10:38	Ineffective		75	10:38	Ineffective	
76	10:39	Ineffective		76	10:39	Ineffective	
77	10:40	Ineffective		77	10:40	Effective	125
78	10:41	Ineffective		78	10:41	Effective	125
79	10:42	Ineffective		79	10:42	Effective	125
80	10:43	Ineffective		80	10:43	Effective	125
81	10:44	Ineffective		81	10:44	Effective	125
82	10:45	Ineffective		82	10:45	Effective	125
83	10:46	Ineffective		83	10:46	Effective	125
84	10:47	Ineffective		84	10:47	Effective	125
85	10:48	Ineffective		85	10:48	Effective	125
86	10:49	Ineffective		86	10:49	Effective	125

87	10:50	Ineffective		87	10:50	Effective	125
88	10:51	Ineffective		88	10:51	Effective	125
89	10:52	Ineffective		89	10:52	Effective	125
90	10:53	Ineffective		90	10:53	Effective	125
91	10:54	Ineffective		91	10:54	Effective	125
92	10:55	Effective	100	92	10:55	Effective	125
93	10:56	Effective	100	93	10:56	Effective	125
94	10:57	Effective	100	94	10:57	Effective	125
95	10:58	Effective	100	95	10:58	Effective	125
96	10:59	Effective	100	96	10:59	Effective	125
97	11:00	Effective	100	97	11:00	Effective	125
98	11:01	Effective	100	98	11:01	Effective	125
99	11:02	Effective	100	99	11:02	Effective	125
100	11:03	Effective	100	100	11:03	Effective	125
101	11:04	Effective	100	101	11:04	Effective	125
102	11:05	Effective	100	102	11:05	Effective	125
103	11:06	Effective	100	103	11:06	Effective	125
104	11:07	Effective	100	104	11:07	Effective	125
105	11:08	Effective	100	105	11:08	Effective	125
106	11:09	Effective	100	106	11:09	Effective	125
107	11:10	Effective	100	107	11:10	Effective	125
108	11:11	Effective	100	108	11:11	Effective	125
109	11:12	Effective	100	109	11:12	Effective	125
110	11:13	Effective	100	110	11:13	Effective	125
111	11:14	Effective	100	111	11:14	Effective	125
112	11:15	Effective	100	112	11:15	Effective	125
113	11:16	Effective	100	113	11:16	Effective	125
114	11:17	Effective	100	114	11:17	Effective	125
115	11:18	Effective	100	115	11:18	Effective	125
116	11:19	Effective	100	116	11:19	Effective	125
117	11:20	Effective	100	117	11:20	Effective	125
118	11:21	Effective	100	118	11:21	Effective	125
119	11:22	Effective	100	119	11:22	Effective	125
120	11:23	Effective	100	120	11:23	Effective	125
121	11:24	Effective	100	121	11:24	Effective	125
122	11:25	Effective	100	122	11:25	Effective	125
123	11:26	Effective	100	123	11:26	Effective	125
124	11:27	Effective	100	124	11:27	Effective	125
125	11:28	Effective	100	125	11:28	Effective	125
126	11:29	Effective	100	126	11:29	Effective	125
127	11:30	Effective	100	127	11:30	Effective	125
128	11:31	Effective	100	128	11:31	Effective	125
129	11:32	Effective	100	129	11:32	Effective	125
130	11:33	Effective	100	130	11:33	Effective	125
131	11:34	Effective	100	131	11:34	Effective	125
132	11:35	Effective	100	132	11:35	Effective	125

133	11:36	Effective	100	133	11:36	Effective	125
134	11:37	Effective	100	134	11:37	Effective	125
135	11:38	Effective	100	135	11:38	Effective	125
136	11:39	Effective	100	136	11:39	Effective	125
137	11:40	Effective	100	137	11:40	Effective	125
138	11:41	Effective	100	138	11:41	Effective	125
139	11:42	Effective	100	139	11:42	Effective	125
140	11:43	Effective	100	140	11:43	Effective	125
141	11:44	Effective	100	141	11:44	Effective	125
142	11:45	Effective	100	142	11:45	Effective	125
143	11:46	Effective	100	143	11:46	Effective	125
144	11:47	Effective	100	144	11:47	Effective	125
145	11:48	Effective	100	145	11:48	Effective	125
146	11:49	Effective	100	146	11:49	Effective	125
147	11:50	Effective	100	147	11:50	Ineffective	
148				148			
149				149			
150				150			
effective work			102	effective work			140
ineffective work			45	ineffective work			7
total				total			
time			147	time			147

RELAXATION ALLOWANCE			
No : 5a	Waktu Mulai : 09.24	Sukartijan = 3.8380 m2	
Tgg! : 29 Mei 2012	Waktu Selesai : 11.50	Kus = 5.1696 m2	
PEKERJA			
Sukartijan		Kus	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	2	Konsentrasi	3
Lingkungan, Pencahayaannya	1	Lingkungan, Pencahayaannya	1
Kebisingan	3	Kebisingan	3
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	23	TOTAL	24

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 MEI 2012							
Waktu Mulai : 09.24				Waktu Selesai : 11.50			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Sukartijan	<i>effective</i>	102	100	102	23	125,46	3,8380
	<i>ineffective</i>	45					
	<i>total</i>	147	100	102			
Kus	<i>effective</i>	140	125	175	24	217	5,1696
	<i>ineffective</i>	7					
	<i>total</i>	147	125	175			
Rata-rata						171,23	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 MEI 2012					
Waktu Mulai : 09.24			Waktu Selesai : 11.50		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Sukartijan	3,8380	32,6889	0,5448	12,8484	0,0778
Kus	5,1696	41,9762	0,6996	10,0057	0,0999
Rata-rata				11,4270	0,0889

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 5b			Waktu Mulai	: 13.24		Sukartijan = 4.0071 m2		
TggL	: 29 Mei 2012			Waktu Selesai	: 15.47		Giono = 2.0824 m2		
PEKERJA									
Sukartijan					Giono				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	13:24	Effective	100	107	1	13:24	Effective	75	43,5
2	13:25	Effective	100		2	13:25	Effective	75	
3	13:26	Effective	100		3	13:26	Effective	75	
4	13:27	Effective	100		4	13:27	Effective	75	
5	13:28	Effective	100		5	13:28	Effective	75	
6	13:29	Effective	100		6	13:29	Effective	75	
7	13:30	Effective	100		7	13:30	Effective	75	
8	13:31	Effective	100		8	13:31	Effective	75	
9	13:32	Effective	100		9	13:32	Effective	75	
10	13:33	Effective	100		10	13:33	Effective	75	
11	13:34	Effective	100		11	13:34	Effective	75	
12	13:35	Effective	100		12	13:35	Effective	75	
13	13:36	Effective	100		13	13:36	Effective	75	
14	13:37	Effective	100		14	13:37	Effective	75	
15	13:38	Effective	100		15	13:38	Effective	75	
16	13:39	Effective	100		16	13:39	Effective	75	
17	13:40	Effective	100		17	13:40	Effective	75	
18	13:41	Effective	100		18	13:41	Effective	75	
19	13:42	Effective	100		19	13:42	Effective	75	
20	13:43	Effective	100		20	13:43	Effective	75	
21	13:44	Effective	100		21	13:44	Effective	75	
22	13:45	Effective	100		22	13:45	Effective	75	
23	13:46	Effective	100		23	13:46	Effective	75	
24	13:47	Effective	100		24	13:47	Effective	75	
25	13:48	Effective	100		25	13:48	Effective	75	
26	13:49	Effective	100		26	13:49	Effective	75	
27	13:50	Effective	100		27	13:50	Effective	75	
28	13:51	Effective	100		28	13:51	Effective	75	
29	13:52	Effective	100		29	13:52	Effective	75	
30	13:53	Effective	100		30	13:53	Effective	75	
31	13:54	Effective	100		31	13:54	Effective	75	
32	13:55	Effective	100		32	13:55	Effective	75	
33	13:56	Effective	100		33	13:56	Effective	75	
34	13:57	Effective	100		34	13:57	Effective	75	
35	13:58	Effective	100		35	13:58	Effective	75	
36	13:59	Effective	100		36	13:59	Effective	75	
37	14:00	Effective	100		37	14:00	Effective	75	
38	14:01	Effective	100		38	14:01	Effective	75	
39	14:02	Effective	100		39	14:02	Effective	75	
40	14:03	Effective	100		40	14:03	Effective	75	

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

87	14:50	Ineffective		87	14:50	Ineffective	
88	14:51	Ineffective		88	14:51	Ineffective	
89	14:52	Ineffective		89	14:52	Ineffective	
90	14:53	Ineffective		90	14:53	Ineffective	
91	14:54	Ineffective		91	14:54	Ineffective	
92	14:55	Ineffective		92	14:55	Ineffective	
93	14:56	Ineffective		93	14:56	Ineffective	
94	14:57	Ineffective		94	14:57	Ineffective	
95	14:58	Ineffective		95	14:58	Ineffective	
96	14:59	Ineffective		96	14:59	Ineffective	
97	15:00	Ineffective		97	15:00	Ineffective	
98	15:01	Ineffective		98	15:01	Ineffective	
99	15:02	Ineffective		99	15:02	Ineffective	
100	15:03	Ineffective		100	15:03	Ineffective	
101	15:04	Ineffective		101	15:04	Ineffective	
102	15:05	Ineffective		102	15:05	Ineffective	
103	15:06	Ineffective		103	15:06	Ineffective	
104	15:07	Ineffective		104	15:07	Ineffective	
105	15:08	Ineffective		105	15:08	Ineffective	
106	15:09	Ineffective		106	15:09	Ineffective	
107	15:10	Ineffective		107	15:10	Ineffective	
108	15:11	Ineffective		108	15:11	Ineffective	
109	15:12	Ineffective		109	15:12	Ineffective	
110	15:13	Ineffective		110	15:13	Ineffective	
111	15:14	Ineffective		111	15:14	Ineffective	
112	15:15	Ineffective		112	15:15	Ineffective	
113	15:16	Ineffective		113	15:16	Ineffective	
114	15:17	Effective	100	114	15:17	Ineffective	
115	15:18	Effective	100	115	15:18	Ineffective	
116	15:19	Effective	100	116	15:19	Ineffective	
117	15:20	Effective	100	117	15:20	Ineffective	
118	15:21	Effective	100	118	15:21	Ineffective	
119	15:22	Effective	100	119	15:22	Ineffective	
120	15:23	Effective	100	120	15:23	Ineffective	
121	15:24	Effective	100	121	15:24	Ineffective	
122	15:25	Effective	100	122	15:25	Ineffective	
123	15:26	Effective	100	123	15:26	Ineffective	
124	15:27	Effective	100	124	15:27	Ineffective	
125	15:28	Effective	100	125	15:28	Ineffective	
126	15:29	Effective	100	126	15:29	Ineffective	
127	15:30	Effective	100	127	15:30	Ineffective	
128	15:31	Effective	100	128	15:31	Ineffective	
129	15:32	Effective	100	129	15:32	Ineffective	
130	15:33	Effective	100	130	15:33	Ineffective	
131	15:34	Effective	100	131	15:34	Ineffective	
132	15:35	Effective	100	132	15:35	Ineffective	

133	15:36	<i>Effective</i>	100	133	15:36	<i>Ineffective</i>	
134	15:37	<i>Effective</i>	100	134	15:37	<i>Ineffective</i>	
135	15:38	<i>Effective</i>	100	135	15:38	<i>Ineffective</i>	
136	15:39	<i>Effective</i>	100	136	15:39	<i>Ineffective</i>	
137	15:40	<i>Effective</i>	100	137	15:40	<i>Ineffective</i>	
138	15:41	<i>Effective</i>	100	138	15:41	<i>Ineffective</i>	
139	15:42	<i>Effective</i>	100	139	15:42	<i>Ineffective</i>	
140	15:43	<i>Effective</i>	100	140	15:43	<i>Ineffective</i>	
141	15:44	<i>Effective</i>	100	141	15:44	<i>Ineffective</i>	
142	15:45	<i>Effective</i>	100	142	15:45	<i>Ineffective</i>	
143	15:46	<i>Effective</i>	100	143	15:46	<i>Ineffective</i>	
144	15:47	<i>Effective</i>	100	144	15:47	<i>Ineffective</i>	
145				145			
146				146			
147				147			
148				148			
149				149			
150				150			
<i>effective work</i>			107	<i>effective work</i>			58
<i>ineffective work</i>			37	<i>ineffective work</i>			86
<i>total time</i>			144	<i>total time</i>			144

RELAXATION ALLOWANCE			
No : 5b	Waktu Mulai : 13.24	Sukartijan = 4.0071 m2	
Tgg! : 29 Mei 2012	Waktu Selesai : 15.47	Giono = 2.0824 m2	
PEKERJA			
Sukartijan		Giono	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	2	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
TOTAL	21	TOTAL	20

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 MEI 2012							
Waktu Mulai : 13.24				Waktu Selesai : 15.47			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Sukartijan	<i>effective</i>	107	100	107	21	129,47	4,0071
	<i>ineffective</i>	37					
	<i>total</i>	144	100	107			
Giono	<i>effective</i>	58	75	43,5	20	52,2	2,0824
	<i>ineffective</i>	86					
	<i>total</i>	144	75	43,5			
Rata-rata						90,835	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 29 MEI 2012					
Waktu Mulai : 13.24			Waktu Selesai : 15.47		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Sukartijan	4,0071	32,3101	0,5385	12,9990	0,0769
Giono	2,0824	25,0672	0,4178	16,7549	0,0597
Rata-rata				14,8770	0,0683

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 6a			Waktu Mulai	: 09.00			Kus = 5.661 m2	
TggL	: 30 Mei 2012			Waktu Selesai	: 11.10			Sukartijan = 5.041 m2	
PEKERJA									
Kus					Sukartijan				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	9:00	<i>Ineffective</i>	125	135	1	9:00	<i>Ineffective</i>		119
2	9:01	<i>Effective</i>	125		2	9:01	<i>Ineffective</i>		
3	9:02	<i>Effective</i>	125		3	9:02	<i>Ineffective</i>		
4	9:03	<i>Effective</i>	125		4	9:03	<i>Ineffective</i>		
5	9:04	<i>Effective</i>	125		5	9:04	<i>Ineffective</i>		
6	9:05	<i>Effective</i>	125		6	9:05	<i>Ineffective</i>		
7	9:06	<i>Effective</i>	125		7	9:06	<i>Ineffective</i>		
8	9:07	<i>Effective</i>	125		8	9:07	<i>Ineffective</i>		
9	9:08	<i>Effective</i>	125		9	9:08	<i>Effective</i>	100	
10	9:09	<i>Effective</i>	125		10	9:09	<i>Effective</i>	100	
11	9:10	<i>Effective</i>	125		11	9:10	<i>Effective</i>	100	
12	9:11	<i>Effective</i>	125		12	9:11	<i>Effective</i>	100	
13	9:12	<i>Effective</i>	125		13	9:12	<i>Effective</i>	100	
14	9:13	<i>Effective</i>	125		14	9:13	<i>Effective</i>	100	
15	9:14	<i>Effective</i>	125		15	9:14	<i>Effective</i>	100	
16	9:15	<i>Effective</i>	125		16	9:15	<i>Effective</i>	100	
17	9:16	<i>Effective</i>	125		17	9:16	<i>Effective</i>	100	
18	9:17	<i>Effective</i>	125		18	9:17	<i>Effective</i>	100	
19	9:18	<i>Effective</i>	125		19	9:18	<i>Effective</i>	100	
20	9:19	<i>Effective</i>	125		20	9:19	<i>Effective</i>	100	
21	9:20	<i>Effective</i>	125		21	9:20	<i>Effective</i>	100	
22	9:21	<i>Effective</i>	125		22	9:21	<i>Effective</i>	100	
23	9:22	<i>Effective</i>	125		23	9:22	<i>Effective</i>	100	
24	9:23	<i>Effective</i>	125		24	9:23	<i>Effective</i>	100	
25	9:24	<i>Effective</i>	125		25	9:24	<i>Effective</i>	100	
26	9:25	<i>Effective</i>	125		26	9:25	<i>Effective</i>	100	
27	9:26	<i>Effective</i>	125		27	9:26	<i>Effective</i>	100	
28	9:27	<i>Effective</i>	125		28	9:27	<i>Effective</i>	100	
29	9:28	<i>Effective</i>	125		29	9:28	<i>Effective</i>	100	
30	9:29	<i>Effective</i>	125		30	9:29	<i>Effective</i>	100	
31	9:30	<i>Effective</i>	125		31	9:30	<i>Effective</i>	100	
32	9:31	<i>Effective</i>	125		32	9:31	<i>Effective</i>	100	
33	9:32	<i>Effective</i>	125		33	9:32	<i>Effective</i>	100	
34	9:33	<i>Effective</i>	125		34	9:33	<i>Effective</i>	100	
35	9:34	<i>Effective</i>	125		35	9:34	<i>Effective</i>	100	
36	9:35	<i>Effective</i>	125		36	9:35	<i>Effective</i>	100	
37	9:36	<i>Effective</i>	125		37	9:36	<i>Effective</i>	100	
38	9:37	<i>Effective</i>	125		38	9:37	<i>Effective</i>	100	
39	9:38	<i>Effective</i>	125		39	9:38	<i>Effective</i>	100	
40	9:39	<i>Effective</i>	125		40	9:39	<i>Effective</i>	100	

41	9:40	Effective	125	41	9:40	Effective	100
42	9:41	Effective	125	42	9:41	Effective	100
43	9:42	Effective	125	43	9:42	Effective	100
44	9:43	Effective	125	44	9:43	Effective	100
45	9:44	Effective	125	45	9:44	Effective	100
46	9:45	Effective	125	46	9:45	Effective	100
47	9:46	Effective	125	47	9:46	Effective	100
48	9:47	Effective	125	48	9:47	Effective	100
49	9:48	Effective	125	49	9:48	Effective	100
50	9:49	Effective	125	50	9:49	Effective	100
51	9:50	Effective	125	51	9:50	Effective	100
52	9:51	Effective	125	52	9:51	Effective	100
53	9:52	Effective	125	53	9:52	Effective	100
54	9:53	Effective	125	54	9:53	Effective	100
55	9:54	Effective	125	55	9:54	Effective	100
56	9:55	Effective	125	56	9:55	Effective	100
57	9:56	Effective	125	57	9:56	Effective	100
58	9:57	Effective	125	58	9:57	Effective	100
59	9:58	Effective	125	59	9:58	Effective	100
60	9:59	Effective	125	60	9:59	Effective	100
61	10:00	Effective	125	61	10:00	Effective	100
62	10:01	Effective	125	62	10:01	Effective	100
63	10:02	Effective	125	63	10:02	Effective	100
64	10:03	Effective	125	64	10:03	Effective	100
65	10:04	Effective	125	65	10:04	Effective	100
66	10:05	Effective	125	66	10:05	Effective	100
67	10:06	Effective	125	67	10:06	Effective	100
68	10:07	Effective	125	68	10:07	Effective	100
69	10:08	Effective	125	69	10:08	Effective	100
70	10:09	Effective	125	70	10:09	Effective	100
71	10:10	Ineffective		71	10:10	Effective	100
72	10:11	Ineffective		72	10:11	Effective	100
73	10:12	Ineffective		73	10:12	Effective	100
74	10:13	Ineffective		74	10:13	Effective	100
75	10:14	Ineffective		75	10:14	Effective	100
76	10:15	Effective	125	76	10:15	Effective	100
77	10:16	Effective	125	77	10:16	Effective	100
78	10:17	Effective	125	78	10:17	Effective	100
79	10:18	Effective	125	79	10:18	Effective	100
80	10:19	Effective	125	80	10:19	Effective	100
81	10:20	Effective	125	81	10:20	Effective	100
82	10:21	Effective	125	82	10:21	Effective	100
83	10:22	Effective	125	83	10:22	Effective	100
84	10:23	Effective	125	84	10:23	Effective	100
85	10:24	Effective	125	85	10:24	Effective	100
86	10:25	Effective	125	86	10:25	Effective	100

