

BAB V

KESIMPULAN DAN SARAN

V.1. Kesimpulan

Dari pengambilan dan analisis data pada dua proyek pekerjaan Dak Keraton yang telah dilakukan, hasil yang diperoleh adalah sebagai berikut:

1. Pekerjaan perakitan Dak Keraton:

- *Standart Time* tukang adalah 386,11 menit,
- *Standart Time* pekerja adalah 387,22 menit,
- Produktivitas tukang adalah $5,0490 \text{ m}^2/\text{orang/ hari}$
- Produktivitas pekerja adalah $5,0105 \text{ m}^2/\text{orang/hari}$
- Koefisien tukang adalah 0,2026 OH
- Koefisien pekerja adalah 0,2035 OH

2. Pekerjaan pengecoran Dak Keraton:

- *Standart Time* tukang adalah 368,69 menit,
- *Standart Time* pekerja adalah 344,97 menit,
- Produktivitas tukang adalah $14,3189 \text{ m}^2/\text{orang/ hari}$
- Produktivitas pekerja adalah $15,2265 \text{ m}^2/\text{orang/hari}$
- Koefisien tukang adalah 0,0705 OH
- Koefisien pekerja adalah 0,0664 OH

Angka produktivitas menunjukkan keterkaitan antara waktu yang diperlukan dengan volume pekerjaan yang dikerjakan. Berdasarkan angka produktivitas di atas, dapat disimpulkan bahwa pekerjaan perakitan Dak Keraton

untuk volume yang sama memerlukan waktu yang lebih banyak daripada pekerjaan pengecoran Dak Keraton. Hal ini tentu saja terkait dengan pengalaman kerja, baik tukang maupun pekerja seperti yang telah diuraikan sebelumnya.

V.2. Saran

Dari penelitian yang telah dilakukan, berikut adalah saran-saran dari penulis sebagai masukan untuk penelitian selanjutnya, agar memperoleh hasil yang lebih baik.

1. Jumlah proyek yang diamati sebaiknya ditambah, agar hasil yang didapat lebih akurat.
2. Diusahakan untuk mencari proyek dengan luasan yang cukup besar, agar dapat membandingkan hasil dari perhitungan proyek yang memiliki luasan kecil dengan yang luasan besar.
3. Sebaiknya dilakukan pengukuran temperatur udara ketika melakukan pengamatan di lapangan, agar persentase *allowance* dapat ditentukan dengan tepat.
4. Sebaiknya penelitian juga dilakukan dalam kondisi cuaca yang bervariasi seperti cerah, mendung, atau hujan; atau dalam musim yang berbeda seperti musim hujan dan kemarau, sehingga bisa ditentukan nilai produktivitas pekerja dalam satu tahun yang nantinya menjadi patokan untuk proyek konstruksi yang berskala lebih besar.

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LAMPIRAN

Lampiran 1. Contoh Lembar Observasi

OBSERVATION SHEET							
No :		Waktu mulai :		Jenis Pekerjaan :			
Tgl :		Waktu selesai :		Cuaca :		Luasan :	
No.	Waktu	Tukang/Pekerja					
		ATC	Rating	ATC	Rating	ATC	Rating
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Lampiran 2. Contoh *Summary Sheet*

SUMMARY SHEET							
Jenis Pekerjaan :				Tanggal :			
Waktu mulai :				Waktu Selesai :			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Rata - Rata							

Lampiran 3. Contoh *Productivity Sheet*

<i>PRODUCTIVITY SHEET</i>					
Jenis Pekerjaan :			Tanggal :		
Waktu mulai :			Waktu Selesai :		
Nama Pekerja	Volume (m ²)	<i>Manminute</i> (menit/m ²)	<i>Manhour</i> (jam/m ²)	Produktivitas (m ² /orang/hari)	Koefisien (OH)
Rata – Rata Tukang					
Rata – Rata Pekerja					

Lampiran 4. Contoh Lembar Rekap Data

SUMMARY					
Waktu mulai:			Waktu selesai:		
Hari	1	2	3	4	Rata-rata
Rata – Rata Tukang					
Rata – Rata Pekerja					



PROYEK 1

OBSERVATION SHEET							
No : 1		Waktu mulai : 08.00		Jenis Pekerjaan : Perakitan Dak Keraton			
Tgl : 13/4/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 4.8 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Suyanto		Pak Walkidi		Pak Ponidi	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		ineffective	
3	8:02:00	ineffective		ineffective		ineffective	
4	8:03:00	ineffective		ineffective		ineffective	
5	8:04:00	ineffective		ineffective		ineffective	
6	8:05:00	ineffective		ineffective		ineffective	
7	8:06:00	ineffective		ineffective		ineffective	
8	8:07:00	ineffective		ineffective		ineffective	
9	8:08:00	ineffective		ineffective		ineffective	
10	8:09:00	ineffective		ineffective		ineffective	
11	8:10:00	ineffective		ineffective		ineffective	
12	8:11:00	ineffective		ineffective		ineffective	
13	8:12:00	ineffective		ineffective		ineffective	
14	8:13:00	ineffective		ineffective		ineffective	
15	8:14:00	ineffective		ineffective		ineffective	
16	8:15:00	ineffective		ineffective		ineffective	
17	8:16:00	ineffective		ineffective		ineffective	
18	8:17:00	ineffective		ineffective		ineffective	
19	8:18:00	ineffective		ineffective		ineffective	
20	8:19:00	ineffective		ineffective		ineffective	
21	8:20:00	ineffective		ineffective		ineffective	
22	8:21:00	ineffective		ineffective		ineffective	
23	8:22:00	ineffective		ineffective		ineffective	
24	8:23:00	ineffective		ineffective		ineffective	
25	8:24:00	ineffective		ineffective		ineffective	
26	8:25:00	ineffective		ineffective		ineffective	
27	8:26:00	ineffective		ineffective		ineffective	
28	8:27:00	ineffective		ineffective		ineffective	
29	8:28:00	ineffective		ineffective		ineffective	
30	8:29:00	ineffective		ineffective		ineffective	
31	8:30:00	ineffective		ineffective		ineffective	
32	8:31:00	ineffective		ineffective		ineffective	
33	8:32:00	ineffective		ineffective		ineffective	
34	8:33:00	ineffective		ineffective		ineffective	
35	8:34:00	ineffective		ineffective		ineffective	
36	8:35:00	ineffective		ineffective		ineffective	
37	8:36:00	ineffective		ineffective		ineffective	
38	8:37:00	ineffective		ineffective		ineffective	
39	8:38:00	ineffective		ineffective		ineffective	
40	8:39:00	ineffective		ineffective		ineffective	
41	8:40:00	ineffective		ineffective		ineffective	

42	8:41:00	ineffective	ineffective	ineffective
43	8:42:00	ineffective	ineffective	ineffective
44	8:43:00	ineffective	ineffective	ineffective
45	8:44:00	ineffective	ineffective	ineffective
46	8:45:00	ineffective	ineffective	ineffective
47	8:46:00	ineffective	ineffective	ineffective
48	8:47:00	ineffective	ineffective	ineffective
49	8:48:00	ineffective	ineffective	ineffective
50	8:49:00	ineffective	ineffective	ineffective
51	8:50:00	ineffective	ineffective	ineffective
52	8:51:00	ineffective	ineffective	ineffective
53	8:52:00	ineffective	ineffective	ineffective
54	8:53:00	ineffective	ineffective	ineffective
55	8:54:00	ineffective	ineffective	ineffective
56	8:55:00	ineffective	ineffective	ineffective
57	8:56:00	ineffective	ineffective	ineffective
58	8:57:00	ineffective	ineffective	ineffective
59	8:58:00	ineffective	ineffective	ineffective
60	8:59:00	ineffective	ineffective	ineffective
61	9:00:00	ineffective	ineffective	ineffective
62	9:01:00	ineffective	ineffective	ineffective
63	9:02:00	ineffective	ineffective	ineffective
64	9:03:00	ineffective	ineffective	ineffective
65	9:04:00	ineffective	ineffective	ineffective
66	9:05:00	ineffective	ineffective	ineffective
67	9:06:00	ineffective	ineffective	ineffective
68	9:07:00	ineffective	ineffective	ineffective
69	9:08:00	ineffective	ineffective	ineffective
70	9:09:00	ineffective	ineffective	ineffective
71	9:10:00	ineffective	ineffective	ineffective
72	9:11:00	ineffective	ineffective	ineffective
73	9:12:00	ineffective	ineffective	ineffective
74	9:13:00	ineffective	ineffective	ineffective
75	9:14:00	ineffective	ineffective	ineffective
76	9:15:00	ineffective	ineffective	ineffective
77	9:16:00	ineffective	ineffective	ineffective
78	9:17:00	ineffective	ineffective	ineffective
79	9:18:00	ineffective	ineffective	ineffective
80	9:19:00	ineffective	ineffective	ineffective
81	9:20:00	ineffective	ineffective	ineffective
82	9:21:00	ineffective	ineffective	ineffective
83	9:22:00	ineffective	ineffective	ineffective
84	9:23:00	ineffective	ineffective	ineffective
85	9:24:00	ineffective	ineffective	ineffective
86	9:25:00	ineffective	ineffective	ineffective
87	9:26:00	ineffective	ineffective	ineffective
88	9:27:00	ineffective	effective	effective

89	9:28:00	ineffective		effective	75	effective	75
90	9:29:00	effective	75	effective	75	effective	75
91	9:30:00	effective	75	effective	75	effective	75
92	9:31:00	effective	75	effective	75	effective	75
93	9:32:00	effective	75	effective	75	effective	75
94	9:33:00	effective	75	effective	75	effective	75
95	9:34:00	effective	75	effective	75	effective	75
96	9:35:00	effective	75	effective	75	effective	75
97	9:36:00	effective	75	effective	75	effective	75
98	9:37:00	effective	75	effective	75	effective	75
99	9:38:00	effective	75	effective	75	effective	100
100	9:39:00	effective	75	effective	75	effective	100
101	9:40:00	effective	75	effective	75	effective	100
102	9:41:00	effective	75	effective	75	effective	100
103	9:42:00	effective	75	effective	75	effective	100
104	9:43:00	effective	75	effective	75	effective	100
105	9:44:00	ineffective	75	ineffective		effective	100
106	9:45:00	effective	75	effective	100	effective	100
107	9:46:00	effective	75	effective	100	effective	100
108	9:47:00	effective	75	effective	100	effective	100
109	9:48:00	effective	75	effective	100	effective	100
110	9:49:00	effective	75	effective	100	effective	100
111	9:50:00	effective	75	effective	100	effective	100
112	9:51:00	effective	75	effective	100	effective	100
113	9:52:00	effective	75	effective	100	effective	100
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115	9:54:00	effective	75	effective	100	effective	100
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117	9:56:00	effective	75	effective	100	effective	100
118	9:57:00	effective	75	effective	100	effective	100
119	9:58:00	effective	75	effective	100	effective	100
120	9:59:00	effective	75	effective	100	ineffective	
121	10:00:00	ineffective		effective	100	effective	100
122	10:01:00	ineffective		effective	100	effective	100
123	10:02:00	ineffective		effective	100	effective	100
124	10:03:00	ineffective		effective	100	effective	100
125	10:04:00	ineffective		effective	100	effective	100
126	10:05:00	effective	75	effective	100	effective	100
127	10:06:00	effective	75	effective	100	effective	100
128	10:07:00	effective	100	effective	100	effective	100
129	10:08:00	effective	100	effective	100	effective	100
130	10:09:00	effective	100	effective	100	effective	100
131	10:10:00	effective	100	effective	100	ineffective	
132	10:11:00	effective	100	effective	100	ineffective	
133	10:12:00	effective	100	effective	100	effective	100
134	10:13:00	effective	100	effective	100	effective	100
135	10:14:00	effective	100	effective	100	effective	100

136	10:15:00	effective	100	effective	100	effective	100
137	10:16:00	effective	100	effective	100	effective	100
138	10:17:00	effective	100	effective	100	effective	100
139	10:18:00	effective	100	effective	100	effective	100
140	10:19:00	effective	100	effective	100	effective	100
141	10:20:00	ineffective		ineffective		effective	100
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158	10:37:00	ineffective		effective	100	ineffective	
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161	10:40:00	effective	100	ineffective		effective	100
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163	10:42:00	effective	100	effective	100	effective	100
164	10:43:00	effective	100	effective	100	effective	100
165	10:44:00	effective	100	effective	100	effective	100
166	10:45:00	effective	100	effective	100	effective	100
167	10:46:00	effective	100	effective	100	effective	100
168	10:47:00	effective	100	effective	100	effective	100
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173	10:52:00	effective	100	effective	100	effective	100
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179	10:58:00	effective	100	effective	100	effective	100
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182	11:01:00	effective	100	effective	100	effective	100

183	11:02:00	effective	100	effective	100	effective	100
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185	11:04:00	effective	100	effective	100	effective	100
186	11:05:00	effective	100	effective	100	effective	100
187	11:06:00	effective	100	effective	100	effective	100
188	11:07:00	effective	100	effective	100	effective	100
189	11:08:00	effective	100	effective	100	effective	100
190	11:09:00	effective	100	effective	100	effective	100
191	11:10:00	effective	100	effective	100	effective	100
192	11:11:00	effective	100	effective	100	ineffective	
193	11:12:00	effective	100	effective	100	effective	100
194	11:13:00	effective	100	effective	100	effective	100
195	11:14:00	ineffective		effective	100	effective	100
196	11:15:00	ineffective		effective	100	effective	100
197	11:16:00	ineffective		effective	100	effective	100
198	11:17:00	effective	100	effective	100	effective	100
199	11:18:00	effective	100	effective	100	effective	100
200	11:19:00	effective	100	effective	100	effective	100
201	11:20:00	effective	100	effective	100	effective	100
202	11:21:00	effective	100	effective	100	effective	100
203	11:22:00	effective	100	effective	100	effective	100
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205	11:24:00	effective	100	effective	100	effective	100
206	11:25:00	effective	100	effective	100	effective	100
207	11:26:00	effective	100	effective	100	effective	100
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209	11:28:00	effective	100	effective	100	effective	100
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211	11:30:00	effective	100	effective	100	effective	100
212	11:31:00	effective	100	effective	100	effective	100
213	11:32:00	ineffective		ineffective		effective	100
214	11:33:00	effective	100	effective	100	effective	100
215	11:34:00	effective	100	effective	100	effective	100
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217	11:36:00	effective	100	effective	100	ineffective	
218	11:37:00	effective	100	effective	100	effective	100
219	11:38:00	effective	100	effective	100	effective	100
220	11:39:00	effective	100	effective	100	effective	100
221	11:40:00	effective	75	effective	100	effective	100
222	11:41:00	effective	75	effective	100	effective	75
223	11:42:00	effective	75	effective	100	effective	75
224	11:43:00	effective	75	effective	100	effective	75
225	11:44:00	effective	75	effective	75	effective	75
226	11:45:00	effective	75	effective	75	effective	75
227	11:46:00	effective	75	effective	75	effective	75
228	11:47:00	effective	75	effective	75	ineffective	
229	11:48:00	ineffective		effective	75	ineffective	

230	11:49:00	ineffective	ineffective	ineffective
231	11:50:00	ineffective	ineffective	ineffective
232	11:51:00	ineffective	ineffective	ineffective
233	11:52:00	ineffective	ineffective	ineffective
234	11:53:00	ineffective	ineffective	ineffective
235	11:54:00	ineffective	ineffective	ineffective
236	11:55:00	ineffective	ineffective	ineffective
237	11:56:00	ineffective	ineffective	ineffective
238	11:57:00	ineffective	ineffective	ineffective
239	11:58:00	ineffective	ineffective	ineffective
240	11:59:00	ineffective	ineffective	ineffective
241	12:00:00	ineffective	ineffective	ineffective
242	12:01:00	ineffective	ineffective	ineffective
243	12:02:00	ineffective	ineffective	ineffective
244	12:03:00	ineffective	ineffective	ineffective
245	12:04:00	ineffective	ineffective	ineffective
246	12:05:00	ineffective	ineffective	ineffective
247	12:06:00	ineffective	ineffective	ineffective
248	12:07:00	ineffective	ineffective	ineffective
249	12:08:00	ineffective	ineffective	ineffective
250	12:09:00	ineffective	ineffective	ineffective
251	12:10:00	ineffective	ineffective	ineffective
252	12:11:00	ineffective	ineffective	ineffective
253	12:12:00	ineffective	ineffective	ineffective
254	12:13:00	ineffective	ineffective	ineffective
255	12:14:00	ineffective	ineffective	ineffective
256	12:15:00	ineffective	ineffective	ineffective
257	12:16:00	ineffective	ineffective	ineffective
258	12:17:00	ineffective	ineffective	ineffective
259	12:18:00	ineffective	ineffective	ineffective
260	12:19:00	ineffective	ineffective	ineffective
261	12:20:00	ineffective	ineffective	ineffective
262	12:21:00	ineffective	ineffective	ineffective
263	12:22:00	ineffective	ineffective	ineffective
264	12:23:00	ineffective	ineffective	ineffective
265	12:24:00	ineffective	ineffective	ineffective
266	12:25:00	ineffective	ineffective	ineffective
267	12:26:00	ineffective	ineffective	ineffective
268	12:27:00	ineffective	ineffective	ineffective
269	12:28:00	ineffective	ineffective	ineffective
270	12:29:00	ineffective	ineffective	ineffective
271	12:30:00	ineffective	ineffective	ineffective
272	12:31:00	ineffective	ineffective	ineffective
273	12:32:00	ineffective	ineffective	ineffective
274	12:33:00	ineffective	ineffective	ineffective
275	12:34:00	ineffective	ineffective	ineffective
276	12:35:00	ineffective	ineffective	ineffective

277	12:36:00	ineffective		ineffective		ineffective	
278	12:37:00	ineffective		ineffective		ineffective	
279	12:38:00	ineffective		ineffective		ineffective	
280	12:39:00	ineffective		ineffective		ineffective	
281	12:40:00	ineffective		ineffective		ineffective	
282	12:41:00	ineffective		ineffective		ineffective	
283	12:42:00	ineffective		ineffective		ineffective	
284	12:43:00	ineffective		ineffective		ineffective	
285	12:44:00	ineffective		ineffective		ineffective	
286	12:45:00	ineffective		ineffective		ineffective	
287	12:46:00	ineffective		ineffective		ineffective	
288	12:47:00	ineffective		ineffective		ineffective	
289	12:48:00	ineffective		ineffective		ineffective	
290	12:49:00	ineffective		ineffective		ineffective	
291	12:50:00	ineffective		ineffective		ineffective	
292	12:51:00	ineffective		ineffective		ineffective	
293	12:52:00	ineffective		ineffective		ineffective	
294	12:53:00	ineffective		ineffective		ineffective	
295	12:54:00	ineffective		ineffective		ineffective	
296	12:55:00	ineffective		ineffective		ineffective	
297	12:56:00	ineffective		ineffective		ineffective	
298	12:57:00	ineffective		ineffective		ineffective	
299	12:58:00	ineffective		ineffective		ineffective	
300	12:59:00	ineffective		ineffective		ineffective	
301	13:00:00	ineffective		ineffective		ineffective	
302	13:01:00	ineffective		effective	75	effective	75
303	13:02:00	ineffective		effective	75	effective	75
304	13:03:00	effective	75	effective	75	effective	75
305	13:04:00	effective	75	effective	75	effective	75
306	13:05:00	effective	75	effective	75	effective	75
307	13:06:00	effective	75	effective	75	ineffective	
308	13:07:00	effective	75	effective	75	ineffective	
309	13:08:00	effective	75	effective	75	effective	100
310	13:09:00	effective	75	effective	75	effective	100
311	13:10:00	effective	75	effective	75	effective	100
312	13:11:00	effective	75	effective	75	effective	100
313	13:12:00	effective	75	ineffective		effective	100
314	13:13:00	effective	75	effective	100	effective	100
315	13:14:00	effective	75	effective	100	effective	100
316	13:15:00	effective	75	effective	100	effective	100
317	13:16:00	effective	75	effective	100	effective	100
318	13:17:00	effective	75	effective	100	effective	100
319	13:18:00	ineffective		effective	100	effective	100
320	13:19:00	effective	100	effective	100	effective	100
321	13:20:00	effective	100	effective	100	effective	100
322	13:21:00	effective	100	effective	100	effective	100
323	13:22:00	effective	100	effective	100	effective	100

324	13:23:00	effective	100	effective	100	effective	100
325	13:24:00	effective	100	effective	100	effective	100
326	13:25:00	ineffective		ineffective		ineffective	
327	13:26:00	ineffective		ineffective		ineffective	
328	13:27:00	effective	100	effective	100	effective	100
329	13:28:00	effective	100	effective	100	effective	100
330	13:29:00	effective	100	effective	100	effective	100
331	13:30:00	effective	100	effective	100	effective	100
332	13:31:00	effective	100	effective	100	effective	100
333	13:32:00	effective	100	effective	100	effective	100
334	13:33:00	effective	100	effective	100	ineffective	
335	13:34:00	effective	100	effective	100	effective	100
336	13:35:00	effective	100	effective	100	effective	100
337	13:36:00	ineffective		effective	100	effective	100
338	13:37:00	ineffective		effective	100	effective	100
339	13:38:00	ineffective		effective	100	effective	100
340	13:39:00	effective	100	effective	100	effective	100
341	13:40:00	effective	100	effective	100	effective	100
342	13:41:00	effective	100	effective	100	effective	100
343	13:42:00	effective	100	effective	100	effective	100
344	13:43:00	effective	100	effective	100	effective	100
345	13:44:00	effective	100	effective	100	effective	100
346	13:45:00	effective	100	effective	100	effective	100
347	13:46:00	effective	100	effective	100	effective	100
348	13:47:00	effective	100	effective	100	effective	100
349	13:48:00	effective	100	effective	100	effective	100
350	13:49:00	effective	100	effective	100	effective	100
351	13:50:00	effective	100	effective	100	effective	100
352	13:51:00	effective	100	effective	100	effective	100
353	13:52:00	effective	100	effective	100	ineffective	
354	13:53:00	effective	100	effective	100	ineffective	
355	13:54:00	ineffective		ineffective		effective	100
356	13:55:00	effective	100	effective	100	effective	100
357	13:56:00	effective	100	effective	100	effective	100
358	13:57:00	effective	100	effective	100	effective	100
359	13:58:00	effective	100	effective	100	effective	100
360	13:59:00	effective	100	effective	100	effective	100
361	14:00:00	effective	100	effective	100	effective	100
362	14:01:00	effective	100	effective	100	effective	100
363	14:02:00	effective	100	effective	100	effective	100
364	14:03:00	effective	100	effective	100	effective	100
365	14:04:00	effective	100	effective	100	effective	100
366	14:05:00	effective	100	effective	100	effective	100
367	14:06:00	effective	100	effective	100	effective	100
368	14:07:00	effective	100	effective	100	effective	100
369	14:08:00	effective	100	effective	100	effective	100
370	14:09:00	effective	100	effective	100	ineffective	

371	14:10:00	effective	100	effective	100	effective	100
372	14:11:00	ineffective		effective	100	effective	100
373	14:12:00	ineffective		effective	100	effective	100
374	14:13:00	ineffective		effective	100	effective	100
375	14:14:00	ineffective		effective	100	effective	100
376	14:15:00	effective	100	effective	100	effective	100
377	14:16:00	effective	100	effective	100	effective	100
378	14:17:00	effective	100	effective	100	effective	100
379	14:18:00	effective	100	effective	100	effective	100
380	14:19:00	effective	100	effective	100	effective	100
381	14:20:00	effective	100	effective	100	effective	100
382	14:21:00	effective	100	effective	100	effective	100
383	14:22:00	effective	100	effective	100	effective	100
384	14:23:00	effective	100	effective	100	effective	100
385	14:24:00	effective	100	effective	100	effective	100
386	14:25:00	effective	100	effective	100	effective	100
387	14:26:00	effective	100	effective	100	effective	100
388	14:27:00	effective	100	effective	100	effective	100
389	14:28:00	effective	100	effective	100	effective	100
390	14:29:00	effective	100	ineffective		ineffective	
391	14:30:00	ineffective		ineffective		effective	100
392	14:31:00	effective	100	effective	100	effective	100
393	14:32:00	effective	100	effective	100	effective	100
394	14:33:00	effective	100	effective	100	effective	100
395	14:34:00	effective	100	effective	100	effective	100
396	14:35:00	effective	100	effective	100	effective	100
397	14:36:00	effective	100	effective	100	effective	100
398	14:37:00	effective	100	effective	100	effective	100
399	14:38:00	effective	100	effective	100	effective	100
400	14:39:00	ineffective		effective	100	effective	100
401	14:40:00	effective	100	effective	100	effective	100
402	14:41:00	effective	100	effective	100	effective	100
403	14:42:00	effective	100	effective	100	effective	100
404	14:43:00	effective	100	effective	100	effective	100
405	14:44:00	effective	100	ineffective		effective	100
406	14:45:00	effective	100	effective	100	ineffective	
407	14:46:00	effective	100	effective	100	effective	100
408	14:47:00	effective	100	effective	100	effective	100
409	14:48:00	effective	100	effective	100	effective	100
410	14:49:00	ineffective		effective	100	effective	100
411	14:50:00	ineffective		effective	100	effective	100
412	14:51:00	effective	100	effective	100	effective	100
413	14:52:00	effective	100	effective	100	effective	100
414	14:53:00	effective	100	effective	100	effective	100
415	14:54:00	effective	100	effective	100	effective	100
416	14:55:00	effective	100	effective	100	effective	100
417	14:56:00	effective	100	effective	100	effective	100

418	14:57:00	effective	100	effective	100	effective	100
419	14:58:00	effective	100	effective	100	effective	100
420	14:59:00	effective	100	effective	100	ineffective	
421	15:00:00	effective	100	effective	100	ineffective	
422	15:01:00	effective	100	effective	100	ineffective	
423	15:02:00	effective	100	effective	100	effective	100
424	15:03:00	effective	100	effective	100	effective	100
425	15:04:00	effective	100	effective	100	effective	100
426	15:05:00	effective	100	ineffective		effective	100
427	15:06:00	ineffective		ineffective		effective	100
428	15:07:00	effective	100	effective	100	effective	100
429	15:08:00	effective	100	effective	100	effective	100
430	15:09:00	effective	100	effective	100	effective	100
431	15:10:00	effective	100	effective	100	effective	100
432	15:11:00	effective	100	effective	100	effective	100
433	15:12:00	effective	100	effective	100	effective	100
434	15:13:00	effective	100	effective	100	effective	100
435	15:14:00	effective	100	effective	100	effective	100
436	15:15:00	effective	100	ineffective		effective	100
437	15:16:00	effective	100	effective	100	effective	100
438	15:17:00	effective	100	effective	100	effective	100
439	15:18:00	effective	100	effective	100	effective	100
440	15:19:00	effective	100	effective	100	effective	100
441	15:20:00	effective	100	effective	100	effective	100
442	15:21:00	effective	100	effective	100	ineffective	
443	15:22:00	ineffective		effective	100	effective	75
444	15:23:00	ineffective		effective	100	effective	75
445	15:24:00	effective	75	effective	100	effective	75
446	15:25:00	effective	75	effective	100	effective	75
447	15:26:00	effective	75	effective	75	effective	75
448	15:27:00	effective	75	effective	75	effective	75
449	15:28:00	effective	75	effective	75	effective	75
450	15:29:00	effective	75	effective	75	effective	75
451	15:30:00	effective	75	effective	75	effective	75
452	15:31:00	effective	75	effective	75	effective	75
453	15:32:00	effective	75	effective	75	effective	75
454	15:33:00	effective	75	effective	75	effective	75
455	15:34:00	effective	75	effective	75	effective	75
456	15:35:00	ineffective		ineffective		ineffective	
457	15:36:00	ineffective		ineffective		ineffective	
458	15:37:00	ineffective		ineffective		ineffective	
459	15:38:00	ineffective		ineffective		ineffective	
460	15:39:00	ineffective		ineffective		ineffective	
461	15:40:00	ineffective		ineffective		ineffective	
462	15:41:00	ineffective		ineffective		ineffective	
463	15:42:00	ineffective		ineffective		ineffective	
464	15:43:00	ineffective		ineffective		ineffective	

465	15:44:00	ineffective	ineffective	ineffective
466	15:45:00	ineffective	ineffective	ineffective
467	15:46:00	ineffective	ineffective	ineffective
468	15:47:00	ineffective	ineffective	ineffective
469	15:48:00	ineffective	ineffective	ineffective
470	15:49:00	ineffective	ineffective	ineffective
471	15:50:00	ineffective	ineffective	ineffective
472	15:51:00	ineffective	ineffective	ineffective
473	15:52:00	ineffective	ineffective	ineffective
474	15:53:00	ineffective	ineffective	ineffective
475	15:54:00	ineffective	ineffective	ineffective
476	15:55:00	ineffective	ineffective	ineffective
477	15:56:00	ineffective	ineffective	ineffective
478	15:57:00	ineffective	ineffective	ineffective
479	15:58:00	ineffective	ineffective	ineffective
480	15:59:00	ineffective	ineffective	ineffective
481	16:00:00	ineffective	ineffective	ineffective

OBSERVATION SHEET							
No : 2		Waktu mulai : 08.00		Jenis Pekerjaan : Perakitan Dak Keraton			
Tgl : 14/4/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 6 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Suyanto		Pak Walkidi		Pak Ponidi	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		ineffective	
3	8:02:00	effective	75	effective	75	effective	75
4	8:03:00	effective	75	effective	75	effective	75
5	8:04:00	effective	75	effective	75	effective	75
6	8:05:00	effective	75	effective	75	effective	75
7	8:06:00	effective	75	effective	75	effective	75
8	8:07:00	effective	75	effective	75	effective	75
9	8:08:00	effective	75	effective	75	effective	75
10	8:09:00	effective	75	effective	75	effective	75
11	8:10:00	effective	75	effective	75	effective	75
12	8:11:00	effective	75	effective	75	effective	75
13	8:12:00	effective	75	effective	75	effective	75
14	8:13:00	effective	75	effective	75	effective	75
15	8:14:00	effective	75	effective	75	effective	75
16	8:15:00	effective	75	effective	75	effective	75
17	8:16:00	effective	75	effective	75	effective	75
18	8:17:00	effective	75	ineffective		effective	100
19	8:18:00	effective	75	ineffective		effective	100
20	8:19:00	effective	75	effective	75	effective	100
21	8:20:00	effective	75	effective	75	effective	100
22	8:21:00	ineffective		effective	100	effective	100
23	8:22:00	ineffective		effective	100	effective	100
24	8:23:00	effective	75	effective	100	effective	100
25	8:24:00	effective	75	effective	100	effective	100
26	8:25:00	effective	75	effective	100	effective	100
27	8:26:00	effective	75	effective	100	effective	100
28	8:27:00	effective	75	effective	100	effective	100
29	8:28:00	effective	75	effective	100	effective	100
30	8:29:00	effective	75	effective	100	effective	100
31	8:30:00	effective	75	effective	100	effective	100
32	8:31:00	effective	75	effective	100	effective	100
33	8:32:00	effective	75	effective	100	effective	100
34	8:33:00	effective	75	effective	100	ineffective	
35	8:34:00	ineffective		effective	100	ineffective	
36	8:35:00	ineffective		effective	100	ineffective	
37	8:36:00	effective	100	effective	100	effective	100
38	8:37:00	effective	100	ineffective		effective	100
39	8:38:00	effective	100	ineffective		effective	100
40	8:39:00	effective	100	effective	100	effective	100
41	8:40:00	effective	100	effective	100	effective	100

42	8:41:00	effective	100	effective	100	effective	100
43	8:42:00	effective	100	effective	100	effective	100
44	8:43:00	effective	100	effective	100	effective	100
45	8:44:00	effective	100	effective	100	effective	100
46	8:45:00	effective	100	effective	100	effective	100
47	8:46:00	effective	100	effective	100	effective	100
48	8:47:00	effective	100	effective	100	effective	100
49	8:48:00	effective	100	effective	100	effective	100
50	8:49:00	effective	100	effective	100	effective	100
51	8:50:00	effective	100	effective	100	effective	100
52	8:51:00	ineffective		ineffective		effective	100
53	8:52:00	effective	100	effective	100	effective	100
54	8:53:00	effective	100	effective	100	effective	100
55	8:54:00	effective	100	effective	100	effective	100
56	8:55:00	effective	100	effective	100	effective	100
57	8:56:00	effective	100	effective	100	effective	100
58	8:57:00	effective	100	effective	100	effective	100
59	8:58:00	effective	100	effective	100	effective	100
60	8:59:00	effective	100	effective	100	effective	100
61	9:00:00	effective	100	effective	100	effective	100
62	9:01:00	effective	100	effective	100	effective	100
63	9:02:00	effective	100	effective	100	effective	100
64	9:03:00	effective	100	effective	100	effective	100
65	9:04:00	effective	100	effective	100	effective	100
66	9:05:00	effective	100	effective	100	effective	100
67	9:06:00	effective	100	effective	100	ineffective	
68	9:07:00	ineffective		effective	100	effective	100
69	9:08:00	ineffective		effective	100	effective	100
70	9:09:00	effective	100	effective	100	effective	100
71	9:10:00	effective	100	effective	100	effective	100
72	9:11:00	effective	100	effective	100	effective	100
73	9:12:00	effective	100	effective	100	effective	100
74	9:13:00	effective	100	effective	100	effective	100
75	9:14:00	effective	100	effective	100	effective	100
76	9:15:00	effective	100	effective	100	effective	100
77	9:16:00	effective	100	effective	100	effective	100
78	9:17:00	effective	100	effective	100	effective	100
79	9:18:00	effective	100	effective	100	effective	100
80	9:19:00	effective	100	effective	100	effective	100
81	9:20:00	effective	100	effective	100	effective	100
82	9:21:00	effective	100	effective	100	effective	100
83	9:22:00	effective	100	ineffective		effective	100
84	9:23:00	ineffective		ineffective		ineffective	
85	9:24:00	ineffective		ineffective		ineffective	
86	9:25:00	ineffective		ineffective		ineffective	
87	9:26:00	ineffective		ineffective		ineffective	
88	9:27:00	effective	75	effective	75	effective	75

89	9:28:00	effective	75	effective	75	effective	75
90	9:29:00	effective	75	effective	75	effective	75
91	9:30:00	effective	75	effective	75	effective	75
92	9:31:00	effective	75	effective	75	effective	75
93	9:32:00	effective	100	effective	100	effective	100
94	9:33:00	effective	100	effective	100	effective	100
95	9:34:00	effective	100	effective	100	effective	100
96	9:35:00	effective	100	effective	100	effective	100
97	9:36:00	effective	100	effective	100	effective	100
98	9:37:00	effective	100	effective	100	effective	100
99	9:38:00	effective	100	effective	100	effective	
100	9:39:00	effective	100	effective	100	ineffective	
101	9:40:00	effective	100	effective	100	effective	100
102	9:41:00	effective	100	effective	100	effective	100
103	9:42:00	effective	100	ineffective		effective	100
104	9:43:00	effective	100	effective	100	effective	100
105	9:44:00	effective	100	effective	100	effective	100
106	9:45:00	effective	100	effective	100	effective	100
107	9:46:00	effective	100	effective	100	effective	100
108	9:47:00	effective	100	effective	100	effective	100
109	9:48:00	effective	100	effective	100	effective	100
110	9:49:00	effective	100	effective	100	effective	100
111	9:50:00	effective	100	effective	100	effective	100
112	9:51:00	effective	100	effective	100	effective	100
113	9:52:00	effective	100	effective	100	effective	100
114	9:53:00	effective	100	effective	100	effective	100
115	9:54:00	effective	100	effective	100	effective	100
116	9:55:00	effective	100	effective	100	effective	100
117	9:56:00	ineffective		effective	100	effective	100
118	9:57:00	ineffective		ineffective		effective	100
119	9:58:00	effective	100	effective	100	effective	100
120	9:59:00	effective	100	effective	100	effective	100
121	10:00:00	effective	100	effective	100	effective	100
122	10:01:00	effective	100	effective	100	effective	100
123	10:02:00	effective	100	effective	100	effective	100
124	10:03:00	effective	100	effective	100	effective	100
125	10:04:00	effective	100	effective	100	effective	100
126	10:05:00	effective	100	effective	100	effective	100
127	10:06:00	effective	100	effective	100	effective	100
128	10:07:00	effective	100	effective	100	effective	100
129	10:08:00	effective	100	effective	100	effective	100
130	10:09:00	effective	100	effective	100	effective	100
131	10:10:00	effective	100	effective	100	effective	100
132	10:11:00	effective	100	effective	100	effective	100
133	10:12:00	effective	100	effective	100	ineffective	
134	10:13:00	ineffective		effective	100	ineffective	
135	10:14:00	ineffective		effective	100	effective	100

136	10:15:00	effective	100	effective	100	effective	100
137	10:16:00	effective	100	effective	100	effective	100
138	10:17:00	effective	100	effective	100	effective	100
139	10:18:00	effective	100	effective	100	effective	100
140	10:19:00	effective	100	effective	100	effective	100
141	10:20:00	effective	100	effective	100	effective	100
142	10:21:00	effective	100	effective	100	effective	100
143	10:22:00	effective	100	effective	100	effective	100
144	10:23:00	effective	100	effective	100	effective	100
145	10:24:00	effective	100	effective	100	effective	100
146	10:25:00	effective	100	effective	100	effective	100
147	10:26:00	effective	100	effective	100	effective	100
148	10:27:00	effective	100	effective	100	effective	100
149	10:28:00	effective	100	effective	100	effective	100
150	10:29:00	effective	100	effective	100	effective	100
151	10:30:00	ineffective		ineffective		ineffective	
152	10:31:00	effective	100	effective	100	effective	100
153	10:32:00	effective	100	effective	100	effective	100
154	10:33:00	effective	100	effective	100	effective	100
155	10:34:00	effective	100	effective	100	effective	100
156	10:35:00	effective	100	effective	100	effective	100
157	10:36:00	effective	100	effective	100	effective	100
158	10:37:00	effective	100	effective	100	effective	100
159	10:38:00	effective	100	effective	100	effective	100
160	10:39:00	effective	100	effective	100	effective	100
161	10:40:00	effective	100	effective	100	effective	100
162	10:41:00	effective	100	effective	100	effective	100
163	10:42:00	effective	100	effective	100	effective	100
164	10:43:00	effective	100	effective	100	effective	100
165	10:44:00	effective	100	effective	100	effective	100
166	10:45:00	effective	100	effective	100	ineffective	
167	10:46:00	ineffective		effective	100	effective	100
168	10:47:00	ineffective		effective	100	effective	100
169	10:48:00	effective	100	effective	100	effective	100
170	10:49:00	effective	100	effective	100	effective	100
171	10:50:00	effective	100	effective	100	effective	100
172	10:51:00	effective	100	effective	100	effective	100
173	10:52:00	effective	100	effective	100	effective	100
174	10:53:00	effective	100	effective	100	effective	100
175	10:54:00	effective	100	effective	100	effective	100
176	10:55:00	effective	100	effective	100	effective	100
177	10:56:00	effective	100	effective	100	effective	100
178	10:57:00	effective	100	effective	100	effective	100
179	10:58:00	effective	100	effective	100	effective	100
180	10:59:00	effective	100	effective	100	effective	100
181	11:00:00	effective	100	effective	100	effective	100
182	11:01:00	effective	100	effective	100	effective	100

183	11:02:00	effective	100	effective	100	effective	100
184	11:03:00	ineffective		ineffective		effective	100
185	11:04:00	effective	100	effective	100	effective	100
186	11:05:00	effective	100	effective	100	effective	100
187	11:06:00	effective	100	effective	100	effective	100
188	11:07:00	effective	100	effective	100	effective	100
189	11:08:00	effective	100	effective	100	effective	100
190	11:09:00	effective	100	effective	100	effective	100
191	11:10:00	effective	100	effective	100	effective	100
192	11:11:00	effective	100	effective	100	effective	100
193	11:12:00	effective	100	effective	100	effective	100
194	11:13:00	effective	100	effective	100	effective	100
195	11:14:00	effective	100	effective	100	effective	100
196	11:15:00	effective	100	effective	100	effective	100
197	11:16:00	effective	100	effective	100	effective	100
198	11:17:00	effective	100	effective	100	effective	100
199	11:18:00	effective	100	ineffective		ineffective	
200	11:19:00	ineffective		ineffective		effective	100
201	11:20:00	ineffective		effective	100	effective	100
202	11:21:00	ineffective		effective	100	effective	100
203	11:22:00	ineffective		effective	100	effective	100
204	11:23:00	ineffective		effective	100	effective	75
205	11:24:00	ineffective		effective	100	effective	75
206	11:25:00	ineffective		effective	100	effective	75
207	11:26:00	effective	75	effective	100	effective	75
208	11:27:00	effective	75	effective	100	effective	75
209	11:28:00	effective	75	effective	100	ineffective	
210	11:29:00	effective	75	effective	100	ineffective	
211	11:30:00	effective	75	effective	75	effective	75
212	11:31:00	effective	75	effective	75	effective	75
213	11:32:00	effective	75	effective	75	effective	75
214	11:33:00	effective	75	effective	75	effective	75
215	11:34:00	ineffective		ineffective		ineffective	
216	11:35:00	ineffective		ineffective		ineffective	
217	11:36:00	ineffective		ineffective		ineffective	
218	11:37:00	ineffective		ineffective		ineffective	
219	11:38:00	ineffective		ineffective		ineffective	
220	11:39:00	ineffective		ineffective		ineffective	
221	11:40:00	ineffective		ineffective		ineffective	
222	11:41:00	ineffective		ineffective		ineffective	
223	11:42:00	ineffective		ineffective		ineffective	
224	11:43:00	ineffective		ineffective		ineffective	
225	11:44:00	ineffective		ineffective		ineffective	
226	11:45:00	ineffective		ineffective		ineffective	
227	11:46:00	ineffective		ineffective		ineffective	
228	11:47:00	ineffective		ineffective		ineffective	
229	11:48:00	ineffective		ineffective		ineffective	

230	11:49:00	ineffective	ineffective	ineffective
231	11:50:00	ineffective	ineffective	ineffective
232	11:51:00	ineffective	ineffective	ineffective
233	11:52:00	ineffective	ineffective	ineffective
234	11:53:00	ineffective	ineffective	ineffective
235	11:54:00	ineffective	ineffective	ineffective
236	11:55:00	ineffective	ineffective	ineffective
237	11:56:00	ineffective	ineffective	ineffective
238	11:57:00	ineffective	ineffective	ineffective
239	11:58:00	ineffective	ineffective	ineffective
240	11:59:00	ineffective	ineffective	ineffective
241	12:00:00	ineffective	ineffective	ineffective
242	12:01:00	ineffective	ineffective	ineffective
243	12:02:00	ineffective	ineffective	ineffective
244	12:03:00	ineffective	ineffective	ineffective
245	12:04:00	ineffective	ineffective	ineffective
246	12:05:00	ineffective	ineffective	ineffective
247	12:06:00	ineffective	ineffective	ineffective
248	12:07:00	ineffective	ineffective	ineffective
249	12:08:00	ineffective	ineffective	ineffective
250	12:09:00	ineffective	ineffective	ineffective
251	12:10:00	ineffective	ineffective	ineffective
252	12:11:00	ineffective	ineffective	ineffective
253	12:12:00	ineffective	ineffective	ineffective
254	12:13:00	ineffective	ineffective	ineffective
255	12:14:00	ineffective	ineffective	ineffective
256	12:15:00	ineffective	ineffective	ineffective
257	12:16:00	ineffective	ineffective	ineffective
258	12:17:00	ineffective	ineffective	ineffective
259	12:18:00	ineffective	ineffective	ineffective
260	12:19:00	ineffective	ineffective	ineffective
261	12:20:00	ineffective	ineffective	ineffective
262	12:21:00	ineffective	ineffective	ineffective
263	12:22:00	ineffective	ineffective	ineffective
264	12:23:00	ineffective	ineffective	ineffective
265	12:24:00	ineffective	ineffective	ineffective
266	12:25:00	ineffective	ineffective	ineffective
267	12:26:00	ineffective	ineffective	ineffective
268	12:27:00	ineffective	ineffective	ineffective
269	12:28:00	ineffective	ineffective	ineffective
270	12:29:00	ineffective	ineffective	ineffective
271	12:30:00	ineffective	ineffective	ineffective
272	12:31:00	ineffective	ineffective	ineffective
273	12:32:00	ineffective	ineffective	ineffective
274	12:33:00	ineffective	ineffective	ineffective
275	12:34:00	ineffective	ineffective	ineffective
276	12:35:00	ineffective	ineffective	ineffective

277	12:36:00	ineffective		ineffective		ineffective	
278	12:37:00	ineffective		ineffective		ineffective	
279	12:38:00	ineffective		ineffective		ineffective	
280	12:39:00	ineffective		ineffective		ineffective	
281	12:40:00	ineffective		ineffective		ineffective	
282	12:41:00	ineffective		ineffective		ineffective	
283	12:42:00	ineffective		ineffective		ineffective	
284	12:43:00	ineffective		ineffective		ineffective	
285	12:44:00	ineffective		ineffective		ineffective	
286	12:45:00	ineffective		ineffective		ineffective	
287	12:46:00	ineffective		ineffective		ineffective	
288	12:47:00	ineffective		ineffective		ineffective	
289	12:48:00	ineffective		ineffective		ineffective	
290	12:49:00	ineffective		ineffective		ineffective	
291	12:50:00	ineffective		ineffective		ineffective	
292	12:51:00	ineffective		ineffective		ineffective	
293	12:52:00	ineffective		ineffective		ineffective	
294	12:53:00	ineffective		ineffective		ineffective	
295	12:54:00	ineffective		ineffective		ineffective	
296	12:55:00	ineffective		ineffective		ineffective	
297	12:56:00	ineffective		ineffective		ineffective	
298	12:57:00	ineffective		ineffective		ineffective	
299	12:58:00	ineffective		ineffective		ineffective	
300	12:59:00	ineffective		ineffective		ineffective	
301	13:00:00	ineffective		ineffective		ineffective	
302	13:01:00	effective	75	effective	75	effective	75
303	13:02:00	effective	75	effective	75	effective	75
304	13:03:00	effective	75	effective	75	effective	75
305	13:04:00	effective	75	effective	75	effective	75
306	13:05:00	effective	75	effective	75	effective	75
307	13:06:00	effective	75	effective	75	effective	75
308	13:07:00	effective	75	effective	75	effective	75
309	13:08:00	effective	75	effective	75	effective	75
310	13:09:00	effective	75	effective	75	effective	75
311	13:10:00	effective	75	effective	75	effective	75
312	13:11:00	effective	75	effective	75	effective	75
313	13:12:00	effective	75	effective	75	effective	75
314	13:13:00	effective	75	effective	75	effective	75
315	13:14:00	effective	75	effective	100	effective	100
316	13:15:00	effective	75	effective	100	effective	100
317	13:16:00	effective	75	effective	100	effective	100
318	13:17:00	effective	75	effective	100	effective	100
319	13:18:00	effective	75	effective	100	effective	100
320	13:19:00	effective	75	effective	100	effective	100
321	13:20:00	effective	100	ineffective		effective	100
322	13:21:00	effective	100	effective	100	effective	100
323	13:22:00	effective	100	effective	100	effective	100

324	13:23:00	effective	100	effective	100	effective	100
325	13:24:00	effective	100	effective	100	effective	100
326	13:25:00	effective	100	effective	100	effective	100
327	13:26:00	effective	100	effective	100	effective	100
328	13:27:00	effective	100	effective	100	effective	100
329	13:28:00	effective	100	effective	100	effective	100
330	13:29:00	effective	100	effective	100	effective	100
331	13:30:00	effective	100	effective	100	effective	100
332	13:31:00	effective	100	effective	100	ineffective	
333	13:32:00	ineffective		effective	100	effective	100
334	13:33:00	ineffective		effective	100	effective	100
335	13:34:00	effective	100	effective	100	effective	100
336	13:35:00	effective	100	effective	100	effective	100
337	13:36:00	effective	100	effective	100	effective	100
338	13:37:00	effective	100	effective	100	effective	100
339	13:38:00	effective	100	effective	100	effective	100
340	13:39:00	effective	100	effective	100	effective	100
341	13:40:00	effective	100	effective	100	effective	100
342	13:41:00	effective	100	effective	100	effective	100
343	13:42:00	effective	100	effective	100	effective	100
344	13:43:00	effective	100	effective	100	effective	100
345	13:44:00	effective	100	effective	100	effective	100
346	13:45:00	effective	100	effective	100	effective	100
347	13:46:00	effective	100	effective	100	effective	100
348	13:47:00	effective	100	effective	100	effective	100
349	13:48:00	effective	100	ineffective		effective	100
350	13:49:00	effective	100	ineffective		effective	100
351	13:50:00	effective	100	effective	100	effective	100
352	13:51:00	effective	100	effective	100	effective	100
353	13:52:00	effective	100	effective	100	effective	100
354	13:53:00	effective	100	effective	100	effective	100
355	13:54:00	effective	100	effective	100	effective	100
356	13:55:00	effective	100	effective	100	effective	100
357	13:56:00	effective	100	effective	100	effective	100
358	13:57:00	effective	100	effective	100	effective	100
359	13:58:00	effective	100	effective	100	effective	100
360	13:59:00	effective	100	effective	100	effective	100
361	14:00:00	effective	100	effective	100	effective	100
362	14:01:00	effective	100	effective	100	effective	100
363	14:02:00	effective	100	effective	100	effective	100
364	14:03:00	effective	100	effective	100	effective	100
365	14:04:00	ineffective		ineffective		ineffective	
366	14:05:00	ineffective		ineffective		ineffective	
367	14:06:00	ineffective		effective	100	effective	100
368	14:07:00	effective	100	effective	100	effective	100
369	14:08:00	effective	100	effective	100	effective	100
370	14:09:00	effective	100	effective	100	effective	100

371	14:10:00	effective	100	effective	100	effective	100
372	14:11:00	effective	100	effective	100	effective	100
373	14:12:00	effective	100	effective	100	effective	100
374	14:13:00	effective	100	effective	100	effective	100
375	14:14:00	effective	100	effective	100	effective	100
376	14:15:00	effective	100	effective	100	effective	100
377	14:16:00	effective	100	effective	100	effective	100
378	14:17:00	effective	100	effective	100	ineffective	
379	14:18:00	effective	100	effective	100	ineffective	
380	14:19:00	effective	100	effective	100	effective	100
381	14:20:00	effective	100	effective	100	effective	100
382	14:21:00	effective	100	effective	100	effective	100
383	14:22:00	ineffective		ineffective		effective	100
384	14:23:00	effective	100	effective	100	effective	100
385	14:24:00	effective	100	effective	100	effective	100
386	14:25:00	effective	100	effective	100	effective	100
387	14:26:00	effective	100	effective	100	effective	100
388	14:27:00	effective	100	effective	100	effective	100
389	14:28:00	effective	100	effective	100	effective	100
390	14:29:00	effective	100	effective	100	effective	100
391	14:30:00	effective	100	effective	100	effective	100
392	14:31:00	effective	100	effective	100	effective	100
393	14:32:00	effective	100	effective	100	effective	100
394	14:33:00	effective	100	effective	100	effective	100
395	14:34:00	effective	100	effective	100	effective	100
396	14:35:00	effective	100	effective	100	effective	100
397	14:36:00	effective	100	effective	100	effective	100
398	14:37:00	effective	100	effective	100	ineffective	
399	14:38:00	ineffective		effective	100	effective	100
400	14:39:00	ineffective		effective	100	effective	100
401	14:40:00	effective	100	effective	100	effective	100
402	14:41:00	effective	100	effective	100	effective	100
403	14:42:00	effective	100	effective	100	effective	100
404	14:43:00	effective	100	effective	100	effective	100
405	14:44:00	effective	100	effective	100	effective	100
406	14:45:00	effective	100	effective	100	effective	100
407	14:46:00	effective	100	effective	100	effective	100
408	14:47:00	effective	100	effective	100	effective	100
409	14:48:00	effective	100	effective	100	effective	100
410	14:49:00	effective	100	effective	100	effective	100
411	14:50:00	effective	100	effective	100	effective	100
412	14:51:00	effective	100	effective	100	effective	100
413	14:52:00	effective	100	effective	100	effective	100
414	14:53:00	effective	100	effective	100	effective	100
415	14:54:00	effective	100	effective	100	effective	100
416	14:55:00	ineffective		ineffective		effective	100
417	14:56:00	effective	100	effective	100	effective	100

418	14:57:00	effective	100	effective	100	effective	100
419	14:58:00	effective	100	effective	100	effective	100
420	14:59:00	effective	100	effective	100	effective	100
421	15:00:00	effective	100	effective	100	effective	100
422	15:01:00	effective	100	effective	100	effective	100
423	15:02:00	effective	100	effective	100	effective	100
424	15:03:00	effective	100	effective	100	effective	100
425	15:04:00	effective	100	effective	100	effective	100
426	15:05:00	effective	100	effective	100	effective	100
427	15:06:00	effective	100	effective	100	effective	100
428	15:07:00	effective	100	effective	100	effective	100
429	15:08:00	effective	100	effective	100	effective	100
430	15:09:00	effective	100	effective	100	effective	100
431	15:10:00	effective	100	effective	100	ineffective	
432	15:11:00	ineffective		effective	100	effective	75
433	15:12:00	ineffective		effective	100	effective	75
434	15:13:00	effective	75	effective	100	effective	75
435	15:14:00	effective	75	effective	100	effective	75
436	15:15:00	effective	75	effective	100	effective	75
437	15:16:00	effective	75	ineffective		effective	75
438	15:17:00	effective	75	effective	75	effective	75
439	15:18:00	effective	75	effective	75	effective	75
440	15:19:00	effective	75	effective	75	effective	75
441	15:20:00	effective	75	effective	75	effective	75
442	15:21:00	effective	75	effective	75	effective	75
443	15:22:00	effective	75	effective	75	effective	75
444	15:23:00	effective	75	effective	75	effective	75
445	15:24:00	effective	75	effective	75	effective	75
446	15:25:00	effective	75	effective	75	effective	75
447	15:26:00	effective	75	effective	75	effective	75
448	15:27:00	effective	75	effective	75	effective	75
449	15:28:00	ineffective		ineffective		effective	75
450	15:29:00	effective	75	effective	75	effective	75
451	15:30:00	effective	75	effective	75	effective	75
452	15:31:00	effective	75	effective	75	effective	75
453	15:32:00	effective	75	effective	75	effective	75
454	15:33:00	effective	75	effective	75	effective	75
455	15:34:00	effective	75	effective	75	effective	75
456	15:35:00	effective	75	effective	75	effective	75
457	15:36:00	effective	75	effective	75	effective	75
458	15:37:00	effective	75	effective	75	effective	75
459	15:38:00	effective	75	effective	75	effective	75
460	15:39:00	effective	75	effective	75	effective	75
461	15:40:00	effective	75	effective	75	effective	75
462	15:41:00	effective	75	effective	75	effective	75
463	15:42:00	effective	75	effective	75	effective	75
464	15:43:00	effective	75	effective	75	ineffective	

465	15:44:00	effective	75	effective	75	effective	75
466	15:45:00	effective	75	effective	75	effective	75
467	15:46:00	effective	75	ineffective		effective	75
468	15:47:00	effective	75	ineffective		effective	75
469	15:48:00	ineffective		ineffective		ineffective	
470	15:49:00	ineffective		ineffective		ineffective	
471	15:50:00	ineffective		ineffective		ineffective	
472	15:51:00	ineffective		ineffective		ineffective	
473	15:52:00	ineffective		ineffective		ineffective	
474	15:53:00	ineffective		ineffective		ineffective	
475	15:54:00	ineffective		ineffective		ineffective	
476	15:55:00	ineffective		ineffective		ineffective	
477	15:56:00	ineffective		ineffective		ineffective	
478	15:57:00	ineffective		ineffective		ineffective	
479	15:58:00	ineffective		ineffective		ineffective	
480	15:59:00	ineffective		ineffective		ineffective	
481	16:00:00	ineffective		ineffective		ineffective	

OBSERVATION SHEET							
No : 3		Waktu mulai : 08.00		Jenis Pekerjaan : Perakitan Dak Keraton			
Tgl : 16/4/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 4.8 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Suyanto		Pak Walkidi		Pak Ponidi	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		ineffective	
3	8:02:00	ineffective		ineffective		ineffective	
4	8:03:00	ineffective		ineffective		ineffective	
5	8:04:00	ineffective		ineffective		ineffective	
6	8:05:00	effective	75	effective	75	effective	75
7	8:06:00	effective	75	effective	75	effective	75
8	8:07:00	effective	75	effective	75	effective	75
9	8:08:00	effective	75	effective	75	effective	75
10	8:09:00	effective	75	effective	75	effective	75
11	8:10:00	effective	75	effective	75	effective	75
12	8:11:00	effective	75	effective	75	effective	75
13	8:12:00	effective	75	effective	75	ineffective	
14	8:13:00	effective	75	effective	75	ineffective	
15	8:14:00	effective	75	effective	75	effective	75
16	8:15:00	effective	75	effective	75	effective	75
17	8:16:00	effective	75	effective	75	effective	75
18	8:17:00	effective	75	effective	75	effective	75
19	8:18:00	effective	75	effective	75	effective	75
20	8:19:00	effective	75	effective	75	effective	75
21	8:20:00	ineffective		ineffective		effective	75
22	8:21:00	effective	75	effective	75	effective	100
23	8:22:00	effective	75	effective	75	effective	100
24	8:23:00	effective	75	effective	100	effective	100
25	8:24:00	effective	100	effective	100	effective	100
26	8:25:00	effective	100	effective	100	effective	100
27	8:26:00	effective	100	effective	100	effective	100
28	8:27:00	effective	100	effective	100	effective	100
29	8:28:00	effective	100	effective	100	effective	100
30	8:29:00	effective	100	effective	100	effective	100
31	8:30:00	effective	100	effective	100	effective	100
32	8:31:00	effective	100	effective	100	effective	100
33	8:32:00	effective	100	effective	100	effective	100
34	8:33:00	effective	100	effective	100	effective	100
35	8:34:00	effective	100	effective	100	effective	100
36	8:35:00	effective	100	effective	100	ineffective	
37	8:36:00	ineffective		effective	100	effective	100
38	8:37:00	ineffective		effective	100	effective	100
39	8:38:00	ineffective		effective	100	effective	100
40	8:39:00	effective	75	ineffective		ineffective	
41	8:40:00	effective	75	ineffective		ineffective	

42	8:41:00	ineffective		effective	100	effective	100
43	8:42:00	ineffective		effective	100	effective	100
44	8:43:00	effective	100	effective	100	effective	100
45	8:44:00	effective	100	effective	100	effective	100
46	8:45:00	effective	100	effective	100	effective	100
47	8:46:00	effective	100	effective	100	effective	100
48	8:47:00	effective	100	effective	100	effective	100
49	8:48:00	effective	100	effective	100	effective	100
50	8:49:00	effective	100	effective	100	effective	100
51	8:50:00	effective	100	effective	100	effective	100
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54	8:53:00	effective	100	effective	100	effective	100
55	8:54:00	effective	100	ineffective		effective	100
56	8:55:00	effective	100	effective	100	effective	100
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58	8:57:00	effective	100	effective	100	effective	100
59	8:58:00	ineffective		ineffective		effective	100
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61	9:00:00	effective	100	effective	100	effective	100
62	9:01:00	effective	100	effective	100	effective	100
63	9:02:00	effective	100	effective	100	effective	100
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65	9:04:00	effective	100	effective	100	effective	100
66	9:05:00	effective	100	effective	100	effective	100
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72	9:11:00	effective	100	effective	100	effective	100
73	9:12:00	effective	100	effective	100	effective	100
74	9:13:00	effective	100	effective	100	ineffective	
75	9:14:00	ineffective		effective	100	effective	100
76	9:15:00	ineffective		effective	100	effective	100
77	9:16:00	ineffective		ineffective		effective	100
78	9:17:00	effective	100	ineffective		effective	100
79	9:18:00	effective	100	effective	100	effective	100
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83	9:22:00	effective	100	effective	100	effective	100
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85	9:24:00	effective	100	effective	100	effective	100
86	9:25:00	effective	100	effective	100	effective	100
87	9:26:00	effective	100	effective	100	ineffective	
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89	9:28:00	effective	100	effective	100	effective	100
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91	9:30:00	effective	100	effective	100	effective	100
92	9:31:00	effective	100	effective	100	effective	100
93	9:32:00	ineffective		ineffective		effective	100
94	9:33:00	effective	100	effective	100	effective	100
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217	11:36:00	effective	75	effective	75	effective	75
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219	11:38:00	effective	75	effective	75	effective	75
220	11:39:00	ineffective		ineffective		ineffective	
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284	12:43:00	ineffective		ineffective		ineffective	
285	12:44:00	ineffective		ineffective		ineffective	
286	12:45:00	ineffective		ineffective		ineffective	
287	12:46:00	ineffective		ineffective		ineffective	
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304	13:03:00	ineffective		ineffective		ineffective	
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315	13:14:00	effective	75	effective	75	effective	75
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317	13:16:00	effective	75	effective	100	effective	75
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321	13:20:00	effective	75	effective	100	effective	75
322	13:21:00	ineffective		ineffective		ineffective	
323	13:22:00	ineffective		effective	100	ineffective	

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373	14:12:00	effective	100	effective	100	ineffective	
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408	14:47:00	ineffective		ineffective		ineffective	
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417	14:56:00	ineffective		ineffective		ineffective	

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420	14:59:00	ineffective		ineffective		ineffective	
421	15:00:00	ineffective		ineffective		ineffective	
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423	15:02:00	ineffective		ineffective		ineffective	
424	15:03:00	ineffective		ineffective		ineffective	
425	15:04:00	ineffective		ineffective		ineffective	
426	15:05:00	ineffective		ineffective		ineffective	
427	15:06:00	ineffective		ineffective		ineffective	
428	15:07:00	ineffective		ineffective		ineffective	
429	15:08:00	ineffective		ineffective		ineffective	
430	15:09:00	ineffective		ineffective		ineffective	
431	15:10:00	ineffective		effective	75	effective	75
432	15:11:00	ineffective		effective	75	effective	75
433	15:12:00	ineffective		effective	75	effective	75
434	15:13:00	ineffective		effective	75	effective	75
435	15:14:00	ineffective		effective	75	effective	75
436	15:15:00	ineffective		effective	75	effective	75
437	15:16:00	effective	75	effective	75	effective	75
438	15:17:00	effective	75	effective	75	effective	75
439	15:18:00	effective	75	ineffective		effective	75
440	15:19:00	effective	75	ineffective		effective	75
441	15:20:00	effective	75	ineffective		effective	75
442	15:21:00	effective	75	ineffective		effective	75
443	15:22:00	effective	75	effective	75	effective	75
444	15:23:00	effective	75	effective	75	effective	75
445	15:24:00	effective	75	effective	75	effective	75
446	15:25:00	effective	75	effective	75	effective	75
447	15:26:00	effective	75	effective	75	effective	75
448	15:27:00	effective	75	effective	75	effective	75
449	15:28:00	effective	75	effective	75	ineffective	
450	15:29:00	effective	75	effective	75	ineffective	
451	15:30:00	effective	75	effective	75	effective	75
452	15:31:00	effective	75	effective	75	effective	75
453	15:32:00	effective	75	effective	75	effective	75
454	15:33:00	effective	75	effective	75	effective	75
455	15:34:00	ineffective		effective	75	effective	75
456	15:35:00	ineffective		effective	75	effective	75
457	15:36:00	ineffective		ineffective		ineffective	
458	15:37:00	ineffective		ineffective		ineffective	
459	15:38:00	ineffective		ineffective		ineffective	
460	15:39:00	ineffective		ineffective		ineffective	
461	15:40:00	ineffective		ineffective		ineffective	
462	15:41:00	ineffective		ineffective		ineffective	
463	15:42:00	ineffective		ineffective		ineffective	
464	15:43:00	ineffective		ineffective		ineffective	

465	15:44:00	ineffective	ineffective	ineffective
466	15:45:00	ineffective	ineffective	ineffective
467	15:46:00	ineffective	ineffective	ineffective
468	15:47:00	ineffective	ineffective	ineffective
469	15:48:00	ineffective	ineffective	ineffective
470	15:49:00	ineffective	ineffective	ineffective
471	15:50:00	ineffective	ineffective	ineffective
472	15:51:00	ineffective	ineffective	ineffective
473	15:52:00	ineffective	ineffective	ineffective
474	15:53:00	ineffective	ineffective	ineffective
475	15:54:00	ineffective	ineffective	ineffective
476	15:55:00	ineffective	ineffective	ineffective
477	15:56:00	ineffective	ineffective	ineffective
478	15:57:00	ineffective	ineffective	ineffective
479	15:58:00	ineffective	ineffective	ineffective
480	15:59:00	ineffective	ineffective	ineffective
481	16:00:00	ineffective	ineffective	ineffective

OBSERVATION SHEET							
No : 4		Waktu mulai : 08.00		Jenis Pekerjaan : Lifting+Cor			
Tgl : 17/4/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 13.5 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Suyanto		Pak Walkidi		Pak Ponidi	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		effective	100
3	8:02:00	ineffective		ineffective		effective	100
4	8:03:00	ineffective		ineffective		effective	100
5	8:04:00	ineffective		ineffective		effective	100
6	8:05:00	ineffective		ineffective		ineffective	
7	8:06:00	ineffective		ineffective		ineffective	
8	8:07:00	ineffective		ineffective		ineffective	
9	8:08:00	effective	100	effective	100	effective	
10	8:09:00	effective	100	effective	100	effective	
11	8:10:00	effective	100	effective	100	effective	
12	8:11:00	ineffective		ineffective		effective	
13	8:12:00	ineffective		ineffective		effective	
14	8:13:00	ineffective		ineffective		effective	
15	8:14:00	effective	100	effective	100	ineffective	
16	8:15:00	effective	100	effective	100	ineffective	
17	8:16:00	effective	100	effective	100	ineffective	
18	8:17:00	effective	100	effective	100	ineffective	
19	8:18:00	effective	100	effective	100	ineffective	
20	8:19:00	effective	100	effective	100	ineffective	
21	8:20:00	effective	100	effective	100	ineffective	
22	8:21:00	effective	100	effective	100	ineffective	
23	8:22:00	effective	100	effective	100	effective	100
24	8:23:00	effective	100	effective	100	effective	100
25	8:24:00	effective	100	effective	100	effective	100
26	8:25:00	effective	100	ineffective		effective	100
27	8:26:00	effective	100	ineffective		effective	100
28	8:27:00	effective	100	ineffective		effective	100
29	8:28:00	effective	100	ineffective		effective	100
30	8:29:00	effective	100	ineffective		effective	100
31	8:30:00	effective	100	ineffective		effective	100
32	8:31:00	effective	100	ineffective		effective	100
33	8:32:00	effective	100	ineffective		effective	100
34	8:33:00	ineffective		effective	100	effective	100
35	8:34:00	ineffective		effective	100	ineffective	
36	8:35:00	ineffective		effective	100	ineffective	
37	8:36:00	effective	100	ineffective		ineffective	
38	8:37:00	effective	100	effective	100	ineffective	
39	8:38:00	ineffective		effective	100	ineffective	
40	8:39:00	ineffective		effective	100	ineffective	
41	8:40:00	effective	100	ineffective		ineffective	
42	8:41:00	effective	100	ineffective		ineffective	
43	8:42:00	ineffective		effective	100	ineffective	
44	8:43:00	ineffective		effective	100	ineffective	

45	8:44:00	ineffective		effective	100	ineffective	
46	8:45:00	effective	100	effective	100	effective	100
47	8:46:00	effective	100	ineffective		effective	100
48	8:47:00	effective	100	effective	100	ineffective	
49	8:48:00	ineffective		effective	100	ineffective	
50	8:49:00	ineffective		effective	100	effective	100
51	8:50:00	ineffective		ineffective		effective	100
52	8:51:00	ineffective		ineffective		effective	100
53	8:52:00	effective	100	ineffective		ineffective	
54	8:53:00	effective	100	effective	100	effective	100
55	8:54:00	effective	100	effective	100	effective	100
56	8:55:00	ineffective		ineffective		ineffective	
57	8:56:00	ineffective		ineffective		ineffective	
58	8:57:00	ineffective		ineffective		ineffective	
59	8:58:00	ineffective		ineffective		ineffective	
60	8:59:00	ineffective		ineffective		ineffective	
61	9:00:00	ineffective		ineffective		ineffective	
62	9:01:00	ineffective		ineffective		ineffective	
63	9:02:00	effective	100	effective	100	effective	100
64	9:03:00	effective	100	effective	100	effective	100
65	9:04:00	effective	100	effective	100	ineffective	
66	9:05:00	effective	100	effective	100	effective	100
67	9:06:00	effective	100	effective	100	effective	100
68	9:07:00	effective	100	effective	100	effective	100
69	9:08:00	effective	100	effective	100	effective	100
70	9:09:00	ineffective		effective	100	effective	100
71	9:10:00	ineffective		effective	100	effective	100
72	9:11:00	ineffective		effective	100	ineffective	
73	9:12:00	ineffective		effective	100	ineffective	
74	9:13:00	effective	100	effective	100	ineffective	
75	9:14:00	effective	100	ineffective		ineffective	
76	9:15:00	effective	100	ineffective		ineffective	
77	9:16:00	effective	100	effective	100	ineffective	
78	9:17:00	effective	100	effective	100	ineffective	
79	9:18:00	effective	100	effective	100	ineffective	
80	9:19:00	ineffective		ineffective		ineffective	
81	9:20:00	ineffective		ineffective		ineffective	
82	9:21:00	effective	100	effective	100	ineffective	
83	9:22:00	effective	100	effective	100	ineffective	
84	9:23:00	effective	100	effective	100	effective	100
85	9:24:00	effective	100	effective	100	effective	100
86	9:25:00	effective	100	effective	100	effective	100
87	9:26:00	effective	100	effective	100	effective	100
88	9:27:00	effective	100	effective	100	effective	100
89	9:28:00	effective	100	effective	100	effective	100
90	9:29:00	effective	100	effective	100	effective	100
91	9:30:00	effective	100	effective	100	ineffective	
92	9:31:00	ineffective		effective	100	ineffective	
93	9:32:00	effective	100	effective	100	ineffective	
94	9:33:00	effective	100	effective	100	effective	100