87	10:26	Effective	125	87	10:26	Effective	100
88	10:27	Ineffective		88	10:27	Effective	100
89	10:28	Ineffective		89	10:28	Effective	100
90	10:29	Effective	125	90	10:29	Effective	100
91	10:30	Effective	125	91	10:30	Effective	100
92	10:31	Effective	125	92	10:31	Effective	100
93	10:32	Effective	125	93	10:32	Ineffective	
94	10:33	Effective	125	94	10:33	Ineffective	
95	10:34	Effective	125	95	10:34	Ineffective	
96	10:35	Effective	125	96	10:35	Effective	100
97	10:36	Effective	125	97	10:36	Effective	100
98	10:37	Effective	125	98	10:37	Effective	100
99	10:38	Effective	125	99	10:38	Effective	100
100	10:39	Effective	125	100	10:39	Effective	100
101	10:40	Effective	125	101	10:40	Effective	100
102	10:41	Effective	125	102	10:41	Effective	100
103	10:42	Effective	125	103	10:42	Effective	100
104	10:43	Effective	125	104	10:43	Effective	100
105	10:44	Effective	125	105	10:44	Effective	100
106	10:45	Effective	125	106	10:45	Effective	100
107	10:46	Effective	125	107	10:46	Effective	100
108	10:47	Effective	125	108	10:47	Effective	100
109	10:48	Effective	125	109	10:48	Effective	100
110	10:49	Effective	125	110	10:49	Effective	100
111	10:50	Effective	125	111	10:50	Effective	100
112	10:51	Effective	125	112	10:51	Effective	100
113	10:52	Effective	125	113	10:52	Effective	100
114	10:53	Effective	125	114	10:53	Effective	100
115	10:54	Effective	125	115	10:54	Effective	100
116	10:55	Ineffective		116	10:55	Effective	100
117	10:56	Ineffective		117	10:56	Effective	100
118	10:57	Ineffective		118	10:57	Effective	100
119	10:58	Ineffective		119	10:58	Effective	100
120	10:59	Ineffective		120	10:59	Effective	100
121	11:00	Ineffective		121	11:00	Effective	100
122	11:01	Ineffective		122	11:01	Effective	100
123	11:02	Ineffective		123	11:02	Effective	100
124	11:03	Ineffective		124	11:03	Effective	100
125	11:04	Ineffective		125	11:04	Effective	100
126	11:05	Ineffective		126	11:05	Effective	100
127	11:06	Ineffective		127	11:06	Effective	100
128	11:07	Ineffective		128	11:07	Effective	100
129	11:08	Ineffective		129	11:08	Effective	100
130	11:09	Ineffective		130	11:09	Effective	100
131				131			
132				132			

133				133			
134				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 work</i>			108	<i>effective work</i>			119
<i>ineffective work</i>			22	<i>ineffective work</i>			11
<i>total time</i>			130	<i>total time</i>			130

RELAXATION ALLOWANCE			
No : 6a	Waktu Mulai : 09.00	Kus = 5.661 m2	
TggI : 30 Mei 2012	Waktu Selesai : 11.10	Sukartijan = 5.041 m2	
PEKERJA			
Kus		Sukartijan	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	3	Konsentrasi	3
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
TOTAL	22	TOTAL	22

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 30 MEI 2012							
Waktu Mulai : 09.00				Waktu Selesai : 11.10			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Kus	<i>effective</i>	108	125	135	22	164,7	5,661
	<i>ineffective</i>	22					
	<i>total</i>	130	125	135			
Sukartijan	<i>effective</i>	119	100	119	22	145,18	5,041
	<i>ineffective</i>	11					
	<i>total</i>	130	100	119			
Rata-rata						154,94	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 30 MEI 2012					
Waktu Mulai : 09.00			Waktu Selesai : 11.10		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Kus	5,661	29,0938	0,4849	14,4361	0,0693
Sukartijan	5,041	28,7998	0,4800	14,5834	0,0686
Rata-rata				14,5097	0,0689

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 6b		Waktu Mulai : 12.51		Giono = 6.3854 m2				
TggL	: 30 Mei 2012		Waktu Selesai : 15.12		= m2				
PEKERJA									
Giono									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	12:51	Effective	75	84	1				
2	12:52	Effective	75		2				
3	12:53	Effective	75		3				
4	12:54	Effective	75		4				
5	12:55	Effective	75		5				
6	12:56	Effective	75		6				
7	12:57	Effective	75		7				
8	12:58	Ineffective			8				
9	12:59	Ineffective			9				
10	13:00	Effective	75		10				
11	13:01	Effective	75		11				
12	13:02	Effective	75		12				
13	13:03	Effective	75		13				
14	13:04	Effective	75		14				
15	13:05	Effective	75		15				
16	13:06	Effective	75		16				
17	13:07	Effective	75		17				
18	13:08	Effective	75		18				
19	13:09	Effective	75		19				
20	13:10	Effective	75		20				
21	13:11	Effective	75		21				
22	13:12	Effective	75		22				
23	13:13	Effective	75		23				
24	13:14	Effective	75		24				
25	13:15	Effective	75		25				
26	13:16	Effective	75		26				
27	13:17	Effective	75		27				
28	13:18	Effective	75		28				
29	13:19	Effective	75		29				
30	13:20	Effective	75		30				
31	13:21	Effective	75		31				
32	13:22	Effective	75		32				
33	13:23	Effective	75		33				
34	13:24	Effective	75		34				
35	13:25	Effective	75		35				
36	13:26	Effective	75		36				
37	13:27	Effective	75		37				
38	13:28	Ineffective			38				
39	13:29	Ineffective			39				

40	13:30	Ineffective		40			
41	13:31	Ineffective		41			
42	13:32	Ineffective		42			
43	13:33	Ineffective		43			
44	13:34	Ineffective		44			
45	13:35	Ineffective		45			
46	13:36	Ineffective		46			
47	13:37	Ineffective		47			
48	13:38	Ineffective		48			
49	13:39	Ineffective		49			
50	13:40	Ineffective		50			
51	13:41	Ineffective		51			
52	13:42	Ineffective		52			
53	13:43	Ineffective		53			
54	13:44	Effective	75	54			
55	13:45	Effective	75	55			
56	13:46	Effective	75	56			
57	13:47	Effective	75	57			
58	13:48	Effective	75	58			
59	13:49	Effective	75	59			
60	13:50	Effective	75	60			
61	13:51	Effective	75	61			
62	13:52	Effective	75	62			
63	13:53	Effective	75	63			
64	13:54	Effective	75	64			
65	13:55	Effective	75	65			
66	13:56	Effective	75	66			
67	13:57	Effective	75	67			
68	13:58	Effective	75	68			
69	13:59	Effective	75	69			
70	14:00	Ineffective		70			
71	14:01	Ineffective		71			
72	14:02	Ineffective		72			
73	14:03	Effective	75	73			
74	14:04	Effective	75	74			
75	14:05	Effective	75	75			
76	14:06	Effective	75	76			
77	14:07	Effective	75	77			
78	14:08	Effective	75	78			
79	14:09	Effective	75	79			
80	14:10	Effective	75	80			
81	14:11	Effective	75	81			
82	14:12	Effective	75	82			
83	14:13	Effective	75	83			
84	14:14	Effective	75	84			
85	14:15	Effective	75	85			

86	14:16	Effective	75		86				
87	14:17	Effective	75		87				
88	14:18	Effective	75		88				
89	14:19	Effective	75		89				
90	14:20	Effective	75		90				
91	14:21	Effective	75		91				
92	14:22	Effective	75		92				
93	14:23	Effective	75		93				
94	14:24	Effective	75		94				
95	14:25	Effective	75		95				
96	14:26	Effective	75		96				
97	14:27	Effective	75		97				
98	14:28	Effective	75		98				
99	14:29	Effective	75		99				
100	14:30	Effective	75		100				
101	14:31	Effective	75		101				
102	14:32	Effective	75		102				
103	14:33	Effective	75		103				
104	14:34	Effective	75		104				
105	14:35	Effective	75		105				
106	14:36	Effective	75		106				
107	14:37	Effective	75		107				
108	14:38	Effective	75		108				
109	14:39	Effective	75		109				
110	14:40	Effective	75		110				
111	14:41	Effective	75		111				
112	14:42	Effective	75		112				
113	14:43	Effective	75		113				
114	14:44	Ineffective			114				
115	14:45	Ineffective			115				
116	14:46	Ineffective			116				
117	14:47	Ineffective			117				
118	14:48	Ineffective			118				
119	14:49	Ineffective			119				
120	14:50	Ineffective			120				
121	14:51	Ineffective			121				
122	14:52	Effective	75		122				
123	14:53	Effective	75		123				
124	14:54	Effective	75		124				
125	14:55	Effective	75		125				
126	14:56	Effective	75		126				
127	14:57	Effective	75		127				
128	14:58	Ineffective			128				
129	14:59	Effective	75		129				
130	15:00	Effective	75		130				
131	15:01	Effective	75		131				

132	15:02	Effective	75	132			
133	15:03	Effective	75	133			
134	15:04	Effective	75	134			
135	15:05	Effective	75	135			
136	15:06	Effective	75	136			
137	15:07	Effective	75	137			
138	15:08	Effective	75	138			
139	15:09	Effective	75	139			
140	15:10	Effective	75	140			
141	15:11	Effective	75	141			
142	15:12	Effective	75	142			
143				143			
144				144			
145				145			
146				146			
147				147			
148				148			
149				149			
150				150			
<i>effective work</i>			112	<i>effective work</i>			
<i>ineffective work</i>			30	<i>ineffective work</i>			
<i>total time</i>			142	<i>total time</i>			

RELAXATION ALLOWANCE			
No : 6b	Waktu Mulai : 12.51		Giono = 6.3854 m2
TggI : 30 Mei 2012	Waktu Selesai : 15.12		= m2
PEKERJA			
Giono			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	1	Konsentrasi	
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	
Kebisingan	1	Kebisingan	
Suhu	0	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	20	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 30 MEI 2012							
Waktu Mulai : 12.51				Waktu Selesai : 15.12			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Giono	<i>effective</i>	112	75	84	20	100,8	6,3854
	<i>ineffective</i>	30					
	<i>total</i>	142	75	84			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						100,8	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 30 MEI 2012					
Waktu Mulai : 12.51			Waktu Selesai : 15.12		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Giono	6,3854	15,7860	0,2631	26,6058	0,0376
Rata-rata				26,6058	0,0376

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 7b	Waktu Mulai : 13.00			Sukartijan = 2.5652 m2				
TggL	: 31 Mei 2012	Waktu Selesai : 15.09			= m2				
PEKERJA									
Sukartijan									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	13:00	Effective	100	84	1				
2	13:01	Effective	100		2				
3	13:02	Effective	100		3				
4	13:03	Effective	100		4				
5	13:04	Effective	100		5				
6	13:05	Effective	100		6				
7	13:06	Effective	100		7				
8	13:07	Effective	100		8				
9	13:08	Effective	100		9				
10	13:09	Effective	100		10				
11	13:10	Effective	100		11				
12	13:11	Effective	100		12				
13	13:12	Effective	100		13				
14	13:13	Effective	100		14				
15	13:14	Effective	100		15				
16	13:15	Effective	100		16				
17	13:16	Effective	100		17				
18	13:17	Effective	100		18				
19	13:18	Effective	100		19				
20	13:19	Effective	100		20				
21	13:20	Effective	100		21				
22	13:21	Effective	100		22				
23	13:22	Effective	100		23				
24	13:23	Effective	100		24				
25	13:24	Effective	100		25				
26	13:25	Effective	100		26				
27	13:26	Effective	100		27				
28	13:27	Effective	100		28				
29	13:28	Effective	100		29				
30	13:29	Effective	100		30				
31	13:30	Effective	100		31				
32	13:31	Effective	100		32				
33	13:32	Effective	100		33				
34	13:33	Effective	100		34				
35	13:34	Effective	100		35				
36	13:35	Effective	100		36				
37	13:36	Effective	100		37				
38	13:37	Effective	100		38				
39	13:38	Effective	100		39				

40	13:39	Effective	100		40				
41	13:40	Effective	100		41				
42	13:41	Effective	100		42				
43	13:42	Effective	100		43				
44	13:43	Effective	100		44				
45	13:44	Effective	100		45				
46	13:45	Effective	100		46				
47	13:46	Effective	100		47				
48	13:47	Effective	100		48				
49	13:48	Effective	100		49				
50	13:49	Effective	100		50				
51	13:50	Effective	100		51				
52	13:51	Effective	100		52				
53	13:52	Effective	100		53				
54	13:53	Effective	100		54				
55	13:54	Effective	100		55				
56	13:55	Effective	100		56				
57	13:56	Effective	100		57				
58	13:57	Ineffective			58				
59	13:58	Ineffective			59				
60	13:59	Ineffective			60				
61	14:00	Ineffective			61				
62	14:01	Ineffective			62				
63	14:02	Ineffective			63				
64	14:03	Ineffective			64				
65	14:04	Ineffective			65				
66	14:05	Ineffective			66				
67	14:06	Ineffective			67				
68	14:07	Ineffective			68				
69	14:08	Ineffective			69				
70	14:09	Ineffective			70				
71	14:10	Ineffective			71				
72	14:11	Ineffective			72				
73	14:12	Ineffective			73				
74	14:13	Ineffective			74				
75	14:14	Ineffective			75				
76	14:15	Ineffective			76				
77	14:16	Ineffective			77				
78	14:17	Ineffective			78				
79	14:18	Ineffective			79				
80	14:19	Ineffective			80				
81	14:20	Ineffective			81				
82	14:21	Effective	100		82				
83	14:22	Effective	100		83				
84	14:23	Effective	100		84				
85	14:24	Effective	100		85				

86	14:25	Effective	100		86				
87	14:26	Effective	100		87				
88	14:27	Effective	100		88				
89	14:28	Effective	100		89				
90	14:29	Effective	100		90				
91	14:30	Effective	100		91				
92	14:31	Ineffective			92				
93	14:32	Ineffective			93				
94	14:33	Ineffective			94				
95	14:34	Ineffective			95				
96	14:35	Ineffective			96				
97	14:36	Effective	100		97				
98	14:37	Effective	100		98				
99	14:38	Effective	100		99				
100	14:39	Effective	100		100				
101	14:40	Effective	100		101				
102	14:41	Effective	100		102				
103	14:42	Effective	100		103				
104	14:43	Effective	100		104				
105	14:44	Effective	100		105				
106	14:45	Effective	100		106				
107	14:46	Effective	100		107				
108	14:47	Effective	100		108				
109	14:48	Effective	100		109				
110	14:49	Effective	100		110				
111	14:50	Effective	100		111				
112	14:51	Effective	100		112				
113	14:52	Effective	100		113				
114	14:53	Ineffective			114				
115	14:54	Ineffective			115				
116	14:55	Ineffective			116				
117	14:56	Ineffective			117				
118	14:57	Ineffective			118				
119	14:58	Ineffective			119				
120	14:59	Ineffective			120				
121	15:00	Ineffective			121				
122	15:01	Ineffective			122				
123	15:02	Ineffective			123				
124	15:03	Ineffective			124				
125	15:04	Ineffective			125				
126	15:05	Ineffective			126				
127	15:06	Ineffective			127				
128	15:07	Ineffective			128				
129	15:08	Ineffective			129				
130	15:09	Ineffective			130				
131					131				

132				132			
133				133			
134				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 work</i>			84	<i>effective work</i>			
<i>ineffective work</i>			46	<i>ineffective work</i>			
<i>total time</i>			130	<i>total time</i>			

RELAXATION ALLOWANCE			
No : 7b	Waktu Mulai : 13.00	Sukartijan = 2.5652 m2	
TggI : 31 Mei 2012	Waktu Selesai : 15.09	= m2	
PEKERJA			
Sukartijan			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	1	Konsentrasi	
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	
Kebisingan	2	Kebisingan	
Suhu	0	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	21	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 31 MEI 2012							
Waktu Mulai : 13.00				Waktu Selesai : 15.09			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Sukartijan	<i>effective</i>	84	100	84	21	101,64	2,5652
	<i>ineffective</i>	46					
	<i>total</i>	130	100	84			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						101,64	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 31 MEI 2012					
Waktu Mulai : 13.00			Waktu Selesai : 15.09		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Sukartijan	2,5652	39,6226	0,6604	10,6000	0,0943
Rata-rata				10,6000	0,0943

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	8a	Waktu Mulai : 10.00			Sukartijan = 4.2424 m2				
TggL	: 1 Juni 2012	Waktu Selesai : 12.06			= m2				
PEKERJA									
Sukartijan									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	10:00	Effective	100	78	1		Effective		
2	10:01	Effective	100		2				
3	10:02	Effective	100		3				
4	10:03	Effective	100		4				
5	10:04	Effective	100		5				
6	10:05	Effective	100		6				
7	10:06	Effective	100		7				
8	10:07	Effective	100		8				
9	10:08	Effective	100		9				
10	10:09	Effective	100		10				
11	10:10	Effective	100		11				
12	10:11	Effective	100		12				
13	10:12	Effective	100		13				
14	10:13	Effective	100		14				
15	10:14	Effective	100		15				
16	10:15	Effective	100		16				
17	10:16	Effective	100		17				
18	10:17	Effective	100		18				
19	10:18	Effective	100		19				
20	10:19	Effective	100		20				
21	10:20	Effective	100		21				
22	10:21	Effective	100		22				
23	10:22	Effective	100		23				
24	10:23	Effective	100		24				
25	10:24	Effective	100		25				
26	10:25	Effective	100		26				
27	10:26	Effective	100		27				
28	10:27	Effective	100		28				
29	10:28	Effective	100		29				
30	10:29	Effective	100		30				
31	10:30	Effective	100		31				
32	10:31	Effective	100		32				
33	10:32	Effective	100		33				
34	10:33	Effective	100		34				
35	10:34	Effective	100		35				
36	10:35	Effective	100		36				
37	10:36	Effective	100		37				
38	10:37	Effective	100		38				
39	10:38	Effective	100		39				

40	10:39	<i>Effective</i>	100	40			
41	10:40	<i>Effective</i>	100	41			
42	10:41	<i>Effective</i>	100	42			
43	10:42	<i>Effective</i>	100	43			
44	10:43	<i>Effective</i>	100	44			
45	10:44	<i>Effective</i>	100	45			
46	10:45	<i>Effective</i>	100	46			
47	10:46	<i>Effective</i>	100	47			
48	10:47	<i>Effective</i>	100	48			
49	10:48	<i>Effective</i>	100	49			
50	10:49	<i>Effective</i>	100	50			
51	10:50	<i>Effective</i>	100	51			
52	10:51	<i>Effective</i>	100	52			
53	10:52	<i>Effective</i>	100	53			
54	10:53	<i>Effective</i>	100	54			
55	10:54	<i>Ineffective</i>		55			
56	10:55	<i>Ineffective</i>		56			
57	10:56	<i>Ineffective</i>		57			
58	10:57	<i>Ineffective</i>		58			
59	10:58	<i>Ineffective</i>		59			
60	10:59	<i>Ineffective</i>		60			
61	11:00	<i>Ineffective</i>		61			
62	11:01	<i>Effective</i>	100	62			
63	11:02	<i>Effective</i>	100	63			
64	11:03	<i>Effective</i>	100	64			
65	11:04	<i>Effective</i>	100	65			
66	11:05	<i>Ineffective</i>		66			
67	11:06	<i>Ineffective</i>		67			
68	11:07	<i>Ineffective</i>		68			
69	11:08	<i>Ineffective</i>		69			
70	11:09	<i>Ineffective</i>		70			
71	11:10	<i>Ineffective</i>		71			
72	11:11	<i>Ineffective</i>		72			
73	11:12	<i>Ineffective</i>		73			
74	11:13	<i>Ineffective</i>		74			
75	11:14	<i>Ineffective</i>		75			
76	11:15	<i>Ineffective</i>		76			
77	11:16	<i>Ineffective</i>		77			
78	11:17	<i>Ineffective</i>		78			
79	11:18	<i>Ineffective</i>		79			
80	11:19	<i>Ineffective</i>		80			
81	11:20	<i>Ineffective</i>		81			
82	11:21	<i>Ineffective</i>		82			
83	11:22	<i>Effective</i>	100	83			
84	11:23	<i>Effective</i>	100	84			
85	11:24	<i>Effective</i>	100	85			