95	9:34:00	effective	100	effective	100	effective	100
96	9:35:00	effective	100	effective	100	effective	100
97	9:36:00	effective	100	effective	100	effective	100
98	9:37:00	effective	100	effective	100	ineffective	
99	9:38:00	effective	100	effective	100	ineffective	
100	9:39:00	effective	100	effective	100	ineffective	
101	9:40:00	effective	100	effective	100	effective	100
102	9:41:00	effective	100	effective	100	effective	100
103	9:42:00	ineffective		ineffective		ineffective	
104	9:43:00	ineffective		effective	100	effective	100
105	9:44:00	ineffective		effective	100	effective	100
106	9:45:00	ineffective		effective	100	effective	100
107	9:46:00	ineffective		effective	100	effective	100
108	9:47:00	ineffective		effective	100	effective	100
109	9:48:00	ineffective		effective	100	effective	100
110	9:49:00	ineffective		effective	100	effective	100
111	9:50:00	ineffective		effective	100	effective	100
112	9:51:00	effective	100	effective	100	effective	100
113	9:52:00	effective	100	effective	100	effective	100
114	9:53:00	effective	100	effective	100	ineffective	
115	9:54:00	effective	100	effective	100	ineffective	
116	9:55:00	effective	100	effective	100	ineffective	
117	9:56:00	effective	100	effective	100	ineffective	
118	9:57:00	effective	100	effective	100	effective	100
119	9:58:00	effective	100	effective	100	effective	100
120	9:59:00	effective	100	effective	100	ineffective	
121	10:00:00	effective	100	effective	100	ineffective	
122	10:01:00	effective	100	effective	100	ineffective	
123	10:02:00	ineffective		ineffective		ineffective	
124	10:03:00	ineffective		ineffective		ineffective	
125	10:04:00	ineffective		ineffective		ineffective	
126	10:05:00	ineffective		ineffective		ineffective	
127	10:06:00	ineffective		ineffective		ineffective	
128	10:07:00	ineffective		ineffective		ineffective	
129	10:08:00	ineffective		ineffective		ineffective	
130	10:09:00	ineffective		ineffective		ineffective	
131	10:10:00	ineffective		ineffective		ineffective	
132	10:11:00	ineffective		ineffective		ineffective	
133	10:12:00	ineffective		ineffective		ineffective	
134	10:13:00	ineffective		ineffective		ineffective	
135	10:14:00	ineffective		ineffective		ineffective	
136	10:15:00	ineffective		ineffective		ineffective	
137	10:16:00	effective	100	effective	100	effective	100
138	10:17:00	effective	100	effective	100	effective	100
139	10:18:00	effective	100	effective	100	ineffective	
140	10:19:00	effective	100	effective	100	ineffective	
141	10:20:00	effective	100	effective	100	effective	100
142	10:21:00	effective	100	effective	100	effective	100
143	10:22:00	ineffective		effective	100	effective	100
144	10:23:00	ineffective		effective	100	effective	100

145	10:24:00	ineffective		effective	100	effective	100
146	10:25:00	ineffective		effective	100	effective	100
147	10:26:00	effective	100	effective	100	effective	100
148	10:27:00	effective	100	effective	100	effective	100
149	10:28:00	effective	100	effective	100	effective	100
150	10:29:00	effective	100	effective	100	effective	100
151	10:30:00	effective	100	effective	100	effective	100
152	10:31:00	effective	100	effective	100	effective	100
153	10:32:00	effective	100	effective	100	effective	100
154	10:33:00	ineffective		ineffective		effective	100
155	10:34:00	ineffective		ineffective		effective	100
156	10:35:00	ineffective		ineffective		effective	100
157	10:36:00	ineffective		ineffective		effective	100
158	10:37:00	ineffective		ineffective		effective	100
159	10:38:00	effective	100	effective	100	effective	100
160	10:39:00	effective	100	effective	100	effective	100
161	10:40:00	effective	100	effective	100	effective	100
162	10:41:00	effective	100	effective	100	effective	100
163	10:42:00	effective	100	effective	100	effective	100
164	10:43:00	effective	100	effective	100	effective	100
165	10:44:00	effective	100	effective	100	effective	100
166	10:45:00	effective	100	effective	100	effective	100
167	10:46:00	effective	100	effective	100	effective	100
168	10:47:00	effective	100	effective	100	effective	100
169	10:48:00	effective	100	effective	100	effective	100
170	10:49:00	effective	100	effective	100	effective	100
171	10:50:00	effective	100	effective	100	effective	100
172	10:51:00	effective	100	effective	100	ineffective	
173	10:52:00	effective	100	effective	100	ineffective	
174	10:53:00	effective	100	ineffective		ineffective	
175	10:54:00	ineffective		ineffective		ineffective	
176	10:55:00	ineffective		ineffective		ineffective	
177	10:56:00	ineffective		ineffective		ineffective	
178	10:57:00	ineffective		ineffective		ineffective	
179	10:58:00	ineffective		ineffective		ineffective	
180	10:59:00	ineffective		ineffective		effective	100
181	11:00:00	effective	100	effective	100	effective	100
182	11:01:00	effective	100	effective	100	effective	100
183	11:02:00	effective	100	effective	100	effective	100
184	11:03:00	ineffective		ineffective		effective	100
185	11:04:00	effective	100	effective	100	effective	100
186	11:05:00	effective	100	effective	100	effective	100
187	11:06:00	effective	100	effective	100	effective	100
188	11:07:00	effective	100	effective	100	effective	100
189	11:08:00	effective	100	effective	100	ineffective	
190	11:09:00	ineffective		ineffective		ineffective	
191	11:10:00	ineffective		ineffective		ineffective	
192	11:11:00	ineffective		ineffective		ineffective	
193	11:12:00	effective	75	effective	75	effective	75
194	11:13:00	effective	75	effective	75	effective	75

195	11:14:00	effective	75	effective	75	effective	75
196	11:15:00	effective	75	effective	75	effective	75
197	11:16:00	effective	75	effective	75	effective	75
198	11:17:00	effective	75	effective	75	effective	75
199	11:18:00	effective	75	effective	75	effective	75
200	11:19:00	effective	75	effective	75	effective	75
201	11:20:00	effective	75	effective	75	effective	75
202	11:21:00	effective	75	effective	75	effective	75
203	11:22:00	effective	75	ineffective		ineffective	
204	11:23:00	effective	75	ineffective		ineffective	
205	11:24:00	effective	75	ineffective		ineffective	
206	11:25:00	ineffective		ineffective		ineffective	
207	11:26:00	ineffective		ineffective		ineffective	
208	11:27:00	ineffective		ineffective		ineffective	
209	11:28:00	ineffective		ineffective		ineffective	
210	11:29:00	ineffective		ineffective		ineffective	
211	11:30:00	ineffective		ineffective		ineffective	
212	11:31:00	ineffective		ineffective		ineffective	
213	11:32:00	ineffective		ineffective		ineffective	
214	11:33:00	ineffective		ineffective		ineffective	
215	11:34:00	ineffective		ineffective		ineffective	
216	11:35:00	ineffective		ineffective		ineffective	
217	11:36:00	ineffective		ineffective		ineffective	
218	11:37:00	ineffective		ineffective		ineffective	
219	11:38:00	ineffective		ineffective		ineffective	
220	11:39:00	ineffective		ineffective		ineffective	
221	11:40:00	ineffective		ineffective		ineffective	
222	11:41:00	ineffective		ineffective		ineffective	
223	11:42:00	ineffective		ineffective		ineffective	
224	11:43:00	ineffective		ineffective		ineffective	
225	11:44:00	ineffective		ineffective		ineffective	
226	11:45:00	ineffective		ineffective		ineffective	
227	11:46:00	ineffective		ineffective		ineffective	
228	11:47:00	ineffective		ineffective		ineffective	
229	11:48:00	ineffective		ineffective		ineffective	
230	11:49:00	ineffective		ineffective		ineffective	
231	11:50:00	ineffective		ineffective		ineffective	
232	11:51:00	ineffective		ineffective		ineffective	
233	11:52:00	ineffective		ineffective		ineffective	
234	11:53:00	ineffective		ineffective		ineffective	
235	11:54:00	ineffective		ineffective		ineffective	
236	11:55:00	ineffective		ineffective		ineffective	
237	11:56:00	ineffective		ineffective		ineffective	
238	11:57:00	ineffective		ineffective		ineffective	
239	11:58:00	ineffective		ineffective		ineffective	
240	11:59:00	ineffective		ineffective		ineffective	
241	12:00:00	ineffective		ineffective		ineffective	
242	12:01:00	ineffective		ineffective		ineffective	
243	12:02:00	ineffective		ineffective		ineffective	
244	12:03:00	ineffective		ineffective		ineffective	

245	12:04:00	ineffective		ineffective		ineffective	
246	12:05:00	ineffective		ineffective		ineffective	
247	12:06:00	ineffective		ineffective		ineffective	
248	12:07:00	ineffective		ineffective		ineffective	
249	12:08:00	ineffective		ineffective		ineffective	
250	12:09:00	ineffective		ineffective		ineffective	
251	12:10:00	ineffective		ineffective		ineffective	
252	12:11:00	ineffective		ineffective		ineffective	
253	12:12:00	ineffective		ineffective		ineffective	
254	12:13:00	ineffective		ineffective		ineffective	
255	12:14:00	ineffective		ineffective		ineffective	
256	12:15:00	ineffective		ineffective		ineffective	
257	12:16:00	ineffective		ineffective		ineffective	
258	12:17:00	ineffective		ineffective		ineffective	
259	12:18:00	ineffective		ineffective		ineffective	
260	12:19:00	ineffective		ineffective		ineffective	
261	12:20:00	ineffective		ineffective		ineffective	
262	12:21:00	ineffective		ineffective		ineffective	
263	12:22:00	ineffective		ineffective		ineffective	
264	12:23:00	ineffective		ineffective		ineffective	
265	12:24:00	ineffective		ineffective		ineffective	
266	12:25:00	ineffective		ineffective		ineffective	
267	12:26:00	ineffective		ineffective		ineffective	
268	12:27:00	ineffective		ineffective		ineffective	
269	12:28:00	ineffective		ineffective		ineffective	
270	12:29:00	ineffective		ineffective		ineffective	
271	12:30:00	ineffective		ineffective		ineffective	
272	12:31:00	ineffective		ineffective		ineffective	
273	12:32:00	ineffective		ineffective		ineffective	
274	12:33:00	ineffective		ineffective		ineffective	
275	12:34:00	ineffective		ineffective		ineffective	
276	12:35:00	ineffective		ineffective		ineffective	
277	12:36:00	ineffective		ineffective		ineffective	
278	12:37:00	ineffective		ineffective		ineffective	
279	12:38:00	ineffective		ineffective		ineffective	
280	12:39:00	ineffective		ineffective		ineffective	
281	12:40:00	effective	75	effective	75	effective	75
282	12:41:00	effective	75	effective	75	effective	75
283	12:42:00	effective	75	effective	75	effective	75
284	12:43:00	effective	75	effective	75	effective	75
285	12:44:00	effective	75	effective	75	effective	75
286	12:45:00	effective	75	effective	75	effective	75
287	12:46:00	effective	75	effective	75	effective	75
288	12:47:00	effective	75	effective	75	effective	75
289	12:48:00	effective	75	effective	75	ineffective	
290	12:49:00	effective	75	effective	75	ineffective	
291	12:50:00	effective	75	ineffective		effective	100
292	12:51:00	effective	75	effective	75	effective	100
293	12:52:00	effective	75	effective	75	effective	100
294	12:53:00	effective	75	effective	75	effective	100

295	12:54:00	ineffective		effective	100	effective	100
296	12:55:00	ineffective		effective	100	effective	100
297	12:56:00	ineffective		effective	100	effective	100
298	12:57:00	effective	75	effective	100	effective	100
299	12:58:00	effective	75	effective	100	effective	100
300	12:59:00	ineffective		effective	100	effective	100
301	13:00:00	effective	75	effective	100	effective	100
302	13:01:00	effective	75	effective	100	effective	100
303	13:02:00	effective	75	effective	100	effective	100
304	13:03:00	ineffective		effective	100	effective	100
305	13:04:00	ineffective		effective	100	effective	100
306	13:05:00	effective	75	effective	100	effective	100
307	13:06:00	effective	75	effective	100	effective	100
308	13:07:00	effective	100	effective	100	effective	100
309	13:08:00	effective	100	ineffective		effective	100
310	13:09:00	effective	100	effective	100	effective	100
311	13:10:00	effective	100	effective	100	effective	100
312	13:11:00	effective	100	effective	100	ineffective	
313	13:12:00	effective	100	effective	100	ineffective	
314	13:13:00	effective	100	effective	100	ineffective	
315	13:14:00	effective	100	effective	100	ineffective	
316	13:15:00	effective	100	effective	100	effective	100
317	13:16:00	effective	100	effective	100	effective	100
318	13:17:00	effective	100	effective	100	effective	100
319	13:18:00	effective	100	effective	100	effective	100
320	13:19:00	effective	100	effective	100	effective	100
321	13:20:00	effective	100	effective	100	ineffective	
322	13:21:00	ineffective	100	effective	100	ineffective	
323	13:22:00	ineffective		effective	100	ineffective	
324	13:23:00	effective	100	effective	100	effective	75
325	13:24:00	effective	100	effective	100	effective	75
326	13:25:00	effective	100	effective	100	effective	75
327	13:26:00	effective	100	effective	100	ineffective	
328	13:27:00	effective	100	effective	100	ineffective	
329	13:28:00	ineffective		effective	100	ineffective	
330	13:29:00	ineffective		effective	100	ineffective	
331	13:30:00	effective	100	ineffective		ineffective	
332	13:31:00	effective	100	ineffective		ineffective	
333	13:32:00	effective	100	effective	100	effective	100
334	13:33:00	effective	100	effective	100	effective	100
335	13:34:00	effective	100	effective	100	effective	100
336	13:35:00	effective	100	effective	100	effective	100
337	13:36:00	effective	100	effective	100	effective	100
338	13:37:00	effective	100	effective	100	effective	100
339	13:38:00	ineffective		effective	100	ineffective	
340	13:39:00	ineffective		effective	100	ineffective	
341	13:40:00	ineffective		effective	100	ineffective	
342	13:41:00	ineffective		effective	100	ineffective	
343	13:42:00	ineffective		effective	100	ineffective	
344	13:43:00	effective	100	effective	100	ineffective	

345	13:44:00	effective	100	effective	100	ineffective	
346	13:45:00	effective	100	effective	100	effective	75
347	13:46:00	effective	100	ineffective		effective	75
348	13:47:00	effective	100	ineffective		ineffective	
349	13:48:00	effective	100	ineffective		ineffective	
350	13:49:00	effective	100	effective	100	ineffective	
351	13:50:00	effective	100	effective	100	ineffective	
352	13:51:00	effective	100	effective	100	effective	75
353	13:52:00	effective	100	effective	100	effective	75
354	13:53:00	effective	100	effective	100	ineffective	
355	13:54:00	effective	100	ineffective		effective	75
356	13:55:00	effective	100	ineffective		effective	100
357	13:56:00	effective	100	ineffective		effective	100
358	13:57:00	effective	100	ineffective		effective	100
359	13:58:00	effective	100	ineffective		effective	100
360	13:59:00	effective	100	ineffective		effective	100
361	14:00:00	effective	100	ineffective		effective	100
362	14:01:00	effective	100	effective	100	effective	100
363	14:02:00	effective	100	effective	100	effective	100
364	14:03:00	effective	100	effective	100	effective	100
365	14:04:00	effective	100	effective	100	effective	100
366	14:05:00	effective	100	effective	100	effective	100
367	14:06:00	ineffective		effective	100	effective	100
368	14:07:00	ineffective		effective	100	effective	100
369	14:08:00	ineffective		effective	100	ineffective	
370	14:09:00	ineffective		effective	100	ineffective	
371	14:10:00	ineffective		effective	100	ineffective	
372	14:11:00	ineffective		effective	100	ineffective	
373	14:12:00	ineffective		effective	100	ineffective	
374	14:13:00	effective	100	effective	100	effective	100
375	14:14:00	effective	100	effective	100	effective	100
376	14:15:00	effective	100	effective	100	effective	100
377	14:16:00	effective	100	effective	100	effective	100
378	14:17:00	effective	100	effective	100	effective	100
379	14:18:00	effective	100	effective	100	effective	100
380	14:19:00	effective	100	effective	100	effective	100
381	14:20:00	effective	100	effective	100	effective	100
382	14:21:00	effective	100	ineffective		effective	100
383	14:22:00	effective	100	ineffective		effective	100
384	14:23:00	effective	100	ineffective		effective	100
385	14:24:00	effective	100	ineffective		ineffective	
386	14:25:00	ineffective		ineffective		ineffective	
387	14:26:00	ineffective		ineffective		ineffective	
388	14:27:00	ineffective		ineffective		ineffective	
389	14:28:00	ineffective		ineffective		ineffective	
390	14:29:00	ineffective		ineffective		ineffective	
391	14:30:00	ineffective		ineffective		ineffective	
392	14:31:00	ineffective		ineffective		ineffective	
393	14:32:00	ineffective		ineffective		ineffective	
394	14:33:00	ineffective		ineffective		ineffective	

395	14:34:00	ineffective		effective	75	ineffective	
396	14:35:00	ineffective		effective	75	ineffective	
397	14:36:00	effective	75	effective	75	ineffective	
398	14:37:00	effective	75	effective	75	effective	75
399	14:38:00	effective	75	effective	75	effective	75
400	14:39:00	effective	75	effective	75	effective	100
401	14:40:00	effective	75	effective	75	effective	100
402	14:41:00	effective	75	effective	75	effective	100
403	14:42:00	effective	100	effective	100	effective	100
404	14:43:00	effective	100	effective	100	effective	100
405	14:44:00	effective	100	effective	100	effective	100
406	14:45:00	effective	100	effective	100	effective	100
407	14:46:00	effective	100	effective	100	effective	100
408	14:47:00	effective	100	effective	100	effective	100
409	14:48:00	effective	100	effective	100	effective	100
410	14:49:00	effective	100	effective	100	effective	100
411	14:50:00	effective	100	effective	100	effective	100
412	14:51:00	effective	100	effective	100	effective	100
413	14:52:00	effective	100	effective	100	effective	100
414	14:53:00	effective	100	effective	100	effective	100
415	14:54:00	effective	100	effective	100	effective	100
416	14:55:00	effective	100	effective	100	effective	100
417	14:56:00	effective	100	effective	100	effective	100
418	14:57:00	effective	100	effective	100	effective	100
419	14:58:00	effective	100	effective	100	effective	100
420	14:59:00	effective	100	effective	100	effective	100
421	15:00:00	effective	100	effective	100	effective	100
422	15:01:00	effective	100	effective	100	effective	100
423	15:02:00	effective	100	effective	100	effective	100
424	15:03:00	effective	100	effective	100	effective	100
425	15:04:00	effective	100	effective	100	effective	100
426	15:05:00	effective	100	effective	100	effective	100
427	15:06:00	effective	100	effective	100	effective	100
428	15:07:00	effective	100	effective	100	effective	100
429	15:08:00	effective	100	effective	100	effective	100
430	15:09:00	effective	100	effective	100	effective	100
431	15:10:00	effective	100	effective	100	effective	100
432	15:11:00	effective	100	effective	100	effective	100
433	15:12:00	effective	100	effective	100	effective	100
434	15:13:00	effective	100	effective	100	effective	100
435	15:14:00	effective	100	effective	100	effective	100
436	15:15:00	effective	100	effective	100	effective	100
437	15:16:00	effective	100	effective	100	effective	100
438	15:17:00	effective	100	effective	100	effective	100
439	15:18:00	effective	100	effective	100	effective	100
440	15:19:00	effective	100	effective	100	effective	100
441	15:20:00	effective	100	effective	100	effective	100
442	15:21:00	effective	100	effective	100	effective	100
443	15:22:00	effective	100	effective	100	effective	100
444	15:23:00	effective	100	effective	100	effective	100

445	15:24:00	effective	100	effective	100	effective	100
446	15:25:00	effective	100	effective	100	effective	100
447	15:26:00	effective	100	effective	100	effective	100
448	15:27:00	effective	100	effective	100	effective	100
449	15:28:00	effective	100	effective	100	effective	100
450	15:29:00	effective	100	effective	100	effective	100
451	15:30:00	effective	100	effective	100	effective	100
452	15:31:00	effective	100	effective	100	effective	100
453	15:32:00	effective	100	effective	100	effective	100
454	15:33:00	effective	100	effective	100	effective	100
455	15:34:00	effective	100	effective	100	effective	100
456	15:35:00	effective	100	effective	100	effective	100
457	15:36:00	effective	100	effective	100	effective	100
458	15:37:00	effective	100	effective	100	effective	100
459	15:38:00	effective	100	effective	100	effective	100
460	15:39:00	effective	100	effective	100	effective	100
461	15:40:00	effective	100	effective	100	effective	100
462	15:41:00	effective	100	effective	100	effective	100
463	15:42:00	effective	100	effective	100	effective	100
464	15:43:00	effective	100	effective	100	effective	100
465	15:44:00	effective	100	effective	100	effective	100
466	15:45:00	effective	100	effective	100	effective	100
467	15:46:00	effective	100	effective	100	effective	100
468	15:47:00	effective	100	effective	100	effective	100
469	15:48:00	effective	100	effective	100	effective	100
470	15:49:00	effective	100	effective	100	effective	100
471	15:50:00	effective	100	effective	100	effective	100
472	15:51:00	effective	100	effective	100	ineffective	
473	15:52:00	effective	100	effective	100	ineffective	
474	15:53:00	effective	100	effective	100	ineffective	
475	15:54:00	effective	100	effective	100	ineffective	
476	15:55:00	effective	100	effective	100	ineffective	
477	15:56:00	ineffective		effective	100	ineffective	
478	15:57:00	ineffective		effective	100	ineffective	
479	15:58:00	ineffective		ineffective		ineffective	
480	15:59:00	ineffective		ineffective		ineffective	
481	16:00:00	ineffective		ineffective		ineffective	

OBSERVATION SHEET							
No : 5		Waktu mulai : 08.00		Jenis Pekerjaan : Perakitan + Finishing			
Tgl : 18/4/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 3.6 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Suyanto		Pak Walkidi		Pak Ponidi	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		ineffective	
3	8:02:00	ineffective		ineffective		ineffective	
4	8:03:00	ineffective		ineffective		ineffective	
5	8:04:00	ineffective		ineffective		ineffective	
6	8:05:00	ineffective		ineffective		ineffective	
7	8:06:00	ineffective		ineffective		ineffective	
8	8:07:00	ineffective		ineffective		ineffective	
9	8:08:00	ineffective		ineffective		ineffective	
10	8:09:00	ineffective		ineffective		ineffective	
11	8:10:00	ineffective		ineffective		ineffective	
12	8:11:00	ineffective		ineffective		ineffective	
13	8:12:00	ineffective		ineffective		ineffective	
14	8:13:00	ineffective		ineffective		ineffective	
15	8:14:00	ineffective		ineffective		ineffective	
16	8:15:00	ineffective		ineffective		ineffective	
17	8:16:00	ineffective		ineffective		ineffective	
18	8:17:00	ineffective		ineffective		ineffective	
19	8:18:00	ineffective		ineffective		ineffective	
20	8:19:00	ineffective		ineffective		ineffective	
21	8:20:00	ineffective		ineffective		ineffective	
22	8:21:00	ineffective		ineffective		ineffective	
23	8:22:00	ineffective		ineffective		ineffective	
24	8:23:00	ineffective		ineffective		ineffective	
25	8:24:00	ineffective		ineffective		ineffective	
26	8:25:00	ineffective		ineffective		ineffective	
27	8:26:00	ineffective		ineffective		ineffective	
28	8:27:00	ineffective		ineffective		ineffective	
29	8:28:00	ineffective		ineffective		ineffective	
30	8:29:00	ineffective		ineffective		ineffective	
31	8:30:00	ineffective		ineffective		ineffective	
32	8:31:00	ineffective		ineffective		ineffective	
33	8:32:00	ineffective		ineffective		ineffective	
34	8:33:00	ineffective		ineffective		ineffective	
35	8:34:00	ineffective		ineffective		ineffective	
36	8:35:00	ineffective		ineffective		ineffective	
37	8:36:00	ineffective		ineffective		ineffective	
38	8:37:00	ineffective		ineffective		ineffective	
39	8:38:00	ineffective		ineffective		ineffective	
40	8:39:00	ineffective		ineffective		ineffective	
41	8:40:00	ineffective		ineffective		ineffective	
42	8:41:00	ineffective		ineffective		ineffective	
43	8:42:00	ineffective		ineffective		ineffective	
44	8:43:00	ineffective		ineffective		ineffective	

45	8:44:00	ineffective	ineffective	ineffective
46	8:45:00	ineffective	ineffective	ineffective
47	8:46:00	ineffective	ineffective	ineffective
48	8:47:00	ineffective	ineffective	ineffective
49	8:48:00	ineffective	ineffective	ineffective
50	8:49:00	ineffective	ineffective	ineffective
51	8:50:00	ineffective	ineffective	ineffective
52	8:51:00	ineffective	ineffective	ineffective
53	8:52:00	ineffective	ineffective	ineffective
54	8:53:00	ineffective	ineffective	ineffective
55	8:54:00	ineffective	ineffective	ineffective
56	8:55:00	ineffective	ineffective	ineffective
57	8:56:00	ineffective	ineffective	ineffective
58	8:57:00	ineffective	ineffective	ineffective
59	8:58:00	ineffective	ineffective	ineffective
60	8:59:00	ineffective	ineffective	ineffective
61	9:00:00	ineffective	ineffective	ineffective
62	9:01:00	ineffective	ineffective	ineffective
63	9:02:00	ineffective	ineffective	ineffective
64	9:03:00	ineffective	ineffective	ineffective
65	9:04:00	ineffective	ineffective	ineffective
66	9:05:00	ineffective	ineffective	ineffective
67	9:06:00	ineffective	ineffective	ineffective
68	9:07:00	ineffective	ineffective	ineffective
69	9:08:00	ineffective	ineffective	ineffective
70	9:09:00	ineffective	ineffective	ineffective
71	9:10:00	ineffective	ineffective	ineffective
72	9:11:00	ineffective	ineffective	ineffective
73	9:12:00	ineffective	ineffective	ineffective
74	9:13:00	ineffective	ineffective	ineffective
75	9:14:00	ineffective	ineffective	ineffective
76	9:15:00	ineffective	ineffective	ineffective
77	9:16:00	ineffective	ineffective	ineffective
78	9:17:00	ineffective	ineffective	ineffective
79	9:18:00	ineffective	ineffective	ineffective
80	9:19:00	ineffective	ineffective	ineffective
81	9:20:00	ineffective	ineffective	ineffective
82	9:21:00	ineffective	ineffective	ineffective
83	9:22:00	ineffective	ineffective	ineffective
84	9:23:00	ineffective	ineffective	ineffective
85	9:24:00	ineffective	ineffective	ineffective
86	9:25:00	ineffective	ineffective	ineffective
87	9:26:00	ineffective	ineffective	ineffective
88	9:27:00	ineffective	ineffective	ineffective
89	9:28:00	ineffective	ineffective	ineffective
90	9:29:00	ineffective	ineffective	ineffective
91	9:30:00	ineffective	ineffective	ineffective
92	9:31:00	ineffective	ineffective	ineffective
93	9:32:00	ineffective	ineffective	ineffective
94	9:33:00	ineffective	ineffective	ineffective

95	9:34:00	ineffective		ineffective		ineffective	
96	9:35:00	ineffective		ineffective		ineffective	
97	9:36:00	ineffective		ineffective		ineffective	
98	9:37:00	ineffective		ineffective		ineffective	
99	9:38:00	ineffective		ineffective		ineffective	
100	9:39:00	ineffective		ineffective		ineffective	
101	9:40:00	ineffective		ineffective		ineffective	
102	9:41:00	ineffective		ineffective		ineffective	
103	9:42:00	ineffective		ineffective		ineffective	
104	9:43:00	effective	75	effective	75	effective	75
105	9:44:00	effective	75	effective	75	effective	75
106	9:45:00	effective	75	effective	75	effective	75
107	9:46:00	effective	75	effective	75	effective	75
108	9:47:00	effective	75	effective	75	effective	75
109	9:48:00	effective	75	effective	75	effective	75
110	9:49:00	effective	75	effective	75	effective	75
111	9:50:00	effective	75	effective	75	effective	75
112	9:51:00	effective	75	effective	75	effective	75
113	9:52:00	effective	75	ineffective		effective	75
114	9:53:00	effective	75	ineffective		effective	75
115	9:54:00	effective	75	ineffective		effective	75
116	9:55:00	effective	75	ineffective		effective	75
117	9:56:00	effective	75	ineffective		effective	75
118	9:57:00	effective	75	ineffective		effective	75
119	9:58:00	effective	75	ineffective		ineffective	
120	9:59:00	effective	75	ineffective		ineffective	
121	10:00:00	effective	75	effective	75	ineffective	
122	10:01:00	ineffective		effective	75	ineffective	
123	10:02:00	ineffective		effective	75	effective	75
124	10:03:00	ineffective		effective	75	effective	75
125	10:04:00	effective	75	effective	75	effective	75
126	10:05:00	effective	75	effective	75	effective	75
127	10:06:00	effective	75	effective	75	effective	75
128	10:07:00	effective	75	effective	100	ineffective	
129	10:08:00	effective	75	effective	100	ineffective	
130	10:09:00	effective	75	effective	100	ineffective	
131	10:10:00	effective	75	effective	100	ineffective	
132	10:11:00	effective	75	effective	100	ineffective	
133	10:12:00	effective	75	effective	100	ineffective	
134	10:13:00	effective	75	effective	100	ineffective	
135	10:14:00	effective	75	effective	100	ineffective	
136	10:15:00	effective	100	effective	100	effective	75
137	10:16:00	effective	100	effective	100	effective	75
138	10:17:00	effective	100	effective	100	effective	75
139	10:18:00	effective	100	effective	100	effective	75
140	10:19:00	effective	100	effective	100	effective	75
141	10:20:00	effective	100	effective	100	effective	75
142	10:21:00	effective	100	effective	100	effective	75
143	10:22:00	effective	100	effective	100	effective	75
144	10:23:00	effective	100	effective	75	effective	75

145	10:24:00	effective	100	effective	75	effective	75
146	10:25:00	effective	100	effective	75	effective	75
147	10:26:00	effective	100	effective	75	effective	75
148	10:27:00	effective	100	effective	75	effective	75
149	10:28:00	effective	100	effective	75	effective	75
150	10:29:00	effective	100	effective	75	effective	75
151	10:30:00	effective	100	effective	75	effective	75
152	10:31:00	effective	100	effective	75	effective	75
153	10:32:00	effective	100	effective	75	effective	75
154	10:33:00	effective	100	effective	75	effective	75
155	10:34:00	effective	100	effective	75	effective	75
156	10:35:00	effective	75	ineffective		effective	75
157	10:36:00	effective	75	ineffective		effective	75
158	10:37:00	effective	75	ineffective		effective	75
159	10:38:00	effective	75	effective	75	effective	75
160	10:39:00	effective	75	effective	75	effective	75
161	10:40:00	effective	75	effective	75	effective	75
162	10:41:00	effective	75	effective	75	effective	75
163	10:42:00	effective	75	effective	100	ineffective	
164	10:43:00	effective	75	effective	100	ineffective	
165	10:44:00	effective	75	effective	100	ineffective	
166	10:45:00	effective	75	effective	100	ineffective	
167	10:46:00	effective	75	effective	100	effective	75
168	10:47:00	effective	75	effective	100	effective	75
169	10:48:00	effective	75	effective	100	effective	75
170	10:49:00	effective	75	effective	100	effective	75
171	10:50:00	ineffective		effective	100	effective	75
172	10:51:00	ineffective		effective	100	effective	75
173	10:52:00	ineffective		effective	100	effective	75
174	10:53:00	ineffective		effective	100	effective	75
175	10:54:00	ineffective		effective	100	effective	75
176	10:55:00	ineffective		effective	100	effective	75
177	10:56:00	effective	75	effective	100	effective	100
178	10:57:00	effective	75	effective	100	effective	100
179	10:58:00	effective	75	effective	100	effective	100
180	10:59:00	effective	100	effective	100	effective	100
181	11:00:00	effective	100	effective	100	effective	100
182	11:01:00	effective	100	effective	100	effective	100
183	11:02:00	effective	100	effective	100	effective	100
184	11:03:00	effective	100	effective	100	effective	100
185	11:04:00	effective	100	effective	100	effective	100
186	11:05:00	effective	100	effective	75	effective	100
187	11:06:00	effective	100	effective	75	effective	100
188	11:07:00	effective	100	effective	75	effective	100
189	11:08:00	effective	100	effective	75	effective	100
190	11:09:00	effective	75	effective	75	effective	100
191	11:10:00	effective	75	effective	75	effective	100
192	11:11:00	effective	75	effective	75	effective	100
193	11:12:00	effective	75	effective	75	effective	100
194	11:13:00	ineffective		effective	75	effective	100