86	11:25	Effective	100	86			
87	11:26	Effective	100	87			
88	11:27	Effective	100	88			
89	11:28	Effective	100	89			
90	11:29	Effective	100	90			
91	11:30	Effective	100	91			
92	11:31	Effective	100	92			
93	11:32	Effective	100	93			
94	11:33	Effective	100	94			
95	11:34	Effective	100	95			
96	11:35	Effective	100	96			
97	11:36	Effective	100	97			
98	11:37	Effective	100	98			
99	11:38	Effective	100	99			
100	11:39	Effective	100	100			
101	11:40	Effective	100	101			
102	11:41	Effective	100	102			
103	11:42	Ineffective		103			
104	11:43	Ineffective		104			
105	11:44	Ineffective		105			
106	11:45	Ineffective		106			
107	11:46	Ineffective		107			
108	11:47	Ineffective		108			
109	11:48	Ineffective		109			
110	11:49	Ineffective		110			
111	11:50	Ineffective		111			
112	11:51	Ineffective		112			
113	11:52	Ineffective		113			
114	11:53	Ineffective		114			
115	11:54	Ineffective		115			
116	11:55	Ineffective		116			
117	11:56	Ineffective		117			
118	11:57	Ineffective		118			
119	11:58	Ineffective		119			
120	11:59	Ineffective		120			
121	12:00	Ineffective		121			
122	12:01	Ineffective		122			
123	12:02	Ineffective		123			
124	12:03	Ineffective		124			
125	12:04	Ineffective		125			
126	12:05	Ineffective		126			
127	12:06	Ineffective		127			
128				128			
129				129			
130				130			
131				131			

132				132			
133				133			
134				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 work</i>			78	<i>effective work</i>			
<i>ineffective work</i>			49	<i>ineffective work</i>			
<i>total time</i>			127	<i>total time</i>			

RELAXATION ALLOWANCE			
No : 8a	Waktu Mulai : 10.00	Sukartijan = 4.2424 m2	
Tggl : 1 Juni 2012	Waktu Selesai : 12.06	= m2	
PEKERJA			
Sukartijan			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	3	Konsentrasi	
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	
Kebisingan	2	Kebisingan	
Suhu	0	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	22	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 1 JUNI 2012							
Waktu Mulai : 10.00				Waktu Selesai : 12.06			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Sukartijan	<i>effective</i>	78	100	78	22	95,16	4,2424
	<i>ineffective</i>	49					
	<i>total</i>	127	100	78			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						95,16	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 1 JUNI 2012					
Waktu Mulai : 10.00			Waktu Selesai : 12.06		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Sukartijan	4,2424	22,4307	0,3738	18,7243	0,0534
Rata-rata				18,7243	0,0534

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 8b	Waktu Mulai	: 12.56	Sukartijan = 2.5219					
TggL	: 1 Juni 2012	Waktu Selesai	: 15.05	m2					
PEKERJA									
Sukartijan									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	12:56	Effective	100	56	1		Effective		
2	12:57	Effective	100		2				
3	12:58	Effective	100		3				
4	12:59	Effective	100		4				
5	13:00	Effective	100		5				
6	13:01	Effective	100		6				
7	13:02	Effective	100		7				
8	13:03	Effective	100		8				
9	13:04	Effective	100		9				
10	13:05	Effective	100		10				
11	13:06	Effective	100		11				
12	13:07	Effective	100		12				
13	13:08	Effective	100		13				
14	13:09	Effective	100		14				
15	13:10	Effective	100		15				
16	13:11	Effective	100		16				
17	13:12	Effective	100		17				
18	13:13	Effective	100		18				
19	13:14	Effective	100		19				
20	13:15	Effective	100		20				
21	13:16	Effective	100		21				
22	13:17	Ineffective			22				
23	13:18	Ineffective			23				
24	13:19	Ineffective			24				
25	13:20	Ineffective			25				
26	13:21	Ineffective			26				
27	13:22	Ineffective			27				
28	13:23	Ineffective			28				
29	13:24	Ineffective			29				
30	13:25	Ineffective			30				
31	13:26	Ineffective			31				
32	13:27	Ineffective			32				
33	13:28	Ineffective			33				
34	13:29	Ineffective			34				
35	13:30	Ineffective			35				
36	13:31	Ineffective			36				
37	13:32	Ineffective			37				
38	13:33	Ineffective			38				
39	13:34	Ineffective			39				

40	13:35	<i>Ineffective</i>		40				
41	13:36	<i>Ineffective</i>		41				
42	13:37	<i>Ineffective</i>		42				
43	13:38	<i>Ineffective</i>		43				
44	13:39	<i>Ineffective</i>		44				
45	13:40	<i>Ineffective</i>		45				
46	13:41	<i>Ineffective</i>		46				
47	13:42	<i>Ineffective</i>		47				
48	13:43	<i>Ineffective</i>		48				
49	13:44	<i>Ineffective</i>		49				
50	13:45	<i>Ineffective</i>		50				
51	13:46	<i>Ineffective</i>		51				
52	13:47	<i>Ineffective</i>		52				
53	13:48	<i>Ineffective</i>		53				
54	13:49	<i>Ineffective</i>		54				
55	13:50	<i>Ineffective</i>		55				
56	13:51	<i>Ineffective</i>		56				
57	13:52	<i>Ineffective</i>		57				
58	13:53	<i>Ineffective</i>		58				
59	13:54	<i>Ineffective</i>		59				
60	13:55	<i>Ineffective</i>		60				
61	13:56	<i>Ineffective</i>		61				
62	13:57	<i>Ineffective</i>		62				
63	13:58	<i>Ineffective</i>		63				
64	13:59	<i>Ineffective</i>		64				
65	14:00	<i>Ineffective</i>		65				
66	14:01	<i>Ineffective</i>		66				
67	14:02	<i>Ineffective</i>		67				
68	14:03	<i>Ineffective</i>		68				
69	14:04	<i>Ineffective</i>		69				
70	14:05	<i>Ineffective</i>		70				
71	14:06	<i>Ineffective</i>		71				
72	14:07	<i>Ineffective</i>		72				
73	14:08	<i>Ineffective</i>		73				
74	14:09	<i>Ineffective</i>		74				
75	14:10	<i>Ineffective</i>		75				
76	14:11	<i>Ineffective</i>		76				
77	14:12	<i>Ineffective</i>		77				
78	14:13	<i>Ineffective</i>		78				
79	14:14	<i>Ineffective</i>		79				
80	14:15	<i>Ineffective</i>		80				
81	14:16	<i>Ineffective</i>		81				
82	14:17	<i>Ineffective</i>		82				
83	14:18	<i>Ineffective</i>		83				
84	14:19	<i>Ineffective</i>		84				
85	14:20	<i>Ineffective</i>		85				

86	14:21	Ineffective		86			
87	14:22	Ineffective		87			
88	14:23	Ineffective		88			
89	14:24	Ineffective		89			
90	14:25	Ineffective		90			
91	14:26	Ineffective		91			
92	14:27	Ineffective		92			
93	14:28	Effective	100	93			
94	14:29	Effective	100	94			
95	14:30	Effective	100	95			
96	14:31	Effective	100	96			
97	14:32	Effective	100	97			
98	14:33	Effective	100	98			
99	14:34	Effective	100	99			
100	14:35	Effective	100	100			
101	14:36	Effective	100	101			
102	14:37	Effective	100	102			
103	14:38	Effective	100	103			
104	14:39	Effective	100	104			
105	14:40	Effective	100	105			
106	14:41	Effective	100	106			
107	14:42	Effective	100	107			
108	14:43	Effective	100	108			
109	14:44	Effective	100	109			
110	14:45	Effective	100	110			
111	14:46	Effective	100	111			
112	14:47	Effective	100	112			
113	14:48	Effective	100	113			
114	14:49	Effective	100	114			
115	14:50	Effective	100	115			
116	14:51	Effective	100	116			
117	14:52	Effective	100	117			
118	14:53	Effective	100	118			
119	14:54	Effective	100	119			
120	14:55	Effective	100	120			
121	14:56	Effective	100	121			
122	14:57	Effective	100	122			
123	14:58	Effective	100	123			
124	14:59	Ineffective		124			
125	15:00	Ineffective		125			
126	15:01	Ineffective		126			
127	15:02	Effective	100	127			
128	15:03	Effective	100	128			
129	15:04	Effective	100	129			
130	15:05	Effective	100	130			
131				131			

132				132			
133				133			
134				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 work</i>		56		<i>effective work</i>			
<i>ineffective work</i>		74		<i>ineffective work</i>			
<i>total time</i>		130		<i>total time</i>			

RELAXATION ALLOWANCE			
No : 8b	Waktu Mulai : 12.56	Sukartijan = 2.5219 m2	
Tggl : 1 Juni 2012	Waktu Selesai : 15.05	= m2	
PEKERJA			
Sukartijan			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	1	Konsentrasi	
Lingkungan, Pencahayaan	1	Lingkungan, Pencahayaan	
Kebisingan	1	Kebisingan	
Suhu	0	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	20	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 1 JUNI 2012							
Waktu Mulai : 12.56				Waktu Selesai : 15.05			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Sukartijan	<i>effective</i>	56	100	56	20	67,2	2,5219
	<i>ineffective</i>	74					
	<i>total</i>	130	100	56			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						67,2	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 1 JUNI 2012					
Waktu Mulai : 12.56			Waktu Selesai : 15.05		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Sukartijan	2,5219	26,6466	0,4441	15,7619	0,0634
Rata-rata				15,7619	0,0634

**TOTAL VOUME PEKERJA PADA PEKERJAAN PASANGAN BATA RINGAN
PROYEK PEMBANGUNAN RUKO USAHA PERDAGANGAN (m2)**

HARI	1		2		3		4		5		6		7		8		JUMLAH (m2)
PAGI	8,3 94	7,24 96	4,96 8	5,58 3	7,2 89	6,33 6,33	5,2 161	6,68 4	3,8 38	5,16 96	5,66 1	5,04 1			4,24 24		75,665
SIANG			4,06 5	4,93 4	6,1 12	3,64 41	4,8 47	4,59 39	4,0 071	2,08 24	6,38 54		2,56 52		2,52 19		45,7578
																	121,4228

Analisis Harga Satuan Proyek Pembangunan Ruko Usaha Perdagangan

NO	Pekerjaan	Koefisien	Satuan	Harga Satuan (Rp)	Jumlah Harga (Rp)
1	1 m² Pasangan Dinding 1 Bata, 1 PC : 8 Ps				
	Bata Ringan (dlm buah)	8,5	buah	6720	57120
	Semen PC (dlm kg)	37	kg	1350	50000
	Pasir Pasang (dlm m3)	0,1778	m3	145000	25778
	Pekerja (dlm orang)	0,0568	orang	40000	2272
				Bahan	
				Upah	
				Jumlah	135170

LAMPIRAN
DATA PROYEK PERUMAHAN KAMPUNG AMBARUKMO 3

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 1a	Waktu Mulai : 08.43			Herman = 2.821 m2				
TggL	: 13 Juni 2012	Waktu Selesai : 11.12			= m2				
PEKERJA									
Herman									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	8:43	<i>Effective</i>	75	88,5	1				
2	8:44	<i>Effective</i>	75		2				
3	8:45	<i>Effective</i>	75		3				
4	8:46	<i>Effective</i>	75		4				
5	8:47	<i>Effective</i>	75		5				
6	8:48	<i>Effective</i>	75		6				
7	8:49	<i>Effective</i>	75		7				
8	8:50	<i>Effective</i>	75		8				
9	8:51	<i>Effective</i>	75		9				
10	8:52	<i>Ineffective</i>			10				
11	8:53	<i>Ineffective</i>			11				
12	8:54	<i>Ineffective</i>			12				
13	8:55	<i>Effective</i>	75		13				
14	8:56	<i>Effective</i>	75		14				
15	8:57	<i>Effective</i>	75		15				
16	8:58	<i>Effective</i>	75		16				
17	8:59	<i>Effective</i>	75		17				
18	9:00	<i>Effective</i>	75		18				
19	9:01	<i>Effective</i>	75		19				
20	9:02	<i>Effective</i>	75		20				
21	9:03	<i>Effective</i>	75		21				
22	9:04	<i>Effective</i>	75		22				
23	9:05	<i>Effective</i>	75		23				
24	9:06	<i>Effective</i>	75		24				
25	9:07	<i>Effective</i>	75		25				
26	9:08	<i>Effective</i>	75		26				
27	9:09	<i>Effective</i>	75		27				
28	9:10	<i>Effective</i>	75		28				
29	9:11	<i>Effective</i>	75		29				
30	9:12	<i>Effective</i>	75		30				
31	9:13	<i>Effective</i>	75		31				
32	9:14	<i>Effective</i>	75		32				
33	9:15	<i>Effective</i>	75		33				
34	9:16	<i>Effective</i>	75		34				
35	9:17	<i>Effective</i>	75		35				
36	9:18	<i>Effective</i>	75		36				
37	9:19	<i>Effective</i>	75		37				

38	9:20	Effective	75		38				
39	9:21	Effective	75		39				
40	9:22	Effective	75		40				
41	9:23	Effective	75		41				
42	9:24	Effective	75		42				
43	9:25	Effective	75		43				
44	9:26	Effective	75		44				
45	9:27	Effective	75		45				
46	9:28	Effective	75		46				
47	9:29	Effective	75		47				
48	9:30	Effective	75		48				
49	9:31	Effective	75		49				
50	9:32	Effective	75		50				
51	9:33	Effective	75		51				
52	9:34	Effective	75		52				
53	9:35	Ineffective			53				
54	9:36	Ineffective			54				
55	9:37	Ineffective			55				
56	9:38	Ineffective			56				
57	9:39	Effective	75		57				
58	9:40	Effective	75		58				
59	9:41	Effective	75		59				
60	9:42	Effective	75		60				
61	9:43	Effective	75		61				
62	9:44	Effective	75		62				
63	9:45	Effective	75		63				
64	9:46	Effective	75		64				
65	9:47	Effective	75		65				
66	9:48	Effective	75		66				
67	9:49	Effective	75		67				
68	9:50	Effective	75		68				
69	9:51	Ineffective			69				
70	9:52	Ineffective			70				
71	9:53	Ineffective			71				
72	9:54	Ineffective			72				
73	9:55	Ineffective			73				
74	9:56	Ineffective			74				
75	9:57	Ineffective			75				
76	9:58	Ineffective			76				
77	9:59	Ineffective			77				
78	10:00	Ineffective			78				
79	10:01	Ineffective			79				
80	10:02	Ineffective			80				
81	10:03	Ineffective			81				
82	10:04	Ineffective			82				
83	10:05	Ineffective			83				

84	10:06	Ineffective			84				
85	10:07	Ineffective			85				
86	10:08	Ineffective			86				
87	10:09	Ineffective			87				
88	10:10	Ineffective			88				
89	10:11	Ineffective			89				
90	10:12	Ineffective			90				
91	10:13	Effective	75		91				
92	10:14	Effective	75		92				
93	10:15	Effective	75		93				
94	10:16	Effective	75		94				
95	10:17	Effective	75		95				
96	10:18	Effective	75		96				
97	10:19	Effective	75		97				
98	10:20	Effective	75		98				
99	10:21	Effective	75		99				
100	10:22	Effective	75		100				
101	10:23	Effective	75		101				
102	10:24	Effective	75		102				
103	10:25	Effective	75		103				
104	10:26	Effective	75		104				
105	10:27	Effective	75		105				
106	10:28	Effective	75		106				
107	10:29	Effective	75		107				
108	10:30	Effective	75		108				
109	10:31	Effective	75		109				
110	10:32	Effective	75		110				
111	10:33	Effective	75		111				
112	10:34	Effective	75		112				
113	10:35	Effective	75		113				
114	10:36	Effective	75		114				
115	10:37	Effective	75		115				
116	10:38	Effective	75		116				
117	10:39	Effective	75		117				
118	10:40	Effective	75		118				
119	10:41	Effective	75		119				
120	10:42	Effective	75		120				
121	10:43	Effective	75		121				
122	10:44	Ineffective			122				
123	10:45	Ineffective			123				
124	10:46	Ineffective			124				
125	10:47	Effective	75		125				
126	10:48	Effective	75		126				
127	10:49	Effective	75		127				
128	10:50	Effective	75		128				
129	10:51	Effective	75		129				

130	10:52	Effective	75		130				
131	10:53	Effective	75		131				
132	10:54	Effective	75		132				
133	10:55	Effective	75		133				
134	10:56	Effective	75		134				
135	10:57	Effective	75		135				
136	10:58	Effective	75		136				
137	10:59	Effective	75		137				
138	11:00	Effective	75		138				
139	11:01	Effective	75		139				
140	11:02	Effective	75		140				
141	11:03	Effective	75		141				
142	11:04	Effective	75		142				
143	11:05	Effective	75		143				
144	11:06	Effective	75		144				
145	11:07	Effective	75		145				
146	11:08	Effective	75		146				
147	11:09	Effective	75		147				
148	11:10	Effective	75		148				
149	11:11	Effective	75		149				
150	11:12	Effective	75		150				
			effective work	118	effective work				
			ineffective work	32	ineffective work				
			total time	150	total time				

RELAXATION ALLOWANCE			
No : 1a	Waktu Mulai : 08.43	Herman = 2.821 m ²	
Tgg! : 13 Juni 2012	Waktu Selesai : 11.12	= m ²	
PEKERJA			
Herman			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	1	Konsentrasi	
Lingkungan, Pencahayaan	2	Lingkungan, Pencahayaan	
Kebisingan	1	Kebisingan	
Suhu	10	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	31	TOTAL	

PEKERJAAN PASANGAN BATA RINGAN TANGGAL 13 JUNI 2012							
Waktu Mulai : 08.43				Waktu Selesai : 11.12			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Herman	<i>effective</i>	118	75	88,5	31	115,935	2,821
	<i>ineffective</i>	32					
	<i>total</i>	150	75	88,5			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						115,935	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 13 JUNI 2012					
Waktu Mulai : 08.43			Waktu Selesai : 11.12		
Nama Pekerja	Volume (m ²)	Manminute (manminute/m ²)	Manhour (manhour/m ²)	Produktivitas (m ² /org/hari)	Koef (OH)
Herman	2,821	41,0971	0,6850	10,2197	0,0979
Rata-rata				10,2197	0,0979

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 1b	Waktu Mulai : 13.06			Herman = 2.385 m2				
TggL	: 13 Juni 2012	Waktu Selesai : 15.25			= m2				
PEKERJA									
Herman									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	13:06	Effective	75	93	1				
2	13:07	Effective	75		2				
3	13:08	Effective	75		3				
4	13:09	Effective	75		4				
5	13:10	Effective	75		5				
6	13:11	Effective	75		6				
7	13:12	Effective	75		7				
8	13:13	Effective	75		8				
9	13:14	Effective	75		9				
10	13:15	Effective	75		10				
11	13:16	Effective	75		11				
12	13:17	Effective	75		12				
13	13:18	Effective	75		13				
14	13:19	Effective	75		14				
15	13:20	Effective	75		15				
16	13:21	Effective	75		16				
17	13:22	Effective	75		17				
18	13:23	Effective	75		18				
19	13:24	Effective	75		19				
20	13:25	Effective	75		20				
21	13:26	Effective	75		21				
22	13:27	Ineffective			22				
23	13:28	Ineffective			23				
24	13:29	Ineffective			24				
25	13:30	Effective	75		25				
26	13:31	Effective	75		26				
27	13:32	Effective	75		27				
28	13:33	Effective	75		28				
29	13:34	Effective	75		29				
30	13:35	Effective	75		30				
31	13:36	Effective	75		31				
32	13:37	Effective	75		32				
33	13:38	Effective	75		33				
34	13:39	Effective	75		34				
35	13:40	Effective	75		35				
36	13:41	Effective	75		36				
37	13:42	Effective	75		37				

38	13:43	Effective	75		38				
39	13:44	Effective	75		39				
40	13:45	Effective	75		40				
41	13:46	Effective	75		41				
42	13:47	Effective	75		42				
43	13:48	Effective	75		43				
44	13:49	Effective	75		44				
45	13:50	Effective	75		45				
46	13:51	Effective	75		46				
47	13:52	Effective	75		47				
48	13:53	Effective	75		48				
49	13:54	Effective	75		49				
50	13:55	Effective	75		50				
51	13:56	Effective	75		51				
52	13:57	Effective	75		52				
53	13:58	Effective	75		53				
54	13:59	Effective	75		54				
55	14:00	Effective	75		55				
56	14:01	Effective	75		56				
57	14:02	Effective	75		57				
58	14:03	Effective	75		58				
59	14:04	Effective	75		59				
60	14:05	Effective	75		60				
61	14:06	Effective	75		61				
62	14:07	Ineffective			62				
63	14:08	Ineffective			63				
64	14:09	Ineffective			64				
65	14:10	Ineffective			65				
66	14:11	Ineffective			66				
67	14:12	Ineffective			67				
68	14:13	Ineffective			68				
69	14:14	Ineffective			69				
70	14:15	Ineffective			70				
71	14:16	Ineffective			71				
72	14:17	Effective	75		72				
73	14:18	Effective	75		73				
74	14:19	Effective	75		74				
75	14:20	Effective	75		75				
76	14:21	Effective	75		76				
77	14:22	Effective	75		77				
78	14:23	Effective	75		78				
79	14:24	Effective	75		79				
80	14:25	Effective	75		80				
81	14:26	Effective	75		81				
82	14:27	Effective	75		82				
83	14:28	Effective	75		83				

84	14:29	Effective	75		84				
85	14:30	Effective	75		85				
86	14:31	Effective	75		86				
87	14:32	Effective	75		87				
88	14:33	Effective	75		88				
89	14:34	Effective	75		89				
90	14:35	Effective	75		90				
91	14:36	Effective	75		91				
92	14:37	Effective	75		92				
93	14:38	Effective	75		93				
94	14:39	Effective	75		94				
95	14:40	Effective	75		95				
96	14:41	Effective	75		96				
97	14:42	Effective	75		97				
98	14:43	Effective	75		98				
99	14:44	Effective	75		99				
100	14:45	Effective	75		100				
101	14:46	Effective	75		101				
102	14:47	Effective	75		102				
103	14:48	Effective	75		103				
104	14:49	Effective	75		104				
105	14:50	Effective	75		105				
106	14:51	Effective	75		106				
107	14:52	Effective	75		107				
108	14:53	Ineffective			108				
109	14:54	Ineffective			109				
110	14:55	Ineffective			110				
111	14:56	Effective	75		111				
112	14:57	Effective	75		112				
113	14:58	Effective	75		113				
114	14:59	Effective	75		114				
115	15:00	Effective	75		115				
116	15:01	Effective	75		116				
117	15:02	Effective	75		117				
118	15:03	Effective	75		118				
119	15:04	Effective	75		119				
120	15:05	Effective	75		120				
121	15:06	Effective	75		121				
122	15:07	Effective	75		122				
123	15:08	Effective	75		123				
124	15:09	Effective	75		124				
125	15:10	Effective	75		125				
126	15:11	Effective	75		126				
127	15:12	Effective	75		127				
128	15:13	Effective	75		128				
129	15:14	Effective	75		129				

130	15:15	<i>Effective</i>	75	130			
131	15:16	<i>Effective</i>	75	131			
132	15:17	<i>Effective</i>	75	132			
133	15:18	<i>Effective</i>	75	133			
134	15:19	<i>Effective</i>	75	134			
135	15:20	<i>Effective</i>	75	135			
136	15:21	<i>Effective</i>	75	136			
137	15:22	<i>Effective</i>	75	137			
138	15:23	<i>Effective</i>	75	138			
139	15:24	<i>Effective</i>	75	139			
140	15:25	<i>Effective</i>	75	140			
141				141			
142				142			
143				143			
144				144			
145				145			
146				146			
147				147			
148				148			
149				149			
150				150			
<i>effective work</i>			124	<i>effective work</i>			
<i>ineffective work</i>			16	<i>ineffective work</i>			
<i>total time</i>			140	<i>total time</i>			

RELAXATION ALLOWANCE			
No : 1b	Waktu Mulai : 13.06	Herman = 2.385 m2	
Tgg1 : 13 Juni 2012	Waktu Selesai : 15.25	= m2	
PEKERJA			
Herman			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	1	Konsentrasi	
Lingkungan, Pencahayaannya	6	Lingkungan, Pencahayaannya	
Kebisingan	1	Kebisingan	
Suhu	10	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	35	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 13 JUNI 2012							
Waktu Mulai : 13.06				Waktu Selesai : 15.25			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Herman	<i>effective</i>	124	75	93	35	125,55	2,385
	<i>ineffective</i>	16					
	<i>total</i>	140	75	93			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						125,55	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 13 JUNI 2012					
Waktu Mulai : 13.06			Waktu Selesai : 15.25		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Herman	2,385	52,6415	0,8774	7,9785	0,1253
Rata-rata				7,9785	0,1253

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 2a	Waktu Mulai : 09.30		Herman = 1.5125 m2					
TggL	: 14 Juni 2012	Waktu Selesai : 11:56		= m2					
PEKERJA									
Herman									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	9:30	Effective	75	81,75	1				
2	9:31	Effective	75		2				
3	9:32	Effective	75		3				
4	9:33	Effective	75		4				
5	9:34	Effective	75		5				
6	9:35	Effective	75		6				
7	9:36	Effective	75		7				
8	9:37	Effective	75		8				
9	9:38	Effective	75		9				
10	9:39	Effective	75		10				
11	9:40	Effective	75		11				
12	9:41	Ineffective			12				
13	9:42	Effective	75		13				
14	9:43	Effective	75		14				
15	9:44	Effective	75		15				
16	9:45	Effective	75		16				
17	9:46	Effective	75		17				
18	9:47	Effective	75		18				
19	9:48	Effective	75		19				
20	9:49	Effective	75		20				
21	9:50	Effective	75		21				
22	9:51	Effective	75		22				
23	9:52	Effective	75		23				
24	9:53	Effective	75		24				
25	9:54	Effective	75		25				
26	9:55	Effective	75		26				
27	9:56	Effective	75		27				
28	9:57	Effective	75		28				
29	9:58	Effective	75		29				
30	9:59	Effective	75		30				
31	10:00	Effective	75		31				
32	10:01	Effective	75		32				
33	10:02	Ineffective			33				
34	10:03	Ineffective			34				
35	10:04	Effective	75		35				
36	10:05	Effective	75		36				
37	10:06	Effective	75		37				
38	10:07	Effective	75		38				

39	10:08	Effective	75		39				
40	10:09	Effective	75		40				
41	10:10	Effective	75		41				
42	10:11	Effective	75		42				
43	10:12	Effective	75		43				
44	10:13	Effective	75		44				
45	10:14	Effective	75		45				
46	10:15	Effective	75		46				
47	10:16	Effective	75		47				
48	10:17	Effective	75		48				
49	10:18	Effective	75		49				
50	10:19	Effective	75		50				
51	10:20	Effective	75		51				
52	10:21	Effective	75		52				
53	10:22	Effective	75		53				
54	10:23	Effective	75		54				
55	10:24	Effective	75		55				
56	10:25	Ineffective			56				
57	10:26	Ineffective			57				
58	10:27	Ineffective			58				
59	10:28	Ineffective			59				
60	10:29	Ineffective			60				
61	10:30	Ineffective			61				
62	10:31	Ineffective			62				
63	10:32	Ineffective			63				
64	10:33	Ineffective			64				
65	10:34	Ineffective			65				
66	10:35	Ineffective			66				
67	10:36	Ineffective			67				
68	10:37	Ineffective			68				
69	10:38	Ineffective			69				
70	10:39	Ineffective			70				
71	10:40	Ineffective			71				
72	10:41	Ineffective			72				
73	10:42	Ineffective			73				
74	10:43	Ineffective			74				
75	10:44	Ineffective			75				
76	10:45	Ineffective			76				
77	10:46	Ineffective			77				
78	10:47	Ineffective			78				
79	10:48	Ineffective			79				
80	10:49	Ineffective			80				
81	10:50	Ineffective			81				
82	10:51	Ineffective			82				
83	10:52	Ineffective			83				
84	10:53	Ineffective			84				

85	10:54	Ineffective		85			
86	10:55	Effective	75	86			
87	10:56	Effective	75	87			
88	10:57	Effective	75	88			
89	10:58	Effective	75	89			
90	10:59	Effective	75	90			
91	11:00	Effective	75	91			
92	11:01	Effective	75	92			
93	11:02	Effective	75	93			
94	11:03	Effective	75	94			
95	11:04	Effective	75	95			
96	11:05	Effective	75	96			
97	11:06	Effective	75	97			
98	11:07	Effective	75	98			
99	11:08	Effective	75	99			
100	11:09	Effective	75	100			
101	11:10	Effective	75	101			
102	11:11	Effective	75	102			
103	11:12	Effective	75	103			
104	11:13	Effective	75	104			
105	11:14	Effective	75	105			
106	11:15	Effective	75	106			
107	11:16	Effective	75	107			
108	11:17	Effective	75	108			
109	11:18	Effective	75	109			
110	11:19	Effective	75	110			
111	11:20	Effective	75	111			
112	11:21	Effective	75	112			
113	11:22	Effective	75	113			
114	11:23	Ineffective		114			
115	11:24	Ineffective		115			
116	11:25	Effective	75	116			
117	11:26	Effective	75	117			
118	11:27	Effective	75	118			
119	11:28	Effective	75	119			
120	11:29	Effective	75	120			
121	11:30	Effective	75	121			
122	11:31	Effective	75	122			
123	11:32	Effective	75	123			
124	11:33	Effective	75	124			
125	11:34	Effective	75	125			
126	11:35	Effective	75	126			
127	11:36	Effective	75	127			
128	11:37	Effective	75	128			
129	11:38	Effective	75	129			
130	11:39	Effective	75	130			

131	11:40	Effective	75		131				
132	11:41	Effective	75		132				
133	11:42	Effective	75		133				
134	11:43	Effective	75		134				
135	11:44	Effective	75		135				
136	11:45	Effective	75		136				
137	11:46	Effective	75		137				
138	11:47	Effective	75		138				
139	11:48	Effective	75		139				
140	11:49	Effective	75		140				
141	11:50	Effective	75		141				
142	11:51	Effective	75		142				
143	11:52	Effective	75		143				
144	11:53	Effective	75		144				
145	11:54	Ineffective			145				
146	11:55	Ineffective			146				
147	11:56	Ineffective			147				
148					148				
149					149				
150					150				
<i>effective work</i>				109	<i>effective work</i>				
<i>ineffective work</i>				38	<i>ineffective work</i>				
<i>total time</i>				147	<i>total time</i>				

RELAXATION ALLOWANCE			
No : 2a	Waktu Mulai : 09.30	Herman = 1.5125 m2	
Tgg! : 14 Juni 2012	Waktu Selesai : 11:56	= m2	
PEKERJA			
Herman			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	2	Konsentrasi	
Lingkungan, Pencahayaan	5	Lingkungan, Pencahayaan	
Kebisingan	1	Kebisingan	
Suhu	10	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	35	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 14 JUNI 2012							
Waktu Mulai : 09.30				Waktu Selesai : 11:56			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Herman	<i>effective</i>	109	75	81,75	35	110,3625	1,5125
	<i>ineffective</i>	38					
	<i>total</i>	147	75	81,75			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						110,3625	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 14 JUNI 2012					
Waktu Mulai : 09.30			Waktu Selesai : 11:56		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Herman	1,5125	72,9669	1,2161	5,7560	0,1737
Rata-rata				5,7560	0,1737

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 2b			Waktu Mulai	: 13.15		Surip = 1.9864 m2		
TggL	: 14 Juni 2012			Waktu Selesai	: 15.19		Sugi = 1.9992 m2		
PEKERJA									
Surip					Sugi				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	13:15	Effective	100	93	1	13:15	Ineffective		58,5
2	13:16	Effective	100		2	13:16	Ineffective		
3	13:17	Effective	100		3	13:17	Ineffective		
4	13:18	Effective	100		4	13:18	Ineffective		
5	13:19	Effective	100		5	13:19	Ineffective		
6	13:20	Effective	100		6	13:20	Ineffective		
7	13:21	Effective	100		7	13:21	Ineffective		
8	13:22	Ineffective			8	13:22	Ineffective		
9	13:23	Ineffective			9	13:23	Ineffective		
10	13:24	Effective	100		10	13:24	Effective	75	
11	13:25	Effective	100		11	13:25	Effective	75	
12	13:26	Effective	100		12	13:26	Effective	75	
13	13:27	Effective	100		13	13:27	Effective	75	
14	13:28	Effective	100		14	13:28	Effective	75	
15	13:29	Effective	100		15	13:29	Effective	75	
16	13:30	Effective	100		16	13:30	Effective	75	
17	13:31	Effective	100		17	13:31	Effective	75	
18	13:32	Effective	100		18	13:32	Effective	75	
19	13:33	Effective	100		19	13:33	Effective	75	
20	13:34	Effective	100		20	13:34	Effective	75	
21	13:35	Effective	100		21	13:35	Effective	75	
22	13:36	Effective	100		22	13:36	Effective	75	
23	13:37	Ineffective			23	13:37	Effective	75	
24	13:38	Effective	100		24	13:38	Effective	75	
25	13:39	Effective	100		25	13:39	Effective	75	
26	13:40	Effective	100		26	13:40	Effective	75	
27	13:41	Effective	100		27	13:41	Effective	75	
28	13:42	Effective	100		28	13:42	Effective	75	
29	13:43	Effective	100		29	13:43	Effective	75	
30	13:44	Effective	100		30	13:44	Effective	75	
31	13:45	Effective	100		31	13:45	Effective	75	
32	13:46	Effective	100		32	13:46	Effective	75	
33	13:47	Effective	100		33	13:47	Effective	75	
34	13:48	Effective	100		34	13:48	Effective	75	
35	13:49	Effective	100		35	13:49	Effective	75	
36	13:50	Effective	100		36	13:50	Effective	75	
37	13:51	Effective	100		37	13:51	Ineffective		
38	13:52	Effective	100		38	13:52	Effective	75	
39	13:53	Effective	100		39	13:53	Effective	75	

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

86	14:40	Effective	100	86	14:40	Effective	75
87	14:41	Effective	100	87	14:41	Effective	75
88	14:42	Effective	100	88	14:42	Effective	75
89	14:43	Effective	100	89	14:43	Effective	75
90	14:44	Effective	100	90	14:44	Ineffective	
91	14:45	Effective	100	91	14:45	Ineffective	
92	14:46	Effective	100	92	14:46	Ineffective	
93	14:47	Effective	100	93	14:47	Ineffective	
94	14:48	Effective	100	94	14:48	Ineffective	
95	14:49	Effective	100	95	14:49	Ineffective	
96	14:50	Effective	100	96	14:50	Ineffective	
97	14:51	Effective	100	97	14:51	Effective	75
98	14:52	Effective	100	98	14:52	Effective	75
99	14:53	Effective	100	99	14:53	Effective	75
100	14:54	Effective	100	100	14:54	Effective	75
101	14:55	Effective	100	101	14:55	Effective	75
102	14:56	Effective	100	102	14:56	Effective	75
103	14:57	Effective	100	103	14:57	Effective	75
104	14:58	Effective	100	104	14:58	Effective	75
105	14:59	Effective	100	105	14:59	Effective	75
106	15:00	Effective	100	106	15:00	Effective	75
107	15:01	Effective	100	107	15:01	Effective	75
108	15:02	Effective	100	108	15:02	Effective	75
109	15:03	Effective	100	109	15:03	Ineffective	
110	15:04	Effective	100	110	15:04	Ineffective	
111	15:05	Effective	100	111	15:05	Ineffective	
112	15:06	Effective	100	112	15:06	Ineffective	
113	15:07	Effective	100	113	15:07	Ineffective	
114	15:08	Ineffective		114	15:08	Ineffective	
115	15:09	Ineffective		115	15:09	Ineffective	
116	15:10	Ineffective		116	15:10	Ineffective	
117	15:11	Ineffective		117	15:11	Ineffective	
118	15:12	Ineffective		118	15:12	Ineffective	
119	15:13	Ineffective		119	15:13	Ineffective	
120	15:14	Ineffective		120	15:14	Ineffective	
121	15:15	Ineffective		121	15:15	Ineffective	
122	15:16	Ineffective		122	15:16	Ineffective	
123	15:17	Ineffective		123	15:17	Ineffective	
124	15:18	Ineffective		124	15:18	Ineffective	
125	15:19	Ineffective		125	15:19	Ineffective	
126				126			
127				127			
128				128			
129				129			
130				130			
131				131			

132					132						
133					133						
134					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 work</i>	93					<i>effective work</i>	78
				<i>ineffective work</i>	32					<i>ineffective work</i>	47
				<i>total time</i>	125					<i>total time</i>	125

RELAXATION ALLOWANCE			
No : 2b	Waktu Mulai : 13.15	Surip = 1.9864 m2	
Tgg1 : 14 Juni 2012	Waktu Selesai : 15.19	Sugi = 1.9992 m2	
PEKERJA			
Surip		Sugi	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	1
Lingkungan, Pencahayaan	5	Lingkungan, Pencahayaan	5
Kebisingan	1	Kebisingan	1
Suhu	20	Suhu	20
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	44	TOTAL	44

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 14 JUNI 2012							
Waktu Mulai : 13.15				Waktu Selesai : 15.19			
Nama Pekerja	Kategori	No	Rated	<i>Basic Time</i>	<i>T. Allowance</i>	<i>Standard Time</i>	Volume
Surip	<i>effective</i>	93	100	93	44	133,92	1,9864
	<i>ineffective</i>	32					
	<i>total</i>	125	100	93			
Sugi	<i>effective</i>	78	75	58,5	44	84,24	1,9992
	<i>ineffective</i>	47					
	<i>total</i>	125	75	58,5			
Rata-rata						109,08	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 14 JUNI 2012					
Waktu Mulai : 13.15			Waktu Selesai : 15.19		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Surip	1,9864	67,4184	1,1236	6,2297	0,1605
Sugi	1,9992	42,1369	0,7023	9,9675	0,1003
Rata-rata				8,0986	0,1304

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 3a			Waktu Mulai	: 09.53		Sugi = 2.3107 m2		
TggL	: 15 Juni 2012			Waktu Selesai	: 12.00		= m2		
PEKERJA									
Sugi									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	9:53	<i>Effective</i>	75	73,5	1				
2	9:54	<i>Effective</i>	75		2				
3	9:55	<i>Effective</i>	75		3				
4	9:56	<i>Effective</i>	75		4				
5	9:57	<i>Effective</i>	75		5				
6	9:58	<i>Effective</i>	75		6				
7	9:59	<i>Effective</i>	75		7				
8	10:00	<i>Effective</i>	75		8				
9	10:01	<i>Effective</i>	75		9				
10	10:02	<i>Effective</i>	75		10				
11	10:03	<i>Effective</i>	75		11				
12	10:04	<i>Effective</i>	75		12				
13	10:05	<i>Effective</i>	75		13				
14	10:06	<i>Effective</i>	75		14				
15	10:07	<i>Ineffective</i>			15				
16	10:08	<i>Ineffective</i>			16				
17	10:09	<i>Effective</i>	75		17				
18	10:10	<i>Effective</i>	75		18				
19	10:11	<i>Ineffective</i>			19				
20	10:12	<i>Ineffective</i>			20				
21	10:13	<i>Ineffective</i>			21				
22	10:14	<i>Ineffective</i>			22				
23	10:15	<i>Ineffective</i>			23				
24	10:16	<i>Effective</i>	75		24				
25	10:17	<i>Effective</i>	75		25				
26	10:18	<i>Effective</i>	75		26				
27	10:19	<i>Effective</i>	75		27				
28	10:20	<i>Effective</i>	75		28				
29	10:21	<i>Effective</i>	75		29				
30	10:22	<i>Effective</i>	75		30				
31	10:23	<i>Effective</i>	75		31				
32	10:24	<i>Effective</i>	75		32				
33	10:25	<i>Effective</i>	75		33				
34	10:26	<i>Effective</i>	75		34				
35	10:27	<i>Effective</i>	75		35				
36	10:28	<i>Effective</i>	75		36				
37	10:29	<i>Effective</i>	75		37				
38	10:30	<i>Ineffective</i>			38				
39	10:31	<i>Effective</i>	75		39				

40	10:32	Effective	75		40				
41	10:33	Effective	75		41				
42	10:34	Effective	75		42				
43	10:35	Effective	75		43				
44	10:36	Effective	75		44				
45	10:37	Effective	75		45				
46	10:38	Effective	75		46				
47	10:39	Effective	75		47				
48	10:40	Effective	75		48				
49	10:41	Effective	75		49				
50	10:42	Effective	75		50				
51	10:43	Effective	75		51				
52	10:44	Effective	75		52				
53	10:45	Effective	75		53				
54	10:46	Ineffective			54				
55	10:47	Ineffective			55				
56	10:48	Ineffective			56				
57	10:49	Ineffective			57				
58	10:50	Ineffective			58				
59	10:51	Ineffective			59				
60	10:52	Ineffective			60				
61	10:53	Ineffective			61				
62	10:54	Ineffective			62				
63	10:55	Ineffective			63				
64	10:56	Ineffective			64				
65	10:57	Effective	75		65				
66	10:58	Effective	75		66				
67	10:59	Effective	75		67				
68	11:00	Effective	75		68				
69	11:01	Effective	75		69				
70	11:02	Ineffective			70				
71	11:03	Ineffective			71				
72	11:04	Ineffective			72				
73	11:05	Ineffective			73				
74	11:06	Effective	75		74				
75	11:07	Effective	75		75				
76	11:08	Effective	75		76				
77	11:09	Effective	75		77				
78	11:10	Effective	75		78				
79	11:11	Effective	75		79				
80	11:12	Effective	75		80				
81	11:13	Effective	75		81				
82	11:14	Ineffective			82				
83	11:15	Ineffective			83				
84	11:16	Ineffective			84				
85	11:17	Ineffective			85				