195	11:14:00	ineffective		ineffective		effective	100
196	11:15:00	ineffective		ineffective		effective	100
197	11:16:00	ineffective		ineffective		effective	100
198	11:17:00	ineffective		ineffective		effective	75
199	11:18:00	ineffective		ineffective		effective	75
200	11:19:00	ineffective		ineffective		effective	75
201	11:20:00	ineffective		ineffective		ineffective	
202	11:21:00	ineffective		ineffective		ineffective	
203	11:22:00	ineffective		ineffective		ineffective	
204	11:23:00	effective	75	effective	75	effective	75
205	11:24:00	effective	75	effective	75	effective	75
206	11:25:00	effective	75	effective	75	effective	75
207	11:26:00	effective	75	effective	75	effective	75
208	11:27:00	effective	75	effective	75	effective	75
209	11:28:00	effective	75	effective	75	ineffective	
210	11:29:00	effective	75	effective	75	ineffective	
211	11:30:00	ineffective		effective	75	ineffective	
212	11:31:00	ineffective		effective	75	effective	75
213	11:32:00	effective	75	effective	75	effective	75
214	11:33:00	effective	75	effective	75	effective	75
215	11:34:00	ineffective		effective	75	effective	75
216	11:35:00	ineffective		effective	75	effective	75
217	11:36:00	effective	75	ineffective		ineffective	
218	11:37:00	effective	75	effective	75	effective	75
219	11:38:00	effective	75	effective	75	effective	75
220	11:39:00	effective	75	effective	75	effective	75
221	11:40:00	effective	75	effective	75	effective	75
222	11:41:00	effective	75	effective	75	effective	75
223	11:42:00	effective	75	effective	75	effective	75
224	11:43:00	effective	75	effective	75	effective	75
225	11:44:00	effective	75	effective	75	effective	75
226	11:45:00	effective	75	effective	75	effective	75
227	11:46:00	effective	75	ineffective		ineffective	
228	11:47:00	effective	75	ineffective		ineffective	
229	11:48:00	ineffective		ineffective		ineffective	
230	11:49:00	ineffective		ineffective		ineffective	
231	11:50:00	ineffective		ineffective		ineffective	
232	11:51:00	ineffective		ineffective		ineffective	
233	11:52:00	ineffective		ineffective		ineffective	
234	11:53:00	ineffective		ineffective		ineffective	
235	11:54:00	ineffective		ineffective		ineffective	
236	11:55:00	ineffective		ineffective		ineffective	
237	11:56:00	ineffective		ineffective		ineffective	
238	11:57:00	ineffective		ineffective		ineffective	
239	11:58:00	ineffective		ineffective		ineffective	
240	11:59:00	ineffective		ineffective		ineffective	
241	12:00:00	ineffective		ineffective		ineffective	
242	12:01:00	ineffective		ineffective		ineffective	
243	12:02:00	ineffective		ineffective		ineffective	
244	12:03:00	ineffective		ineffective		ineffective	

[illegible]

295	12:54:00	ineffective		ineffective		ineffective	
296	12:55:00	ineffective		ineffective		ineffective	
297	12:56:00	ineffective		ineffective		ineffective	
298	12:57:00	ineffective		ineffective		ineffective	
299	12:58:00	ineffective		ineffective		ineffective	
300	12:59:00	ineffective		effective	75	effective	75
301	13:00:00	ineffective		effective	75	effective	75
302	13:01:00	effective	75	effective	75	effective	75
303	13:02:00	effective	75	effective	100	effective	100
304	13:03:00	effective	75	effective	100	effective	100
305	13:04:00	effective	100	effective	100	effective	100
306	13:05:00	effective	100	effective	100	effective	100
307	13:06:00	effective	100	effective	100	effective	100
308	13:07:00	effective	100	effective	100	effective	100
309	13:08:00	effective	100	effective	100	effective	100
310	13:09:00	effective	100	effective	100	effective	100
311	13:10:00	effective	100	effective	100	effective	100
312	13:11:00	effective	100	effective	100	ineffective	
313	13:12:00	effective	100	effective	100	ineffective	
314	13:13:00	effective	100	effective	100	ineffective	
315	13:14:00	effective	100	effective	100	effective	100
316	13:15:00	effective	100	effective	100	effective	100
317	13:16:00	effective	100	effective	100	effective	100
318	13:17:00	effective	100	effective	100	effective	100
319	13:18:00	effective	100	effective	100	effective	100
320	13:19:00	effective	100	effective	100	effective	100
321	13:20:00	effective	100	effective	100	effective	100
322	13:21:00	effective	100	effective	100	effective	100
323	13:22:00	effective	100	effective	100	effective	100
324	13:23:00	ineffective		effective	100	effective	100
325	13:24:00	ineffective		effective	100	effective	100
326	13:25:00	effective	100	effective	100	effective	100
327	13:26:00	effective	100	effective	100	effective	100
328	13:27:00	effective	100	effective	100	effective	100
329	13:28:00	effective	100	effective	100	effective	100
330	13:29:00	effective	100	effective	100	effective	100
331	13:30:00	effective	100	effective	100	effective	100
332	13:31:00	effective	100	effective	100	effective	100
333	13:32:00	effective	100	effective	100	ineffective	
334	13:33:00	effective	100	effective	100	ineffective	
335	13:34:00	effective	100	ineffective		effective	100
336	13:35:00	effective	100	ineffective		effective	100
337	13:36:00	effective	100	effective	100	effective	100
338	13:37:00	effective	100	effective	100	effective	100
339	13:38:00	effective	100	effective	100	effective	100
340	13:39:00	effective	100	effective	100	effective	100
341	13:40:00	effective	100	effective	100	effective	100
342	13:41:00	effective	100	effective	100	effective	100
343	13:42:00	effective	100	effective	100	effective	100
344	13:43:00	ineffective		ineffective		effective	100

345	13:44:00	effective	100	effective	100	effective	100
346	13:45:00	effective	100	effective	100	effective	100
347	13:46:00	effective	100	effective	100	effective	100
348	13:47:00	effective	100	effective	100	effective	100
349	13:48:00	effective	100	effective	100	effective	100
350	13:49:00	effective	100	effective	100	effective	100
351	13:50:00	effective	100	effective	100	effective	100
352	13:51:00	effective	100	effective	100	effective	100
353	13:52:00	effective	100	effective	100	effective	100
354	13:53:00	effective	100	effective	100	effective	100
355	13:54:00	effective	100	effective	100	effective	100
356	13:55:00	effective	100	effective	100	ineffective	
357	13:56:00	effective	100	effective	100	ineffective	
358	13:57:00	effective	100	effective	100	ineffective	
359	13:58:00	ineffective		effective	100	effective	100
360	13:59:00	ineffective		effective	100	effective	100
361	14:00:00	effective	100	effective	100	effective	100
362	14:01:00	effective	100	effective	100	effective	100
363	14:02:00	effective	100	effective	100	effective	100
364	14:03:00	effective	100	ineffective		effective	100
365	14:04:00	effective	100	effective	100	effective	100
366	14:05:00	effective	100	effective	100	effective	100
367	14:06:00	effective	100	effective	100	effective	100
368	14:07:00	effective	100	effective	100	effective	100
369	14:08:00	effective	100	effective	100	effective	100
370	14:09:00	effective	100	effective	100	effective	100
371	14:10:00	effective	100	effective	100	effective	100
372	14:11:00	effective	100	effective	100	effective	100
373	14:12:00	effective	100	effective	100	ineffective	
374	14:13:00	ineffective		effective	100	effective	100
375	14:14:00	effective	100	effective	100	effective	100
376	14:15:00	effective	100	effective	100	effective	100
377	14:16:00	effective	100	effective	100	effective	100
378	14:17:00	effective	100	effective	100	effective	100
379	14:18:00	effective	100	effective	100	effective	100
380	14:19:00	effective	100	effective	100	effective	100
381	14:20:00	effective	100	effective	100	effective	100
382	14:21:00	ineffective		effective	100	effective	100
383	14:22:00	ineffective		effective	100	effective	100
384	14:23:00	effective	100	effective	100	effective	100
385	14:24:00	effective	100	effective	100	effective	100
386	14:25:00	effective	100	effective	100	effective	100
387	14:26:00	effective	100	effective	100	effective	100
388	14:27:00	effective	100	effective	100	effective	100
389	14:28:00	effective	100	ineffective		effective	100
390	14:29:00	effective	100	ineffective		effective	100
391	14:30:00	effective	100	effective	100	effective	100
392	14:31:00	effective	100	effective	100	ineffective	
393	14:32:00	effective	100	effective	100	ineffective	
394	14:33:00	effective	100	effective	100	ineffective	

395	14:34:00	effective	100	effective	100	effective	100
396	14:35:00	effective	100	effective	100	effective	100
397	14:36:00	effective	100	effective	100	effective	100
398	14:37:00	effective	100	effective	100	effective	100
399	14:38:00	effective	100	effective	100	effective	100
400	14:39:00	effective	100	ineffective		effective	100
401	14:40:00	effective	100	effective	100	effective	100
402	14:41:00	effective	100	effective	100	effective	100
403	14:42:00	effective	100	effective	100	effective	100
404	14:43:00	ineffective		effective	100	effective	100
405	14:44:00	ineffective		effective	100	effective	100
406	14:45:00	ineffective		effective	100	effective	100
407	14:46:00	effective	100	effective	100	effective	100
408	14:47:00	effective	100	effective	100	effective	100
409	14:48:00	effective	100	effective	100	effective	100
410	14:49:00	effective	100	effective	100	effective	100
411	14:50:00	effective	100	effective	100	effective	100
412	14:51:00	effective	100	effective	100	effective	100
413	14:52:00	effective	100	effective	100	effective	100
414	14:53:00	effective	100	effective	100	effective	100
415	14:54:00	effective	100	effective	100	effective	100
416	14:55:00	effective	100	effective	100	effective	100
417	14:56:00	effective	100	effective	100	effective	100
418	14:57:00	effective	100	effective	100	effective	100
419	14:58:00	effective	100	effective	100	effective	100
420	14:59:00	effective	100	effective	100	effective	100
421	15:00:00	effective	100	effective	100	effective	100
422	15:01:00	ineffective		ineffective		effective	100
423	15:02:00	ineffective		ineffective		effective	100
424	15:03:00	effective	100	ineffective		effective	100
425	15:04:00	effective	100	effective	100	effective	100
426	15:05:00	effective	100	effective	100	effective	100
427	15:06:00	effective	100	effective	100	effective	100
428	15:07:00	effective	100	effective	100	effective	100
429	15:08:00	effective	100	effective	100	effective	100
430	15:09:00	effective	100	effective	100	effective	100
431	15:10:00	effective	100	effective	100	effective	100
432	15:11:00	effective	100	effective	100	effective	100
433	15:12:00	effective	100	effective	100	effective	100
434	15:13:00	effective	100	effective	100	effective	100
435	15:14:00	effective	100	effective	100	effective	100
436	15:15:00	effective	75	effective	100	ineffective	
437	15:16:00	effective	75	effective	100	effective	100
438	15:17:00	ineffective		effective	100	effective	100
439	15:18:00	ineffective		effective	100	effective	100
440	15:19:00	ineffective		effective	100	effective	100
441	15:20:00	ineffective		effective	100	effective	100
442	15:21:00	ineffective		effective	100	ineffective	
443	15:22:00	ineffective		effective	100	ineffective	
444	15:23:00	ineffective		effective	100	ineffective	

445	15:24:00	ineffective		ineffective		effective	100
446	15:25:00	ineffective		ineffective		effective	100
447	15:26:00	effective	75	effective	100	effective	100
448	15:27:00	effective	75	effective	100	effective	100
449	15:28:00	effective	75	effective	100	effective	100
450	15:29:00	effective	75	effective	100	effective	100
451	15:30:00	effective	75	effective	100	effective	100
452	15:31:00	effective	75	effective	100	effective	100
453	15:32:00	effective	100	effective	100	effective	100
454	15:33:00	effective	100	effective	100	effective	100
455	15:34:00	effective	100	effective	100	effective	100
456	15:35:00	effective	100	effective	100	effective	100
457	15:36:00	effective	100	effective	100	effective	100
458	15:37:00	effective	100	effective	100	effective	100
459	15:38:00	effective	100	effective	100	effective	100
460	15:39:00	effective	100	effective	100	effective	100
461	15:40:00	effective	100	effective	100	effective	100
462	15:41:00	effective	100	effective	100	effective	100
463	15:42:00	effective	100	effective	100	effective	100
464	15:43:00	effective	100	effective	100	effective	100
465	15:44:00	effective	100	effective	100	effective	100
466	15:45:00	effective	100	effective	100	effective	100
467	15:46:00	effective	100	effective	100	effective	100
468	15:47:00	effective	100	effective	100	effective	100
469	15:48:00	effective	100	effective	100	effective	100
470	15:49:00	effective	100	effective	100	effective	100
471	15:50:00	effective	100	effective	100	effective	100
472	15:51:00	effective	100	effective	100	effective	100
473	15:52:00	effective	100	effective	100	effective	100
474	15:53:00	effective	100	effective	100	effective	75
475	15:54:00	effective	100	effective	75	effective	75
476	15:55:00	effective	100	effective	75	effective	75
477	15:56:00	effective	100	effective	75	effective	75
478	15:57:00	effective	75	effective	75	effective	75
479	15:58:00	effective	75	effective	75	effective	75
480	15:59:00	effective	75	effective	75	ineffective	
481	16:00:00	effective	75	ineffective		ineffective	

OBSERVATION SHEET							
No : 6		Waktu mulai : 08.00		Jenis Pekerjaan : Lifting + Cor			
Tgl : 19/4/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 10.5 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Suyanto		Pak Walkidi		Pak Ponidi	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		ineffective	
3	8:02:00	ineffective		ineffective		ineffective	
4	8:03:00	ineffective		ineffective		ineffective	
5	8:04:00	ineffective		ineffective		ineffective	
6	8:05:00	ineffective		ineffective		ineffective	
7	8:06:00	ineffective		ineffective		ineffective	
8	8:07:00	ineffective		ineffective		ineffective	
9	8:08:00	ineffective		ineffective		ineffective	
10	8:09:00	ineffective		ineffective		ineffective	
11	8:10:00	effective	100	effective	100	effective	100
12	8:11:00	effective	100	effective	100	effective	100
13	8:12:00	effective	100	effective	100	effective	100
14	8:13:00	effective	100	effective	100	effective	100
15	8:14:00	effective	100	effective	100	effective	100
16	8:15:00	effective	100	effective	100	effective	100
17	8:16:00	effective	100	effective	100	effective	100
18	8:17:00	effective	100	effective	100	effective	100
19	8:18:00	effective	100	effective	100	effective	100
20	8:19:00	effective	100	effective	100	effective	100
21	8:20:00	effective	100	effective	100	effective	100
22	8:21:00	effective	100	effective	100	effective	100
23	8:22:00	effective	100	effective	100	effective	100
24	8:23:00	effective	100	effective	100	effective	100
25	8:24:00	effective	100	effective	100	effective	100
26	8:25:00	effective	100	effective	100	effective	100
27	8:26:00	effective	100	effective	100	effective	100
28	8:27:00	effective	100	effective	100	effective	100
29	8:28:00	effective	100	effective	100	effective	100
30	8:29:00	effective	100	effective	100	effective	100
31	8:30:00	effective	100	effective	100	ineffective	
32	8:31:00	effective	100	effective	100	ineffective	
33	8:32:00	effective	100	effective	100	ineffective	
34	8:33:00	effective	100	effective	100	effective	100
35	8:34:00	effective	100	effective	100	effective	100
36	8:35:00	effective	100	effective	100	effective	100
37	8:36:00	effective	100	effective	100	effective	100
38	8:37:00	effective	100	effective	100	effective	100
39	8:38:00	effective	100	effective	100	effective	100
40	8:39:00	effective	100	effective	100	effective	100
41	8:40:00	effective	100	ineffective		effective	100

42	8:41:00	effective	100	ineffective		effective	100
43	8:42:00	effective	100	ineffective		effective	100
44	8:43:00	effective	100	ineffective		effective	100
45	8:44:00	effective	100	ineffective		effective	100
46	8:45:00	ineffective		ineffective		effective	100
47	8:46:00	ineffective		ineffective		effective	100
48	8:47:00	effective	100	ineffective		effective	100
49	8:48:00	effective	100	ineffective		effective	100
50	8:49:00	effective	100	ineffective		effective	100
51	8:50:00	effective	100	ineffective		effective	100
52	8:51:00	ineffective		ineffective		effective	100
53	8:52:00	ineffective		ineffective		effective	100
54	8:53:00	ineffective		ineffective		effective	100
55	8:54:00	ineffective		ineffective		effective	100
56	8:55:00	effective	100	ineffective		ineffective	
57	8:56:00	effective	100	ineffective		ineffective	
58	8:57:00	ineffective		ineffective		ineffective	
59	8:58:00	ineffective		ineffective		ineffective	
60	8:59:00	ineffective		ineffective		ineffective	
61	9:00:00	ineffective		ineffective		ineffective	
62	9:01:00	ineffective		ineffective		ineffective	
63	9:02:00	ineffective		ineffective		ineffective	
64	9:03:00	ineffective		ineffective		ineffective	
65	9:04:00	ineffective		ineffective		ineffective	
66	9:05:00	ineffective		ineffective		ineffective	
67	9:06:00	ineffective		ineffective		ineffective	
68	9:07:00	ineffective		ineffective		ineffective	
69	9:08:00	ineffective		ineffective		ineffective	
70	9:09:00	ineffective		effective	100	effective	100
71	9:10:00	ineffective		effective	100	effective	100
72	9:11:00	ineffective		effective	100	effective	100
73	9:12:00	effective	100	effective	100	effective	100
74	9:13:00	effective	100	effective	100	effective	100
75	9:14:00	effective	100	effective	100	effective	100
76	9:15:00	effective	100	effective	100	effective	100
77	9:16:00	effective	100	effective	100	effective	100
78	9:17:00	effective	100	effective	100	effective	100
79	9:18:00	effective	100	effective	100	effective	100
80	9:19:00	effective	100	effective	100	effective	100
81	9:20:00	effective	100	effective	100	ineffective	
82	9:21:00	effective	100	effective	100	ineffective	
83	9:22:00	effective	100	effective	100	ineffective	
84	9:23:00	effective	100	effective	100	effective	100
85	9:24:00	ineffective		effective	100	effective	100
86	9:25:00	effective	100	ineffective		effective	100
87	9:26:00	effective	100	effective	100	effective	100
88	9:27:00	effective	100	effective	100	effective	100

89	9:28:00	ineffective		effective	100	effective	100
90	9:29:00	ineffective		effective	100	ineffective	
91	9:30:00	effective	100	effective	100	effective	100
92	9:31:00	effective	100	effective	100	effective	100
93	9:32:00	effective	100	effective	100	effective	100
94	9:33:00	effective	100	effective	100	ineffective	
95	9:34:00	effective	100	effective	100	effective	100
96	9:35:00	ineffective		effective	100	effective	100
97	9:36:00	effective	100	effective	100	ineffective	
98	9:37:00	effective	100	effective	100	ineffective	
99	9:38:00	effective	100	ineffective		effective	100
100	9:39:00	ineffective		effective	100	effective	100
101	9:40:00	ineffective		effective	100	effective	100
102	9:41:00	effective	100	effective	100	ineffective	
103	9:42:00	effective	100	effective	100	ineffective	
104	9:43:00	effective	100	effective	100	ineffective	
105	9:44:00	effective	100	effective	100	ineffective	
106	9:45:00	effective	100	effective	100	effective	100
107	9:46:00	effective	100	effective	100	effective	100
108	9:47:00	effective	100	effective	100	effective	100
109	9:48:00	effective	100	effective	100	effective	100
110	9:49:00	effective	100	effective	100	effective	100
111	9:50:00	effective	100	effective	100	effective	100
112	9:51:00	effective	100	effective	100	effective	100
113	9:52:00	effective	100	effective	100	effective	100
114	9:53:00	effective	100	ineffective		ineffective	
115	9:54:00	ineffective		ineffective		ineffective	
116	9:55:00	ineffective		ineffective		ineffective	
117	9:56:00	ineffective		ineffective		ineffective	
118	9:57:00	effective	100	effective	100	ineffective	
119	9:58:00	effective	100	effective	100	ineffective	
120	9:59:00	effective	100	effective	100	ineffective	
121	10:00:00	effective	100	effective	100	ineffective	
122	10:01:00	effective	100	effective	100	ineffective	
123	10:02:00	effective	100	effective	100	ineffective	
124	10:03:00	effective	100	effective	100	effective	100
125	10:04:00	effective	100	effective	100	effective	100
126	10:05:00	ineffective		effective	100	ineffective	
127	10:06:00	ineffective		effective	100	ineffective	
128	10:07:00	ineffective		effective	100	ineffective	
129	10:08:00	ineffective		ineffective		ineffective	
130	10:09:00	ineffective		ineffective		ineffective	
131	10:10:00	ineffective		ineffective		ineffective	
132	10:11:00	ineffective		ineffective		ineffective	
133	10:12:00	ineffective		ineffective		ineffective	
134	10:13:00	ineffective		ineffective		ineffective	
135	10:14:00	ineffective		ineffective		ineffective	

136	10:15:00	ineffective		ineffective		ineffective	
137	10:16:00	ineffective		ineffective		ineffective	
138	10:17:00	ineffective		ineffective		ineffective	
139	10:18:00	ineffective		ineffective		ineffective	
140	10:19:00	ineffective		ineffective		ineffective	
141	10:20:00	effective	100	effective	100	effective	100
142	10:21:00	effective	100	effective	100	effective	100
143	10:22:00	effective	100	effective	100	effective	100
144	10:23:00	effective	100	effective	100	effective	100
145	10:24:00	effective	100	effective	100	effective	100
146	10:25:00	effective	100	effective	100	effective	100
147	10:26:00	effective	100	effective	100	effective	100
148	10:27:00	effective	100	effective	100	effective	100
149	10:28:00	effective	100	effective	100	effective	100
150	10:29:00	effective	100	effective	100	effective	100
151	10:30:00	ineffective		ineffective		ineffective	
152	10:31:00	ineffective		ineffective		ineffective	
153	10:32:00	ineffective		ineffective		ineffective	
154	10:33:00	ineffective		ineffective		ineffective	
155	10:34:00	ineffective		ineffective		ineffective	
156	10:35:00	ineffective		ineffective		ineffective	
157	10:36:00	ineffective		ineffective		ineffective	
158	10:37:00	ineffective		ineffective		ineffective	
159	10:38:00	ineffective		ineffective		ineffective	
160	10:39:00	ineffective		ineffective		ineffective	
161	10:40:00	ineffective		ineffective		ineffective	
162	10:41:00	ineffective		ineffective		ineffective	
163	10:42:00	ineffective		ineffective		ineffective	
164	10:43:00	ineffective		ineffective		ineffective	
165	10:44:00	ineffective		ineffective		ineffective	
166	10:45:00	ineffective		ineffective		ineffective	
167	10:46:00	ineffective		ineffective		ineffective	
168	10:47:00	ineffective		ineffective		ineffective	
169	10:48:00	effective	100	effective	100	effective	100
170	10:49:00	effective	100	effective	100	effective	100
171	10:50:00	effective	100	effective	100	effective	100
172	10:51:00	effective	100	effective	100	effective	100
173	10:52:00	effective	100	effective	100	effective	100
174	10:53:00	effective	100	effective	100	effective	100
175	10:54:00	effective	100	effective	100	effective	100
176	10:55:00	effective	100	effective	100	effective	100
177	10:56:00	effective	100	effective	100	effective	100
178	10:57:00	effective	100	effective	100	effective	100
179	10:58:00	effective	100	effective	100	effective	100
180	10:59:00	effective	100	effective	100	effective	100
181	11:00:00	effective	100	effective	100	effective	100
182	11:01:00	effective	100	effective	100	effective	100

183	11:02:00	effective	100	effective	100	effective	100
184	11:03:00	effective	100	effective	100	effective	100
185	11:04:00	effective	100	effective	100	ineffective	
186	11:05:00	effective	100	effective	100	ineffective	
187	11:06:00	effective	100	effective	100	effective	100
188	11:07:00	effective	100	effective	100	effective	100
189	11:08:00	effective	100	effective	100	effective	100
190	11:09:00	effective	100	effective	100	effective	100
191	11:10:00	effective	100	effective	100	effective	100
192	11:11:00	effective	100	effective	100	effective	100
193	11:12:00	effective	100	effective	100	effective	100
194	11:13:00	effective	100	effective	100	effective	100
195	11:14:00	effective	100	effective	100	effective	100
196	11:15:00	effective	100	effective	100	effective	100
197	11:16:00	effective	100	effective	100	effective	100
198	11:17:00	effective	100	effective	100	effective	100
199	11:18:00	effective	100	effective	100	effective	100
200	11:19:00	effective	100	effective	100	effective	100
201	11:20:00	effective	100	effective	100	effective	100
202	11:21:00	effective	100	effective	100	effective	100
203	11:22:00	effective	100	effective	100	effective	100
204	11:23:00	ineffective		ineffective		ineffective	
205	11:24:00	ineffective		ineffective		ineffective	
206	11:25:00	ineffective		ineffective		ineffective	
207	11:26:00	ineffective		ineffective		ineffective	
208	11:27:00	ineffective		ineffective		ineffective	
209	11:28:00	ineffective		ineffective		ineffective	
210	11:29:00	ineffective		ineffective		ineffective	
211	11:30:00	ineffective		ineffective		ineffective	
212	11:31:00	ineffective		ineffective		ineffective	
213	11:32:00	ineffective		ineffective		ineffective	
214	11:33:00	ineffective		ineffective		ineffective	
215	11:34:00	ineffective		ineffective		ineffective	
216	11:35:00	ineffective		ineffective		ineffective	
217	11:36:00	ineffective		ineffective		ineffective	
218	11:37:00	ineffective		ineffective		ineffective	
219	11:38:00	ineffective		ineffective		ineffective	
220	11:39:00	ineffective		ineffective		ineffective	
221	11:40:00	ineffective		ineffective		ineffective	
222	11:41:00	ineffective		ineffective		ineffective	
223	11:42:00	ineffective		ineffective		ineffective	
224	11:43:00	ineffective		ineffective		ineffective	
225	11:44:00	ineffective		ineffective		ineffective	
226	11:45:00	ineffective		ineffective		ineffective	
227	11:46:00	ineffective		ineffective		ineffective	
228	11:47:00	ineffective		ineffective		ineffective	
229	11:48:00	ineffective		ineffective		ineffective	

230	11:49:00	ineffective	ineffective	ineffective
231	11:50:00	ineffective	ineffective	ineffective
232	11:51:00	ineffective	ineffective	ineffective
233	11:52:00	ineffective	ineffective	ineffective
234	11:53:00	ineffective	ineffective	ineffective
235	11:54:00	ineffective	ineffective	ineffective
236	11:55:00	ineffective	ineffective	ineffective
237	11:56:00	ineffective	ineffective	ineffective
238	11:57:00	ineffective	ineffective	ineffective
239	11:58:00	ineffective	ineffective	ineffective
240	11:59:00	ineffective	ineffective	ineffective
241	12:00:00	ineffective	ineffective	ineffective
242	12:01:00	ineffective	ineffective	ineffective
243	12:02:00	ineffective	ineffective	ineffective
244	12:03:00	ineffective	ineffective	ineffective
245	12:04:00	ineffective	ineffective	ineffective
246	12:05:00	ineffective	ineffective	ineffective
247	12:06:00	ineffective	ineffective	ineffective
248	12:07:00	ineffective	ineffective	ineffective
249	12:08:00	ineffective	ineffective	ineffective
250	12:09:00	ineffective	ineffective	ineffective
251	12:10:00	ineffective	ineffective	ineffective
252	12:11:00	ineffective	ineffective	ineffective
253	12:12:00	ineffective	ineffective	ineffective
254	12:13:00	ineffective	ineffective	ineffective
255	12:14:00	ineffective	ineffective	ineffective
256	12:15:00	ineffective	ineffective	ineffective
257	12:16:00	ineffective	ineffective	ineffective
258	12:17:00	ineffective	ineffective	ineffective
259	12:18:00	ineffective	ineffective	ineffective
260	12:19:00	ineffective	ineffective	ineffective
261	12:20:00	ineffective	ineffective	ineffective
262	12:21:00	ineffective	ineffective	ineffective
263	12:22:00	ineffective	ineffective	ineffective
264	12:23:00	ineffective	ineffective	ineffective
265	12:24:00	ineffective	ineffective	ineffective
266	12:25:00	ineffective	ineffective	ineffective
267	12:26:00	ineffective	ineffective	ineffective
268	12:27:00	ineffective	ineffective	ineffective
269	12:28:00	ineffective	ineffective	ineffective
270	12:29:00	ineffective	ineffective	ineffective
271	12:30:00	ineffective	ineffective	ineffective
272	12:31:00	ineffective	ineffective	ineffective
273	12:32:00	ineffective	ineffective	ineffective
274	12:33:00	ineffective	ineffective	ineffective
275	12:34:00	ineffective	ineffective	ineffective
276	12:35:00	ineffective	ineffective	ineffective

277	12:36:00	ineffective		ineffective		ineffective	
278	12:37:00	ineffective		ineffective		ineffective	
279	12:38:00	ineffective		ineffective		ineffective	
280	12:39:00	ineffective		ineffective		ineffective	
281	12:40:00	ineffective		ineffective		ineffective	
282	12:41:00	ineffective		ineffective		ineffective	
283	12:42:00	ineffective		ineffective		ineffective	
284	12:43:00	ineffective		ineffective		ineffective	
285	12:44:00	ineffective		ineffective		ineffective	
286	12:45:00	ineffective		ineffective		ineffective	
287	12:46:00	ineffective		ineffective		ineffective	
288	12:47:00	ineffective		ineffective		ineffective	
289	12:48:00	ineffective		ineffective		ineffective	
290	12:49:00	ineffective		ineffective		ineffective	
291	12:50:00	ineffective		ineffective		ineffective	
292	12:51:00	ineffective		ineffective		ineffective	
293	12:52:00	ineffective		ineffective		ineffective	
294	12:53:00	ineffective		ineffective		ineffective	
295	12:54:00	ineffective		ineffective		ineffective	
296	12:55:00	ineffective		ineffective		ineffective	
297	12:56:00	ineffective		ineffective		ineffective	
298	12:57:00	ineffective		ineffective		ineffective	
299	12:58:00	ineffective		ineffective		ineffective	
300	12:59:00	ineffective		ineffective		ineffective	
301	13:00:00	ineffective		ineffective		ineffective	
302	13:01:00	ineffective		ineffective		effective	75
303	13:02:00	effective	75	effective	75	effective	75
304	13:03:00	effective	75	effective	75	effective	75
305	13:04:00	effective	100	effective	100	effective	100
306	13:05:00	effective	100	effective	100	effective	100
307	13:06:00	effective	100	effective	100	effective	100
308	13:07:00	effective	100	effective	100	effective	100
309	13:08:00	effective	100	effective	100	effective	100
310	13:09:00	effective	100	effective	100	effective	100
311	13:10:00	effective	100	effective	100	effective	100
312	13:11:00	effective	100	effective	100	effective	100
313	13:12:00	effective	100	effective	100	effective	100
314	13:13:00	effective	100	effective	100	effective	100
315	13:14:00	effective	100	effective	100	effective	100
316	13:15:00	effective	100	effective	100	effective	100
317	13:16:00	effective	100	effective	100	effective	100
318	13:17:00	effective	100	effective	100	effective	100
319	13:18:00	effective	100	effective	100	effective	100
320	13:19:00	effective	100	effective	100	effective	100
321	13:20:00	effective	100	effective	100	effective	100
322	13:21:00	effective	100	effective	100	effective	100
323	13:22:00	effective	100	effective	100	effective	100

324	13:23:00	effective	100	effective	100	effective	100
325	13:24:00	effective	100	effective	100	effective	100
326	13:25:00	effective	100	effective	100	effective	100
327	13:26:00	effective	100	effective	100	effective	100
328	13:27:00	effective	100	effective	100	effective	100
329	13:28:00	ineffective		ineffective		ineffective	
330	13:29:00	ineffective		ineffective		ineffective	
331	13:30:00	ineffective		ineffective		ineffective	
332	13:31:00	ineffective		ineffective		ineffective	
333	13:32:00	ineffective		effective	100	ineffective	
334	13:33:00	ineffective		effective	100	ineffective	
335	13:34:00	ineffective		effective	100	effective	100
336	13:35:00	effective	100	effective	100	effective	100
337	13:36:00	effective	100	effective	100	effective	100
338	13:37:00	effective	100	effective	100	effective	100
339	13:38:00	effective	100	effective	100	effective	100
340	13:39:00	effective	100	effective	100	effective	100
341	13:40:00	effective	100	effective	100	effective	100
342	13:41:00	effective	100	effective	100	effective	100
343	13:42:00	effective	100	effective	100	effective	100
344	13:43:00	effective	75	effective	100	effective	100
345	13:44:00	effective	75	effective	100	effective	100
346	13:45:00	ineffective		effective	100	ineffective	
347	13:46:00	ineffective		effective	100	ineffective	
348	13:47:00	effective	75	effective	100	effective	100
349	13:48:00	effective	75	effective	100	effective	100
350	13:49:00	effective	75	effective	100	effective	100
351	13:50:00	effective	75	effective	100	effective	100
352	13:51:00	ineffective		effective	100	ineffective	
353	13:52:00	ineffective		effective	100	ineffective	
354	13:53:00	ineffective		effective	100	ineffective	
355	13:54:00	ineffective		effective	100	effective	75
356	13:55:00	ineffective		ineffective		effective	75
357	13:56:00	ineffective		ineffective		ineffective	
358	13:57:00	ineffective		ineffective		ineffective	
359	13:58:00	ineffective		ineffective		ineffective	
360	13:59:00	ineffective		ineffective		ineffective	
361	14:00:00	ineffective		ineffective		ineffective	
362	14:01:00	ineffective		ineffective		ineffective	
363	14:02:00	ineffective		ineffective		ineffective	
364	14:03:00	ineffective		ineffective		ineffective	
365	14:04:00	ineffective		ineffective		ineffective	
366	14:05:00	ineffective		ineffective		effective	75
367	14:06:00	ineffective		ineffective		effective	75
368	14:07:00	ineffective		ineffective		ineffective	
369	14:08:00	ineffective		ineffective		ineffective	
370	14:09:00	ineffective		ineffective		ineffective	

371	14:10:00	ineffective		ineffective		ineffective	
372	14:11:00	ineffective		ineffective		ineffective	
373	14:12:00	effective	75	effective	75	effective	75
374	14:13:00	effective	75	effective	75	effective	75
375	14:14:00	effective	75	effective	75	effective	100
376	14:15:00	effective	75	effective	75	effective	100
377	14:16:00	effective	75	effective	75	effective	100
378	14:17:00	effective	75	effective	75	effective	100
379	14:18:00	effective	75	effective	75	effective	100
380	14:19:00	effective	75	effective	75	effective	100
381	14:20:00	effective	75	effective	75	effective	100
382	14:21:00	ineffective		ineffective		effective	100
383	14:22:00	ineffective		ineffective		effective	100
384	14:23:00	ineffective		ineffective		effective	100
385	14:24:00	ineffective		ineffective		effective	100
386	14:25:00	ineffective		ineffective		effective	100
387	14:26:00	effective	75	ineffective		effective	100
388	14:27:00	effective	100	ineffective		effective	100
389	14:28:00	effective	100	ineffective		effective	100
390	14:29:00	effective	100	ineffective		effective	100
391	14:30:00	effective	100	ineffective		effective	100
392	14:31:00	ineffective		ineffective		effective	100
393	14:32:00	ineffective		ineffective		effective	100
394	14:33:00	effective	100	ineffective		effective	100
395	14:34:00	effective	100	effective	75	effective	100
396	14:35:00	effective	100	effective	75	effective	100
397	14:36:00	effective	100	effective	100	effective	100
398	14:37:00	effective	100	effective	100	effective	100
399	14:38:00	effective	100	effective	100	effective	100
400	14:39:00	effective	100	effective	100	effective	100
401	14:40:00	effective	100	effective	100	effective	100
402	14:41:00	effective	100	effective	100	effective	100
403	14:42:00	effective	100	effective	100	effective	100
404	14:43:00	effective	100	effective	100	effective	100
405	14:44:00	effective	100	effective	100	effective	100
406	14:45:00	effective	100	effective	100	effective	100
407	14:46:00	effective	100	effective	100	effective	100
408	14:47:00	effective	100	effective	100	effective	100
409	14:48:00	effective	100	effective	100	effective	100
410	14:49:00	effective	100	effective	100	effective	100
411	14:50:00	effective	100	effective	100	effective	100
412	14:51:00	effective	100	effective	100	effective	100
413	14:52:00	effective	100	effective	100	effective	100
414	14:53:00	effective	100	effective	100	effective	100
415	14:54:00	ineffective		effective	100	ineffective	
416	14:55:00	ineffective		effective	100	ineffective	
417	14:56:00	effective	75	effective	75	effective	75

418	14:57:00	effective	75	ineffective		effective	75
419	14:58:00	effective	75	effective	75	effective	75
420	14:59:00	effective	75	effective	75	effective	75
421	15:00:00	ineffective		effective	75	effective	75
422	15:01:00	ineffective		ineffective		effective	75
423	15:02:00	ineffective		ineffective		effective	75
424	15:03:00	ineffective		ineffective		effective	75
425	15:04:00	ineffective		ineffective		ineffective	
426	15:05:00	ineffective		ineffective		ineffective	
427	15:06:00	ineffective		ineffective		ineffective	
428	15:07:00	ineffective		ineffective		ineffective	
429	15:08:00	ineffective		ineffective		ineffective	
430	15:09:00	effective	75	effective	75	effective	75
431	15:10:00	effective	75	effective	75	effective	75
432	15:11:00	effective	75	effective	75	effective	75
433	15:12:00	effective	75	effective	75	effective	75
434	15:13:00	effective	75	effective	75	effective	75
435	15:14:00	effective	75	effective	75	effective	75
436	15:15:00	effective	75	effective	75	effective	75
437	15:16:00	effective	75	effective	75	effective	75
438	15:17:00	ineffective		ineffective		ineffective	
439	15:18:00	ineffective		ineffective		ineffective	
440	15:19:00	ineffective		ineffective		ineffective	
441	15:20:00	ineffective		ineffective		ineffective	
442	15:21:00	ineffective		ineffective		ineffective	
443	15:22:00	ineffective		ineffective		ineffective	
444	15:23:00	ineffective		ineffective		ineffective	
445	15:24:00	ineffective		ineffective		ineffective	
446	15:25:00	ineffective		ineffective		ineffective	
447	15:26:00	ineffective		ineffective		ineffective	
448	15:27:00	ineffective		ineffective		ineffective	
449	15:28:00	ineffective		ineffective		ineffective	
450	15:29:00	ineffective		ineffective		ineffective	
451	15:30:00	ineffective		ineffective		ineffective	
452	15:31:00	ineffective		ineffective		ineffective	
453	15:32:00	ineffective		ineffective		ineffective	
454	15:33:00	ineffective		ineffective		ineffective	
455	15:34:00	ineffective		ineffective		ineffective	
456	15:35:00	ineffective		ineffective		ineffective	
457	15:36:00	ineffective		ineffective		ineffective	
458	15:37:00	ineffective		ineffective		ineffective	
459	15:38:00	ineffective		ineffective		ineffective	
460	15:39:00	ineffective		ineffective		ineffective	
461	15:40:00	ineffective		ineffective		ineffective	
462	15:41:00	ineffective		ineffective		ineffective	
463	15:42:00	ineffective		ineffective		ineffective	
464	15:43:00	ineffective		ineffective		ineffective	

465	15:44:00	ineffective	ineffective	ineffective
466	15:45:00	ineffective	ineffective	ineffective
467	15:46:00	ineffective	ineffective	ineffective
468	15:47:00	ineffective	ineffective	ineffective
469	15:48:00	ineffective	ineffective	ineffective
470	15:49:00	ineffective	ineffective	ineffective
471	15:50:00	ineffective	ineffective	ineffective
472	15:51:00	ineffective	ineffective	ineffective
473	15:52:00	ineffective	ineffective	ineffective
474	15:53:00	ineffective	ineffective	ineffective
475	15:54:00	ineffective	ineffective	ineffective
476	15:55:00	ineffective	ineffective	ineffective
477	15:56:00	ineffective	ineffective	ineffective
478	15:57:00	ineffective	ineffective	ineffective
479	15:58:00	ineffective	ineffective	ineffective
480	15:59:00	ineffective	ineffective	ineffective
481	16:00:00	ineffective	ineffective	ineffective

RELAXATION ALLOWANCE			
No : 1	Waktu Mulai : 08.00		
Tanggal : 13 April 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Suyanto	Walkidi	Ponidi
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	2	1	1
Contingency Allowance	5	5	5
TOTAL	29	28	28

SUMMARY SHEET							
Pekerjaan Perakitan Dak Keraton				Tanggal : 13 April 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Suyanto	effective	75	66	242.50	29	312.83	4.8
	effective	100	193				
Walkidi	effective	75	42	268.50	28	343.68	4.8
	effective	100	237				
Ponidi	effective	75	35	262.25	28	335.68	4.8
	effective	100	236				
Rata - Rata						330.73	4.8

PRODUCTIVITY SHEET					
Pekerjaan Perakitan Dak Keraton			Tanggal : 13 April 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Suyanto	4.8	65.1719	1.0862	6.4445	0.1552
Walkidi	4.8	71.6000	1.1933	5.8659	0.1705
Rata - Rata				6.1552	0.1628
Ponidi	4.8	69.9333	1.1656	6.0057	0.1665
Rata - Rata				6.0057	0.1665

RELAXATION ALLOWANCE			
No : 2	Waktu Mulai : 08.00		
Tanggal : 14 April 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Suyanto	Walkidi	Ponidi
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	2	1	1
Contingency Allowance	5	5	5
TOTAL	29	28	28

SUMMARY SHEET							
Pekerjaan Perakitan Dak Keraton				Tanggal : 14 April 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Suyanto	effective	75	96	317.00	29	408.93	6.0
	effective	100	245				
Walkidi	effective	75	67	335.25	28	429.12	6.0
	effective	100	285				
Ponidi	effective	75	78	334.50	28	428.16	6.0
	effective	100	276				
Rata - Rata						422.07	6.0

PRODUCTIVITY SHEET					
Pekerjaan Perakitan Dak Keraton			Tanggal : 14 April 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Suyanto	6.0	68.1550	1.1359	6.1624	0.1623
Walkidi	6.0	71.5200	1.1920	5.8725	0.1703
Rata - Rata				6.0175	0.1663
Ponidi	6.0	71.3600	1.1893	5.8857	0.1699
Rata - Rata				5.8857	0.1699

RELAXATION ALLOWANCE			
No : 3	Waktu Mulai : 08.00		
Tanggal : 16 April 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Suyanto	Walkidi	Ponidi
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	2	1	1
Contingency Allowance	5	5	5
TOTAL	29	28	28

SUMMARY SHEET							
Pekerjaan Perakitan Dak Keraton				Tanggal : 16 April 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Suyanto	effective	75	114	272.50	29	351.53	4.8
	effective	100	187				
Walkidi	effective	75	84	300.00	28	384.00	4.8
	effective	100	237				
Ponidi	effective	75	97	292.75	28	374.72	4.8
	effective	100	220				
Rata - Rata						370.08	4.8

PRODUCTIVITY SHEET					
Pekerjaan Perakitan Dak Keraton			Tanggal : 16 April 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Suyanto	4.8	73.2344	1.2206	5.7350	0.1744
Walkidi	4.8	80.0000	1.3333	5.2500	0.1905
Rata - Rata				5.4925	0.1824
Ponidi	4.8	78.0667	1.3011	5.3800	0.1859
Rata - Rata				5.3800	0.1859

RELAXATION ALLOWANCE			
No : 4	Waktu Mulai : 08.00		
Tanggal : 17 April 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Suyanto	Walkidi	Ponidi
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	2	1	1
Contingency Allowance	5	5	5
TOTAL	29	28	28

SUMMARY SHEET							
Pekerjaan Pengecoran Dak Keraton				Tanggal : 17 April 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Suyanto	effective	75	40	280.00	29	361.20	13.5
	effective	100	250				
Walkidi	effective	75	31	297.25	28	380.48	13.5
	effective	100	274				
Ponidi	effective	75	28	253.00	28	323.84	13.5
	effective	100	232				
Rata - Rata						355.17	13.5

PRODUCTIVITY SHEET					
Pekerjaan Pengecoran Dak Keraton			Tanggal : 17 April 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Suyanto	13.5	26.7556	0.4459	15.6977	0.0637
Walkidi	13.5	28.1837	0.4697	14.9022	0.0671
Rata - Rata				15.3000	0.0654
Ponidi	13.5	23.9881	0.3998	17.5086	0.0571
Rata - Rata				17.5086	0.0571

RELAXATION ALLOWANCE			
No : 5	Waktu Mulai : 08.00		
Tanggal : 18 April 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Suyanto	Walkidi	Ponidi
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	2	1	1
Contingency Allowance	5	5	5
TOTAL	29	28	28

SUMMARY SHEET							
Pekerjaan Perakitan Dak Keraton				Tanggal : 18 April 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Suyanto	effective	75	87	238.25	29	307.34	3.6
	effective	100	173				
Walkidi	effective	75	72	253.00	28	323.84	3.6
	effective	100	199				
Ponidi	effective	75	88	242.00	28	309.76	3.6
	effective	100	176				
Rata - Rata						313.65	3.6

PRODUCTIVITY SHEET					
Pekerjaan Perakitan Dak Keraton			Tanggal : 18 April 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Suyanto	3.6	85.3729	1.4229	4.9196	0.2033
Walkidi	3.6	89.9556	1.4993	4.6690	0.2142
Rata - Rata				4.7943	0.2087
Ponidi	3.6	86.0444	1.4341	4.8812	0.2049
Rata - Rata				4.8812	0.2049

RELAXATION ALLOWANCE			
No : 6	Waktu Mulai : 08.00		
Tanggal : 19 April 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Suyanto	Walkidi	Ponidi
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	2	1	1
Contingency Allowance	5	5	5
TOTAL	29	28	28

SUMMARY SHEET							
Pekerjaan Pengecoran Dak Keraton				Tanggal : 19 April 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Suyanto	effective	75	30	209.50	29	270.26	10.5
	effective	100	187				
Walkidi	effective	75	25	213.75	28	273.60	10.5
	effective	100	195				
Ponidi	effective	75	25	217.75	28	278.72	10.5
	effective	100	199				
Rata - Rata						274.19	10.5

PRODUCTIVITY SHEET					
Pekerjaan Pengecoran Dak Keraton			Tanggal : 19 April 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Suyanto	10.5	25.7386	0.4290	16.3179	0.0613
Walkidi	10.5	26.0571	0.4343	16.1184	0.0620
Rata - Rata				16.2182	0.0617
Ponidi	10.5	26.5448	0.4424	15.8223	0.0632
Rata - Rata				15.8223	0.0632

SUMMARY STANDART TIME Pekerjaan Perakitan Dak Keraton					
Waktu mulai: 08.00			Waktu selesai: 16.00		
Hari	1	2	3	4	Rata-rata
Suyanto	312.83	408.93	351.53	307.34	345.16
Walkidi	343.68	429.12	384.00	323.84	370.16
Rata - Rata					357.66
Ponidi	335.68	428.16	374.72	309.76	362.08
Rata - Rata					362.08

SUMMARY PRODUCTIVITY Pekerjaan Perakitan Dak Keraton					
Waktu mulai: 08.00			Waktu selesai: 16.00		
Hari	1	2	3	4	Rata-rata
Suyanto	6.4445	6.1624	5.7350	4.9196	5.8154
Walkidi	5.8659	5.8725	5.2500	4.6690	5.4144
Rata - Rata					5.6149
Ponidi	6.0057	5.8857	5.3800	4.8812	5.5382
Rata - Rata					5.5382

SUMMARY Koefisien Pekerjaan Perakitan Dak Keraton					
Waktu mulai: 08.00			Waktu selesai: 16.00		
Hari	1	2	3	4	Rata-rata
Suyanto	0.1552	0.1623	0.1744	0.2033	0.1738
Walkidi	0.1705	0.1703	0.1905	0.2142	0.1864
Rata - Rata					0.1801
Ponidi	0.1665	0.1699	0.1859	0.2049	0.1818
Rata - Rata					0.1818

SUMMARY STANDART TIME Pekerjaan Pengecoran Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
Hari	1	2	Rata-rata
Suyanto	361.20	270.26	315.73
Walkidi	380.48	273.60	327.04
Rata - Rata			321.39
Ponidi	323.84	278.72	301.28
Rata - Rata			301.28

SUMMARY PRODUCTIVITY Pekerjaan Pengecoran Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
Hari	1	2	Rata-rata
Suyanto	15.6977	16.3179	16.0078
Walkidi	14.9022	16.1184	15.5103
Rata - Rata			15.7591
Ponidi	17.5086	15.8223	16.6655
Rata - Rata			16.6655

SUMMARY Koefisien Pekerjaan Pengecoran Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
Hari	1	2	Rata-rata
Suyanto	0.0637	0.0613	0.0625
Walkidi	0.0671	0.0620	0.0646
Rata - Rata			0.0635
Ponidi	0.0571	0.0632	0.0602



PROYEK 2

OBSERVATION SHEET							
No : 1		Waktu mulai : 08.00		Jenis Pekerjaan : Perakitan Dak Keraton			
Tgl : 15/5/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 4.2 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Sri		Pak Jono		Pak Slamet	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		ineffective	
3	8:02:00	ineffective		ineffective		ineffective	
4	8:03:00	ineffective		ineffective		ineffective	
5	8:04:00	ineffective		effective	75	ineffective	
6	8:05:00	ineffective		effective	75	effective	75
7	8:06:00	ineffective		effective	75	effective	75
8	8:07:00	ineffective		effective	75	effective	75
9	8:08:00	ineffective		effective	75	effective	75
10	8:09:00	ineffective		effective	75	effective	75
11	8:10:00	ineffective		effective	75	effective	75
12	8:11:00	effective	75	effective	75	effective	75
13	8:12:00	effective	75	effective	75	ineffective	
14	8:13:00	effective	75	effective	75	ineffective	
15	8:14:00	effective	75	effective	75	effective	75
16	8:15:00	effective	75	effective	75	effective	75
17	8:16:00	effective	100	effective	75	effective	75
18	8:17:00	effective	100	effective	75	effective	100
19	8:18:00	effective	100	effective	75	effective	100
20	8:19:00	effective	100	effective	75	effective	100
21	8:20:00	effective	100	effective	75	effective	100
22	8:21:00	effective	100	effective	75	effective	100
23	8:22:00	effective	100	effective	75	effective	100
24	8:23:00	effective	100	ineffective		effective	100
25	8:24:00	effective	100	effective	75	effective	100
26	8:25:00	effective	100	effective	75	effective	100
27	8:26:00	effective	100	effective	75	effective	100
28	8:27:00	effective	100	effective	75	effective	100
29	8:28:00	effective	75	effective	75	effective	100
30	8:29:00	effective	75	effective	75	effective	100
31	8:30:00	ineffective		effective	75	effective	100
32	8:31:00	ineffective		effective	75	effective	100
33	8:32:00	ineffective		effective	75	effective	100
34	8:33:00	ineffective		effective	75	effective	100
35	8:34:00	effective	75	effective	75	effective	100
36	8:35:00	effective	75	effective	75	ineffective	
37	8:36:00	effective	100	effective	75	effective	100
38	8:37:00	effective	100	effective	75	effective	100
39	8:38:00	effective	100	effective	75	effective	100
40	8:39:00	effective	100	effective	75	ineffective	

41	8:40:00	effective	100	effective	75	ineffective	
42	8:41:00	effective	100	effective	75	effective	100
43	8:42:00	effective	100	effective	75	effective	100
44	8:43:00	ineffective		ineffective		effective	100
45	8:44:00	ineffective		ineffective		effective	100
46	8:45:00	effective	75	ineffective		effective	100
47	8:46:00	effective	75	effective	75	effective	100
48	8:47:00	effective	75	effective	75	effective	100
49	8:48:00	effective	75	effective	100	effective	100
50	8:49:00	effective	100	effective	100	effective	100
51	8:50:00	effective	100	effective	100	effective	100
52	8:51:00	effective	100	effective	100	effective	100
53	8:52:00	effective	100	effective	100	effective	100
54	8:53:00	effective	100	effective	100	effective	100
55	8:54:00	effective	100	effective	100	effective	100
56	8:55:00	effective	100	effective	100	effective	100
57	8:56:00	effective	100	effective	100	effective	100
58	8:57:00	effective	100	effective	100	effective	100
59	8:58:00	effective	100	effective	100	effective	100
60	8:59:00	effective	100	effective	100	effective	100
61	9:00:00	effective	100	effective	100	effective	100
62	9:01:00	effective	100	effective	75	effective	100
63	9:02:00	effective	100	effective	75	effective	100
64	9:03:00	effective	100	effective	75	effective	100
65	9:04:00	effective	100	effective	75	effective	100
66	9:05:00	effective	100	ineffective		effective	100
67	9:06:00	effective	100	ineffective		effective	100
68	9:07:00	effective	100	ineffective		effective	100
69	9:08:00	effective	100	ineffective		effective	100
70	9:09:00	effective	100	ineffective		effective	100
71	9:10:00	effective	100	ineffective		effective	100
72	9:11:00	effective	100	ineffective		effective	100
73	9:12:00	ineffective		effective	75	effective	100
74	9:13:00	ineffective		effective	75	ineffective	
75	9:14:00	ineffective		effective	75	effective	100
76	9:15:00	effective	75	effective	75	effective	100
77	9:16:00	effective	100	effective	100	effective	100
78	9:17:00	effective	100	effective	100	effective	100
79	9:18:00	effective	100	effective	100	effective	100
80	9:19:00	effective	100	effective	100	effective	100
81	9:20:00	effective	100	effective	100	effective	100
82	9:21:00	effective	100	effective	100	effective	100
83	9:22:00	effective	100	effective	100	effective	100
84	9:23:00	effective	75	effective	100	effective	75
85	9:24:00	ineffective		effective	100	effective	75
86	9:25:00	ineffective		effective	100	effective	75
87	9:26:00	ineffective		effective	100	ineffective	

88	9:27:00	ineffective		effective	100	effective	75
89	9:28:00	ineffective		effective	100	effective	75
90	9:29:00	effective	75	effective	100	effective	75
91	9:30:00	effective	75	effective	100	effective	75
92	9:31:00	effective	100	effective	100	effective	75
93	9:32:00	effective	100	effective	100	effective	100
94	9:33:00	effective	100	effective	100	effective	100
95	9:34:00	effective	100	effective	100	effective	100
96	9:35:00	effective	100	effective	100	effective	100
97	9:36:00	effective	100	effective	100	effective	100
98	9:37:00	effective	100	effective	100	effective	100
99	9:38:00	effective	100	effective	100	effective	100
100	9:39:00	effective	100	effective	100	effective	100
101	9:40:00	effective	100	effective	100	effective	100
102	9:41:00	effective	100	effective	100	effective	100
103	9:42:00	effective	100	effective	100	effective	100
104	9:43:00	effective	100	effective	100	effective	100
105	9:44:00	effective	100	effective	100	effective	100
106	9:45:00	effective	100	ineffective		effective	100
107	9:46:00	effective	100	effective	100	ineffective	
108	9:47:00	effective	100	effective	100	ineffective	
109	9:48:00	effective	100	effective	100	effective	100
110	9:49:00	effective	100	effective	100	effective	100
111	9:50:00	effective	100	ineffective		effective	100
112	9:51:00	effective	100	effective	100	effective	100
113	9:52:00	effective	100	effective	100	effective	100
114	9:53:00	effective	100	effective	100	effective	100
115	9:54:00	effective	100	effective	100	effective	100
116	9:55:00	effective	100	effective	100	effective	100
117	9:56:00	effective	100	effective	100	effective	100
118	9:57:00	effective	100	effective	100	effective	100
119	9:58:00	effective	100	effective	100	effective	100
120	9:59:00	effective	100	effective	100	effective	100
121	10:00:00	effective	100	effective	100	effective	100
122	10:01:00	effective	100	effective	100	effective	100
123	10:02:00	effective	100	effective	100	effective	100
124	10:03:00	ineffective		effective	100	effective	100
125	10:04:00	ineffective		effective	100	effective	100
126	10:05:00	effective	100	effective	100	ineffective	
127	10:06:00	effective	100	effective	100	ineffective	
128	10:07:00	effective	100	effective	100	effective	100
129	10:08:00	effective	100	effective	100	effective	100
130	10:09:00	effective	100	effective	100	effective	100
131	10:10:00	effective	100	effective	100	effective	100
132	10:11:00	effective	100	effective	100	effective	100
133	10:12:00	effective	100	effective	100	effective	100
134	10:13:00	effective	100	ineffective		effective	100

135	10:14:00	effective	100	effective	100	effective	100
136	10:15:00	effective	100	effective	100	effective	100
137	10:16:00	effective	100	effective	100	effective	100
138	10:17:00	effective	100	effective	100	effective	100
139	10:18:00	effective	100	effective	100	effective	75
140	10:19:00	effective	100	effective	100	effective	75
141	10:20:00	ineffective		effective	100	ineffective	
142	10:21:00	effective	100	effective	100	ineffective	
143	10:22:00	effective	100	effective	100	ineffective	
144	10:23:00	effective	100	effective	100	ineffective	
145	10:24:00	effective	100	effective	100	effective	75
146	10:25:00	effective	100	effective	100	effective	75
147	10:26:00	effective	100	effective	100	effective	75
148	10:27:00	effective	100	effective	100	effective	75
149	10:28:00	effective	100	effective	100	effective	75
150	10:29:00	effective	100	effective	100	effective	75
151	10:30:00	effective	100	effective	100	effective	100
152	10:31:00	ineffective		effective	100	effective	100
153	10:32:00	ineffective		effective	100	effective	100
154	10:33:00	effective	75	effective	100	effective	100
155	10:34:00	effective	75	effective	100	effective	100
156	10:35:00	effective	75	effective	100	effective	100
157	10:36:00	effective	100	effective	100	effective	100
158	10:37:00	effective	100	effective	100	effective	100
159	10:38:00	effective	100	effective	100	effective	100
160	10:39:00	effective	100	effective	100	effective	100
161	10:40:00	effective	100	effective	100	effective	100
162	10:41:00	effective	100	effective	100	effective	100
163	10:42:00	effective	100	effective	100	effective	100
164	10:43:00	effective	100	effective	100	effective	100
165	10:44:00	effective	100	effective	75	effective	100
166	10:45:00	effective	100	effective	75	effective	100
167	10:46:00	effective	100	effective	75	effective	100
168	10:47:00	effective	100	effective	75	effective	100
169	10:48:00	effective	100	ineffective		effective	100
170	10:49:00	effective	100	ineffective		effective	100
171	10:50:00	effective	100	ineffective		effective	100
172	10:51:00	effective	100	effective	75	effective	100
173	10:52:00	effective	100	effective	75	effective	100
174	10:53:00	effective	100	effective	75	effective	100
175	10:54:00	effective	75	effective	75	effective	100
176	10:55:00	effective	75	effective	75	effective	100
177	10:56:00	ineffective		ineffective		ineffective	
178	10:57:00	ineffective		effective	75	ineffective	
179	10:58:00	ineffective		effective	75	effective	100
180	10:59:00	effective	75	effective	75	effective	100
181	11:00:00	effective	75	effective	75	effective	100

182	11:01:00	effective	100	effective	75	effective	100
183	11:02:00	effective	100	effective	100	effective	100
184	11:03:00	effective	100	effective	100	effective	100
185	11:04:00	effective	100	effective	100	effective	100
186	11:05:00	effective	100	effective	100	effective	100
187	11:06:00	effective	100	effective	100	effective	100
188	11:07:00	effective	100	effective	100	effective	100
189	11:08:00	effective	100	effective	100	effective	100
190	11:09:00	effective	100	effective	100	effective	100
191	11:10:00	effective	100	effective	100	effective	100
192	11:11:00	effective	100	effective	100	effective	100
193	11:12:00	effective	100	effective	100	effective	100
194	11:13:00	effective	100	effective	100	effective	100
195	11:14:00	effective	100	effective	100	effective	100
196	11:15:00	effective	100	effective	100	effective	75
197	11:16:00	ineffective		effective	100	ineffective	
198	11:17:00	effective	100	effective	100	ineffective	
199	11:18:00	effective	100	effective	100	ineffective	
200	11:19:00	effective	100	effective	100	effective	75
201	11:20:00	effective	100	effective	100	effective	75
202	11:21:00	effective	100	effective	100	effective	75
203	11:22:00	effective	100	effective	100	effective	75
204	11:23:00	effective	100	effective	100	effective	75
205	11:24:00	effective	100	effective	100	effective	75
206	11:25:00	effective	100	effective	100	effective	75
207	11:26:00	effective	100	effective	100	effective	75
208	11:27:00	effective	100	effective	100	effective	75
209	11:28:00	effective	100	effective	100	effective	75
210	11:29:00	effective	100	effective	100	effective	75
211	11:30:00	effective	100	effective	100	effective	75
212	11:31:00	effective	100	effective	100	effective	75
213	11:32:00	ineffective		effective	100	ineffective	
214	11:33:00	effective	100	effective	100	effective	75
215	11:34:00	effective	100	effective	100	effective	75
216	11:35:00	effective	100	effective	100	effective	75
217	11:36:00	effective	75	effective	100	effective	75
218	11:37:00	effective	75	effective	100	effective	75
219	11:38:00	effective	75	effective	100	effective	75
220	11:39:00	effective	75	effective	75	ineffective	
221	11:40:00	effective	75	effective	75	ineffective	
222	11:41:00	effective	75	effective	75	ineffective	
223	11:42:00	effective	75	effective	75	ineffective	
224	11:43:00	ineffective		effective	75	ineffective	
225	11:44:00	ineffective		ineffective		ineffective	
226	11:45:00	ineffective		ineffective		ineffective	
227	11:46:00	ineffective		ineffective		ineffective	
228	11:47:00	ineffective		ineffective		ineffective	

229	11:48:00	ineffective	ineffective	ineffective
230	11:49:00	ineffective	ineffective	ineffective
231	11:50:00	ineffective	ineffective	ineffective
232	11:51:00	ineffective	ineffective	ineffective
233	11:52:00	ineffective	ineffective	ineffective
234	11:53:00	ineffective	ineffective	ineffective
235	11:54:00	ineffective	ineffective	ineffective
236	11:55:00	ineffective	ineffective	ineffective
237	11:56:00	ineffective	ineffective	ineffective
238	11:57:00	ineffective	ineffective	ineffective
239	11:58:00	ineffective	ineffective	ineffective
240	11:59:00	ineffective	ineffective	ineffective
241	12:00:00	ineffective	ineffective	ineffective
242	12:01:00	ineffective	ineffective	ineffective
243	12:02:00	ineffective	ineffective	ineffective
244	12:03:00	ineffective	ineffective	ineffective
245	12:04:00	ineffective	ineffective	ineffective
246	12:05:00	ineffective	ineffective	ineffective
247	12:06:00	ineffective	ineffective	ineffective
248	12:07:00	ineffective	ineffective	ineffective
249	12:08:00	ineffective	ineffective	ineffective
250	12:09:00	ineffective	ineffective	ineffective
251	12:10:00	ineffective	ineffective	ineffective
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253	12:12:00	ineffective	ineffective	ineffective
254	12:13:00	ineffective	ineffective	ineffective
255	12:14:00	ineffective	ineffective	ineffective
256	12:15:00	ineffective	ineffective	ineffective
257	12:16:00	ineffective	ineffective	ineffective
258	12:17:00	ineffective	ineffective	ineffective
259	12:18:00	ineffective	ineffective	ineffective
260	12:19:00	ineffective	ineffective	ineffective
261	12:20:00	ineffective	ineffective	ineffective
262	12:21:00	ineffective	ineffective	ineffective
263	12:22:00	ineffective	ineffective	ineffective
264	12:23:00	ineffective	ineffective	ineffective
265	12:24:00	ineffective	ineffective	ineffective
266	12:25:00	ineffective	ineffective	ineffective
267	12:26:00	ineffective	ineffective	ineffective
268	12:27:00	ineffective	ineffective	ineffective
269	12:28:00	ineffective	ineffective	ineffective
270	12:29:00	ineffective	ineffective	ineffective
271	12:30:00	ineffective	ineffective	ineffective
272	12:31:00	ineffective	ineffective	ineffective
273	12:32:00	ineffective	ineffective	ineffective
274	12:33:00	ineffective	ineffective	ineffective
275	12:34:00	ineffective	ineffective	ineffective

276	12:35:00	ineffective		ineffective		ineffective	
277	12:36:00	ineffective		ineffective		ineffective	
278	12:37:00	ineffective		ineffective		ineffective	
279	12:38:00	ineffective		ineffective		ineffective	
280	12:39:00	ineffective		ineffective		ineffective	
281	12:40:00	ineffective		ineffective		ineffective	
282	12:41:00	ineffective		ineffective		ineffective	
283	12:42:00	ineffective		ineffective		ineffective	
284	12:43:00	ineffective		ineffective		ineffective	
285	12:44:00	ineffective		ineffective		ineffective	
286	12:45:00	ineffective		ineffective		ineffective	
287	12:46:00	ineffective		ineffective		ineffective	
288	12:47:00	ineffective		ineffective		ineffective	
289	12:48:00	ineffective		ineffective		ineffective	
290	12:49:00	ineffective		ineffective		ineffective	
291	12:50:00	ineffective		ineffective		ineffective	
292	12:51:00	ineffective		ineffective		ineffective	
293	12:52:00	ineffective		ineffective		ineffective	
294	12:53:00	ineffective		ineffective		ineffective	
295	12:54:00	ineffective		ineffective		ineffective	
296	12:55:00	ineffective		ineffective		ineffective	
297	12:56:00	ineffective		ineffective		ineffective	
298	12:57:00	ineffective		ineffective		ineffective	
299	12:58:00	ineffective		ineffective		ineffective	
300	12:59:00	effective	75	ineffective		ineffective	
301	13:00:00	effective	75	ineffective		ineffective	
302	13:01:00	effective	75	ineffective		ineffective	
303	13:02:00	effective	75	ineffective		ineffective	
304	13:03:00	effective	75	ineffective		ineffective	
305	13:04:00	effective	100	effective	75	effective	75
306	13:05:00	effective	100	effective	75	effective	75
307	13:06:00	effective	100	effective	75	effective	75
308	13:07:00	effective	100	effective	75	effective	75
309	13:08:00	effective	100	effective	75	effective	75
310	13:09:00	effective	100	effective	75	effective	75
311	13:10:00	effective	100	effective	75	effective	75
312	13:11:00	effective	100	effective	75	effective	75
313	13:12:00	effective	100	effective	75	effective	75
314	13:13:00	effective	100	effective	75	effective	75
315	13:14:00	effective	100	effective	75	effective	100
316	13:15:00	effective	100	effective	75	effective	100
317	13:16:00	effective	100	effective	75	effective	100
318	13:17:00	effective	100	effective	75	effective	100
319	13:18:00	effective	100	effective	75	effective	100
320	13:19:00	effective	100	effective	75	effective	100
321	13:20:00	effective	100	effective	75	effective	100
322	13:21:00	effective	100	effective	75	ineffective	

323	13:22:00	effective	100	effective	75	ineffective	
324	13:23:00	effective	100	effective	75	effective	100
325	13:24:00	ineffective		effective	75	effective	100
326	13:25:00	ineffective		effective	75	effective	100
327	13:26:00	ineffective		effective	75	effective	100
328	13:27:00	effective	75	effective	75	effective	100
329	13:28:00	effective	100	effective	75	effective	100
330	13:29:00	effective	100	ineffective		effective	100
331	13:30:00	effective	100	ineffective		effective	100
332	13:31:00	effective	100	effective	75	effective	100
333	13:32:00	effective	100	effective	75	effective	100
334	13:33:00	effective	100	effective	75	effective	100
335	13:34:00	effective	100	effective	100	effective	100
336	13:35:00	effective	100	effective	100	effective	100
337	13:36:00	effective	100	effective	100	ineffective	
338	13:37:00	effective	100	effective	100	effective	100
339	13:38:00	effective	100	effective	100	effective	100
340	13:39:00	effective	100	effective	100	effective	100
341	13:40:00	effective	100	effective	100	effective	100
342	13:41:00	effective	100	effective	100	effective	100
343	13:42:00	effective	100	effective	100	effective	100
344	13:43:00	effective	100	effective	100	effective	100
345	13:44:00	effective	100	effective	100	effective	100
346	13:45:00	effective	100	effective	100	effective	100
347	13:46:00	effective	100	effective	100	effective	100
348	13:47:00	effective	100	effective	100	effective	100
349	13:48:00	effective	100	effective	100	effective	100
350	13:49:00	effective	100	effective	100	effective	100
351	13:50:00	effective	100	effective	100	effective	100
352	13:51:00	effective	100	effective	100	effective	100
353	13:52:00	effective	100	effective	100	effective	100
354	13:53:00	effective	100	effective	100	effective	100
355	13:54:00	ineffective		ineffective		effective	100
356	13:55:00	ineffective		ineffective		effective	100
357	13:56:00	effective	100	effective	100	effective	100
358	13:57:00	effective	100	effective	100	effective	100
359	13:58:00	effective	100	effective	100	effective	100
360	13:59:00	effective	100	effective	100	ineffective	
361	14:00:00	effective	100	effective	100	ineffective	
362	14:01:00	effective	100	effective	100	ineffective	
363	14:02:00	effective	100	effective	100	effective	75
364	14:03:00	effective	100	effective	100	effective	75
365	14:04:00	effective	100	effective	100	effective	100
366	14:05:00	effective	100	effective	100	effective	100
367	14:06:00	effective	100	effective	100	effective	100
368	14:07:00	effective	100	effective	100	effective	100
369	14:08:00	effective	100	effective	100	effective	100