86	11:18	<i>Ineffective</i>		86			
87	11:19	<i>Ineffective</i>		87			
88	11:20	<i>Ineffective</i>		88			
89	11:21	<i>Effective</i>	75	89			
90	11:22	<i>Effective</i>	75	90			
91	11:23	<i>Effective</i>	75	91			
92	11:24	<i>Effective</i>	75	92			
93	11:25	<i>Effective</i>	75	93			
94	11:26	<i>Effective</i>	75	94			
95	11:27	<i>Effective</i>	75	95			
96	11:28	<i>Effective</i>	75	96			
97	11:29	<i>Effective</i>	75	97			
98	11:30	<i>Effective</i>	75	98			
99	11:31	<i>Effective</i>	75	99			
100	11:32	<i>Effective</i>	75	100			
101	11:33	<i>Effective</i>	75	101			
102	11:34	<i>Effective</i>	75	102			
103	11:35	<i>Effective</i>	75	103			
104	11:36	<i>Effective</i>	75	104			
105	11:37	<i>Effective</i>	75	105			
106	11:38	<i>Effective</i>	75	106			
107	11:39	<i>Effective</i>	75	107			
108	11:40	<i>Effective</i>	75	108			
109	11:41	<i>Effective</i>	75	109			
110	11:42	<i>Effective</i>	75	110			
111	11:43	<i>Effective</i>	75	111			
112	11:44	<i>Effective</i>	75	112			
113	11:45	<i>Effective</i>	75	113			
114	11:46	<i>Effective</i>	75	114			
115	11:47	<i>Effective</i>	75	115			
116	11:48	<i>Effective</i>	75	116			
117	11:49	<i>Effective</i>	75	117			
118	11:50	<i>Effective</i>	75	118			
119	11:51	<i>Effective</i>	75	119			
120	11:52	<i>Effective</i>	75	120			
121	11:53	<i>Effective</i>	75	121			
122	11:54	<i>Effective</i>	75	122			
123	11:55	<i>Effective</i>	75	123			
124	11:56	<i>Effective</i>	75	124			
125	11:57	<i>Effective</i>	75	125			
126	11:58	<i>Effective</i>	75	126			
127	11:59	<i>Effective</i>	75	127			
128	12:00	<i>Effective</i>	75	128			
129				129			
130				130			
131				131			

132				132			
133				133			
134				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 work</i>			98	<i>effective work</i>			
<i>ineffective work</i>			30	<i>ineffective work</i>			
<i>total time</i>			128	<i>total time</i>			

RELAXATION ALLOWANCE			
No : 3a	Waktu Mulai : 09.53	Sugi = 2.3107 m2	
TggI : 15 Juni 2012	Waktu Selesai : 12.00	= m2	
PEKERJA			
Sugi			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	1	Konsentrasi	
Lingkungan, Pencahayaan	5	Lingkungan, Pencahayaan	
Kebisingan	1	Kebisingan	
Suhu	10	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	34	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 15 JUNI 2012							
Waktu Mulai : 09.53				Waktu Selesai : 12.00			
Nama Pekerja	Kategori	No	Rated	<i>Basic Time</i>	<i>T. Allowance</i>	<i>Standard Time</i>	Volume
Sugi	<i>effective</i>	98	75	73,5	34	98,49	2,3107
	<i>ineffective</i>	30					
	<i>total</i>	128	75	73,5			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						98,49	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 15 JUNI 2012					
Waktu Mulai : 09.53			Waktu Selesai : 12.00		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Sugi	2,3107	42,6234	0,7104	9,8537	0,1015
Rata-rata				9,8537	0,1015

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 3b	Waktu Mulai : 13.10			Sugi = 0.3452 m2				
TggL	: 15 Juni 2012	Waktu Selesai : 15.16			= m2				
PEKERJA									
Sugi									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	13:10	Effective	75	46,5	1				
2	13:11	Effective	75		2				
3	13:12	Effective	75		3				
4	13:13	Effective	75		4				
5	13:14	Effective	75		5				
6	13:15	Effective	75		6				
7	13:16	Effective	75		7				
8	13:17	Effective	75		8				
9	13:18	Ineffective			9				
10	13:19	Ineffective			10				
11	13:20	Ineffective			11				
12	13:21	Effective	75		12				
13	13:22	Effective	75		13				
14	13:23	Effective	75		14				
15	13:24	Effective	75		15				
16	13:25	Effective	75		16				
17	13:26	Effective	75		17				
18	13:27	Effective	75		18				
19	13:28	Effective	75		19				
20	13:29	Effective	75		20				
21	13:30	Effective	75		21				
22	13:31	Effective	75		22				
23	13:32	Effective	75		23				
24	13:33	Effective	75		24				
25	13:34	Effective	75		25				
26	13:35	Effective	75		26				
27	13:36	Effective	75		27				
28	13:37	Ineffective			28				
29	13:38	Ineffective			29				
30	13:39	Ineffective			30				
31	13:40	Ineffective			31				
32	13:41	Effective	75		32				
33	13:42	Effective	75		33				
34	13:43	Effective	75		34				
35	13:44	Effective	75		35				
36	13:45	Ineffective			36				
37	13:46	Ineffective			37				
38	13:47	Ineffective			38				

39	13:48	<i>Ineffective</i>		39			
40	13:49	<i>Effective</i>	75	40			
41	13:50	<i>Effective</i>	75	41			
42	13:51	<i>Effective</i>	75	42			
43	13:52	<i>Effective</i>	75	43			
44	13:53	<i>Effective</i>	75	44			
45	13:54	<i>Effective</i>	75	45			
46	13:55	<i>Effective</i>	75	46			
47	13:56	<i>Effective</i>	75	47			
48	13:57	<i>Effective</i>	75	48			
49	13:58	<i>Ineffective</i>		49			
50	13:59	<i>Ineffective</i>		50			
51	14:00	<i>Ineffective</i>		51			
52	14:01	<i>Ineffective</i>		52			
53	14:02	<i>Ineffective</i>		53			
54	14:03	<i>Ineffective</i>		54			
55	14:04	<i>Ineffective</i>		55			
56	14:05	<i>Ineffective</i>		56			
57	14:06	<i>Ineffective</i>		57			
58	14:07	<i>Ineffective</i>		58			
59	14:08	<i>Ineffective</i>		59			
60	14:09	<i>Ineffective</i>		60			
61	14:10	<i>Ineffective</i>		61			
62	14:11	<i>Ineffective</i>		62			
63	14:12	<i>Ineffective</i>		63			
64	14:13	<i>Ineffective</i>		64			
65	14:14	<i>Ineffective</i>		65			
66	14:15	<i>Ineffective</i>		66			
67	14:16	<i>Ineffective</i>		67			
68	14:17	<i>Ineffective</i>		68			
69	14:18	<i>Ineffective</i>		69			
70	14:19	<i>Ineffective</i>		70			
71	14:20	<i>Ineffective</i>		71			
72	14:21	<i>Ineffective</i>		72			
73	14:22	<i>Ineffective</i>		73			
74	14:23	<i>Ineffective</i>		74			
75	14:24	<i>Ineffective</i>		75			
76	14:25	<i>Ineffective</i>		76			
77	14:26	<i>Ineffective</i>		77			
78	14:27	<i>Ineffective</i>		78			
79	14:28	<i>Ineffective</i>		79			
80	14:29	<i>Ineffective</i>		80			
81	14:30	<i>Ineffective</i>		81			
82	14:31	<i>Ineffective</i>		82			
83	14:32	<i>Ineffective</i>		83			
84	14:33	<i>Ineffective</i>		84			

85	14:34	Ineffective		85			
86	14:35	Ineffective		86			
87	14:36	Ineffective		87			
88	14:37	Ineffective		88			
89	14:38	Ineffective		89			
90	14:39	Ineffective		90			
91	14:40	Ineffective		91			
92	14:41	Ineffective		92			
93	14:42	Ineffective		93			
94	14:43	Ineffective		94			
95	14:44	Ineffective		95			
96	14:45	Ineffective		96			
97	14:46	Ineffective		97			
98	14:47	Ineffective		98			
99	14:48	Ineffective		99			
100	14:49	Ineffective		100			
101	14:50	Ineffective		101			
102	14:51	Ineffective		102			
103	14:52	Effective	75	103			
104	14:53	Effective	75	104			
105	14:54	Effective	75	105			
106	14:55	Effective	75	106			
107	14:56	Effective	75	107			
108	14:57	Effective	75	108			
109	14:58	Effective	75	109			
110	14:59	Effective	75	110			
111	15:00	Effective	75	111			
112	15:01	Effective	75	112			
113	15:02	Effective	75	113			
114	15:03	Effective	75	114			
115	15:04	Effective	75	115			
116	15:05	Effective	75	116			
117	15:06	Effective	75	117			
118	15:07	Effective	75	118			
119	15:08	Effective	75	119			
120	15:09	Effective	75	120			
121	15:10	Effective	75	121			
122	15:11	Effective	75	122			
123	15:12	Effective	75	123			
124	15:13	Effective	75	124			
125	15:14	Effective	75	125			
126	15:15	Effective	75	126			
127	15:16	Effective	75	127			
128				128			
129				129			
130				130			

131				131			
132				132			
133				133			
134				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 work</i>			62	<i>effective work</i>			
<i>ineffective work</i>			65	<i>ineffective work</i>			
<i>total time</i>			127	<i>total time</i>			

RELAXATION ALLOWANCE			
No : 3b	Waktu Mulai : 13.10	Sugi = 0.3452 m2	
Tgg1 : 15 Juni 2012	Waktu Selesai : 15.16	= m2	
PEKERJA			
Sugi			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	1	Konsentrasi	
Lingkungan, Pencahayaan	0	Lingkungan, Pencahayaan	
Kebisingan	2	Kebisingan	
Suhu	10	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	30	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 15 JUNI 2012							
Waktu Mulai : 13.10				Waktu Selesai : 15.16			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Sugi	<i>effective</i>	62	75	46,5	30	60,45	0,3452
	<i>ineffective</i>	65					
	<i>total</i>	127	75	46,5			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						60,45	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 15 JUNI 2012					
Waktu Mulai : 13.10			Waktu Selesai : 15.16		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Sugi	0,3452	175,1159	2,9186	2,3984	0,4169
Rata-rata				2,3984	0,4169

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 4a	Waktu Mulai : 08.55			Buwang = 2.4975 m2				
TggL	: 16 Juni 2012	Waktu Selesai : 11.00			= m2				
PEKERJA									
Buwang									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	8:55	Effective	75	81,75	1				
2	8:56	Effective	75		2				
3	8:57	Effective	75		3				
4	8:58	Effective	75		4				
5	8:59	Effective	75		5				
6	9:00	Effective	75		6				
7	9:01	Effective	75		7				
8	9:02	Effective	75		8				
9	9:03	Effective	75		9				
10	9:04	Effective	75		10				
11	9:05	Effective	75		11				
12	9:06	Effective	75		12				
13	9:07	Effective	75		13				
14	9:08	Effective	75		14				
15	9:09	Effective	75		15				
16	9:10	Effective	75		16				
17	9:11	Effective	75		17				
18	9:12	Effective	75		18				
19	9:13	Effective	75		19				
20	9:14	Effective	75		20				
21	9:15	Effective	75		21				
22	9:16	Effective	75		22				
23	9:17	Effective	75		23				
24	9:18	Effective	75		24				
25	9:19	Effective	75		25				
26	9:20	Effective	75		26				
27	9:21	Effective	75		27				
28	9:22	Effective	75		28				
29	9:23	Effective	75		29				
30	9:24	Effective	75		30				
31	9:25	Effective	75		31				
32	9:26	Effective	75		32				
33	9:27	Effective	75		33				
34	9:28	Effective	75		34				
35	9:29	Effective	75		35				
36	9:30	Effective	75		36				
37	9:31	Effective	75		37				
38	9:32	Effective	75		38				

39	9:33	Effective	75		39			
40	9:34	Ineffective			40			
41	9:35	Ineffective			41			
42	9:36	Ineffective			42			
43	9:37	Ineffective			43			
44	9:38	Ineffective			44			
45	9:39	Ineffective			45			
46	9:40	Ineffective			46			
47	9:41	Ineffective			47			
48	9:42	Ineffective			48			
49	9:43	Ineffective			49			
50	9:44	Effective	75		50			
51	9:45	Effective	75		51			
52	9:46	Effective	75		52			
53	9:47	Effective	75		53			
54	9:48	Effective	75		54			
55	9:49	Effective	75		55			
56	9:50	Effective	75		56			
57	9:51	Effective	75		57			
58	9:52	Effective	75		58			
59	9:53	Effective	75		59			
60	9:54	Effective	75		60			
61	9:55	Ineffective			61			
62	9:56	Ineffective			62			
63	9:57	Ineffective			63			
64	9:58	Ineffective			64			
65	9:59	Ineffective			65			
66	10:00	Ineffective			66			
67	10:01	Effective	75		67			
68	10:02	Effective	75		68			
69	10:03	Effective	75		69			
70	10:04	Effective	75		70			
71	10:05	Effective	75		71			
72	10:06	Effective	75		72			
73	10:07	Effective	75		73			
74	10:08	Effective	75		74			
75	10:09	Effective	75		75			
76	10:10	Effective	75		76			
77	10:11	Effective	75		77			
78	10:12	Effective	75		78			
79	10:13	Effective	75		79			
80	10:14	Effective	75		80			
81	10:15	Effective	75		81			
82	10:16	Effective	75		82			
83	10:17	Effective	75		83			

84	10:18	Effective	75		84			
85	10:19	Effective	75		85			
86	10:20	Effective	75		86			
87	10:21	Effective	75		87			
88	10:22	Effective	75		88			
89	10:23	Effective	75		89			
90	10:24	Effective	75		90			
91	10:25	Effective	75		91			
92	10:26	Effective	75		92			
93	10:27	Effective	75		93			
94	10:28	Effective	75		94			
95	10:29	Effective	75		95			
96	10:30	Effective	75		96			
97	10:31	Effective	75		97			
98	10:32	Effective	75		98			
99	10:33	Effective	75		99			
100	10:34	Effective	75		100			
101	10:35	Effective	75		101			
102	10:36	Effective	75		102			
103	10:37	Effective	75		103			
104	10:38	Effective	75		104			
105	10:39	Effective	75		105			
106	10:40	Effective	75		106			
107	10:41	Effective	75		107			
108	10:42	Effective	75		108			
109	10:43	Effective	75		109			
110	10:44	Effective	75		110			
111	10:45	Effective	75		111			
112	10:46	Effective	75		112			
113	10:47	Effective	75		113			
114	10:48	Effective	75		114			
115	10:49	Effective	75		115			
116	10:50	Effective	75		116			
117	10:51	Effective	75		117			
118	10:52	Effective	75		118			
119	10:53	Effective	75		119			
120	10:54	Effective	75		120			
121	10:55	Effective	75		121			
122	10:56	Effective	75		122			
123	10:57	Effective	75		123			
124	10:58	Effective	75		124			
125	10:59	Effective	75		125			
126	11:00	Ineffective			126			
127					127			
128					128			

129					129					
130					130					
131					131					
132					132					
133					133					
134					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 work</i>				109	<i>effective work</i>					
<i>ineffective work</i>				17	<i>ineffective work</i>					
<i>total time</i>				126	<i>total time</i>					

RELAXATION ALLOWANCE			
No : 4a	Waktu Mulai : 08.55	Buwang = 2.4975 m2	
TggI : 16 Juni 2012	Waktu Selesai : 11.00	= m2	
PEKERJA			
Buwang			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	2	Konsentrasi	
Lingkungan, Pencahayaan	5	Lingkungan, Pencahayaan	
Kebisingan	2	Kebisingan	
Suhu	10	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	36	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 16 JUNI 2012							
Waktu Mulai : 08.55				Waktu Selesai : 11.00			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Buwang	<i>effective</i>	109	75	81,75	36	111,18	2,4975
	<i>ineffective</i>	17					
	<i>total</i>	126	75	81,75			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						111,18	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 16 JUNI 2012					
Waktu Mulai : 08.55			Waktu Selesai : 11.00		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Buwang	2,4975	44,51651652	0,7419	9,4347	0,1060
Rata-rata				9,4347	0,1060

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 4b			Waktu Mulai	: 13.08			Buwang =	
TggL	: 16 Juni 2012			Waktu Selesai	: 15:21			1.4193 m2	
PEKERJA									
Buwang									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	13:08	<i>Effective</i>	75	48	1				
2	13:09	<i>Effective</i>	75		2				
3	13:10	<i>Effective</i>	75		3				
4	13:11	<i>Effective</i>	75		4				
5	13:12	<i>Effective</i>	75		5				
6	13:13	<i>Effective</i>	75		6				
7	13:14	<i>Effective</i>	75		7				
8	13:15	<i>Effective</i>	75		8				
9	13:16	<i>Effective</i>	75		9				
10	13:17	<i>Effective</i>	75		10				
11	13:18	<i>Effective</i>	75		11				
12	13:19	<i>Effective</i>	75		12				
13	13:20	<i>Effective</i>	75		13				
14	13:21	<i>Effective</i>	75		14				
15	13:22	<i>Effective</i>	75		15				
16	13:23	<i>Effective</i>	75		16				
17	13:24	<i>Effective</i>	75		17				
18	13:25	<i>Effective</i>	75		18				
19	13:26	<i>Ineffective</i>			19				
20	13:27	<i>Ineffective</i>			20				
21	13:28	<i>Effective</i>	75		21				
22	13:29	<i>Effective</i>	75		22				
23	13:30	<i>Effective</i>	75		23				
24	13:31	<i>Effective</i>	75		24				
25	13:32	<i>Effective</i>	75		25				
26	13:33	<i>Effective</i>	75		26				
27	13:34	<i>Effective</i>	75		27				
28	13:35	<i>Effective</i>	75		28				
29	13:36	<i>Effective</i>	75		29				
30	13:37	<i>Effective</i>	75		30				
31	13:38	<i>Effective</i>	75		31				
32	13:39	<i>Effective</i>	75		32				
33	13:40	<i>Effective</i>	75		33				
34	13:41	<i>Effective</i>	75		34				
35	13:42	<i>Ineffective</i>			35				
36	13:43	<i>Effective</i>	75		36				
37	13:44	<i>Effective</i>	75		37				
38	13:45	<i>Effective</i>	75		38				

39	13:46	Effective	75		39			
40	13:47	Effective	75		40			
41	13:48	Effective	75		41			
42	13:49	Effective	75		42			
43	13:50	Effective	75		43			
44	13:51	Effective	75		44			
45	13:52	Effective	75		45			
46	13:53	Ineffective			46			
47	13:54	Ineffective			47			
48	13:55	Ineffective			48			
49	13:56	Ineffective			49			
50	13:57	Ineffective			50			
51	13:58	Ineffective			51			
52	13:59	Ineffective			52			
53	14:00	Ineffective			53			
54	14:01	Ineffective			54			
55	14:02	Ineffective			55			
56	14:03	Ineffective			56			
57	14:04	Ineffective			57			
58	14:05	Ineffective			58			
59	14:06	Ineffective			59			
60	14:07	Ineffective			60			
61	14:08	Ineffective			61			
62	14:09	Ineffective			62			
63	14:10	Ineffective			63			
64	14:11	Ineffective			64			
65	14:12	Ineffective			65			
66	14:13	Ineffective			66			
67	14:14	Ineffective			67			
68	14:15	Ineffective			68			
69	14:16	Ineffective			69			
70	14:17	Ineffective			70			
71	14:18	Ineffective			71			
72	14:19	Ineffective			72			
73	14:20	Ineffective			73			
74	14:21	Ineffective			74			
75	14:22	Ineffective			75			
76	14:23	Ineffective			76			
77	14:24	Ineffective			77			
78	14:25	Ineffective			78			
79	14:26	Ineffective			79			
80	14:27	Ineffective			80			
81	14:28	Ineffective			81			
82	14:29	Ineffective			82			
83	14:30	Ineffective			83			
84	14:31	Ineffective			84			

85	14:32	Ineffective		85			
86	14:33	Ineffective		86			
87	14:34	Effective	75	87			
88	14:35	Effective	75	88			
89	14:36	Effective	75	89			
90	14:37	Effective	75	90			
91	14:38	Effective	75	91			
92	14:39	Effective	75	92			
93	14:40	Ineffective		93			
94	14:41	Ineffective		94			
95	14:42	Effective	75	95			
96	14:43	Effective	75	96			
97	14:44	Effective	75	97			
98	14:45	Effective	75	98			
99	14:46	Effective	75	99			
100	14:47	Effective	75	100			
101	14:48	Effective	75	101			
102	14:49	Effective	75	102			
103	14:50	Ineffective		103			
104	14:51	Ineffective		104			
105	14:52	Effective	75	105			
106	14:53	Effective	75	106			
107	14:54	Effective	75	107			
108	14:55	Effective	75	108			
109	14:56	Effective	75	109			
110	14:57	Effective	75	110			
111	14:58	Effective	75	111			
112	14:59	Effective	75	112			
113	15:00	Ineffective		113			
114	15:01	Ineffective		114			
115	15:02	Ineffective		115			
116	15:03	Ineffective		116			
117	15:04	Ineffective		117			
118	15:05	Ineffective		118			
119	15:06	Ineffective		119			
120	15:07	Ineffective		120			
121	15:08	Ineffective		121			
122	15:09	Ineffective		122			
123	15:10	Ineffective		123			
124	15:11	Ineffective		124			
125	15:12	Ineffective		125			
126	15:13	Ineffective		126			
127	15:14	Ineffective		127			
128	15:15	Ineffective		128			
129	15:16	Ineffective		129			
130	15:17	Ineffective		130			

131	15:18	Ineffective		131			
132	15:19	Ineffective		132			
133	15:20	Ineffective		133			
134	15:21	Ineffective		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 work</i>			64	<i>effective work</i>			
<i>ineffective work</i>			70	<i>ineffective work</i>			
<i>total time</i>			134	<i>total time</i>			

RELAXATION ALLOWANCE			
No : 4b	Waktu Mulai : 13.08	Buwang = 1.4193 m2	
Tggl : 16 Juni 2012	Waktu Selesai : 15:21	= m2	
PEKERJA			
Buwang			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	2	Konsentrasi	
Lingkungan, Pencahayaannya	5	Lingkungan, Pencahayaannya	
Kebisingan	1	Kebisingan	
Suhu	0	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	25	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 16 JUNI 2012							
Waktu Mulai : 13.08				Waktu Selesai : 15:21			
Nama Pekerja	Kategori	No	Rated	<i>Basic Time</i>	<i>T. Allowance</i>	<i>Standard Time</i>	Volume
Buwang	<i>effective</i>	64	75	48	25	60	1,4193
	<i>ineffective</i>	70					
	<i>total</i>	134	75	48			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						60	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 16 JUNI 2012					
Waktu Mulai : 13.08			Waktu Selesai : 15:21		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Buwang	1,4193	42,2743606	0,7046	9,9351	0,1007
Rata-rata				9,9351	0,1007

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 5a			Waktu Mulai	: 08.57		Sugi = 2.5379 m2		
TggL	: 18 Juni 2012			Waktu Selesai	: 11.09		Joko = 2.6712 m2		
PEKERJA									
Sugi					Joko				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	8:57	Effective	75	82,5	1	8:57	Effective	125	108,75
2	8:58	Effective	75		2	8:58	Effective	125	
3	8:59	Effective	75		3	8:59	Effective	125	
4	9:00	Effective	75		4	9:00	Effective	125	
5	9:01	Ineffective			5	9:01	Effective	125	
6	9:02	Ineffective			6	9:02	Effective	125	
7	9:03	Ineffective			7	9:03	Effective	125	
8	9:04	Ineffective			8	9:04	Ineffective		
9	9:05	Effective	75		9	9:05	Effective	125	
10	9:06	Effective	75		10	9:06	Effective	125	
11	9:07	Effective	75		11	9:07	Effective	125	
12	9:08	Effective	75		12	9:08	Effective	125	
13	9:09	Effective	75		13	9:09	Effective	125	
14	9:10	Effective	75		14	9:10	Effective	125	
15	9:11	Effective	75		15	9:11	Effective	125	
16	9:12	Effective	75		16	9:12	Effective	125	
17	9:13	Effective	75		17	9:13	Effective	125	
18	9:14	Effective	75		18	9:14	Effective	125	
19	9:15	Effective	75		19	9:15	Effective	125	
20	9:16	Effective	75		20	9:16	Effective	125	
21	9:17	Effective	75		21	9:17	Effective	125	
22	9:18	Effective	75		22	9:18	Effective	125	
23	9:19	Effective	75		23	9:19	Effective	125	
24	9:20	Effective	75		24	9:20	Effective	125	
25	9:21	Effective	75		25	9:21	Effective	125	
26	9:22	Effective	75		26	9:22	Effective	125	
27	9:23	Effective	75		27	9:23	Effective	125	
28	9:24	Effective	75		28	9:24	Effective	125	
29	9:25	Effective	75		29	9:25	Effective	125	
30	9:26	Effective	75		30	9:26	Effective	125	
31	9:27	Effective	75		31	9:27	Effective	125	
32	9:28	Effective	75		32	9:28	Ineffective		
33	9:29	Effective	75		33	9:29	Effective	125	
34	9:30	Effective	75		34	9:30	Effective	125	
35	9:31	Effective	75		35	9:31	Effective	125	
36	9:32	Ineffective			36	9:32	Ineffective		
37	9:33	Effective	75		37	9:33	Effective	125	

38	9:34	Effective	75	38	9:34	Effective	125
39	9:35	Effective	75	39	9:35	Effective	125
40	9:36	Effective	75	40	9:36	Effective	125
41	9:37	Effective	75	41	9:37	Effective	125
42	9:38	Effective	75	42	9:38	Effective	125
43	9:39	Effective	75	43	9:39	Effective	125
44	9:40	Effective	75	44	9:40	Effective	125
45	9:41	Effective	75	45	9:41	Effective	125
46	9:42	Effective	75	46	9:42	Effective	125
47	9:43	Effective	75	47	9:43	Effective	125
48	9:44	Effective	75	48	9:44	Effective	125
49	9:45	Effective	75	49	9:45	Effective	125
50	9:46	Ineffective		50	9:46	Effective	125
51	9:47	Effective	75	51	9:47	Effective	125
52	9:48	Effective	75	52	9:48	Effective	125
53	9:49	Effective	75	53	9:49	Effective	125
54	9:50	Effective	75	54	9:50	Effective	125
55	9:51	Ineffective		55	9:51	Ineffective	
56	9:52	Ineffective		56	9:52	Ineffective	
57	9:53	Ineffective		57	9:53	Ineffective	
58	9:54	Ineffective		58	9:54	Ineffective	
59	9:55	Ineffective		59	9:55	Ineffective	
60	9:56	Effective	75	60	9:56	Effective	125
61	9:57	Effective	75	61	9:57	Effective	125
62	9:58	Effective	75	62	9:58	Effective	125
63	9:59	Effective	75	63	9:59	Effective	125
64	10:00	Effective	75	64	10:00	Effective	125
65	10:01	Effective	75	65	10:01	Effective	125
66	10:02	Effective	75	66	10:02	Effective	125
67	10:03	Effective	75	67	10:03	Effective	125
68	10:04	Effective	75	68	10:04	Effective	125
69	10:05	Effective	75	69	10:05	Effective	125
70	10:06	Effective	75	70	10:06	Effective	125
71	10:07	Effective	75	71	10:07	Effective	125
72	10:08	Effective	75	72	10:08	Effective	125
73	10:09	Effective	75	73	10:09	Effective	125
74	10:10	Effective	75	74	10:10	Effective	125
75	10:11	Effective	75	75	10:11	Effective	125
76	10:12	Effective	75	76	10:12	Effective	125
77	10:13	Effective	75	77	10:13	Effective	125
78	10:14	Effective	75	78	10:14	Effective	125
79	10:15	Ineffective		79	10:15	Ineffective	
80	10:16	Ineffective		80	10:16	Ineffective	
81	10:17	Effective	75	81	10:17	Effective	125
82	10:18	Effective	75	82	10:18	Effective	125
83	10:19	Effective	75	83	10:19	Effective	125

84	10:20	Effective	75	84	10:20	Effective	125
85	10:21	Effective	75	85	10:21	Effective	125
86	10:22	Effective	75	86	10:22	Effective	125
87	10:23	Effective	75	87	10:23	Effective	125
88	10:24	Effective	75	88	10:24	Effective	125
89	10:25	Effective	75	89	10:25	Effective	125
90	10:26	Ineffective		90	10:26	Ineffective	
91	10:27	Ineffective		91	10:27	Ineffective	
92	10:28	Ineffective		92	10:28	Ineffective	
93	10:29	Ineffective		93	10:29	Ineffective	
94	10:30	Ineffective		94	10:30	Ineffective	
95	10:31	Ineffective		95	10:31	Ineffective	
96	10:32	Effective	75	96	10:32	Ineffective	
97	10:33	Effective	75	97	10:33	Ineffective	
98	10:34	Ineffective		98	10:34	Ineffective	
99	10:35	Effective	75	99	10:35	Effective	125
100	10:36	Effective	75	100	10:36	Effective	125
101	10:37	Effective	75	101	10:37	Effective	125
102	10:38	Effective	75	102	10:38	Effective	125
103	10:39	Effective	75	103	10:39	Effective	125
104	10:40	Effective	75	104	10:40	Effective	125
105	10:41	Effective	75	105	10:41	Effective	125
106	10:42	Effective	75	106	10:42	Effective	125
107	10:43	Effective	75	107	10:43	Ineffective	
108	10:44	Effective	75	108	10:44	Ineffective	
109	10:45	Effective	75	109	10:45	Ineffective	
110	10:46	Effective	75	110	10:46	Ineffective	
111	10:47	Ineffective		111	10:47	Ineffective	
112	10:48	Effective	75	112	10:48	Ineffective	
113	10:49	Effective	75	113	10:49	Ineffective	
114	10:50	Effective	75	114	10:50	Ineffective	
115	10:51	Effective	75	115	10:51	Ineffective	
116	10:52	Effective	75	116	10:52	Ineffective	
117	10:53	Effective	75	117	10:53	Ineffective	
118	10:54	Effective	75	118	10:54	Ineffective	
119	10:55	Effective	75	119	10:55	Ineffective	
120	10:56	Effective	75	120	10:56	Ineffective	
121	10:57	Effective	75	121	10:57	Ineffective	
122	10:58	Effective	75	122	10:58	Ineffective	
123	10:59	Effective	75	123	10:59	Ineffective	
124	11:00	Effective	75	124	11:00	Ineffective	
125	11:01	Effective	75	125	11:01	Ineffective	
126	11:02	Effective	75	126	11:02	Ineffective	
127	11:03	Effective	75	127	11:03	Ineffective	
128	11:04	Effective	75	128	11:04	Ineffective	
129	11:05	Effective	75	129	11:05	Ineffective	

130	11:06	<i>Effective</i>	75	130	11:06	<i>Ineffective</i>			
131	11:07	<i>Effective</i>	75	131	11:07	<i>Ineffective</i>			
132	11:08	<i>Ineffective</i>		132	11:08	<i>Ineffective</i>			
133	11:09	<i>Ineffective</i>		133	11:09	<i>Ineffective</i>			
134				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 work</i>				110	<i>effective work</i>				87
<i>ineffective work</i>				23	<i>ineffective work</i>				46
<i>total</i>					<i>total</i>				
<i>time</i>				133	<i>time</i>				133

RELAXATION ALLOWANCE			
No : 5a	Waktu Mulai : 08.57	Sugi = 2.5379 m2	
Tgg! : 18 Juni 2012	Waktu Selesai : 11.09	Joko = 2.6712 m2	
PEKERJA			
Sugi		Joko	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	2
Lingkungan, Pencahayaannya	5	Lingkungan, Pencahayaannya	5
Kebisingan	2	Kebisingan	2
Suhu	10	Suhu	10
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	35	TOTAL	36

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 18 JUNI 2012							
Waktu Mulai : 08.57				Waktu Selesai : 11.09			
Nama Pekerja	Kategori	No	Rated	<i>Basic Time</i>	<i>T. Allowance</i>	<i>Standard Time</i>	Volume
Sugi	<i>effective</i>	110	75	82,5	35	111,375	2,5379
	<i>ineffective</i>	23					
	<i>total</i>	133	75	82,5			
Joko	<i>effective</i>	87	125	108,75	36	147,90	2,6712
	<i>ineffective</i>	46					
	<i>total</i>	133	125	108,75			
Rata-rata						129,6375	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 18 JUNI 2012					
Waktu Mulai : 08.57			Waktu Selesai : 11.09		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Sugi	2,5379	43,8847	0,7314	9,5705	0,1045
Joko	2,6712	55,3684	0,9228	7,5856	0,1318
Rata-rata				8,5780	0,1182

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 5b			Waktu Mulai	: 13.11		Kasim = 0.5389 m2		
TggL	: 18 Juni 2012			Waktu Selesai	: 15.14		Kuat = 1.0283 m2		
PEKERJA									
Kasim					Kuat				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	13:11	Effective	100	34	1	13:11	Effective	100	70
2	13:12	Effective	100		2	13:12	Effective	100	
3	13:13	Effective	100		3	13:13	Effective	100	
4	13:14	Effective	100		4	13:14	Effective	100	
5	13:15	Effective	100		5	13:15	Effective	100	
6	13:16	Effective	100		6	13:16	Effective	100	
7	13:17	Effective	100		7	13:17	Effective	100	
8	13:18	Effective	100		8	13:18	Effective	100	
9	13:19	Effective	100		9	13:19	Effective	100	
10	13:20	Effective	100		10	13:20	Effective	100	
11	13:21	Effective	100		11	13:21	Effective	100	
12	13:22	Effective	100		12	13:22	Effective	100	
13	13:23	Effective	100		13	13:23	Effective	100	
14	13:24	Effective	100		14	13:24	Effective	100	
15	13:25	Effective	100		15	13:25	Effective	100	
16	13:26	Effective	100		16	13:26	Effective	100	
17	13:27	Effective	100		17	13:27	Effective	100	
18	13:28	Effective	100		18	13:28	Effective	100	
19	13:29	Ineffective			19	13:29	Effective	100	
20	13:30	Ineffective			20	13:30	Effective	100	
21	13:31	Effective	100		21	13:31	Effective	100	
22	13:32	Effective	100		22	13:32	Effective	100	
23	13:33	Effective	100		23	13:33	Effective	100	
24	13:34	Effective	100		24	13:34	Effective	100	
25	13:35	Ineffective			25	13:35	Effective	100	
26	13:36	Ineffective			26	13:36	Effective	100	
27	13:37	Ineffective			27	13:37	Effective	100	
28	13:38	Ineffective			28	13:38	Effective	100	
29	13:39	Ineffective			29	13:39	Effective	100	
30	13:40	Ineffective			30	13:40	Effective	100	
31	13:41	Ineffective			31	13:41	Effective	100	
32	13:42	Ineffective			32	13:42	Effective	100	
33	13:43	Ineffective			33	13:43	Effective	100	
34	13:44	Ineffective			34	13:44	Effective	100	
35	13:45	Ineffective			35	13:45	Effective	100	
36	13:46	Ineffective			36	13:46	Effective	100	
37	13:47	Ineffective			37	13:47	Effective	100	
38	13:48	Ineffective			38	13:48	Effective	100	
39	13:49	Ineffective			39	13:49	Effective	100	
40	13:50	Ineffective			40	13:50	Ineffective		

41	13:51	<i>Ineffective</i>		41	13:51	<i>Ineffective</i>	
42	13:52	<i>Ineffective</i>		42	13:52	<i>Ineffective</i>	
43	13:53	<i>Ineffective</i>		43	13:53	<i>Ineffective</i>	
44	13:54	<i>Ineffective</i>		44	13:54	<i>Ineffective</i>	
45	13:55	<i>Ineffective</i>		45	13:55	<i>Ineffective</i>	
46	13:56	<i>Ineffective</i>		46	13:56	<i>Ineffective</i>	
47	13:57	<i>Ineffective</i>		47	13:57	<i>Effective</i>	100
48	13:58	<i>Ineffective</i>		48	13:58	<i>Effective</i>	100
49	13:59	<i>Ineffective</i>		49	13:59	<i>Effective</i>	100
50	14:00	<i>Ineffective</i>		50	14:00	<i>Effective</i>	100
51	14:01	<i>Ineffective</i>		51	14:01	<i>Effective</i>	100
52	14:02	<i>Ineffective</i>		52	14:02	<i>Ineffective</i>	
53	14:03	<i>Ineffective</i>		53	14:03	<i>Ineffective</i>	
54	14:04	<i>Ineffective</i>		54	14:04	<i>Ineffective</i>	
55	14:05	<i>Ineffective</i>		55	14:05	<i>Ineffective</i>	
56	14:06	<i>Ineffective</i>		56	14:06	<i>Ineffective</i>	
57	14:07	<i>Ineffective</i>		57	14:07	<i>Ineffective</i>	
58	14:08	<i>Ineffective</i>		58	14:08	<i>Ineffective</i>	
59	14:09	<i>Ineffective</i>		59	14:09	<i>Effective</i>	100
60	14:10	<i>Ineffective</i>		60	14:10	<i>Effective</i>	100
61	14:11	<i>Ineffective</i>		61	14:11	<i>Effective</i>	100
62	14:12	<i>Ineffective</i>		62	14:12	<i>Effective</i>	100
63	14:13	<i>Ineffective</i>		63	14:13	<i>Effective</i>	100
64	14:14	<i>Ineffective</i>		64	14:14	<i>Effective</i>	100
65	14:15	<i>Ineffective</i>		65	14:15	<i>Effective</i>	100
66	14:16	<i>Ineffective</i>		66	14:16	<i>Effective</i>	100
67	14:17	<i>Ineffective</i>		67	14:17	<i>Effective</i>	100
68	14:18	<i>Ineffective</i>		68	14:18	<i>Ineffective</i>	
69	14:19	<i>Ineffective</i>		69	14:19	<i>Ineffective</i>	
70	14:20	<i>Ineffective</i>		70	14:20	<i>Effective</i>	100
71	14:21	<i>Ineffective</i>		71	14:21	<i>Effective</i>	100
72	14:22	<i>Ineffective</i>		72	14:22	<i>Effective</i>	100
73	14:23	<i>Ineffective</i>		73	14:23	<i>Effective</i>	100
74	14:24	<i>Ineffective</i>		74	14:24	<i>Effective</i>	100
75	14:25	<i>Ineffective</i>		75	14:25	<i>Effective</i>	100
76	14:26	<i>Ineffective</i>		76	14:26	<i>Effective</i>	100
77	14:27	<i>Ineffective</i>		77	14:27	<i>Effective</i>	100
78	14:28	<i>Ineffective</i>		78	14:28	<i>Effective</i>	100
79	14:29	<i>Ineffective</i>		79	14:29	<i>Effective</i>	100
80	14:30	<i>Ineffective</i>		80	14:30	<i>Effective</i>	100
81	14:31	<i>Ineffective</i>		81	14:31	<i>Effective</i>	100
82	14:32	<i>Ineffective</i>		82	14:32	<i>Effective</i>	100
83	14:33	<i>Ineffective</i>		83	14:33	<i>Effective</i>	100
84	14:34	<i>Ineffective</i>		84	14:34	<i>Effective</i>	100
85	14:35	<i>Ineffective</i>		85	14:35	<i>Effective</i>	100
86	14:36	<i>Ineffective</i>		86	14:36	<i>Effective</i>	100