370	14:09:00	effective	100	effective	100	effective	100
371	14:10:00	effective	100	effective	100	effective	100
372	14:11:00	effective	100	effective	100	effective	100
373	14:12:00	effective	100	effective	100	ineffective	
374	14:13:00	ineffective		ineffective		effective	100
375	14:14:00	ineffective		ineffective		effective	100
376	14:15:00	effective	75	effective	100	effective	100
377	14:16:00	effective	75	effective	100	effective	100
378	14:17:00	effective	75	effective	100	effective	100
379	14:18:00	effective	75	effective	100	effective	100
380	14:19:00	effective	75	effective	100	effective	100
381	14:20:00	effective	75	effective	100	effective	100
382	14:21:00	effective	75	effective	100	effective	100
383	14:22:00	effective	75	effective	100	effective	100
384	14:23:00	effective	75	effective	100	effective	100
385	14:24:00	effective	75	effective	100	effective	100
386	14:25:00	effective	75	effective	100	effective	100
387	14:26:00	ineffective		effective	100	effective	100
388	14:27:00	ineffective		effective	100	effective	100
389	14:28:00	ineffective		effective	100	effective	100
390	14:29:00	ineffective		effective	100	effective	100
391	14:30:00	ineffective		effective	100	ineffective	
392	14:31:00	effective	75	effective	100	ineffective	
393	14:32:00	effective	75	effective	75	effective	100
394	14:33:00	effective	75	effective	75	effective	100
395	14:34:00	effective	75	effective	75	effective	100
396	14:35:00	effective	75	effective	75	effective	100
397	14:36:00	effective	75	effective	75	effective	100
398	14:37:00	effective	75	effective	75	effective	100
399	14:38:00	effective	75	effective	75	effective	100
400	14:39:00	ineffective		effective	75	effective	100
401	14:40:00	effective	75	effective	75	effective	100
402	14:41:00	effective	100	effective	75	effective	100
403	14:42:00	effective	100	ineffective		effective	100
404	14:43:00	effective	100	ineffective		effective	100
405	14:44:00	effective	100	ineffective		effective	100
406	14:45:00	effective	100	ineffective		effective	75
407	14:46:00	effective	100	effective	75	effective	75
408	14:47:00	effective	100	effective	75	ineffective	
409	14:48:00	effective	100	effective	75	ineffective	
410	14:49:00	effective	100	effective	75	ineffective	
411	14:50:00	effective	100	effective	75	effective	75
412	14:51:00	effective	100	effective	100	effective	75
413	14:52:00	effective	100	effective	100	ineffective	
414	14:53:00	effective	100	effective	100	effective	100
415	14:54:00	effective	100	effective	100	effective	100
416	14:55:00	effective	100	effective	100	effective	100

417	14:56:00	effective	100	effective	100	effective	100
418	14:57:00	effective	100	effective	100	effective	100
419	14:58:00	effective	100	effective	100	effective	100
420	14:59:00	effective	100	effective	100	effective	100
421	15:00:00	effective	100	effective	100	effective	100
422	15:01:00	effective	100	effective	100	effective	100
423	15:02:00	effective	100	effective	100	effective	100
424	15:03:00	effective	100	effective	100	effective	100
425	15:04:00	effective	100	effective	100	effective	100
426	15:05:00	ineffective		effective	100	effective	100
427	15:06:00	ineffective		effective	100	effective	100
428	15:07:00	effective	100	effective	100	effective	100
429	15:08:00	effective	100	effective	100	effective	100
430	15:09:00	effective	100	effective	100	ineffective	
431	15:10:00	effective	100	effective	100	effective	100
432	15:11:00	effective	100	effective	100	effective	100
433	15:12:00	effective	100	effective	100	effective	100
434	15:13:00	effective	100	ineffective		effective	100
435	15:14:00	effective	100	effective	100	effective	100
436	15:15:00	effective	100	effective	100	effective	100
437	15:16:00	effective	100	effective	100	effective	100
438	15:17:00	effective	100	effective	100	effective	100
439	15:18:00	effective	100	effective	100	effective	100
440	15:19:00	effective	100	effective	100	effective	100
441	15:20:00	effective	100	effective	100	effective	100
442	15:21:00	effective	100	effective	100	effective	100
443	15:22:00	effective	100	effective	100	effective	100
444	15:23:00	effective	100	effective	100	effective	100
445	15:24:00	effective	100	effective	100	effective	100
446	15:25:00	effective	100	effective	100	effective	100
447	15:26:00	ineffective		effective	100	effective	75
448	15:27:00	ineffective		effective	100	effective	75
449	15:28:00	effective	100	ineffective		ineffective	
450	15:29:00	effective	100	ineffective		ineffective	
451	15:30:00	effective	100	ineffective		effective	75
452	15:31:00	effective	100	ineffective		effective	75
453	15:32:00	effective	100	ineffective		effective	75
454	15:33:00	effective	100	effective	75	effective	75
455	15:34:00	effective	100	effective	75	effective	75
456	15:35:00	effective	100	effective	75	effective	75
457	15:36:00	effective	100	effective	75	effective	75
458	15:37:00	effective	100	effective	75	effective	75
459	15:38:00	effective	100	effective	75	effective	75
460	15:39:00	effective	100	effective	75	effective	75
461	15:40:00	effective	100	effective	75	effective	75
462	15:41:00	effective	100	effective	75	effective	75
463	15:42:00	effective	100	effective	75	effective	75

464	15:43:00	effective	100	effective	75	effective	75
465	15:44:00	effective	100	effective	75	effective	75
466	15:45:00	effective	100	effective	75	effective	75
467	15:46:00	effective	100	effective	75	effective	75
468	15:47:00	effective	100	effective	75	effective	75
469	15:48:00	effective	75	effective	75	effective	75
470	15:49:00	effective	75	effective	75	effective	75
471	15:50:00	effective	75	ineffective		effective	75
472	15:51:00	effective	75	ineffective		effective	75
473	15:52:00	ineffective		ineffective		ineffective	
474	15:53:00	ineffective		ineffective		ineffective	
475	15:54:00	ineffective		ineffective		ineffective	
476	15:55:00	ineffective		ineffective		ineffective	
477	15:56:00	ineffective		ineffective		ineffective	
478	15:57:00	ineffective		ineffective		ineffective	
479	15:58:00	ineffective		ineffective		ineffective	
480	15:59:00	ineffective		ineffective		ineffective	
481	16:00:00	ineffective		ineffective		ineffective	

OBSERVATION SHEET							
No : 2		Waktu mulai : 08.00		Jenis Pekerjaan : Perakitan Dak Keraton			
Tgl : 16/5/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 5.4 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Sri		Pak Jono		Pak Slamet	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		ineffective	
3	8:02:00	effective	75	ineffective		effective	75
4	8:03:00	effective	75	ineffective		effective	75
5	8:04:00	effective	75	ineffective		effective	75
6	8:05:00	effective	75	ineffective		effective	75
7	8:06:00	effective	75	ineffective		effective	75
8	8:07:00	effective	75	ineffective		effective	75
9	8:08:00	effective	75	ineffective		effective	75
10	8:09:00	effective	75	ineffective		effective	75
11	8:10:00	effective	75	effective	75	effective	75
12	8:11:00	effective	100	effective	75	effective	75
13	8:12:00	effective	100	effective	75	effective	75
14	8:13:00	effective	100	effective	75	effective	75
15	8:14:00	effective	100	effective	75	effective	75
16	8:15:00	effective	100	effective	75	effective	75
17	8:16:00	effective	100	effective	75	ineffective	
18	8:17:00	effective	100	effective	75	ineffective	
19	8:18:00	effective	100	effective	75	effective	75
20	8:19:00	effective	100	effective	75	effective	75
21	8:20:00	effective	100	effective	75	effective	100
22	8:21:00	effective	100	effective	75	effective	100
23	8:22:00	effective	100	effective	75	effective	100
24	8:23:00	effective	100	effective	100	effective	100
25	8:24:00	effective	100	effective	100	effective	100
26	8:25:00	ineffective		effective	100	effective	100
27	8:26:00	effective	100	effective	100	ineffective	
28	8:27:00	effective	100	effective	100	effective	100
29	8:28:00	effective	100	effective	100	effective	100
30	8:29:00	effective	100	effective	100	effective	100
31	8:30:00	effective	100	effective	100	effective	100
32	8:31:00	effective	100	effective	100	effective	100
33	8:32:00	effective	100	effective	100	effective	100
34	8:33:00	effective	100	effective	100	effective	100
35	8:34:00	effective	100	effective	100	effective	100
36	8:35:00	ineffective		effective	100	ineffective	
37	8:36:00	effective	100	effective	100	effective	100
38	8:37:00	effective	100	effective	100	effective	100
39	8:38:00	effective	100	effective	100	effective	100
40	8:39:00	effective	100	effective	100	effective	100
41	8:40:00	effective	100	effective	100	effective	100

42	8:41:00	effective	100	effective	100	effective	100
43	8:42:00	effective	100	effective	100	effective	100
44	8:43:00	effective	100	effective	100	effective	100
45	8:44:00	effective	100	effective	100	effective	100
46	8:45:00	effective	100	effective	100	effective	100
47	8:46:00	effective	100	effective	100	effective	100
48	8:47:00	effective	100	effective	75	effective	100
49	8:48:00	effective	100	ineffective		effective	75
50	8:49:00	effective	100	ineffective		ineffective	
51	8:50:00	effective	100	effective	75	ineffective	
52	8:51:00	effective	100	effective	75	effective	75
53	8:52:00	effective	100	effective	100	effective	75
54	8:53:00	effective	100	effective	100	effective	100
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435	15:14:00	effective	100	effective	100	effective	100
436	15:15:00	effective	100	effective	100	effective	100
437	15:16:00	effective	100	effective	100	effective	100
438	15:17:00	effective	100	effective	100	effective	100
439	15:18:00	effective	100	effective	100	effective	100
440	15:19:00	ineffective		effective	100	effective	100
441	15:20:00	effective	75	effective	100	effective	100
442	15:21:00	effective	75	effective	100	effective	100
443	15:22:00	effective	75	effective	100	effective	100
444	15:23:00	effective	75	effective	100	effective	100
445	15:24:00	effective	75	effective	100	effective	75
446	15:25:00	effective	75	effective	100	effective	75
447	15:26:00	effective	75	effective	100	ineffective	
448	15:27:00	ineffective		ineffective		ineffective	
449	15:28:00	ineffective		ineffective		ineffective	
450	15:29:00	effective	75	effective	75	effective	75
451	15:30:00	effective	75	effective	75	effective	75
452	15:31:00	effective	100	effective	75	effective	75
453	15:32:00	effective	100	effective	75	effective	75
454	15:33:00	effective	100	effective	75	effective	75
455	15:34:00	effective	100	effective	75	effective	75
456	15:35:00	effective	100	effective	75	effective	75
457	15:36:00	effective	100	effective	75	effective	75
458	15:37:00	effective	100	effective	75	effective	75
459	15:38:00	effective	100	effective	75	effective	75
460	15:39:00	effective	100	effective	75	effective	75
461	15:40:00	effective	100	effective	75	effective	75
462	15:41:00	effective	100	effective	75	effective	75
463	15:42:00	effective	100	effective	75	effective	75
464	15:43:00	effective	100	effective	75	effective	75

465	15:44:00	effective	100	effective	75	effective	75
466	15:45:00	effective	100	effective	75	effective	75
467	15:46:00	effective	100	effective	75	effective	75
468	15:47:00	effective	100	effective	75	effective	75
469	15:48:00	effective	75	effective	75	effective	75
470	15:49:00	effective	75	effective	75	effective	75
471	15:50:00	effective	75	effective	75	effective	75
472	15:51:00	effective	75	effective	75	ineffective	
473	15:52:00	effective	75	effective	75	ineffective	
474	15:53:00	effective	75	effective	75	ineffective	
475	15:54:00	effective	75	ineffective		ineffective	
476	15:55:00	effective	75	ineffective		ineffective	
477	15:56:00	ineffective		ineffective		ineffective	
478	15:57:00	ineffective		ineffective		ineffective	
479	15:58:00	ineffective		ineffective		ineffective	
480	15:59:00	ineffective		ineffective		ineffective	
481	16:00:00	ineffective		ineffective		ineffective	

OBSERVATION SHEET							
No : 3		Waktu mulai : 08.00		Jenis Pekerjaan : Perakitan Dak Keraton			
Tgl : 17/5/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 4.8 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Sri		Pak Jono		Pak Slamet	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		ineffective	
3	8:02:00	ineffective		ineffective		effective	75
4	8:03:00	effective	75	ineffective		effective	75
5	8:04:00	effective	75	ineffective		effective	75
6	8:05:00	effective	75	effective	75	effective	75
7	8:06:00	effective	75	effective	75	effective	75
8	8:07:00	effective	75	effective	75	effective	75
9	8:08:00	effective	75	effective	75	effective	75
10	8:09:00	effective	100	effective	75	effective	75
11	8:10:00	effective	100	effective	75	effective	75
12	8:11:00	effective	100	effective	75	effective	75
13	8:12:00	effective	100	effective	75	effective	75
14	8:13:00	effective	100	effective	75	effective	75
15	8:14:00	effective	100	effective	75	effective	75
16	8:15:00	effective	100	effective	75	effective	75
17	8:16:00	effective	100	effective	75	ineffective	
18	8:17:00	effective	100	effective	75	ineffective	
19	8:18:00	effective	100	effective	75	effective	75
20	8:19:00	effective	100	effective	75	effective	75
21	8:20:00	effective	100	effective	75	effective	75
22	8:21:00	effective	100	effective	75	effective	100
23	8:22:00	effective	100	effective	75	effective	100
24	8:23:00	ineffective		ineffective		effective	100
25	8:24:00	effective	100	effective	75	effective	100
26	8:25:00	effective	100	effective	75	effective	100
27	8:26:00	effective	100	effective	75	effective	100
28	8:27:00	effective	100	effective	75	effective	100
29	8:28:00	effective	100	effective	100	effective	100
30	8:29:00	effective	100	effective	100	effective	100
31	8:30:00	effective	100	effective	100	effective	100
32	8:31:00	effective	100	effective	100	effective	100
33	8:32:00	effective	100	effective	100	effective	100
34	8:33:00	effective	100	effective	100	effective	100
35	8:34:00	effective	100	effective	100	effective	100
36	8:35:00	effective	100	effective	100	ineffective	
37	8:36:00	effective	100	effective	100	effective	100
38	8:37:00	effective	100	effective	100	effective	100
39	8:38:00	effective	100	effective	100	effective	100
40	8:39:00	effective	75	effective	100	effective	100

41	8:40:00	effective	75	effective	100	effective	100
42	8:41:00	ineffective		ineffective		ineffective	
43	8:42:00	ineffective		ineffective		ineffective	
44	8:43:00	effective	75	effective	75	effective	100
45	8:44:00	effective	75	effective	100	effective	100
46	8:45:00	effective	75	effective	100	effective	100
47	8:46:00	effective	75	effective	100	effective	100
48	8:47:00	effective	75	effective	100	effective	100
49	8:48:00	effective	75	effective	100	effective	100
50	8:49:00	effective	75	effective	100	effective	100
51	8:50:00	ineffective		effective	100	effective	100
52	8:51:00	ineffective		effective	100	effective	100
53	8:52:00	ineffective		effective	100	effective	100
54	8:53:00	effective	75	effective	100	effective	100
55	8:54:00	effective	75	ineffective		effective	100
56	8:55:00	effective	75	effective	75	effective	100
57	8:56:00	effective	75	effective	75	effective	100
58	8:57:00	effective	75	effective	75	effective	100
59	8:58:00	ineffective		ineffective		effective	100
60	8:59:00	effective	75	effective	100	effective	100
61	9:00:00	effective	75	effective	100	effective	100
62	9:01:00	effective	100	effective	100	effective	100
63	9:02:00	effective	100	effective	100	effective	100
64	9:03:00	effective	100	effective	100	effective	100
65	9:04:00	effective	100	effective	100	effective	100
66	9:05:00	effective	100	effective	100	effective	100
67	9:06:00	effective	100	effective	100	effective	100
68	9:07:00	effective	100	effective	100	effective	100
69	9:08:00	effective	100	effective	100	effective	100
70	9:09:00	effective	100	effective	100	effective	100
71	9:10:00	effective	100	effective	100	effective	100
72	9:11:00	effective	100	effective	100	effective	100
73	9:12:00	effective	100	effective	100	effective	100
74	9:13:00	effective	100	effective	100	ineffective	
75	9:14:00	effective	100	effective	100	effective	100
76	9:15:00	ineffective		effective	100	effective	100
77	9:16:00	ineffective		effective	100	effective	100
78	9:17:00	effective	100	effective	100	effective	100
79	9:18:00	effective	100	effective	100	effective	100
80	9:19:00	effective	100	effective	100	effective	100
81	9:20:00	effective	100	effective	100	effective	100
82	9:21:00	effective	100	effective	100	effective	100
83	9:22:00	effective	100	effective	100	effective	100
84	9:23:00	effective	100	effective	100	effective	100
85	9:24:00	effective	100	effective	100	effective	100
86	9:25:00	effective	100	effective	100	effective	100
87	9:26:00	effective	100	effective	100	ineffective	

88	9:27:00	effective	100	effective	100	ineffective	
89	9:28:00	effective	100	effective	75	effective	100
90	9:29:00	effective	100	effective	75	effective	100
91	9:30:00	effective	100	ineffective		effective	100
92	9:31:00	effective	100	ineffective		effective	100
93	9:32:00	ineffective		ineffective		effective	100
94	9:33:00	ineffective		effective	75	effective	100
95	9:34:00	effective	100	effective	75	effective	100
96	9:35:00	effective	100	effective	100	effective	100
97	9:36:00	effective	100	effective	100	effective	100
98	9:37:00	effective	100	effective	100	effective	100
99	9:38:00	effective	100	effective	100	effective	100
100	9:39:00	effective	100	effective	100	effective	100
101	9:40:00	effective	100	effective	100	effective	100
102	9:41:00	effective	100	effective	100	effective	100
103	9:42:00	effective	100	effective	100	effective	100
104	9:43:00	effective	100	effective	100	effective	100
105	9:44:00	effective	100	effective	100	effective	100
106	9:45:00	effective	100	effective	100	effective	100
107	9:46:00	effective	100	effective	100	effective	100
108	9:47:00	effective	100	effective	100	effective	100
109	9:48:00	ineffective		effective	100	effective	75
110	9:49:00	ineffective		ineffective		ineffective	
111	9:50:00	effective	100	effective	100	ineffective	
112	9:51:00	effective	100	effective	100	effective	75
113	9:52:00	effective	100	effective	100	effective	100
114	9:53:00	effective	100	effective	100	effective	100
115	9:54:00	effective	100	effective	100	effective	100
116	9:55:00	effective	100	effective	100	effective	100
117	9:56:00	effective	100	effective	100	effective	100
118	9:57:00	effective	100	effective	100	effective	100
119	9:58:00	effective	100	effective	100	effective	100
120	9:59:00	effective	100	effective	100	effective	100
121	10:00:00	effective	100	effective	100	effective	100
122	10:01:00	effective	100	effective	100	effective	100
123	10:02:00	effective	100	effective	100	effective	100
124	10:03:00	effective	100	effective	100	effective	100
125	10:04:00	effective	100	effective	100	effective	100
126	10:05:00	ineffective		ineffective		ineffective	
127	10:06:00	effective	100	ineffective		ineffective	
128	10:07:00	effective	100	effective	100	effective	75
129	10:08:00	effective	100	effective	100	effective	75
130	10:09:00	effective	100	effective	100	effective	100
131	10:10:00	effective	100	effective	100	effective	100
132	10:11:00	effective	100	effective	100	effective	100
133	10:12:00	effective	100	effective	100	effective	100
134	10:13:00	effective	100	effective	100	effective	100

135	10:14:00	effective	100	effective	100	effective	100
136	10:15:00	effective	100	effective	100	effective	100
137	10:16:00	effective	100	effective	100	effective	100
138	10:17:00	effective	100	effective	100	effective	100
139	10:18:00	effective	100	effective	100	effective	100
140	10:19:00	effective	100	effective	100	effective	100
141	10:20:00	effective	100	effective	100	effective	100
142	10:21:00	effective	100	effective	75	effective	100
143	10:22:00	effective	100	effective	75	effective	100
144	10:23:00	ineffective		ineffective		ineffective	
145	10:24:00	ineffective		ineffective		effective	75
146	10:25:00	effective	75	ineffective		effective	75
147	10:26:00	effective	75	effective	75	effective	75
148	10:27:00	effective	75	effective	75	ineffective	
149	10:28:00	effective	75	effective	75	ineffective	
150	10:29:00	effective	75	effective	75	effective	75
151	10:30:00	ineffective		effective	100	effective	75
152	10:31:00	ineffective		effective	100	effective	100
153	10:32:00	ineffective		effective	100	effective	100
154	10:33:00	effective	75	effective	100	effective	100
155	10:34:00	effective	75	effective	100	effective	100
156	10:35:00	effective	100	effective	100	effective	100
157	10:36:00	effective	100	effective	100	effective	100
158	10:37:00	effective	100	effective	100	effective	100
159	10:38:00	effective	100	effective	100	effective	100
160	10:39:00	effective	100	effective	100	effective	100
161	10:40:00	effective	100	effective	100	effective	100
162	10:41:00	ineffective		ineffective		effective	100
163	10:42:00	effective	100	effective	100	effective	100
164	10:43:00	effective	100	effective	100	effective	100
165	10:44:00	effective	100	effective	100	effective	100
166	10:45:00	effective	100	effective	100	effective	100
167	10:46:00	effective	100	effective	100	effective	100
168	10:47:00	effective	100	effective	100	effective	100
169	10:48:00	effective	100	effective	100	effective	100
170	10:49:00	effective	100	effective	100	effective	100
171	10:50:00	effective	100	effective	100	effective	100
172	10:51:00	effective	100	effective	100	effective	100
173	10:52:00	effective	100	effective	100	effective	100
174	10:53:00	effective	100	effective	100	effective	100
175	10:54:00	effective	100	effective	100	effective	100
176	10:55:00	effective	100	effective	75	effective	100
177	10:56:00	effective	100	ineffective		effective	100
178	10:57:00	effective	100	ineffective		effective	100
179	10:58:00	effective	100	effective	75	effective	100
180	10:59:00	effective	100	effective	100	effective	100
181	11:00:00	effective	100	effective	100	effective	100

182	11:01:00	effective	100	effective	100	effective	100
183	11:02:00	effective	100	effective	100	effective	100
184	11:03:00	effective	100	effective	100	effective	100
185	11:04:00	effective	100	effective	100	effective	100
186	11:05:00	effective	100	effective	100	effective	100
187	11:06:00	effective	100	effective	100	effective	100
188	11:07:00	effective	100	effective	100	effective	100
189	11:08:00	effective	100	effective	100	effective	100
190	11:09:00	effective	100	effective	100	effective	100
191	11:10:00	effective	100	effective	100	effective	100
192	11:11:00	effective	100	effective	100	effective	100
193	11:12:00	effective	100	effective	100	effective	100
194	11:13:00	effective	100	effective	100	effective	100
195	11:14:00	effective	100	effective	100	effective	100
196	11:15:00	effective	100	effective	100	effective	100
197	11:16:00	effective	100	effective	100	ineffective	
198	11:17:00	ineffective		ineffective		ineffective	
199	11:18:00	effective	100	effective	100	ineffective	
200	11:19:00	effective	100	effective	100	effective	100
201	11:20:00	effective	100	effective	100	effective	100
202	11:21:00	effective	100	effective	100	effective	100
203	11:22:00	effective	100	effective	100	effective	100
204	11:23:00	effective	100	effective	100	effective	100
205	11:24:00	effective	100	effective	100	effective	100
206	11:25:00	effective	100	effective	100	effective	100
207	11:26:00	effective	100	effective	100	effective	100
208	11:27:00	effective	100	effective	100	effective	100
209	11:28:00	effective	100	effective	100	effective	100
210	11:29:00	effective	100	effective	75	effective	100
211	11:30:00	effective	100	effective	75	effective	100
212	11:31:00	effective	100	effective	75	effective	100
213	11:32:00	effective	100	effective	75	ineffective	
214	11:33:00	effective	100	effective	75	effective	75
215	11:34:00	effective	100	effective	75	effective	75
216	11:35:00	effective	100	effective	75	effective	75
217	11:36:00	effective	75	effective	75	effective	75
218	11:37:00	effective	75	effective	75	effective	75
219	11:38:00	effective	75	effective	75	effective	75
220	11:39:00	effective	75	effective	75	effective	75
221	11:40:00	effective	75	effective	75	effective	75
222	11:41:00	effective	75	effective	75	effective	75
223	11:42:00	effective	75	ineffective		effective	75
224	11:43:00	ineffective		ineffective		ineffective	
225	11:44:00	ineffective		ineffective		ineffective	
226	11:45:00	ineffective		ineffective		ineffective	
227	11:46:00	ineffective		ineffective		ineffective	
228	11:47:00	ineffective		ineffective		ineffective	

229	11:48:00	ineffective	ineffective	ineffective
230	11:49:00	ineffective	ineffective	ineffective
231	11:50:00	ineffective	ineffective	ineffective
232	11:51:00	ineffective	ineffective	ineffective
233	11:52:00	ineffective	ineffective	ineffective
234	11:53:00	ineffective	ineffective	ineffective
235	11:54:00	ineffective	ineffective	ineffective
236	11:55:00	ineffective	ineffective	ineffective
237	11:56:00	ineffective	ineffective	ineffective
238	11:57:00	ineffective	ineffective	ineffective
239	11:58:00	ineffective	ineffective	ineffective
240	11:59:00	ineffective	ineffective	ineffective
241	12:00:00	ineffective	ineffective	ineffective
242	12:01:00	ineffective	ineffective	ineffective
243	12:02:00	ineffective	ineffective	ineffective
244	12:03:00	ineffective	ineffective	ineffective
245	12:04:00	ineffective	ineffective	ineffective
246	12:05:00	ineffective	ineffective	ineffective
247	12:06:00	ineffective	ineffective	ineffective
248	12:07:00	ineffective	ineffective	ineffective
249	12:08:00	ineffective	ineffective	ineffective
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251	12:10:00	ineffective	ineffective	ineffective
252	12:11:00	ineffective	ineffective	ineffective
253	12:12:00	ineffective	ineffective	ineffective
254	12:13:00	ineffective	ineffective	ineffective
255	12:14:00	ineffective	ineffective	ineffective
256	12:15:00	ineffective	ineffective	ineffective
257	12:16:00	ineffective	ineffective	ineffective
258	12:17:00	ineffective	ineffective	ineffective
259	12:18:00	ineffective	ineffective	ineffective
260	12:19:00	ineffective	ineffective	ineffective
261	12:20:00	ineffective	ineffective	ineffective
262	12:21:00	ineffective	ineffective	ineffective
263	12:22:00	ineffective	ineffective	ineffective
264	12:23:00	ineffective	ineffective	ineffective
265	12:24:00	ineffective	ineffective	ineffective
266	12:25:00	ineffective	ineffective	ineffective
267	12:26:00	ineffective	ineffective	ineffective
268	12:27:00	ineffective	ineffective	ineffective
269	12:28:00	ineffective	ineffective	ineffective
270	12:29:00	ineffective	ineffective	ineffective
271	12:30:00	ineffective	ineffective	ineffective
272	12:31:00	ineffective	ineffective	ineffective
273	12:32:00	ineffective	ineffective	ineffective
274	12:33:00	ineffective	ineffective	ineffective
275	12:34:00	ineffective	ineffective	ineffective

276	12:35:00	ineffective		ineffective		ineffective	
277	12:36:00	ineffective		ineffective		ineffective	
278	12:37:00	ineffective		ineffective		ineffective	
279	12:38:00	ineffective		ineffective		ineffective	
280	12:39:00	ineffective		ineffective		ineffective	
281	12:40:00	ineffective		ineffective		ineffective	
282	12:41:00	ineffective		ineffective		ineffective	
283	12:42:00	ineffective		ineffective		ineffective	
284	12:43:00	ineffective		ineffective		ineffective	
285	12:44:00	ineffective		ineffective		ineffective	
286	12:45:00	ineffective		ineffective		ineffective	
287	12:46:00	ineffective		ineffective		ineffective	
288	12:47:00	ineffective		ineffective		ineffective	
289	12:48:00	ineffective		ineffective		ineffective	
290	12:49:00	ineffective		ineffective		ineffective	
291	12:50:00	ineffective		ineffective		ineffective	
292	12:51:00	ineffective		ineffective		ineffective	
293	12:52:00	ineffective		ineffective		ineffective	
294	12:53:00	ineffective		ineffective		ineffective	
295	12:54:00	ineffective		ineffective		ineffective	
296	12:55:00	ineffective		ineffective		ineffective	
297	12:56:00	ineffective		ineffective		ineffective	
298	12:57:00	ineffective		ineffective		ineffective	
299	12:58:00	ineffective		ineffective		ineffective	
300	12:59:00	ineffective		ineffective		ineffective	
301	13:00:00	ineffective		ineffective		ineffective	
302	13:01:00	ineffective		ineffective		ineffective	
303	13:02:00	effective	75	effective	75	effective	75
304	13:03:00	effective	75	effective	75	effective	75
305	13:04:00	effective	75	effective	75	effective	75
306	13:05:00	effective	75	effective	75	effective	75
307	13:06:00	effective	75	effective	75	effective	75
308	13:07:00	effective	75	effective	75	effective	75
309	13:08:00	effective	75	effective	75	effective	75
310	13:09:00	effective	75	effective	75	effective	75
311	13:10:00	effective	75	effective	75	effective	75
312	13:11:00	effective	75	effective	75	effective	75
313	13:12:00	effective	75	effective	75	effective	75
314	13:13:00	effective	75	effective	75	effective	75
315	13:14:00	effective	75	effective	75	effective	75
316	13:15:00	effective	75	effective	75	effective	75
317	13:16:00	effective	75	effective	75	effective	75
318	13:17:00	effective	75	effective	75	effective	75
319	13:18:00	effective	75	effective	75	effective	75
320	13:19:00	effective	75	effective	75	effective	75
321	13:20:00	effective	75	effective	75	effective	75
322	13:21:00	effective	75	ineffective		ineffective	

323	13:22:00	ineffective		effective	75	ineffective	
324	13:23:00	effective	75	effective	75	effective	75
325	13:24:00	effective	75	effective	100	effective	75
326	13:25:00	ineffective		effective	100	effective	75
327	13:26:00	effective	75	effective	100	effective	100
328	13:27:00	effective	75	effective	100	effective	100
329	13:28:00	effective	100	effective	100	effective	100
330	13:29:00	effective	100	effective	100	effective	100
331	13:30:00	effective	100	effective	100	effective	100
332	13:31:00	effective	100	effective	100	effective	100
333	13:32:00	effective	100	effective	100	effective	100
334	13:33:00	effective	100	effective	100	effective	100
335	13:34:00	effective	100	effective	100	effective	100
336	13:35:00	effective	100	effective	100	effective	100
337	13:36:00	effective	100	effective	100	ineffective	
338	13:37:00	effective	100	effective	100	effective	100
339	13:38:00	effective	100	effective	100	effective	100
340	13:39:00	effective	100	effective	100	effective	100
341	13:40:00	effective	100	effective	100	effective	100
342	13:41:00	effective	100	effective	100	effective	100
343	13:42:00	effective	100	effective	100	effective	100
344	13:43:00	effective	100	effective	100	effective	100
345	13:44:00	effective	100	effective	100	effective	100
346	13:45:00	effective	100	effective	100	effective	100
347	13:46:00	effective	100	effective	100	effective	100
348	13:47:00	effective	100	effective	100	effective	100
349	13:48:00	effective	100	effective	100	effective	100
350	13:49:00	effective	100	effective	100	effective	100
351	13:50:00	effective	100	effective	100	effective	100
352	13:51:00	effective	100	effective	100	effective	100
353	13:52:00	effective	100	effective	100	effective	100
354	13:53:00	effective	100	effective	100	effective	100
355	13:54:00	effective	100	effective	100	effective	100
356	13:55:00	effective	100	effective	100	effective	100
357	13:56:00	effective	100	effective	100	effective	100
358	13:57:00	effective	100	effective	75	effective	75
359	13:58:00	effective	100	effective	75	effective	75
360	13:59:00	effective	100	ineffective		effective	75
361	14:00:00	effective	100	ineffective		ineffective	
362	14:01:00	ineffective		ineffective		ineffective	
363	14:02:00	effective	100	effective	75	effective	75
364	14:03:00	effective	100	effective	75	effective	75
365	14:04:00	effective	100	effective	75	effective	75
366	14:05:00	effective	100	effective	75	effective	75
367	14:06:00	effective	100	effective	100	effective	100
368	14:07:00	effective	100	effective	100	effective	100
369	14:08:00	effective	100	effective	100	effective	100

370	14:09:00	effective	100	effective	100	effective	100
371	14:10:00	effective	100	effective	100	effective	100
372	14:11:00	effective	100	effective	100	effective	100
373	14:12:00	effective	100	effective	100	ineffective	
374	14:13:00	effective	100	effective	100	effective	100
375	14:14:00	effective	100	effective	100	effective	100
376	14:15:00	effective	100	effective	100	effective	100
377	14:16:00	effective	100	effective	100	effective	100
378	14:17:00	effective	100	effective	100	effective	100
379	14:18:00	effective	100	effective	100	effective	100
380	14:19:00	effective	100	effective	100	effective	100
381	14:20:00	effective	100	effective	100	effective	100
382	14:21:00	effective	100	effective	100	effective	100
383	14:22:00	effective	100	effective	100	effective	100
384	14:23:00	effective	100	effective	100	effective	100
385	14:24:00	effective	100	effective	100	effective	100
386	14:25:00	effective	100	effective	100	effective	100
387	14:26:00	effective	100	effective	100	effective	100
388	14:27:00	effective	100	effective	100	effective	100
389	14:28:00	effective	100	effective	100	effective	100
390	14:29:00	effective	100	ineffective		effective	100
391	14:30:00	effective	100	ineffective		ineffective	
392	14:31:00	ineffective		ineffective		ineffective	
393	14:32:00	effective	100	effective	75	effective	75
394	14:33:00	effective	100	effective	75	effective	75
395	14:34:00	effective	100	effective	75	effective	100
396	14:35:00	effective	100	effective	75	effective	100
397	14:36:00	effective	100	effective	75	effective	100
398	14:37:00	effective	100	effective	75	effective	100
399	14:38:00	effective	100	effective	75	effective	100
400	14:39:00	effective	100	effective	75	effective	100
401	14:40:00	effective	100	effective	75	effective	100
402	14:41:00	effective	100	effective	75	effective	100
403	14:42:00	effective	100	effective	75	effective	100
404	14:43:00	effective	100	effective	75	effective	100
405	14:44:00	effective	100	effective	75	effective	100
406	14:45:00	effective	100	effective	75	effective	100
407	14:46:00	effective	100	effective	75	effective	100
408	14:47:00	effective	100	ineffective		effective	100
409	14:48:00	effective	100	ineffective		effective	100
410	14:49:00	effective	100	ineffective		effective	100
411	14:50:00	effective	100	effective	75	effective	100
412	14:51:00	effective	100	effective	75	effective	75
413	14:52:00	ineffective		ineffective		ineffective	
414	14:53:00	effective	100	effective	75	effective	75
415	14:54:00	effective	100	effective	75	effective	75
416	14:55:00	effective	100	effective	75	effective	75