87	14:37	Ineffective		87	14:37	Ineffective	
88	14:38	Ineffective		88	14:38	Ineffective	
89	14:39	Ineffective		89	14:39	Ineffective	
90	14:40	Ineffective		90	14:40	Ineffective	
91	14:41	Ineffective		91	14:41	Ineffective	
92	14:42	Ineffective		92	14:42	Ineffective	
93	14:43	Effective	100	93	14:43	Ineffective	
94	14:44	Effective	100	94	14:44	Ineffective	
95	14:45	Effective	100	95	14:45	Ineffective	
96	14:46	Effective	100	96	14:46	Ineffective	
97	14:47	Effective	100	97	14:47	Ineffective	
98	14:48	Effective	100	98	14:48	Ineffective	
99	14:49	Effective	100	99	14:49	Ineffective	
100	14:50	Effective	100	100	14:50	Ineffective	
101	14:51	Effective	100	101	14:51	Ineffective	
102	14:52	Effective	100	102	14:52	Ineffective	
103	14:53	Effective	100	103	14:53	Ineffective	
104	14:54	Effective	100	104	14:54	Ineffective	
105	14:55	Ineffective		105	14:55	Ineffective	
106	14:56	Ineffective		106	14:56	Ineffective	
107	14:57	Ineffective		107	14:57	Ineffective	
108	14:58	Ineffective		108	14:58	Ineffective	
109	14:59	Ineffective		109	14:59	Ineffective	
110	15:00	Ineffective		110	15:00	Ineffective	
111	15:01	Ineffective		111	15:01	Ineffective	
112	15:02	Ineffective		112	15:02	Ineffective	
113	15:03	Ineffective		113	15:03	Ineffective	
114	15:04	Ineffective		114	15:04	Ineffective	
115	15:05	Ineffective		115	15:05	Ineffective	
116	15:06	Ineffective		116	15:06	Ineffective	
117	15:07	Ineffective		117	15:07	Ineffective	
118	15:08	Ineffective		118	15:08	Ineffective	
119	15:09	Ineffective		119	15:09	Ineffective	
120	15:10	Ineffective		120	15:10	Ineffective	
121	15:11	Ineffective		121	15:11	Ineffective	
122	15:12	Ineffective		122	15:12	Ineffective	
123	15:13	Ineffective		123	15:13	Ineffective	
124	15:14	Ineffective		124	15:14	Ineffective	
125				125			
126				126			
127				127			
128				128			
129				129			
130				130			
131				131			
132				132			

133				133			
134				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 work</i>			34	<i>effective work</i>			70
<i>ineffective work</i>			90	<i>ineffective work</i>			54
<i>total time</i>			124	<i>total time</i>			124

RELAXATION ALLOWANCE			
No : 5b	Waktu Mulai : 13.11	Kasim = 0.5389 m2	
Tggl : 18 Juni 2012	Waktu Selesai : 15.14	Kuat = 1.0283 m2	
PEKERJA			
Kasim		Kuat	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	2	Konsentrasi	2
Lingkungan, Pencahayaan	3	Lingkungan, Pencahayaan	3
Kebisingan	1	Kebisingan	1
Suhu	20	Suhu	20
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	43	TOTAL	43

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 18 JUNI 2012							
Waktu Mulai : 13.11				Waktu Selesai : 15.14			
Nama Pekerja	Kategori	No	Rated	<i>Basic Time</i>	<i>T. Allowance</i>	<i>Standard Time</i>	Volume
Kasim	<i>effective</i>	34	100	34	43	48,62	0,5389
	<i>ineffective</i>	90					
	<i>total</i>	124	100	34			
Kuat	<i>effective</i>	70	100	70	43	100,10	1,0283
	<i>ineffective</i>	54					
	<i>total</i>	124	100	70			
Rata-rata						74,36	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 18 JUNI 2012					
Waktu Mulai : 13.11			Waktu Selesai : 15.14		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Kasim	0,5389	90,2208	1,5037	4,6552	0,2148
Kuat	1,0283	97,3451	1,6224	4,3145	0,2318
Rata-rata				4,4849	0,2233

NO	: 6a			Waktu Mulai	: 08.49			Kuat = 1.232 m2	
TggL	: 19 Juni 2012			Waktu Selesai	: 11.18			Atul = 1.885 m2	
PEKERJA									
Kuat					Atul				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	8:49	<i>Effective</i>	100	76	1	8:49	<i>Ineffective</i>		55,5
2	8:50	<i>Effective</i>	100		2	8:50	<i>Ineffective</i>		
3	8:51	<i>Effective</i>	100		3	8:51	<i>Ineffective</i>		
4	8:52	<i>Effective</i>	100		4	8:52	<i>Ineffective</i>		
5	8:53	<i>Effective</i>	100		5	8:53	<i>Ineffective</i>		
6	8:54	<i>Effective</i>	100		6	8:54	<i>Ineffective</i>		
7	8:55	<i>Effective</i>	100		7	8:55	<i>Ineffective</i>		
8	8:56	<i>Effective</i>	100		8	8:56	<i>Ineffective</i>		
9	8:57	<i>Effective</i>	100		9	8:57	<i>Ineffective</i>		
10	8:58	<i>Effective</i>	100		10	8:58	<i>Ineffective</i>		
11	8:59	<i>Effective</i>	100		11	8:59	<i>Ineffective</i>		
12	9:00	<i>Effective</i>	100		12	9:00	<i>Ineffective</i>		
13	9:01	<i>Effective</i>	100		13	9:01	<i>Ineffective</i>		
14	9:02	<i>Effective</i>	100		14	9:02	<i>Ineffective</i>		
15	9:03	<i>Effective</i>	100		15	9:03	<i>Ineffective</i>		
16	9:04	<i>Effective</i>	100		16	9:04	<i>Ineffective</i>		
17	9:05	<i>Effective</i>	100		17	9:05	<i>Ineffective</i>		
18	9:06	<i>Effective</i>	100		18	9:06	<i>Ineffective</i>		
19	9:07	<i>Effective</i>	100		19	9:07	<i>Ineffective</i>		
20	9:08	<i>Effective</i>	100		20	9:08	<i>Ineffective</i>		
21	9:09	<i>Effective</i>	100		21	9:09	<i>Ineffective</i>		
22	9:10	<i>Effective</i>	100		22	9:10	<i>Ineffective</i>		
23	9:11	<i>Effective</i>	100		23	9:11	<i>Ineffective</i>		
24	9:12	<i>Effective</i>	100		24	9:12	<i>Ineffective</i>		
25	9:13	<i>Effective</i>	100		25	9:13	<i>Ineffective</i>		
26	9:14	<i>Effective</i>	100		26	9:14	<i>Ineffective</i>		
27	9:15	<i>Effective</i>	100		27	9:15	<i>Ineffective</i>		
28	9:16	<i>Effective</i>	100		28	9:16	<i>Ineffective</i>		
29	9:17	<i>Effective</i>	100		29	9:17	<i>Ineffective</i>		
30	9:18	<i>Effective</i>	100		30	9:18	<i>Ineffective</i>		
31	9:19	<i>Effective</i>	100		31	9:19	<i>Ineffective</i>		
32	9:20	<i>Effective</i>	100		32	9:20	<i>Ineffective</i>		
33	9:21	<i>Effective</i>	100		33	9:21	<i>Ineffective</i>		
34	9:22	<i>Effective</i>	100		34	9:22	<i>Ineffective</i>		
35	9:23	<i>Effective</i>	100		35	9:23	<i>Ineffective</i>		
36	9:24	<i>Effective</i>	100		36	9:24	<i>Effective</i>	75	
37	9:25	<i>Effective</i>	100		37	9:25	<i>Effective</i>	75	
38	9:26	<i>Ineffective</i>			38	9:26	<i>Effective</i>	75	
39	9:27	<i>Ineffective</i>			39	9:27	<i>Effective</i>	75	
40	9:28	<i>Ineffective</i>			40	9:28	<i>Effective</i>	75	
41	9:29	<i>Ineffective</i>			41	9:29	<i>Effective</i>	75	

42	9:30	Ineffective		42	9:30	Effective	75
43	9:31	Ineffective		43	9:31	Effective	75
44	9:32	Ineffective		44	9:32	Effective	75
45	9:33	Ineffective		45	9:33	Effective	75
46	9:34	Ineffective		46	9:34	Effective	75
47	9:35	Ineffective		47	9:35	Ineffective	
48	9:36	Effective	100	48	9:36	Ineffective	
49	9:37	Effective	100	49	9:37	Effective	75
50	9:38	Effective	100	50	9:38	Effective	75
51	9:39	Effective	100	51	9:39	Effective	75
52	9:40	Effective	100	52	9:40	Effective	75
53	9:41	Effective	100	53	9:41	Effective	75
54	9:42	Effective	100	54	9:42	Effective	75
55	9:43	Effective	100	55	9:43	Effective	75
56	9:44	Ineffective		56	9:44	Effective	75
57	9:45	Ineffective		57	9:45	Effective	75
58	9:46	Ineffective		58	9:46	Effective	75
59	9:47	Ineffective		59	9:47	Effective	75
60	9:48	Effective	100	60	9:48	Effective	75
61	9:49	Effective	100	61	9:49	Effective	75
62	9:50	Effective	100	62	9:50	Effective	75
63	9:51	Effective	100	63	9:51	Effective	75
64	9:52	Effective	100	64	9:52	Effective	75
65	9:53	Effective	100	65	9:53	Ineffective	
66	9:54	Effective	100	66	9:54	Ineffective	
67	9:55	Effective	100	67	9:55	Ineffective	
68	9:56	Effective	100	68	9:56	Ineffective	
69	9:57	Effective	100	69	9:57	Ineffective	
70	9:58	Effective	100	70	9:58	Ineffective	
71	9:59	Effective	100	71	9:59	Effective	75
72	10:00	Effective	100	72	10:00	Effective	75
73	10:01	Ineffective		73	10:01	Effective	75
74	10:02	Ineffective		74	10:02	Effective	75
75	10:03	Effective	100	75	10:03	Ineffective	
76	10:04	Effective	100	76	10:04	Effective	75
77	10:05	Effective	100	77	10:05	Effective	75
78	10:06	Effective	100	78	10:06	Effective	75
79	10:07	Effective	100	79	10:07	Effective	75
80	10:08	Effective	100	80	10:08	Effective	75
81	10:09	Effective	100	81	10:09	Effective	75
82	10:10	Effective	100	82	10:10	Effective	75
83	10:11	Ineffective		83	10:11	Effective	75
84	10:12	Effective	100	84	10:12	Effective	75
85	10:13	Effective	100	85	10:13	Effective	75
86	10:14	Effective	100	86	10:14	Ineffective	
87	10:15	Effective	100	87	10:15	Ineffective	

88	10:16	<i>Effective</i>	100	88	10:16	<i>Ineffective</i>	
89	10:17	<i>Ineffective</i>		89	10:17	<i>Ineffective</i>	
90	10:18	<i>Ineffective</i>		90	10:18	<i>Ineffective</i>	
91	10:19	<i>Ineffective</i>		91	10:19	<i>Ineffective</i>	
92	10:20	<i>Ineffective</i>		92	10:20	<i>Ineffective</i>	
93	10:21	<i>Ineffective</i>		93	10:21	<i>Ineffective</i>	
94	10:22	<i>Ineffective</i>		94	10:22	<i>Ineffective</i>	
95	10:23	<i>Ineffective</i>		95	10:23	<i>Ineffective</i>	
96	10:24	<i>Ineffective</i>		96	10:24	<i>Ineffective</i>	
97	10:25	<i>Ineffective</i>		97	10:25	<i>Ineffective</i>	
98	10:26	<i>Ineffective</i>		98	10:26	<i>Effective</i>	75
99	10:27	<i>Ineffective</i>		99	10:27	<i>Effective</i>	75
100	10:28	<i>Ineffective</i>		100	10:28	<i>Effective</i>	75
101	10:29	<i>Ineffective</i>		101	10:29	<i>Ineffective</i>	
102	10:30	<i>Effective</i>	100	102	10:30	<i>Ineffective</i>	
103	10:31	<i>Effective</i>	100	103	10:31	<i>Ineffective</i>	
104	10:32	<i>Effective</i>	100	104	10:32	<i>Effective</i>	75
105	10:33	<i>Effective</i>	100	105	10:33	<i>Effective</i>	75
106	10:34	<i>Effective</i>	100	106	10:34	<i>Effective</i>	75
107	10:35	<i>Ineffective</i>		107	10:35	<i>Effective</i>	75
108	10:36	<i>Ineffective</i>		108	10:36	<i>Effective</i>	75
109	10:37	<i>Ineffective</i>		109	10:37	<i>Effective</i>	75
110	10:38	<i>Ineffective</i>		110	10:38	<i>Effective</i>	75
111	10:39	<i>Ineffective</i>		111	10:39	<i>Effective</i>	75
112	10:40	<i>Ineffective</i>		112	10:40	<i>Effective</i>	75
113	10:41	<i>Ineffective</i>		113	10:41	<i>Effective</i>	75
114	10:42	<i>Ineffective</i>		114	10:42	<i>Effective</i>	75
115	10:43	<i>Ineffective</i>		115	10:43	<i>Effective</i>	75
116	10:44	<i>Ineffective</i>		116	10:44	<i>Ineffective</i>	
117	10:45	<i>Ineffective</i>		117	10:45	<i>Ineffective</i>	
118	10:46	<i>Ineffective</i>		118	10:46	<i>Ineffective</i>	
119	10:47	<i>Ineffective</i>		119	10:47	<i>Ineffective</i>	
120	10:48	<i>Ineffective</i>		120	10:48	<i>Ineffective</i>	
121	10:49	<i>Ineffective</i>		121	10:49	<i>Ineffective</i>	
122	10:50	<i>Ineffective</i>		122	10:50	<i>Ineffective</i>	
123	10:51	<i>Ineffective</i>		123	10:51	<i>Ineffective</i>	
124	10:52	<i>Ineffective</i>		124	10:52	<i>Ineffective</i>	
125	10:53	<i>Ineffective</i>		125	10:53	<i>Ineffective</i>	
126	10:54	<i>Ineffective</i>		126	10:54	<i>Ineffective</i>	
127	10:55	<i>Ineffective</i>		127	10:55	<i>Ineffective</i>	
128	10:56	<i>Ineffective</i>		128	10:56	<i>Ineffective</i>	
129	10:57	<i>Ineffective</i>		129	10:57	<i>Ineffective</i>	
130	10:58	<i>Ineffective</i>		130	10:58	<i>Ineffective</i>	
131	10:59	<i>Ineffective</i>		131	10:59	<i>Ineffective</i>	
132	11:00	<i>Ineffective</i>		132	11:00	<i>Ineffective</i>	
133	11:01	<i>Ineffective</i>		133	11:01	<i>Effective</i>	75

134	11:02	<i>Ineffective</i>		134	11:02	<i>Effective</i>	75		
135	11:03	<i>Ineffective</i>		135	11:03	<i>Effective</i>	75		
136	11:04	<i>Ineffective</i>		136	11:04	<i>Effective</i>	75		
137	11:05	<i>Ineffective</i>		137	11:05	<i>Effective</i>	75		
138	11:06	<i>Ineffective</i>		138	11:06	<i>Effective</i>	75		
139	11:07	<i>Ineffective</i>		139	11:07	<i>Effective</i>	75		
140	11:08	<i>Ineffective</i>		140	11:08	<i>Effective</i>	75		
141	11:09	<i>Ineffective</i>		141	11:09	<i>Effective</i>	75		
142	11:10	<i>Ineffective</i>		142	11:10	<i>Effective</i>	75		
143	11:11	<i>Ineffective</i>		143	11:11	<i>Effective</i>	75		
144	11:12	<i>Ineffective</i>		144	11:12	<i>Effective</i>	75		
145	11:13	<i>Ineffective</i>		145	11:13	<i>Effective</i>	75		
146	11:14	<i>Ineffective</i>		146	11:14	<i>Effective</i>	75		
147	11:15	<i>Ineffective</i>		147	11:15	<i>Effective</i>	75		
148	11:16	<i>Ineffective</i>		148	11:16	<i>Effective</i>	75		
149	11:17	<i>Ineffective</i>		149	11:17	<i>Effective</i>	75		
150	11:18	<i>Ineffective</i>		150	11:18	<i>Effective</i>	75		
			<i>effective work</i>	76				<i>effective work</i>	74
			<i>ineffective work</i>	74				<i>ineffective work</i>	76
			<i>total</i>					<i>total time</i>	
			<i>time</i>	150				<i>total time</i>	150

RELAXATION ALLOWANCE			
No : 6a	Waktu Mulai : 08.49	Kuat = 1.232 m2	
Tgg1 : 19 Juni 2012	Waktu Selesai : 11.18	Atul = 1.885 m2	
PEKERJA			
Kuat		Atul	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	2
Konsentrasi	1	Konsentrasi	2
Lingkungan, Pencahayaan	5	Lingkungan, Pencahayaan	5
Kebisingan	1	Kebisingan	1
Suhu	0	Suhu	0
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	24	TOTAL	25

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 19 JUNI 2012							
Waktu Mulai : 08.49				Waktu Selesai : 11.18			
Nama Pekerja	Kategori	No	Rated	<i>Basic Time</i>	<i>T. Allowance</i>	<i>Standard Time</i>	Volume
Kuat	<i>effective</i>	76	100	76	24	94,24	1,232
	<i>ineffective</i>	74					
	<i>total</i>	150	100	76			
Atul	<i>effective</i>	74	75	55,5	25	69,38	1,885
	<i>ineffective</i>	76					
	<i>total</i>	150	75	55,5			
Rata-rata						81,8075	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 19 JUNI 2012					
Waktu Mulai : 08.49			Waktu Selesai : 11.18		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Kuat	1,232	76,4935	1,2749	5,4907	0,1821
Atul	1,885	36,8037	0,6134	11,4119	0,0876
Rata-rata				8,4513	0,1349

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 6b			Waktu Mulai	: 13.11		Atul = 2.0981 m2		
TggL	: 19 Juni 2012			Waktu Selesai	: 15.23		Kuat = 1.2274 m2		
PEKERJA									
Atul					Kuat				
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	13:11	Effective	75	70,5	1	13:11	Ineffective		74
2	13:12	Effective	75		2	13:12	Ineffective		
3	13:13	Effective	75		3	13:13	Ineffective		
4	13:14	Effective	75		4	13:14	Ineffective		
5	13:15	Effective	75		5	13:15	Ineffective		
6	13:16	Effective	75		6	13:16	Ineffective		
7	13:17	Effective	75		7	13:17	Ineffective		
8	13:18	Effective	75		8	13:18	Ineffective		
9	13:19	Effective	75		9	13:19	Ineffective		
10	13:20	Effective	75		10	13:20	Ineffective		
11	13:21	Effective	75		11	13:21	Ineffective		
12	13:22	Effective	75		12	13:22	Ineffective		
13	13:23	Effective	75		13	13:23	Ineffective		
14	13:24	Effective	75		14	13:24	Ineffective		
15	13:25	Effective	75		15	13:25	Ineffective		
16	13:26	Effective	75		16	13:26	Ineffective		
17	13:27	Effective	75		17	13:27	Ineffective		
18	13:28	Effective	75		18	13:28	Ineffective		
19	13:29	Effective	75		19	13:29	Ineffective		
20	13:30	Effective	75		20	13:30	Effective	100	
21	13:31	Effective	75		21	13:31	Effective	100	
22	13:32	Effective	75		22	13:32	Effective	100	
23	13:33	Effective	75		23	13:33	Effective	100	
24	13:34	Effective	75		24	13:34	Effective	100	
25	13:35	Effective	75		25	13:35	Effective	100	
26	13:36	Effective	75		26	13:36	Ineffective		
27	13:37	Effective	75		27	13:37	Effective	100	
28	13:38	Effective	75		28	13:38	Ineffective		
29	13:39	Effective	75		29	13:39	Effective	100	
30	13:40	Effective	75		30	13:40	Effective	100	
31	13:41	Ineffective			31	13:41	Effective	100	
32	13:42	Effective	75		32	13:42	Effective	100	
33	13:43	Effective	75		33	13:43	Effective	100	
34	13:44	Effective	75		34	13:44	Effective	100	
35	13:45	Effective	75		35	13:45	Effective	100	
36	13:46	Effective	75		36	13:46	Effective	100	
37	13:47	Effective	75		37	13:47	Effective	100	
38	13:48	Effective	75		38	13:48	Effective	100	
39	13:49	Ineffective			39	13:49	Effective	100	
40	13:50	Ineffective			40	13:50	Effective	100	

41	13:51	Ineffective		41	13:51	Effective	100
42	13:52	Ineffective		42	13:52	Effective	100
43	13:53	Ineffective		43	13:53	Effective	100
44	13:54	Effective	75	44	13:54	Effective	100
45	13:55	Effective	75	45	13:55	Effective	100
46	13:56	Effective	75	46	13:56	Effective	100
47	13:57	Effective	75	47	13:57	Effective	100
48	13:58	Effective	75	48	13:58	Effective	100
49	13:59	Ineffective		49	13:59	Effective	100
50	14:00	Ineffective		50	14:00	Effective	100
51	14:01	Ineffective		51	14:01	Effective	100
52	14:02	Ineffective		52	14:02	Effective	100
53	14:03	Ineffective		53	14:03	Ineffective	
54	14:04	Ineffective		54	14:04	Ineffective	
55	14:05	Ineffective		55	14:05	Ineffective	
56	14:06	Ineffective		56	14:06	Ineffective	
57	14:07	Ineffective		57	14:07	Ineffective	
58	14:08	Ineffective		58	14:08	Ineffective	
59	14:09	Ineffective		59	14:09	Ineffective	
60	14:10	Ineffective		60	14:10	Ineffective	
61	14:11	Effective	75	61	14:11	Ineffective	
62	14:12	Effective	75	62	14:12	Ineffective	
63	14:13	Effective	75	63	14:13	Ineffective	
64	14:14	Effective	75	64	14:14	Ineffective	
65	14:15	Effective	75	65	14:15	Effective	100
66	14:16	Effective	75	66	14:16	Ineffective	
67	14:17	Effective	75	67	14:17	Ineffective	
68	14:18	Ineffective		68	14:18	Ineffective	
69	14:19	Ineffective		69	14:19	Ineffective	
70	14:20	Effective	75	70	14:20	Effective	100
71	14:21	Effective	75	71	14:21	Effective	100
72	14:22	Effective	75	72	14:22	Effective	100
73	14:23	Effective	75	73	14:23	Effective	100
74	14:24	Effective	75	74	14:24	Effective	100
75	14:25	Effective	75	75	14:25	Effective	100
76	14:26	Effective	75	76	14:26	Effective	100
77	14:27	Effective	75	77	14:27	Ineffective	
78	14:28	Effective	75	78	14:28	Effective	100
79	14:29	Effective	75	79	14:29	Effective	100
80	14:30	Ineffective		80	14:30	Effective	100
81	14:31	Ineffective		81	14:31	Effective	100
82	14:32	Ineffective		82	14:32	Effective	100
83	14:33	Ineffective		83	14:33	Effective	100
84	14:34	Ineffective		84	14:34	Effective	100
85	14:35	Effective	75	85	14:35	Effective	100
86	14:36	Effective	75	86	14:36	Effective	100

87	14:37	Effective	75	87	14:37	Effective	100
88	14:38	Effective	75	88	14:38	Effective	100
89	14:39	Effective	75	89	14:39	Effective	100
90	14:40	Effective	75	90	14:40	Effective	100
91	14:41	Effective	75	91	14:41	Effective	100
92	14:42	Effective	75	92	14:42	Effective	100
93	14:43	Effective	75	93	14:43	Effective	100
94	14:44	Effective	75	94	14:44	Effective	100
95	14:45	Effective	75	95	14:45	Effective	100
96	14:46	Effective	75	96	14:46	Effective	100
97	14:47	Effective	75	97	14:47	Effective	100
98	14:48	Effective	75	98	14:48	Effective	100
99	14:49	Effective	75	99	14:49	Effective	100
100	14:50	Ineffective		100	14:50	Ineffective	
101	14:51	Ineffective		101	14:51	Ineffective	
102	14:52	Ineffective		102	14:52	Ineffective	
103	14:53	Ineffective		103	14:53	Ineffective	
104	14:54	Ineffective		104	14:54	Ineffective	
105	14:55	Ineffective		105	14:55	Ineffective	
106	14:56	Effective	75	106	14:56	Ineffective	
107	14:57	Effective	75	107	14:57	Effective	100
108	14:58	Effective	75	108	14:58	Effective	100
109	14:59	Effective	75	109	14:59	Effective	100
110	15:00	Effective	75	110	15:00	Effective	100
111	15:01	Effective	75	111	15:01	Effective	100
112	15:02	Effective	75	112	15:02	Effective	100
113	15:03	Effective	75	113	15:03	Effective	100
114	15:04	Effective	75	114	15:04	Effective	100
115	15:05	Effective	75	115	15:05	Effective	100
116	15:06	Ineffective		116	15:06	Effective	100
117	15:07	Ineffective		117	15:07	Effective	100
118	15:08	Ineffective		118	15:08	Effective	100
119	15:09	Ineffective		119	15:09	Effective	100
120	15:10	Effective	75	120	15:10	Ineffective	
121	15:11	Effective	75	121	15:11	Ineffective	
122	15:12	Effective	75	122	15:12	Ineffective	
123	15:13	Ineffective		123	15:13	Ineffective	
124	15:14	Ineffective		124	15:14	Ineffective	
125	15:15	Ineffective		125	15:15	Ineffective	
126	15:16	Ineffective		126	15:16	Ineffective	
127	15:17	Effective	75	127	15:17	Ineffective	
128	15:18	Effective	75	128	15:18	Ineffective	
129	15:19	Effective	75	129	15:19	Ineffective	
130	15:20	Effective	75	130	15:20	Ineffective	
131	15:21	Effective	75	131	15:21	Ineffective	
132	15:22	Effective	75	132	15:22	Ineffective	

133	15:23	<i>Effective</i>	75		133	15:23	<i>Ineffective</i>	
134					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 work</i>			94		<i>effective work</i>			74
<i>ineffective work</i>			39		<i>ineffective work</i>			59
<i>total</i>					<i>total</i>			
<i>time</i>			133		<i>time</i>			133

RELAXATION ALLOWANCE			
No : 6b	Waktu Mulai : 13.11	Atul = 2.0981 m2	
Tggl : 19 Juni 2012	Waktu Selesai : 15.23	Kuat = 1.2274 m2	
PEKERJA			
Atul		Kuat	
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	8
Posisi Kerja	2	Posisi Kerja	4
Konsentrasi	3	Konsentrasi	1
Lingkungan, Pencahayaan	5	Lingkungan, Pencahayaan	5
Kebisingan	1	Kebisingan	1
Suhu	20	Suhu	20
Tenaga	1	Tenaga	1
Kebosanan	1	Kebosanan	1
Contingency Allowance	5	Contingency Allowance	5
TOTAL	46	TOTAL	46

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 19 JUNI 2012							
Waktu Mulai : 13.11				Waktu Selesai : 15.23			
Nama Pekerja	Kategori	No	Rated	Basic Time	T. Allowance	Standard Time	Volume
Atul	<i>effective</i>	94	75	70,5	46	102,93	2,0981
	<i>ineffective</i>	39					
	<i>total</i>	133	75	70,5			
Kuat	<i>effective</i>	74	100	74	46	108,04	1,2274
	<i>ineffective</i>	59					
	<i>total</i>	133	100	74			
Rata-rata						105,485	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 19 JUNI 2012					
Waktu Mulai : 13.11			Waktu Selesai : 15.23		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Atul	2,0981	49,0587	0,8176	8,5612	0,1168
Kuat	1,2274	88,0235	1,4671	4,7715	0,2096
Rata-rata				6,6663	0,1632

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 7a	Waktu Mulai	: 09.02	Atul = 3.011 m2					
TggL	: 20 Juni 2012	Waktu Selesai	: 11.31	= m2					
PEKERJA									
Atul									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	9:02	Effective	75	82,5	1				
2	9:03	Effective	75		2				
3	9:04	Effective	75		3				
4	9:05	Effective	75		4				
5	9:06	Effective	75		5				
6	9:07	Effective	75		6				
7	9:08	Effective	75		7				
8	9:09	Effective	75		8				
9	9:10	Effective	75		9				
10	9:11	Effective	75		10				
11	9:12	Ineffective			11				
12	9:13	Ineffective			12				
13	9:14	Ineffective			13				
14	9:15	Effective	75		14				
15	9:16	Effective	75		15				
16	9:17	Effective	75		16				
17	9:18	Effective	75		17				
18	9:19	Effective	75		18				
19	9:20	Effective	75		19				
20	9:21	Effective	75		20				
21	9:22	Effective	75		21				
22	9:23	Effective	75		22				
23	9:24	Effective	75		23				
24	9:25	Effective	75		24				
25	9:26	Effective	75		25				
26	9:27	Effective	75		26				
27	9:28	Effective	75		27				
28	9:29	Effective	75		28				
29	9:30	Effective	75		29				
30	9:31	Effective	75		30				
31	9:32	Ineffective			31				
32	9:33	Ineffective			32				
33	9:34	Ineffective			33				
34	9:35	Ineffective			34				
35	9:36	Ineffective			35				
36	9:37	Effective	75		36				
37	9:38	Effective	75		37				
38	9:39	Effective	75		38				
39	9:40	Effective	75		39				

40	9:41	Ineffective		40			
41	9:42	Ineffective		41			
42	9:43	Effective	75	42			
43	9:44	Effective	75	43			
44	9:45	Effective	75	44			
45	9:46	Effective	75	45			
46	9:47	Effective	75	46			
47	9:48	Effective	75	47			
48	9:49	Ineffective		48			
49	9:50	Ineffective		49			
50	9:51	Effective	75	50			
51	9:52	Effective	75	51			
52	9:53	Effective	75	52			
53	9:54	Effective	75	53			
54	9:55	Effective	75	54			
55	9:56	Effective	75	55			
56	9:57	Effective	75	56			
57	9:58	Effective	75	57			
58	9:59	Effective	75	58			
59	10:00	Effective	75	59			
60	10:01	Effective	75	60			
61	10:02	Effective	75	61			
62	10:03	Effective	75	62			
63	10:04	Effective	75	63			
64	10:05	Effective	75	64			
65	10:06	Effective	75	65			
66	10:07	Effective	75	66			
67	10:08	Effective	75	67			
68	10:09	Effective	75	68			
69	10:10	Effective	75	69			
70	10:11	Ineffective		70			
71	10:12	Ineffective		71			
72	10:13	Ineffective		72			
73	10:14	Ineffective		73			
74	10:15	Ineffective		74			
75	10:16	Ineffective		75			
76	10:17	Ineffective		76			
77	10:18	Ineffective		77			
78	10:19	Effective	75	78			
79	10:20	Effective	75	79			
80	10:21	Effective	75	80			
81	10:22	Effective	75	81			
82	10:23	Effective	75	82			
83	10:24	Ineffective		83			
84	10:25	Ineffective		84			
85	10:26	Ineffective		85			

86	10:27	Ineffective		86			
87	10:28	Ineffective		87			
88	10:29	Effective	75	88			
89	10:30	Effective	75	89			
90	10:31	Effective	75	90			
91	10:32	Effective	75	91			
92	10:33	Effective	75	92			
93	10:34	Effective	75	93			
94	10:35	Effective	75	94			
95	10:36	Effective	75	95			
96	10:37	Effective	75	96			
97	10:38	Ineffective		97			
98	10:39	Ineffective		98			
99	10:40	Ineffective		99			
100	10:41	Ineffective		100			
101	10:42	Ineffective		101			
102	10:43	Ineffective		102			
103	10:44	Ineffective		103			
104	10:45	Ineffective		104			
105	10:46	Ineffective		105			
106	10:47	Effective	75	106			
107	10:48	Effective	75	107			
108	10:49	Effective	75	108			
109	10:50	Effective	75	109			
110	10:51	Effective	75	110			
111	10:52	Effective	75	111			
112	10:53	Effective	75	112			
113	10:54	Effective	75	113			
114	10:55	Effective	75	114			
115	10:56	Ineffective		115			
116	10:57	Ineffective		116			
117	10:58	Ineffective		117			
118	10:59	Effective	75	118			
119	11:00	Effective	75	119			
120	11:01	Effective	75	120			
121	11:02	Effective	75	121			
122	11:03	Effective	75	122			
123	11:04	Effective	75	123			
124	11:05	Effective	75	124			
125	11:06	Effective	75	125			
126	11:07	Effective	75	126			
127	11:08	Effective	75	127			
128	11:09	Effective	75	128			
129	11:10	Effective	75	129			
130	11:11	Effective	75	130			
131	11:12	Effective	75	131			

132	11:13	Effective	75		132			
133	11:14	Effective	75		133			
134	11:15	Effective	75		134			
135	11:16	Effective	75		135			
136	11:17	Effective	75		136			
137	11:18	Effective	75		137			
138	11:19	Effective	75		138			
139	11:20	Effective	75		139			
140	11:21	Effective	75		140			
141	11:22	Ineffective			141			
142	11:23	Ineffective			142			
143	11:24	Ineffective			143			
144	11:25	Effective	75		144			
145	11:26	Effective	75		145			
146	11:27	Effective	75		146			
147	11:28	Effective	75		147			
148	11:29	Effective	75		148			
149	11:30	Effective	75		149			
150	11:31	Effective	75		150			
			effective work	110				effective work
			ineffective work	40				ineffective work
			total time	150				total time

RELAXATION ALLOWANCE			
No : 7a	Waktu Mulai : 09.02	Atul = 3.011 m2	
TggI : 20 Juni 2012	Waktu Selesai : 11.31	= m2	
PEKERJA			
Atul			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	2	Konsentrasi	
Lingkungan, Pencahayaan	5	Lingkungan, Pencahayaan	
Kebisingan	0	Kebisingan	
Suhu	10	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	34	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 20 JUNI 2012							
Waktu Mulai : 09.02				Waktu Selesai : 11.31			
Nama Pekerja	Kategori	No	Rated	<i>Basic Time</i>	<i>T. Allowance</i>	<i>Standard Time</i>	Volume
Atul	<i>effective</i>	110	75	82,5	34	110,55	3,011
	<i>ineffective</i>	40					
	<i>total</i>	150	75	82,5			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						110,55	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 20 JUNI 2012					
Waktu Mulai : 09.02			Waktu Selesai : 11.31		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Atul	3,011	36,7154	0,6119	11,4393	0,0874
Rata-rata				11,4393	0,0874

RATED ACTIVITY SAMPLING OBSERVATION SHEET									
NO	: 7b	Waktu Mulai	: 13.18	Sugi = 2.744 m2					
TggL	: 20 Juni 2012	Waktu Selesai	: 15.35	= m2					
PEKERJA									
Sugi									
No	Waktu	ACT	Rate	BT	No	Waktu	ACT	Rate	BT
1	13:18	Effective	75	69,75	1				
2	13:19	Effective	75		2				
3	13:20	Effective	75		3				
4	13:21	Effective	75		4				
5	13:22	Effective	75		5				
6	13:23	Effective	75		6				
7	13:24	Effective	75		7				
8	13:25	Effective	75		8				
9	13:26	Ineffective			9				
10	13:27	Ineffective			10				
11	13:28	Ineffective			11				
12	13:29	Ineffective			12				
13	13:30	Effective	75		13				
14	13:31	Effective	75		14				
15	13:32	Effective	75		15				
16	13:33	Effective	75		16				
17	13:34	Effective	75		17				
18	13:35	Effective	75		18				
19	13:36	Effective	75		19				
20	13:37	Effective	75		20				
21	13:38	Effective	75		21				
22	13:39	Effective	75		22				
23	13:40	Effective	75		23				
24	13:41	Effective	75		24				
25	13:42	Effective	75		25				
26	13:43	Effective	75		26				
27	13:44	Effective	75		27				
28	13:45	Effective	75		28				
29	13:46	Effective	75		29				
30	13:47	Effective	75		30				
31	13:48	Effective	75		31				
32	13:49	Effective	75		32				
33	13:50	Effective	75		33				
34	13:51	Effective	75		34				
35	13:52	Effective	75		35				
36	13:53	Effective	75		36				
37	13:54	Effective	75		37				
38	13:55	Effective	75		38				
39	13:56	Effective	75		39				

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

86	14:43	Ineffective		86			
87	14:44	Ineffective		87			
88	14:45	Ineffective		88			
89	14:46	Ineffective		89			
90	14:47	Ineffective		90			
91	14:48	Ineffective		91			
92	14:49	Effective	75	92			
93	14:50	Effective	75	93			
94	14:51	Effective	75	94			
95	14:52	Effective	75	95			
96	14:53	Effective	75	96			
97	14:54	Effective	75	97			
98	14:55	Effective	75	98			
99	14:56	Effective	75	99			
100	14:57	Effective	75	100			
101	14:58	Effective	75	101			
102	14:59	Effective	75	102			
103	15:00	Effective	75	103			
104	15:01	Effective	75	104			
105	15:02	Effective	75	105			
106	15:03	Effective	75	106			
107	15:04	Effective	75	107			
108	15:05	Effective	75	108			
109	15:06	Effective	75	109			
110	15:07	Effective	75	110			
111	15:08	Effective	75	111			
112	15:09	Effective	75	112			
113	15:10	Effective	75	113			
114	15:11	Effective	75	114			
115	15:12	Effective	75	115			
116	15:13	Ineffective		116			
117	15:14	Ineffective		117			
118	15:15	Effective	75	118			
119	15:16	Effective	75	119			
120	15:17	Effective	75	120			
121	15:18	Effective	75	121			
122	15:19	Effective	75	122			
123	15:20	Effective	75	123			
124	15:21	Effective	75	124			
125	15:22	Effective	75	125			
126	15:23	Effective	75	126			
127	15:24	Effective	75	127			
128	15:25	Effective	75	128			
129	15:26	Effective	75	129			
130	15:27	Ineffective		130			
131	15:28	Ineffective		131			

132	15:29	Effective	75		132			
133	15:30	Effective	75		133			
134	15:31	Effective	75		134			
135	15:32	Effective	75		135			
136	15:33	Ineffective			136			
137	15:34	Ineffective			137			
138	15:35	Ineffective			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 work</i>				93	<i>effective work</i>			
<i>ineffective work</i>				45	<i>ineffective work</i>			
<i>total time</i>				138	<i>total time</i>			

RELAXATION ALLOWANCE			
No : 7b	Waktu Mulai : 13.18	Sugi = 2.744 m2	
TggI : 20 Juni 2012	Waktu Selesai : 15.35	= m2	
PEKERJA			
Sugi			
Kondisi	% Relaxation	Kondisi	% Relaxation
Standar	8	Standar	
Posisi Kerja	2	Posisi Kerja	
Konsentrasi	2	Konsentrasi	
Lingkungan, Pencahaya-an	2	Lingkungan, Pencahaya-an	
Kebisingan	2	Kebisingan	
Suhu	20	Suhu	
Tenaga	1	Tenaga	
Kebosanan	1	Kebosanan	
Contingency Allowance	5	Contingency Allowance	
TOTAL	43	TOTAL	

SUMMARY SHEET							
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 20 JUNI 2012							
Waktu Mulai : 13.18				Waktu Selesai : 15.35			
Nama Pekerja	Kategori	No	Rated	<i>Basic Time</i>	<i>T. Allowance</i>	<i>Standard Time</i>	Volume
Sugi	<i>effective</i>	93	75	69,75	43	99,7425	2,744
	<i>ineffective</i>	45					
	<i>total</i>	138	75	69,75			
	<i>effective</i>						
	<i>ineffective</i>						
	<i>total</i>						
Rata-rata						99,7425	

PRODUCTIVITY SHEET					
PEKERJAAN PASANGAN BATA RINGAN TANGGAL 20 JUNI 2012					
Waktu Mulai : 13.18			Waktu Selesai : 15.35		
Nama Pekerja	Volume (m²)	Manminute (manminute/m²)	Manhour (manhour/m²)	Produktivitas (m²/org/hari)	Koef (OH)
Sugi	2,744	36,3493	0,6058	11,5546	0,0865
Rata-rata				11,5546	0,0865

**TOTAL VOLUME PEKERJA PADA PEKERJAAN PASANGAN BATA MERAH
PROYEK PERUMAHAN KAMPUNG AMBARUKMO 3 (m2)**

HARI	1	2	3	4	5	6	7	JUMLAH (m ²)			
PAGI	2,821	1,5125	2,3107	2,4975	2,5379	2,6712	1,232	1,885	3,011	20,4788	
SIANG	2,385	1,9864	1,9992	0,3452	1,4193	0,5389	1,0283	2,0981	1,2274	2,744	15,7718
											36,2506

Analisis Harga Satuan Proyek Kampung Ambarukmo 3

NO	Pekerjaan	Koefisien	Satuan	Harga Satuan (Rp)	Jumlah Harga (Rp)
1	1 m² Pasangan Dinding 1/2 Bata, 1 PC : 6 Ps				
	Bata Merah (dlm buah)	75,5	buah	500	37750
	Semen PC (dlm kg)	12	kg	1187,5	14137
	Pasir Pasang (dlm m3)	0,043	m3	145000	6214
	Pekerja (dlm orang)	0,1480	orang	Bahan 40000	5922
				Upah	
				Jumlah	64023