417	14:56:00	effective	100	effective	75	ineffective	
418	14:57:00	effective	100	effective	75	ineffective	
419	14:58:00	effective	100	effective	75	ineffective	
420	14:59:00	effective	100	effective	75	ineffective	
421	15:00:00	effective	100	effective	75	effective	75
422	15:01:00	effective	100	effective	75	effective	75
423	15:02:00	effective	100	effective	75	effective	75
424	15:03:00	effective	100	effective	75	effective	100
425	15:04:00	effective	100	effective	75	effective	100
426	15:05:00	effective	100	effective	75	effective	100
427	15:06:00	effective	100	effective	75	effective	100
428	15:07:00	effective	100	ineffective		effective	100
429	15:08:00	effective	100	ineffective		effective	100
430	15:09:00	effective	100	ineffective		effective	100
431	15:10:00	effective	100	effective	75	effective	100
432	15:11:00	effective	100	effective	75	effective	100
433	15:12:00	effective	100	effective	75	effective	100
434	15:13:00	effective	100	effective	75	effective	100
435	15:14:00	effective	100	effective	75	effective	100
436	15:15:00	ineffective		effective	75	effective	100
437	15:16:00	effective	100	effective	75	effective	100
438	15:17:00	effective	100	effective	75	effective	100
439	15:18:00	effective	100	effective	75	effective	100
440	15:19:00	effective	100	effective	75	effective	100
441	15:20:00	effective	100	effective	75	effective	100
442	15:21:00	effective	100	effective	75	effective	100
443	15:22:00	effective	100	effective	75	effective	100
444	15:23:00	effective	100	effective	75	effective	100
445	15:24:00	effective	100	effective	75	effective	100
446	15:25:00	effective	100	effective	75	effective	75
447	15:26:00	effective	100	effective	75	effective	75
448	15:27:00	effective	75	effective	75	effective	75
449	15:28:00	effective	75	effective	75	ineffective	
450	15:29:00	effective	75	effective	75	ineffective	
451	15:30:00	effective	75	effective	75	effective	75
452	15:31:00	effective	75	effective	75	effective	75
453	15:32:00	effective	75	effective	75	effective	75
454	15:33:00	effective	75	effective	75	effective	75
455	15:34:00	effective	75	effective	75	effective	75
456	15:35:00	effective	75	effective	75	effective	75
457	15:36:00	effective	75	effective	75	effective	75
458	15:37:00	effective	75	effective	75	effective	75
459	15:38:00	effective	75	effective	75	effective	75
460	15:39:00	effective	75	effective	75	effective	75
461	15:40:00	effective	75	effective	75	effective	75
462	15:41:00	effective	75	effective	75	effective	75
463	15:42:00	effective	75	effective	75	effective	75

464	15:43:00	effective	75	effective	75	effective	75
465	15:44:00	effective	75	effective	75	effective	75
466	15:45:00	effective	75	effective	75	effective	75
467	15:46:00	effective	75	effective	75	effective	75
468	15:47:00	effective	75	ineffective		effective	75
469	15:48:00	effective	75	ineffective		effective	75
470	15:49:00	ineffective		ineffective		ineffective	
471	15:50:00	ineffective		ineffective		ineffective	
472	15:51:00	ineffective		ineffective		ineffective	
473	15:52:00	ineffective		ineffective		ineffective	
474	15:53:00	ineffective		ineffective		ineffective	
475	15:54:00	ineffective		ineffective		ineffective	
476	15:55:00	ineffective		ineffective		ineffective	
477	15:56:00	ineffective		ineffective		ineffective	
478	15:57:00	ineffective		ineffective		ineffective	
479	15:58:00	ineffective		ineffective		ineffective	
480	15:59:00	ineffective		ineffective		ineffective	
481	16:00:00	ineffective		ineffective		ineffective	

OBSERVATION SHEET							
No : 4		Waktu mulai : 08.00		Jenis Pekerjaan : Perakitan Dak Keraton			
Tgl : 18/5/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 4.2 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Sri		Pak Jono		Pak Slamet	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		ineffective	
3	8:02:00	ineffective		effective	75	effective	75
4	8:03:00	ineffective		effective	75	effective	75
5	8:04:00	ineffective		effective	75	effective	75
6	8:05:00	effective	75	effective	75	effective	75
7	8:06:00	effective	75	effective	75	effective	75
8	8:07:00	effective	75	effective	75	effective	75
9	8:08:00	effective	75	effective	75	effective	75
10	8:09:00	effective	75	effective	75	effective	75
11	8:10:00	effective	75	effective	75	effective	75
12	8:11:00	effective	75	effective	75	effective	75
13	8:12:00	effective	75	effective	75	effective	75
14	8:13:00	effective	75	effective	75	effective	75
15	8:14:00	effective	100	effective	75	effective	75
16	8:15:00	effective	100	effective	75	ineffective	
17	8:16:00	effective	100	effective	75	ineffective	
18	8:17:00	effective	100	effective	75	effective	75
19	8:18:00	effective	100	effective	75	effective	75
20	8:19:00	effective	100	effective	75	effective	100
21	8:20:00	effective	100	effective	75	effective	100
22	8:21:00	effective	100	effective	100	effective	100
23	8:22:00	effective	100	effective	100	effective	100
24	8:23:00	effective	100	effective	100	effective	100
25	8:24:00	effective	100	effective	100	effective	100
26	8:25:00	effective	100	effective	100	effective	100
27	8:26:00	effective	100	effective	100	effective	100
28	8:27:00	effective	100	effective	100	effective	100
29	8:28:00	ineffective		effective	100	effective	100
30	8:29:00	effective	100	effective	100	effective	100
31	8:30:00	effective	100	effective	100	effective	100
32	8:31:00	effective	100	effective	100	effective	100
33	8:32:00	effective	100	effective	100	effective	100
34	8:33:00	effective	100	effective	100	effective	100
35	8:34:00	effective	100	effective	100	effective	100
36	8:35:00	effective	100	effective	100	effective	100
37	8:36:00	effective	100	ineffective		ineffective	
38	8:37:00	effective	100	effective	100	effective	100
39	8:38:00	effective	100	effective	100	effective	100
40	8:39:00	effective	100	effective	100	effective	100
41	8:40:00	effective	100	effective	100	effective	100

42	8:41:00	effective	100	effective	100	effective	100
43	8:42:00	effective	100	effective	100	effective	100
44	8:43:00	effective	100	effective	100	effective	100
45	8:44:00	effective	100	effective	100	effective	100
46	8:45:00	effective	100	effective	100	effective	100
47	8:46:00	effective	100	effective	100	effective	100
48	8:47:00	effective	100	effective	100	effective	100
49	8:48:00	effective	100	effective	100	effective	100
50	8:49:00	effective	100	effective	100	effective	100
51	8:50:00	effective	100	effective	100	effective	100
52	8:51:00	effective	100	effective	100	effective	100
53	8:52:00	effective	100	effective	100	effective	100
54	8:53:00	effective	100	effective	100	effective	100
55	8:54:00	effective	100	effective	100	effective	100
56	8:55:00	effective	100	effective	100	effective	100
57	8:56:00	effective	100	effective	100	effective	100
58	8:57:00	effective	100	effective	100	effective	100
59	8:58:00	effective	75	effective	100	effective	100
60	8:59:00	effective	75	effective	100	ineffective	
61	9:00:00	ineffective		effective	100	effective	100
62	9:01:00	ineffective		effective	100	effective	100
63	9:02:00	ineffective		effective	100	effective	100
64	9:03:00	effective	75	effective	100	effective	100
65	9:04:00	effective	75	effective	100	effective	100
66	9:05:00	effective	75	effective	75	effective	100
67	9:06:00	effective	100	ineffective		effective	100
68	9:07:00	effective	100	ineffective		effective	100
69	9:08:00	effective	100	effective	75	effective	100
70	9:09:00	effective	100	effective	75	effective	100
71	9:10:00	effective	100	effective	100	effective	100
72	9:11:00	effective	100	effective	100	effective	100
73	9:12:00	effective	100	effective	100	effective	100
74	9:13:00	effective	100	effective	100	effective	100
75	9:14:00	effective	100	effective	100	effective	100
76	9:15:00	effective	100	effective	100	effective	100
77	9:16:00	effective	100	effective	100	effective	100
78	9:17:00	effective	100	effective	100	effective	100
79	9:18:00	effective	100	effective	100	effective	100
80	9:19:00	effective	100	effective	100	effective	100
81	9:20:00	effective	100	effective	100	effective	100
82	9:21:00	effective	100	effective	100	effective	100
83	9:22:00	effective	100	effective	100	effective	100
84	9:23:00	effective	100	effective	100	effective	100
85	9:24:00	effective	100	effective	100	effective	100
86	9:25:00	effective	100	effective	100	effective	100
87	9:26:00	effective	100	effective	100	effective	100
88	9:27:00	effective	100	effective	100	effective	100

89	9:28:00	effective	100	effective	100	effective	100
90	9:29:00	effective	75	effective	100	effective	100
91	9:30:00	effective	75	effective	100	effective	100
92	9:31:00	ineffective		effective	100	effective	100
93	9:32:00	ineffective		effective	100	effective	100
94	9:33:00	effective	75	effective	100	effective	100
95	9:34:00	effective	75	effective	100	effective	100
96	9:35:00	effective	75	effective	100	effective	100
97	9:36:00	effective	75	effective	100	effective	75
98	9:37:00	effective	100	effective	100	effective	75
99	9:38:00	effective	100	effective	100	ineffective	
100	9:39:00	effective	100	effective	100	ineffective	
101	9:40:00	effective	100	effective	100	ineffective	
102	9:41:00	effective	100	effective	100	effective	75
103	9:42:00	effective	100	ineffective		effective	75
104	9:43:00	effective	100	effective	100	effective	75
105	9:44:00	effective	100	effective	100	effective	100
106	9:45:00	effective	100	effective	100	effective	100
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108	9:47:00	effective	100	effective	100	effective	100
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110	9:49:00	effective	100	effective	100	effective	100
111	9:50:00	effective	100	effective	100	effective	100
112	9:51:00	effective	100	effective	100	effective	100
113	9:52:00	effective	100	effective	100	effective	100
114	9:53:00	effective	100	effective	100	effective	100
115	9:54:00	effective	100	effective	100	effective	75
116	9:55:00	effective	100	effective	100	effective	75
117	9:56:00	effective	75	effective	100	effective	75
118	9:57:00	ineffective		effective	100	effective	75
119	9:58:00	ineffective		effective	75	ineffective	
120	9:59:00	ineffective		effective	75	ineffective	
121	10:00:00	effective	75	effective	75	effective	75
122	10:01:00	effective	75	ineffective		effective	75
123	10:02:00	effective	75	ineffective		effective	100
124	10:03:00	effective	75	ineffective		effective	100
125	10:04:00	effective	75	effective	75	effective	100
126	10:05:00	effective	75	effective	75	effective	100
127	10:06:00	effective	75	effective	75	effective	100
128	10:07:00	effective	100	effective	75	effective	100
129	10:08:00	effective	100	effective	75	effective	100
130	10:09:00	effective	100	effective	100	effective	100
131	10:10:00	effective	100	effective	100	effective	100
132	10:11:00	effective	100	effective	100	effective	100
133	10:12:00	effective	100	effective	100	effective	100
134	10:13:00	effective	100	effective	100	effective	100
135	10:14:00	effective	100	effective	100	effective	100

136	10:15:00	effective	100	effective	100	effective	100
137	10:16:00	effective	100	effective	100	effective	100
138	10:17:00	effective	100	effective	100	effective	100
139	10:18:00	effective	100	effective	100	effective	100
140	10:19:00	effective	100	effective	100	effective	100
141	10:20:00	effective	100	effective	100	effective	100
142	10:21:00	effective	100	effective	100	effective	100
143	10:22:00	effective	100	effective	100	effective	100
144	10:23:00	effective	100	effective	100	effective	100
145	10:24:00	effective	100	effective	100	effective	100
146	10:25:00	effective	100	effective	100	effective	100
147	10:26:00	effective	100	effective	100	effective	100
148	10:27:00	effective	100	effective	100	effective	100
149	10:28:00	effective	100	effective	100	effective	100
150	10:29:00	effective	100	effective	100	effective	100
151	10:30:00	effective	100	effective	100	effective	100
152	10:31:00	effective	100	effective	100	effective	100
153	10:32:00	effective	100	effective	100	effective	100
154	10:33:00	effective	100	effective	100	effective	100
155	10:34:00	effective	100	effective	100	effective	100
156	10:35:00	effective	100	effective	100	ineffective	
157	10:36:00	effective	100	effective	100	effective	100
158	10:37:00	ineffective		effective	100	effective	100
159	10:38:00	effective	100	effective	100	effective	100
160	10:39:00	effective	100	effective	100	effective	100
161	10:40:00	effective	100	effective	100	effective	100
162	10:41:00	effective	100	effective	100	effective	100
163	10:42:00	effective	100	effective	100	effective	100
164	10:43:00	effective	100	effective	100	effective	100
165	10:44:00	effective	100	effective	100	effective	100
166	10:45:00	effective	100	effective	100	effective	100
167	10:46:00	effective	100	effective	100	effective	100
168	10:47:00	effective	100	effective	100	effective	100
169	10:48:00	effective	100	effective	100	effective	100
170	10:49:00	effective	100	effective	100	effective	100
171	10:50:00	effective	100	effective	100	effective	100
172	10:51:00	effective	100	effective	100	effective	100
173	10:52:00	effective	100	effective	75	effective	100
174	10:53:00	effective	100	effective	75	effective	75
175	10:54:00	effective	75	ineffective		effective	75
176	10:55:00	effective	75	ineffective		effective	75
177	10:56:00	ineffective		effective	75	ineffective	
178	10:57:00	ineffective		effective	75	ineffective	
179	10:58:00	effective	75	effective	75	ineffective	
180	10:59:00	effective	75	effective	75	ineffective	
181	11:00:00	effective	75	effective	75	effective	75
182	11:01:00	effective	75	effective	75	effective	75

183	11:02:00	effective	75	effective	75	effective	75
184	11:03:00	effective	75	effective	75	effective	75
185	11:04:00	effective	75	effective	75	effective	75
186	11:05:00	effective	75	effective	75	effective	75
187	11:06:00	effective	75	effective	75	effective	75
188	11:07:00	effective	75	effective	75	effective	75
189	11:08:00	effective	75	effective	75	effective	75
190	11:09:00	effective	75	effective	75	effective	75
191	11:10:00	effective	75	effective	75	effective	75
192	11:11:00	effective	75	effective	75	effective	75
193	11:12:00	effective	75	effective	75	effective	75
194	11:13:00	effective	75	effective	75	effective	75
195	11:14:00	effective	75	effective	75	effective	75
196	11:15:00	effective	75	effective	75	effective	75
197	11:16:00	effective	75	effective	75	effective	75
198	11:17:00	effective	75	effective	75	effective	75
199	11:18:00	effective	75	effective	75	effective	75
200	11:19:00	effective	75	effective	75	effective	75
201	11:20:00	effective	75	effective	75	effective	75
202	11:21:00	ineffective		ineffective		ineffective	
203	11:22:00	ineffective		ineffective		ineffective	
204	11:23:00	ineffective		ineffective		ineffective	
205	11:24:00	ineffective		ineffective		ineffective	
206	11:25:00	ineffective		ineffective		ineffective	
207	11:26:00	ineffective		ineffective		ineffective	
208	11:27:00	ineffective		ineffective		ineffective	
209	11:28:00	ineffective		ineffective		ineffective	
210	11:29:00	ineffective		ineffective		ineffective	
211	11:30:00	ineffective		ineffective		ineffective	
212	11:31:00	ineffective		ineffective		ineffective	
213	11:32:00	ineffective		ineffective		ineffective	
214	11:33:00	ineffective		ineffective		ineffective	
215	11:34:00	ineffective		ineffective		ineffective	
216	11:35:00	ineffective		ineffective		ineffective	
217	11:36:00	ineffective		ineffective		ineffective	
218	11:37:00	ineffective		ineffective		ineffective	
219	11:38:00	ineffective		ineffective		ineffective	
220	11:39:00	ineffective		ineffective		ineffective	
221	11:40:00	ineffective		ineffective		ineffective	
222	11:41:00	ineffective		ineffective		ineffective	
223	11:42:00	ineffective		ineffective		ineffective	
224	11:43:00	ineffective		ineffective		ineffective	
225	11:44:00	ineffective		ineffective		ineffective	
226	11:45:00	ineffective		ineffective		ineffective	
227	11:46:00	ineffective		ineffective		ineffective	
228	11:47:00	ineffective		ineffective		ineffective	
229	11:48:00	ineffective		ineffective		ineffective	

230	11:49:00	ineffective	ineffective	ineffective
231	11:50:00	ineffective	ineffective	ineffective
232	11:51:00	ineffective	ineffective	ineffective
233	11:52:00	ineffective	ineffective	ineffective
234	11:53:00	ineffective	ineffective	ineffective
235	11:54:00	ineffective	ineffective	ineffective
236	11:55:00	ineffective	ineffective	ineffective
237	11:56:00	ineffective	ineffective	ineffective
238	11:57:00	ineffective	ineffective	ineffective
239	11:58:00	ineffective	ineffective	ineffective
240	11:59:00	ineffective	ineffective	ineffective
241	12:00:00	ineffective	ineffective	ineffective
242	12:01:00	ineffective	ineffective	ineffective
243	12:02:00	ineffective	ineffective	ineffective
244	12:03:00	ineffective	ineffective	ineffective
245	12:04:00	ineffective	ineffective	ineffective
246	12:05:00	ineffective	ineffective	ineffective
247	12:06:00	ineffective	ineffective	ineffective
248	12:07:00	ineffective	ineffective	ineffective
249	12:08:00	ineffective	ineffective	ineffective
250	12:09:00	ineffective	ineffective	ineffective
251	12:10:00	ineffective	ineffective	ineffective
252	12:11:00	ineffective	ineffective	ineffective
253	12:12:00	ineffective	ineffective	ineffective
254	12:13:00	ineffective	ineffective	ineffective
255	12:14:00	ineffective	ineffective	ineffective
256	12:15:00	ineffective	ineffective	ineffective
257	12:16:00	ineffective	ineffective	ineffective
258	12:17:00	ineffective	ineffective	ineffective
259	12:18:00	ineffective	ineffective	ineffective
260	12:19:00	ineffective	ineffective	ineffective
261	12:20:00	ineffective	ineffective	ineffective
262	12:21:00	ineffective	ineffective	ineffective
263	12:22:00	ineffective	ineffective	ineffective
264	12:23:00	ineffective	ineffective	ineffective
265	12:24:00	ineffective	ineffective	ineffective
266	12:25:00	ineffective	ineffective	ineffective
267	12:26:00	ineffective	ineffective	ineffective
268	12:27:00	ineffective	ineffective	ineffective
269	12:28:00	ineffective	ineffective	ineffective
270	12:29:00	ineffective	ineffective	ineffective
271	12:30:00	ineffective	ineffective	ineffective
272	12:31:00	ineffective	ineffective	ineffective
273	12:32:00	ineffective	ineffective	ineffective
274	12:33:00	ineffective	ineffective	ineffective
275	12:34:00	ineffective	ineffective	ineffective
276	12:35:00	ineffective	ineffective	ineffective

277	12:36:00	ineffective		ineffective		ineffective	
278	12:37:00	ineffective		ineffective		ineffective	
279	12:38:00	ineffective		ineffective		ineffective	
280	12:39:00	ineffective		ineffective		ineffective	
281	12:40:00	ineffective		ineffective		ineffective	
282	12:41:00	ineffective		ineffective		ineffective	
283	12:42:00	ineffective		ineffective		ineffective	
284	12:43:00	ineffective		ineffective		ineffective	
285	12:44:00	ineffective		ineffective		ineffective	
286	12:45:00	ineffective		ineffective		ineffective	
287	12:46:00	ineffective		ineffective		ineffective	
288	12:47:00	ineffective		ineffective		ineffective	
289	12:48:00	ineffective		ineffective		ineffective	
290	12:49:00	ineffective		ineffective		ineffective	
291	12:50:00	ineffective		ineffective		ineffective	
292	12:51:00	ineffective		ineffective		ineffective	
293	12:52:00	ineffective		ineffective		ineffective	
294	12:53:00	ineffective		ineffective		ineffective	
295	12:54:00	ineffective		ineffective		ineffective	
296	12:55:00	ineffective		ineffective		ineffective	
297	12:56:00	ineffective		ineffective		ineffective	
298	12:57:00	ineffective		ineffective		ineffective	
299	12:58:00	ineffective		ineffective		ineffective	
300	12:59:00	ineffective		ineffective		effective	75
301	13:00:00	ineffective		ineffective		effective	75
302	13:01:00	ineffective		effective	75	effective	75
303	13:02:00	ineffective		effective	75	effective	75
304	13:03:00	effective	75	effective	75	effective	75
305	13:04:00	effective	75	effective	75	effective	75
306	13:05:00	effective	75	effective	75	effective	100
307	13:06:00	effective	75	effective	100	effective	100
308	13:07:00	effective	75	effective	100	effective	100
309	13:08:00	effective	75	effective	100	effective	100
310	13:09:00	effective	75	effective	100	effective	100
311	13:10:00	effective	100	effective	100	effective	100
312	13:11:00	effective	100	effective	100	effective	100
313	13:12:00	effective	100	effective	100	effective	100
314	13:13:00	effective	100	effective	100	effective	100
315	13:14:00	effective	100	effective	100	effective	100
316	13:15:00	effective	100	effective	100	effective	100
317	13:16:00	effective	100	effective	100	effective	100
318	13:17:00	effective	100	effective	100	effective	100
319	13:18:00	effective	100	effective	100	effective	100
320	13:19:00	effective	100	effective	100	effective	100
321	13:20:00	effective	100	effective	100	effective	100
322	13:21:00	effective	100	effective	75	effective	100
323	13:22:00	effective	100	effective	75	effective	100

324	13:23:00	effective	100	ineffective		effective	100
325	13:24:00	effective	100	ineffective		effective	100
326	13:25:00	effective	100	effective	75	effective	100
327	13:26:00	effective	100	effective	75	effective	100
328	13:27:00	effective	100	effective	75	effective	100
329	13:28:00	effective	100	effective	100	effective	100
330	13:29:00	effective	100	effective	100	effective	100
331	13:30:00	effective	100	effective	100	effective	75
332	13:31:00	effective	100	effective	100	effective	75
333	13:32:00	effective	100	effective	100	ineffective	
334	13:33:00	effective	100	effective	100	ineffective	
335	13:34:00	effective	100	effective	100	effective	75
336	13:35:00	ineffective		effective	100	effective	75
337	13:36:00	effective	100	effective	100	effective	100
338	13:37:00	effective	100	effective	100	effective	100
339	13:38:00	effective	100	effective	100	effective	100
340	13:39:00	effective	100	effective	100	effective	100
341	13:40:00	effective	100	effective	100	effective	100
342	13:41:00	effective	100	effective	100	effective	100
343	13:42:00	effective	100	effective	100	effective	100
344	13:43:00	ineffective		ineffective		effective	100
345	13:44:00	effective	100	effective	100	effective	100
346	13:45:00	effective	100	effective	100	effective	100
347	13:46:00	effective	100	effective	100	effective	100
348	13:47:00	effective	100	effective	100	effective	100
349	13:48:00	effective	100	effective	100	effective	100
350	13:49:00	effective	100	effective	100	effective	100
351	13:50:00	effective	100	effective	100	effective	100
352	13:51:00	effective	100	effective	100	effective	100
353	13:52:00	effective	100	effective	100	effective	75
354	13:53:00	effective	100	effective	100	effective	75
355	13:54:00	effective	100	effective	100	effective	75
356	13:55:00	effective	100	effective	100	ineffective	
357	13:56:00	effective	100	effective	100	ineffective	
358	13:57:00	effective	100	effective	75	ineffective	
359	13:58:00	effective	100	ineffective		effective	75
360	13:59:00	effective	100	ineffective		effective	75
361	14:00:00	effective	100	effective	75	effective	75
362	14:01:00	effective	100	effective	75	effective	100
363	14:02:00	effective	100	effective	75	effective	100
364	14:03:00	ineffective		effective	75	effective	100
365	14:04:00	effective	100	effective	100	effective	100
366	14:05:00	effective	100	effective	100	effective	100
367	14:06:00	effective	100	effective	100	effective	100
368	14:07:00	effective	100	effective	100	effective	100
369	14:08:00	effective	100	effective	100	effective	100
370	14:09:00	effective	100	effective	100	effective	100

371	14:10:00	effective	100	effective	100	effective	100
372	14:11:00	effective	100	effective	100	effective	100
373	14:12:00	effective	100	effective	100	ineffective	
374	14:13:00	effective	100	ineffective		effective	100
375	14:14:00	effective	100	effective	100	effective	100
376	14:15:00	effective	100	effective	100	effective	100
377	14:16:00	effective	100	effective	100	effective	100
378	14:17:00	effective	100	effective	100	effective	100
379	14:18:00	effective	100	effective	100	effective	100
380	14:19:00	effective	100	effective	100	effective	100
381	14:20:00	effective	100	effective	100	effective	100
382	14:21:00	effective	100	effective	100	effective	100
383	14:22:00	effective	100	ineffective		effective	100
384	14:23:00	effective	100	effective	100	effective	100
385	14:24:00	effective	100	effective	100	effective	100
386	14:25:00	effective	100	effective	100	effective	100
387	14:26:00	effective	100	effective	100	effective	100
388	14:27:00	effective	100	effective	100	effective	100
389	14:28:00	effective	100	effective	100	effective	100
390	14:29:00	effective	100	effective	100	effective	100
391	14:30:00	effective	100	effective	100	effective	100
392	14:31:00	effective	100	effective	100	effective	100
393	14:32:00	effective	100	effective	100	effective	100
394	14:33:00	effective	100	effective	100	ineffective	
395	14:34:00	effective	100	effective	100	effective	100
396	14:35:00	effective	100	effective	100	effective	100
397	14:36:00	effective	100	effective	100	effective	100
398	14:37:00	effective	100	effective	100	effective	100
399	14:38:00	effective	100	effective	100	effective	100
400	14:39:00	ineffective		effective	75	effective	100
401	14:40:00	effective	100	effective	75	effective	100
402	14:41:00	effective	100	effective	75	effective	100
403	14:42:00	effective	100	effective	75	effective	100
404	14:43:00	effective	100	ineffective		effective	100
405	14:44:00	effective	100	ineffective		effective	100
406	14:45:00	effective	100	ineffective		effective	100
407	14:46:00	effective	100	effective	75	effective	100
408	14:47:00	effective	100	effective	75	effective	100
409	14:48:00	effective	100	effective	75	effective	100
410	14:49:00	effective	100	effective	100	effective	100
411	14:50:00	effective	100	effective	100	effective	100
412	14:51:00	effective	100	effective	100	effective	100
413	14:52:00	effective	100	effective	100	effective	100
414	14:53:00	effective	100	effective	100	effective	100
415	14:54:00	effective	100	effective	100	effective	100
416	14:55:00	effective	100	effective	100	effective	100
417	14:56:00	effective	100	effective	100	effective	100

418	14:57:00	effective	100	effective	100	effective	100
419	14:58:00	effective	100	effective	100	effective	100
420	14:59:00	effective	100	effective	100	effective	100
421	15:00:00	effective	100	effective	100	effective	100
422	15:01:00	ineffective		effective	100	effective	100
423	15:02:00	ineffective		effective	100	ineffective	
424	15:03:00	ineffective		effective	100	effective	100
425	15:04:00	effective	100	effective	100	effective	100
426	15:05:00	effective	100	effective	100	effective	100
427	15:06:00	effective	100	effective	100	effective	100
428	15:07:00	effective	100	effective	100	effective	100
429	15:08:00	effective	100	effective	100	effective	100
430	15:09:00	effective	100	effective	100	effective	100
431	15:10:00	effective	100	effective	100	effective	75
432	15:11:00	effective	100	effective	75	effective	75
433	15:12:00	effective	100	effective	75	effective	75
434	15:13:00	effective	100	effective	75	effective	75
435	15:14:00	effective	100	effective	75	effective	75
436	15:15:00	effective	100	effective	75	ineffective	
437	15:16:00	effective	100	effective	75	effective	75
438	15:17:00	effective	100	ineffective		effective	75
439	15:18:00	effective	100	ineffective		effective	75
440	15:19:00	effective	100	ineffective		effective	75
441	15:20:00	effective	75	ineffective		effective	75
442	15:21:00	effective	75	ineffective		ineffective	
443	15:22:00	effective	75	ineffective		ineffective	
444	15:23:00	effective	75	ineffective		ineffective	
445	15:24:00	ineffective		ineffective		effective	75
446	15:25:00	ineffective		ineffective		effective	75
447	15:26:00	effective	75	effective	75	effective	75
448	15:27:00	effective	75	effective	75	effective	100
449	15:28:00	effective	100	effective	75	effective	100
450	15:29:00	effective	100	effective	75	effective	100
451	15:30:00	effective	100	effective	75	effective	100
452	15:31:00	effective	100	effective	75	effective	100
453	15:32:00	effective	100	effective	75	effective	100
454	15:33:00	effective	100	effective	75	effective	100
455	15:34:00	effective	100	effective	75	effective	100
456	15:35:00	effective	100	effective	75	effective	100
457	15:36:00	effective	100	effective	75	effective	100
458	15:37:00	effective	100	effective	75	effective	100
459	15:38:00	effective	100	effective	75	effective	100
460	15:39:00	effective	100	effective	75	effective	100
461	15:40:00	effective	100	effective	75	effective	100
462	15:41:00	effective	100	effective	75	effective	100
463	15:42:00	effective	100	effective	75	effective	100
464	15:43:00	effective	75	effective	75	effective	100

465	15:44:00	effective	75	effective	75	effective	75
466	15:45:00	effective	75	effective	75	effective	75
467	15:46:00	effective	75	effective	75	effective	75
468	15:47:00	effective	75	effective	75	effective	75
469	15:48:00	effective	75	effective	75	effective	75
470	15:49:00	effective	75	effective	75	effective	75
471	15:50:00	effective	75	effective	75	effective	75
472	15:51:00	effective	75	effective	75	effective	75
473	15:52:00	effective	75	ineffective		effective	75
474	15:53:00	effective	75	ineffective		ineffective	
475	15:54:00	effective	75	ineffective		ineffective	
476	15:55:00	ineffective		ineffective		ineffective	
477	15:56:00	ineffective		ineffective		ineffective	
478	15:57:00	ineffective		ineffective		ineffective	
479	15:58:00	ineffective		ineffective		ineffective	
480	15:59:00	ineffective		ineffective		ineffective	
481	16:00:00	ineffective		ineffective		ineffective	

OBSERVATION SHEET							
No : 5		Waktu mulai : 08.00		Jenis Pekerjaan : Lifting+Cor			
Tgl : 19/5/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 12.9 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Sri		Pak Jono		Pak Slamet	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		effective	100
3	8:02:00	ineffective		ineffective		effective	100
4	8:03:00	effective	100	effective	100	effective	100
5	8:04:00	effective	100	effective	100	effective	100
6	8:05:00	effective	100	effective	100	effective	100
7	8:06:00	effective	100	effective	100	effective	100
8	8:07:00	effective	100	effective	100	effective	100
9	8:08:00	effective	100	effective	100	effective	100
10	8:09:00	effective	100	effective	100	effective	100
11	8:10:00	effective	100	effective	100	effective	100
12	8:11:00	effective	100	effective	100	effective	100
13	8:12:00	effective	100	effective	100	effective	100
14	8:13:00	effective	100	effective	100	effective	100
15	8:14:00	effective	100	effective	100	effective	100
16	8:15:00	effective	100	effective	100	effective	100
17	8:16:00	effective	100	ineffective		effective	100
18	8:17:00	effective	100	effective	100	effective	100
19	8:18:00	effective	100	effective	100	effective	100
20	8:19:00	effective	100	effective	100	effective	100
21	8:20:00	effective	100	effective	100	effective	100
22	8:21:00	effective	100	effective	100	effective	100
23	8:22:00	effective	100	effective	100	effective	100
24	8:23:00	effective	100	effective	100	effective	100
25	8:24:00	effective	100	effective	100	ineffective	
26	8:25:00	effective	100	effective	100	ineffective	
27	8:26:00	effective	100	effective	100	ineffective	
28	8:27:00	effective	100	effective	100	effective	100
29	8:28:00	effective	100	effective	100	effective	100
30	8:29:00	effective	100	effective	100	effective	100
31	8:30:00	effective	100	effective	100	effective	100
32	8:31:00	effective	100	effective	100	effective	100
33	8:32:00	effective	100	effective	100	effective	100
34	8:33:00	ineffective		ineffective		effective	100
35	8:34:00	ineffective		ineffective		effective	100
36	8:35:00	effective	100	effective	100	effective	100
37	8:36:00	effective	100	effective	100	effective	100
38	8:37:00	effective	100	effective	100	effective	100
39	8:38:00	effective	100	effective	100	effective	100
40	8:39:00	effective	100	effective	100	ineffective	
41	8:40:00	effective	100	effective	100	ineffective	

42	8:41:00	effective	100	effective	100	ineffective	
43	8:42:00	effective	100	effective	100	ineffective	
44	8:43:00	effective	100	effective	100	effective	100
45	8:44:00	effective	100	effective	100	effective	100
46	8:45:00	effective	100	effective	100	effective	100
47	8:46:00	effective	100	effective	100	effective	100
48	8:47:00	effective	100	effective	100	effective	100
49	8:48:00	ineffective		effective	100	effective	100
50	8:49:00	ineffective		effective	100	effective	100
51	8:50:00	ineffective		effective	100	effective	100
52	8:51:00	effective	100	effective	100	effective	100
53	8:52:00	effective	100	effective	100	effective	100
54	8:53:00	effective	100	ineffective		effective	100
55	8:54:00	effective	100	ineffective		effective	100
56	8:55:00	effective	100	effective	100	effective	100
57	8:56:00	effective	100	effective	100	effective	100
58	8:57:00	effective	100	effective	100	effective	100
59	8:58:00	effective	100	effective	100	effective	100
60	8:59:00	effective	100	effective	100	effective	100
61	9:00:00	effective	100	effective	100	effective	100
62	9:01:00	effective	100	effective	100	effective	100
63	9:02:00	effective	100	effective	100	effective	100
64	9:03:00	effective	100	effective	100	ineffective	
65	9:04:00	effective	100	effective	100	ineffective	
66	9:05:00	effective	100	effective	100	effective	100
67	9:06:00	effective	100	effective	100	effective	100
68	9:07:00	effective	100	effective	100	effective	100
69	9:08:00	effective	100	effective	100	effective	100
70	9:09:00	ineffective		ineffective		effective	100
71	9:10:00	ineffective		effective	100	effective	100
72	9:11:00	effective	100	effective	100	effective	100
73	9:12:00	effective	100	effective	100	effective	100
74	9:13:00	effective	100	effective	100	effective	100
75	9:14:00	effective	100	effective	100	effective	100
76	9:15:00	effective	100	effective	100	effective	100
77	9:16:00	effective	100	effective	100	effective	100
78	9:17:00	effective	100	effective	100	effective	100
79	9:18:00	effective	100	effective	100	effective	100
80	9:19:00	effective	100	effective	100	effective	100
81	9:20:00	effective	100	effective	100	ineffective	
82	9:21:00	effective	100	effective	100	ineffective	
83	9:22:00	effective	100	effective	100	effective	
84	9:23:00	effective	100	effective	100	effective	100
85	9:24:00	effective	100	effective	100	effective	100
86	9:25:00	effective	100	ineffective		effective	100
87	9:26:00	effective	100	ineffective		effective	100
88	9:27:00	effective	100	ineffective		effective	100

89	9:28:00	ineffective		effective	100	effective	100
90	9:29:00	effective	100	effective	100	effective	100
91	9:30:00	effective	100	effective	100	effective	100
92	9:31:00	effective	100	effective	100	effective	100
93	9:32:00	effective	100	effective	100	effective	100
94	9:33:00	effective	100	effective	100	effective	100
95	9:34:00	effective	100	effective	100	effective	100
96	9:35:00	effective	100	effective	100	effective	100
97	9:36:00	effective	100	effective	100	effective	100
98	9:37:00	effective	100	effective	100	effective	100
99	9:38:00	effective	100	effective	100	effective	100
100	9:39:00	effective	100	effective	100	effective	100
101	9:40:00	effective	100	effective	100	effective	100
102	9:41:00	effective	100	effective	100	effective	100
103	9:42:00	effective	100	effective	100	effective	100
104	9:43:00	effective	100	effective	100	effective	100
105	9:44:00	effective	100	effective	100	ineffective	
106	9:45:00	effective	100	effective	100	effective	100
107	9:46:00	effective	100	effective	100	effective	100
108	9:47:00	effective	100	effective	100	effective	100
109	9:48:00	effective	100	effective	100	effective	100
110	9:49:00	effective	100	effective	100	effective	100
111	9:50:00	effective	100	effective	100	effective	100
112	9:51:00	effective	100	effective	100	effective	100
113	9:52:00	effective	100	effective	100	effective	100
114	9:53:00	effective	100	effective	100	effective	100
115	9:54:00	ineffective		effective	100	effective	100
116	9:55:00	ineffective		effective	100	effective	100
117	9:56:00	ineffective		effective	100	effective	100
118	9:57:00	effective	100	effective	100	effective	100
119	9:58:00	effective	100	ineffective		effective	100
120	9:59:00	effective	100	ineffective		effective	100
121	10:00:00	effective	100	effective	100	effective	100
122	10:01:00	effective	100	effective	100	effective	100
123	10:02:00	effective	100	effective	100	effective	100
124	10:03:00	effective	100	effective	100	effective	100
125	10:04:00	effective	100	effective	100	effective	100
126	10:05:00	effective	100	effective	100	effective	100
127	10:06:00	effective	100	effective	100	ineffective	
128	10:07:00	effective	100	effective	100	ineffective	
129	10:08:00	effective	100	effective	100	ineffective	
130	10:09:00	effective	100	effective	100	ineffective	
131	10:10:00	effective	100	effective	100	effective	100
132	10:11:00	effective	100	effective	100	effective	100
133	10:12:00	effective	100	effective	100	effective	100
134	10:13:00	effective	100	effective	100	effective	100
135	10:14:00	effective	100	effective	100	effective	100

136	10:15:00	effective	100	effective	100	effective	100
137	10:16:00	effective	100	effective	100	effective	100
138	10:17:00	effective	100	effective	100	effective	100
139	10:18:00	effective	100	effective	100	effective	100
140	10:19:00	effective	100	effective	100	effective	100
141	10:20:00	effective	100	effective	100	effective	100
142	10:21:00	effective	100	effective	100	effective	100
143	10:22:00	effective	100	effective	100	effective	100
144	10:23:00	effective	100	effective	100	effective	100
145	10:24:00	effective	100	effective	100	effective	100
146	10:25:00	effective	100	effective	100	effective	100
147	10:26:00	effective	100	effective	100	effective	100
148	10:27:00	effective	100	effective	100	effective	100
149	10:28:00	ineffective		ineffective		effective	100
150	10:29:00	ineffective		ineffective		effective	100
151	10:30:00	effective	100	effective	100	effective	100
152	10:31:00	effective	100	effective	100	effective	100
153	10:32:00	effective	100	effective	100	effective	100
154	10:33:00	effective	100	effective	100	effective	100
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156	10:35:00	effective	100	effective	100	effective	100
157	10:36:00	effective	100	effective	100	effective	100
158	10:37:00	effective	100	effective	100	effective	100
159	10:38:00	effective	100	effective	100	ineffective	
160	10:39:00	effective	100	effective	100	ineffective	
161	10:40:00	effective	100	effective	100	effective	100
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165	10:44:00	effective	100	effective	75	effective	100
166	10:45:00	effective	100	ineffective		effective	100
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176	10:55:00	effective	100	effective	100	effective	100
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178	10:57:00	effective	100	effective	100	effective	100
179	10:58:00	effective	100	effective	100	effective	100
180	10:59:00	effective	100	effective	100	effective	100
181	11:00:00	effective	100	effective	100	effective	100
182	11:01:00	effective	100	effective	100	effective	100

183	11:02:00	effective	100	effective	100	effective	100
184	11:03:00	effective	100	effective	100	effective	100
185	11:04:00	effective	100	effective	100	effective	75
186	11:05:00	effective	75	effective	100	effective	75
187	11:06:00	effective	75	effective	100	effective	75
188	11:07:00	effective	75	effective	75	effective	75
189	11:08:00	effective	75	effective	75	ineffective	
190	11:09:00	ineffective		ineffective		ineffective	
191	11:10:00	ineffective		ineffective		ineffective	
192	11:11:00	ineffective		ineffective		ineffective	
193	11:12:00	ineffective		effective	75	effective	75
194	11:13:00	ineffective		effective	75	effective	75
195	11:14:00	ineffective		effective	75	effective	75
196	11:15:00	ineffective		effective	75	effective	75
197	11:16:00	effective	75	effective	75	effective	75
198	11:17:00	effective	75	effective	75	effective	75
199	11:18:00	effective	75	effective	75	effective	75
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201	11:20:00	effective	75	effective	75	effective	75
202	11:21:00	effective	75	effective	75	effective	75
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205	11:24:00	effective	75	effective	75	effective	75
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218	11:37:00	effective	75	effective	75	effective	75
219	11:38:00	effective	75	effective	75	effective	75
220	11:39:00	effective	75	effective	75	effective	75
221	11:40:00	effective	75	effective	75	effective	75
222	11:41:00	effective	75	effective	75	effective	75
223	11:42:00	effective	75	effective	75	effective	75
224	11:43:00	effective	75	effective	75	effective	75
225	11:44:00	effective	75	effective	75	effective	75
226	11:45:00	effective	75	effective	75	ineffective	
227	11:46:00	effective	75	effective	75	ineffective	
228	11:47:00	effective	75	effective	75	ineffective	
229	11:48:00	effective	75	effective	75	ineffective	

230	11:49:00	effective	75	effective	75	ineffective
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232	11:51:00	effective	75	ineffective		ineffective
233	11:52:00	ineffective		ineffective		ineffective
234	11:53:00	ineffective		ineffective		ineffective
235	11:54:00	ineffective		ineffective		ineffective
236	11:55:00	ineffective		ineffective		ineffective
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238	11:57:00	ineffective		ineffective		ineffective
239	11:58:00	ineffective		ineffective		ineffective
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242	12:01:00	ineffective		ineffective		ineffective
243	12:02:00	ineffective		ineffective		ineffective
244	12:03:00	ineffective		ineffective		ineffective
245	12:04:00	ineffective		ineffective		ineffective
246	12:05:00	ineffective		ineffective		ineffective
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261	12:20:00	ineffective		ineffective		ineffective
262	12:21:00	ineffective		ineffective		ineffective
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266	12:25:00	ineffective		ineffective		ineffective
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269	12:28:00	ineffective		ineffective		ineffective
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281	12:40:00	ineffective		ineffective		ineffective	
282	12:41:00	ineffective		ineffective		ineffective	
283	12:42:00	ineffective		ineffective		ineffective	
284	12:43:00	ineffective		ineffective		ineffective	
285	12:44:00	ineffective		ineffective		ineffective	
286	12:45:00	ineffective		ineffective		ineffective	
287	12:46:00	ineffective		ineffective		ineffective	
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289	12:48:00	ineffective		ineffective		ineffective	
290	12:49:00	ineffective		ineffective		ineffective	
291	12:50:00	ineffective		ineffective		ineffective	
292	12:51:00	ineffective		ineffective		ineffective	
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294	12:53:00	ineffective		ineffective		ineffective	
295	12:54:00	ineffective		ineffective		ineffective	
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303	13:02:00	ineffective		effective	75	effective	75
304	13:03:00	ineffective		effective	75	effective	75
305	13:04:00	ineffective		effective	75	effective	75
306	13:05:00	effective	75	effective	75	effective	75
307	13:06:00	effective	75	effective	75	effective	75
308	13:07:00	effective	75	effective	75	effective	75
309	13:08:00	effective	75	ineffective		effective	75
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313	13:12:00	effective	75	effective	75	ineffective	
314	13:13:00	effective	75	effective	75	ineffective	
315	13:14:00	effective	75	effective	75	ineffective	
316	13:15:00	effective	75	effective	75	effective	75
317	13:16:00	effective	75	effective	75	effective	75
318	13:17:00	effective	75	effective	75	effective	75
319	13:18:00	effective	75	effective	75	effective	75
320	13:19:00	effective	75	effective	75	effective	75
321	13:20:00	effective	75	effective	75	effective	75
322	13:21:00	ineffective		effective	75	effective	75
323	13:22:00	ineffective		effective	75	effective	75

324	13:23:00	effective	75	effective	75	effective	75
325	13:24:00	effective	75	effective	75	effective	75
326	13:25:00	effective	75	effective	75	effective	75
327	13:26:00	effective	75	effective	75	effective	75
328	13:27:00	effective	75	effective	75	effective	75
329	13:28:00	ineffective		effective	75	effective	75
330	13:29:00	ineffective		effective	75	ineffective	
331	13:30:00	effective	75	ineffective		ineffective	
332	13:31:00	effective	75	ineffective		ineffective	
333	13:32:00	effective	100	effective	100	effective	100
334	13:33:00	effective	100	effective	100	effective	100
335	13:34:00	effective	100	effective	100	effective	100
336	13:35:00	effective	100	effective	100	effective	100
337	13:36:00	effective	100	effective	100	effective	100
338	13:37:00	effective	100	effective	100	effective	100
339	13:38:00	effective	100	effective	100	effective	100
340	13:39:00	effective	100	effective	100	effective	100
341	13:40:00	effective	100	effective	100	effective	100
342	13:41:00	effective	100	effective	100	effective	100
343	13:42:00	effective	100	effective	100	effective	100
344	13:43:00	effective	100	effective	100	ineffective	
345	13:44:00	effective	100	effective	100	ineffective	
346	13:45:00	effective	100	effective	100	effective	75
347	13:46:00	effective	100	ineffective		effective	75
348	13:47:00	effective	100	ineffective		ineffective	
349	13:48:00	effective	100	ineffective		ineffective	
350	13:49:00	effective	100	effective	100	ineffective	
351	13:50:00	effective	100	effective	100	ineffective	
352	13:51:00	effective	100	effective	100	effective	75
353	13:52:00	effective	100	effective	100	effective	75
354	13:53:00	effective	100	effective	100	ineffective	
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358	13:57:00	effective	100	effective	100	effective	100
359	13:58:00	effective	100	effective	100	effective	100
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363	14:02:00	effective	100	effective	100	effective	100
364	14:03:00	effective	100	effective	100	effective	100
365	14:04:00	effective	100	effective	100	effective	100
366	14:05:00	effective	100	effective	100	effective	100
367	14:06:00	effective	100	effective	100	effective	100
368	14:07:00	effective	75	effective	100	effective	100
369	14:08:00	effective	75	effective	100	effective	100
370	14:09:00	ineffective		ineffective		effective	100

371	14:10:00	ineffective		ineffective		effective	100
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374	14:13:00	effective	75	effective	100	effective	100
375	14:14:00	effective	75	effective	100	effective	100
376	14:15:00	effective	75	effective	100	effective	100
377	14:16:00	effective	100	effective	100	effective	100
378	14:17:00	effective	100	effective	100	effective	100
379	14:18:00	effective	100	effective	100	effective	100
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381	14:20:00	effective	100	effective	100	effective	100
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390	14:29:00	effective	100	effective	100	effective	100
391	14:30:00	effective	100	effective	100	effective	100
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393	14:32:00	effective	100	effective	100	ineffective	
394	14:33:00	ineffective		ineffective		ineffective	
395	14:34:00	ineffective		effective	75	ineffective	
396	14:35:00	ineffective		effective	75	ineffective	
397	14:36:00	effective	75	effective	75	ineffective	
398	14:37:00	effective	75	effective	75	ineffective	
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400	14:39:00	effective	75	effective	75	ineffective	
401	14:40:00	effective	75	effective	75	effective	75
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404	14:43:00	effective	100	effective	100	effective	75
405	14:44:00	effective	100	effective	100	effective	75
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414	14:53:00	effective	100	effective	100	effective	100
415	14:54:00	effective	100	effective	100	effective	100
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417	14:56:00	effective	100	effective	100	effective	100

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419	14:58:00	effective	100	effective	100	effective	100
420	14:59:00	effective	100	effective	100	effective	100
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422	15:01:00	effective	100	effective	100	effective	100
423	15:02:00	effective	100	ineffective		effective	100
424	15:03:00	effective	100	ineffective		ineffective	
425	15:04:00	effective	100	ineffective		ineffective	
426	15:05:00	effective	100	ineffective		effective	100
427	15:06:00	ineffective		effective	100	effective	100
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434	15:13:00	effective	100	effective	100	effective	100
435	15:14:00	effective	100	effective	100	effective	100
436	15:15:00	effective	100	effective	100	effective	100
437	15:16:00	effective	100	effective	100	effective	100
438	15:17:00	effective	100	effective	100	effective	100
439	15:18:00	effective	100	effective	100	effective	100
440	15:19:00	effective	100	effective	100	effective	100
441	15:20:00	effective	100	effective	100	effective	100
442	15:21:00	effective	100	effective	100	effective	100
443	15:22:00	effective	100	effective	100	effective	100
444	15:23:00	effective	100	effective	100	effective	100
445	15:24:00	effective	100	effective	100	effective	100
446	15:25:00	effective	100	effective	100	effective	100
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454	15:33:00	effective	100	effective	100	effective	100
455	15:34:00	effective	100	effective	100	effective	100
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457	15:36:00	effective	75	effective	100	effective	75
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459	15:38:00	effective	75	effective	100	effective	75
460	15:39:00	effective	75	effective	75	ineffective	
461	15:40:00	ineffective		effective	75	ineffective	
462	15:41:00	ineffective		effective	75	ineffective	
463	15:42:00	ineffective		effective	75	ineffective	
464	15:43:00	ineffective		effective	75	ineffective	

465	15:44:00	ineffective	ineffective	ineffective
466	15:45:00	ineffective	ineffective	ineffective
467	15:46:00	ineffective	ineffective	ineffective
468	15:47:00	ineffective	ineffective	ineffective
469	15:48:00	ineffective	ineffective	ineffective
470	15:49:00	ineffective	ineffective	ineffective
471	15:50:00	ineffective	ineffective	ineffective
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473	15:52:00	ineffective	ineffective	ineffective
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475	15:54:00	ineffective	ineffective	ineffective
476	15:55:00	ineffective	ineffective	ineffective
477	15:56:00	ineffective	ineffective	ineffective
478	15:57:00	ineffective	ineffective	ineffective
479	15:58:00	ineffective	ineffective	ineffective
480	15:59:00	ineffective	ineffective	ineffective
481	16:00:00	ineffective	ineffective	ineffective

OBSERVATION SHEET							
No : 6		Waktu mulai : 08.00		Jenis Pekerjaan : Perakitan Dak Keraton			
Tgl : 17/5/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 3.6 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Sri		Pak Jono		Pak Slamet	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		ineffective	
3	8:02:00	ineffective		ineffective		ineffective	
4	8:03:00	ineffective		ineffective		ineffective	
5	8:04:00	ineffective		ineffective		ineffective	
6	8:05:00	ineffective		ineffective		ineffective	
7	8:06:00	ineffective		ineffective		ineffective	
8	8:07:00	ineffective		ineffective		ineffective	
9	8:08:00	ineffective		ineffective		ineffective	
10	8:09:00	ineffective		ineffective		ineffective	
11	8:10:00	ineffective		ineffective		ineffective	
12	8:11:00	ineffective		ineffective		ineffective	
13	8:12:00	ineffective		ineffective		ineffective	
14	8:13:00	ineffective		ineffective		ineffective	
15	8:14:00	ineffective		ineffective		ineffective	
16	8:15:00	ineffective		ineffective		ineffective	
17	8:16:00	ineffective		ineffective		ineffective	
18	8:17:00	ineffective		effective	75	ineffective	
19	8:18:00	ineffective		effective	75	ineffective	
20	8:19:00	ineffective		effective	75	ineffective	
21	8:20:00	effective	75	effective	75	effective	75
22	8:21:00	effective	75	effective	75	effective	75
23	8:22:00	effective	75	effective	75	effective	75
24	8:23:00	effective	75	effective	75	effective	75
25	8:24:00	effective	75	effective	75	effective	75
26	8:25:00	effective	75	effective	75	effective	75
27	8:26:00	effective	75	effective	75	ineffective	
28	8:27:00	effective	75	effective	75	effective	75
29	8:28:00	effective	75	effective	75	effective	75
30	8:29:00	effective	75	effective	100	effective	75
31	8:30:00	effective	75	effective	100	effective	75
32	8:31:00	effective	75	effective	100	effective	75
33	8:32:00	effective	75	effective	100	effective	75
34	8:33:00	effective	75	effective	100	effective	75
35	8:34:00	effective	75	effective	100	effective	75
36	8:35:00	ineffective		effective	100	ineffective	
37	8:36:00	ineffective		effective	100	effective	75
38	8:37:00	effective	75	effective	100	effective	75
39	8:38:00	effective	75	effective	100	effective	75
40	8:39:00	effective	75	effective	100	effective	75
41	8:40:00	effective	75	effective	100	effective	75

42	8:41:00	effective	75	effective	100	effective	75
43	8:42:00	effective	75	effective	100	effective	75
44	8:43:00	effective	75	effective	100	effective	75
45	8:44:00	effective	75	effective	100	effective	75
46	8:45:00	effective	75	effective	100	effective	75
47	8:46:00	effective	75	effective	100	effective	75
48	8:47:00	effective	100	effective	100	effective	75
49	8:48:00	effective	100	effective	100	effective	75
50	8:49:00	effective	100	effective	100	ineffective	
51	8:50:00	effective	100	effective	75	ineffective	
52	8:51:00	effective	100	effective	75	effective	75
53	8:52:00	effective	100	ineffective		effective	75
54	8:53:00	effective	100	ineffective		effective	75
55	8:54:00	effective	100	effective	75	effective	100
56	8:55:00	effective	100	effective	75	effective	100
57	8:56:00	effective	100	effective	100	effective	100
58	8:57:00	effective	100	effective	100	effective	100
59	8:58:00	effective	100	effective	100	effective	100
60	8:59:00	effective	100	effective	100	effective	100
61	9:00:00	effective	100	effective	100	effective	100
62	9:01:00	effective	100	effective	100	effective	100
63	9:02:00	effective	100	effective	100	effective	100
64	9:03:00	effective	100	effective	100	effective	100
65	9:04:00	effective	100	effective	100	effective	100
66	9:05:00	effective	100	effective	100	effective	100
67	9:06:00	effective	75	effective	100	effective	100
68	9:07:00	effective	75	effective	100	effective	100
69	9:08:00	ineffective		effective	100	effective	100
70	9:09:00	ineffective		effective	100	effective	100
71	9:10:00	ineffective		ineffective		effective	100
72	9:11:00	ineffective		effective	100	effective	100
73	9:12:00	effective	75	effective	100	effective	100
74	9:13:00	effective	75	effective	100	effective	100
75	9:14:00	effective	75	effective	100	effective	100
76	9:15:00	effective	100	effective	100	effective	100
77	9:16:00	effective	100	effective	100	effective	100
78	9:17:00	effective	100	effective	100	effective	100
79	9:18:00	effective	100	effective	100	effective	100
80	9:19:00	effective	100	effective	100	effective	100
81	9:20:00	effective	100	effective	100	effective	100
82	9:21:00	effective	100	effective	100	effective	100
83	9:22:00	effective	100	effective	100	effective	100
84	9:23:00	effective	100	effective	100	effective	100
85	9:24:00	effective	100	effective	75	effective	100
86	9:25:00	effective	100	effective	75	effective	100
87	9:26:00	effective	100	ineffective		ineffective	
88	9:27:00	effective	100	ineffective		ineffective	

89	9:28:00	effective	100	ineffective		effective	100
90	9:29:00	effective	100	effective	75	effective	100
91	9:30:00	effective	100	effective	75	effective	100
92	9:31:00	effective	100	effective	75	effective	100
93	9:32:00	effective	100	effective	100	effective	100
94	9:33:00	effective	100	effective	100	effective	100
95	9:34:00	effective	100	effective	100	effective	75
96	9:35:00	effective	100	effective	100	effective	75
97	9:36:00	effective	100	effective	100	effective	75
98	9:37:00	effective	100	effective	100	ineffective	
99	9:38:00	effective	100	effective	100	ineffective	
100	9:39:00	effective	100	effective	100	ineffective	
101	9:40:00	effective	75	effective	100	effective	75
102	9:41:00	effective	75	effective	100	effective	75
103	9:42:00	effective	75	effective	100	effective	75
104	9:43:00	ineffective		effective	100	effective	100
105	9:44:00	ineffective		effective	100	effective	100
106	9:45:00	ineffective		ineffective		effective	100
107	9:46:00	ineffective		effective	100	effective	100
108	9:47:00	effective	75	effective	100	effective	100
109	9:48:00	effective	75	effective	100	effective	100
110	9:49:00	effective	75	effective	100	effective	100
111	9:50:00	effective	100	effective	100	effective	100
112	9:51:00	effective	100	effective	100	effective	100
113	9:52:00	effective	100	effective	100	effective	100
114	9:53:00	effective	100	effective	100	effective	100
115	9:54:00	effective	100	effective	100	effective	100
116	9:55:00	effective	100	effective	100	effective	100
117	9:56:00	effective	100	effective	100	effective	100
118	9:57:00	effective	100	effective	75	effective	100
119	9:58:00	effective	100	ineffective		effective	100
120	9:59:00	effective	100	effective	75	effective	100
121	10:00:00	ineffective	100	effective	75	effective	100
122	10:01:00	effective	100	effective	75	effective	100
123	10:02:00	effective	100	ineffective		effective	100
124	10:03:00	effective	100	ineffective		effective	100
125	10:04:00	effective	100	effective	75	effective	100
126	10:05:00	effective	100	effective	75	effective	100
127	10:06:00	effective	100	effective	75	effective	100
128	10:07:00	effective	100	effective	75	effective	100
129	10:08:00	effective	100	effective	100	effective	100
130	10:09:00	effective	100	effective	100	effective	100
131	10:10:00	effective	100	effective	100	effective	100
132	10:11:00	effective	100	effective	100	effective	100
133	10:12:00	effective	100	effective	100	effective	100
134	10:13:00	effective	100	effective	100	effective	100
135	10:14:00	effective	100	effective	100	effective	75

136	10:15:00	effective	100	effective	100	effective	75
137	10:16:00	effective	75	effective	100	effective	75
138	10:17:00	effective	75	effective	100	effective	75
139	10:18:00	ineffective		effective	100	ineffective	
140	10:19:00	ineffective		effective	100	ineffective	
141	10:20:00	effective	75	effective	100	effective	75
142	10:21:00	effective	75	effective	100	effective	75
143	10:22:00	effective	75	effective	100	effective	75
144	10:23:00	effective	75	effective	100	effective	75
145	10:24:00	effective	75	effective	100	effective	75
146	10:25:00	effective	75	effective	100	effective	100
147	10:26:00	effective	75	effective	100	effective	100
148	10:27:00	effective	75	effective	100	effective	100
149	10:28:00	effective	75	effective	100	effective	100
150	10:29:00	effective	75	effective	100	effective	100
151	10:30:00	ineffective		effective	100	effective	100
152	10:31:00	effective	75	effective	100	effective	100
153	10:32:00	effective	75	effective	100	effective	100
154	10:33:00	effective	75	effective	100	ineffective	
155	10:34:00	effective	75	effective	100	effective	100
156	10:35:00	effective	75	effective	75	effective	100
157	10:36:00	effective	75	effective	75	effective	100
158	10:37:00	effective	75	effective	75	effective	100
159	10:38:00	effective	75	effective	75	effective	100
160	10:39:00	effective	75	effective	75	effective	100
161	10:40:00	effective	75	ineffective		effective	100
162	10:41:00	ineffective		ineffective		effective	100
163	10:42:00	effective	75	ineffective		effective	100
164	10:43:00	effective	75	effective	75	effective	100
165	10:44:00	effective	75	effective	75	effective	100
166	10:45:00	effective	75	effective	75	effective	100
167	10:46:00	effective	75	effective	75	effective	100
168	10:47:00	effective	75	effective	75	effective	100
169	10:48:00	effective	75	ineffective		effective	100
170	10:49:00	effective	75	ineffective		effective	100
171	10:50:00	effective	75	effective	75	effective	75
172	10:51:00	effective	75	effective	75	effective	75
173	10:52:00	ineffective		effective	75	ineffective	
174	10:53:00	effective	75	effective	75	ineffective	
175	10:54:00	effective	75	effective	75	effective	75
176	10:55:00	effective	75	effective	75	effective	75
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179	10:58:00	effective	75	effective	75	effective	100
180	10:59:00	effective	75	effective	75	effective	100
181	11:00:00	effective	75	effective	75	effective	100
182	11:01:00	effective	75	effective	75	effective	100

183	11:02:00	effective	75	effective	75	effective	100
184	11:03:00	effective	75	effective	75	effective	100
185	11:04:00	effective	75	effective	75	effective	100
186	11:05:00	effective	75	effective	75	effective	100
187	11:06:00	effective	75	effective	75	effective	100
188	11:07:00	ineffective		effective	75	effective	100
189	11:08:00	ineffective		effective	75	effective	100
190	11:09:00	ineffective		effective	75	effective	100
191	11:10:00	effective	75	effective	75	effective	100
192	11:11:00	effective	75	ineffective		effective	100
193	11:12:00	effective	75	ineffective		effective	100
194	11:13:00	effective	75	effective	75	effective	100
195	11:14:00	effective	75	effective	75	effective	100
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197	11:16:00	effective	75	effective	75	effective	100
198	11:17:00	effective	75	effective	75	effective	100
199	11:18:00	effective	75	effective	75	effective	100
200	11:19:00	effective	75	effective	75	effective	75
201	11:20:00	effective	75	effective	75	effective	75
202	11:21:00	effective	75	effective	75	effective	75
203	11:22:00	effective	75	effective	75	effective	75
204	11:23:00	effective	75	effective	75	ineffective	
205	11:24:00	effective	75	effective	75	effective	75
206	11:25:00	effective	75	effective	75	effective	75
207	11:26:00	effective	75	effective	75	effective	75
208	11:27:00	effective	75	effective	75	effective	75
209	11:28:00	effective	75	effective	75	effective	75
210	11:29:00	effective	75	effective	75	effective	75
211	11:30:00	ineffective		ineffective		ineffective	
212	11:31:00	effective	75	effective	75	ineffective	
213	11:32:00	effective	75	effective	75	ineffective	
214	11:33:00	effective	75	effective	75	effective	75
215	11:34:00	effective	75	effective	75	effective	75
216	11:35:00	ineffective		effective	75	effective	75
217	11:36:00	effective	75	effective	75	effective	75
218	11:37:00	effective	75	effective	75	effective	75
219	11:38:00	effective	75	effective	75	effective	75
220	11:39:00	effective	75	effective	75	effective	75
221	11:40:00	effective	75	effective	75	effective	75
222	11:41:00	effective	75	effective	75	effective	75
223	11:42:00	effective	75	ineffective		effective	75
224	11:43:00	effective	75	ineffective		effective	75
225	11:44:00	effective	75	ineffective		ineffective	
226	11:45:00	effective	75	ineffective		ineffective	
227	11:46:00	effective	75	ineffective		ineffective	
228	11:47:00	ineffective		ineffective		ineffective	
229	11:48:00	ineffective		ineffective		ineffective	

230	11:49:00	ineffective	ineffective	ineffective
231	11:50:00	ineffective	ineffective	ineffective
232	11:51:00	ineffective	ineffective	ineffective
233	11:52:00	ineffective	ineffective	ineffective
234	11:53:00	ineffective	ineffective	ineffective
235	11:54:00	ineffective	ineffective	ineffective
236	11:55:00	ineffective	ineffective	ineffective
237	11:56:00	ineffective	ineffective	ineffective
238	11:57:00	ineffective	ineffective	ineffective
239	11:58:00	ineffective	ineffective	ineffective
240	11:59:00	ineffective	ineffective	ineffective
241	12:00:00	ineffective	ineffective	ineffective
242	12:01:00	ineffective	ineffective	ineffective
243	12:02:00	ineffective	ineffective	ineffective
244	12:03:00	ineffective	ineffective	ineffective
245	12:04:00	ineffective	ineffective	ineffective
246	12:05:00	ineffective	ineffective	ineffective
247	12:06:00	ineffective	ineffective	ineffective
248	12:07:00	ineffective	ineffective	ineffective
249	12:08:00	ineffective	ineffective	ineffective
250	12:09:00	ineffective	ineffective	ineffective
251	12:10:00	ineffective	ineffective	ineffective
252	12:11:00	ineffective	ineffective	ineffective
253	12:12:00	ineffective	ineffective	ineffective
254	12:13:00	ineffective	ineffective	ineffective
255	12:14:00	ineffective	ineffective	ineffective
256	12:15:00	ineffective	ineffective	ineffective
257	12:16:00	ineffective	ineffective	ineffective
258	12:17:00	ineffective	ineffective	ineffective
259	12:18:00	ineffective	ineffective	ineffective
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261	12:20:00	ineffective	ineffective	ineffective
262	12:21:00	ineffective	ineffective	ineffective
263	12:22:00	ineffective	ineffective	ineffective
264	12:23:00	ineffective	ineffective	ineffective
265	12:24:00	ineffective	ineffective	ineffective
266	12:25:00	ineffective	ineffective	ineffective
267	12:26:00	ineffective	ineffective	ineffective
268	12:27:00	ineffective	ineffective	ineffective
269	12:28:00	ineffective	ineffective	ineffective
270	12:29:00	ineffective	ineffective	ineffective
271	12:30:00	ineffective	ineffective	ineffective
272	12:31:00	ineffective	ineffective	ineffective
273	12:32:00	ineffective	ineffective	ineffective
274	12:33:00	ineffective	ineffective	ineffective
275	12:34:00	ineffective	ineffective	ineffective
276	12:35:00	ineffective	ineffective	ineffective

277	12:36:00	ineffective		ineffective		ineffective	
278	12:37:00	ineffective		ineffective		ineffective	
279	12:38:00	ineffective		ineffective		ineffective	
280	12:39:00	ineffective		ineffective		ineffective	
281	12:40:00	ineffective		ineffective		ineffective	
282	12:41:00	ineffective		ineffective		ineffective	
283	12:42:00	ineffective		ineffective		ineffective	
284	12:43:00	ineffective		ineffective		ineffective	
285	12:44:00	ineffective		ineffective		ineffective	
286	12:45:00	ineffective		ineffective		ineffective	
287	12:46:00	ineffective		ineffective		ineffective	
288	12:47:00	ineffective		ineffective		ineffective	
289	12:48:00	ineffective		ineffective		ineffective	
290	12:49:00	ineffective		ineffective		ineffective	
291	12:50:00	ineffective		ineffective		ineffective	
292	12:51:00	ineffective		ineffective		ineffective	
293	12:52:00	ineffective		ineffective		ineffective	
294	12:53:00	ineffective		ineffective		ineffective	
295	12:54:00	ineffective		ineffective		ineffective	
296	12:55:00	ineffective		ineffective		ineffective	
297	12:56:00	ineffective		ineffective		ineffective	
298	12:57:00	ineffective		ineffective		ineffective	
299	12:58:00	ineffective		ineffective		ineffective	
300	12:59:00	ineffective		ineffective		ineffective	
301	13:00:00	ineffective		ineffective		ineffective	
302	13:01:00	ineffective		ineffective		ineffective	
303	13:02:00	ineffective		ineffective		ineffective	
304	13:03:00	effective	75	effective	75	effective	75
305	13:04:00	effective	75	effective	75	effective	75
306	13:05:00	effective	75	effective	75	effective	75
307	13:06:00	effective	75	effective	75	effective	75
308	13:07:00	effective	75	effective	75	effective	75
309	13:08:00	effective	75	effective	75	effective	75
310	13:09:00	effective	75	effective	75	effective	75
311	13:10:00	ineffective		effective	75	effective	75
312	13:11:00	ineffective		effective	75	effective	75
313	13:12:00	effective	75	effective	75	effective	75
314	13:13:00	effective	75	effective	75	effective	75
315	13:14:00	effective	75	effective	75	effective	75
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318	13:17:00	effective	75	effective	75	effective	75
319	13:18:00	effective	75	ineffective		effective	75
320	13:19:00	effective	75	effective	75	effective	75
321	13:20:00	effective	75	effective	75	effective	75
322	13:21:00	effective	75	effective	75	effective	100
323	13:22:00	ineffective		effective	75	effective	100

324	13:23:00	ineffective		effective	75	effective	100
325	13:24:00	effective	75	effective	75	effective	100
326	13:25:00	effective	75	effective	75	effective	100
327	13:26:00	ineffective		effective	75	effective	100
328	13:27:00	effective	75	effective	75	effective	100
329	13:28:00	effective	75	effective	75	effective	100
330	13:29:00	effective	75	ineffective		effective	100
331	13:30:00	effective	75	ineffective		ineffective	
332	13:31:00	ineffective		effective	75	effective	100
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334	13:33:00	effective	75	effective	75	effective	100
335	13:34:00	effective	75	effective	100	effective	100
336	13:35:00	effective	100	effective	100	effective	100
337	13:36:00	effective	100	effective	100	effective	100
338	13:37:00	effective	100	effective	100	effective	100
339	13:38:00	effective	100	effective	100	effective	100
340	13:39:00	effective	100	effective	100	effective	100
341	13:40:00	effective	100	effective	100	effective	100
342	13:41:00	effective	100	effective	100	effective	100
343	13:42:00	effective	100	effective	100	effective	100
344	13:43:00	effective	100	effective	100	effective	100
345	13:44:00	effective	100	effective	100	effective	100
346	13:45:00	effective	100	effective	100	effective	100
347	13:46:00	effective	100	effective	100	ineffective	
348	13:47:00	effective	100	effective	100	effective	100
349	13:48:00	effective	100	effective	100	effective	100
350	13:49:00	effective	100	effective	100	effective	100
351	13:50:00	effective	100	effective	100	effective	100
352	13:51:00	effective	100	effective	100	effective	100
353	13:52:00	effective	100	effective	100	effective	100
354	13:53:00	effective	100	effective	100	effective	100
355	13:54:00	effective	100	ineffective		effective	100
356	13:55:00	effective	100	effective	100	effective	100
357	13:56:00	effective	100	effective	100	effective	100
358	13:57:00	effective	100	effective	100	effective	75
359	13:58:00	effective	100	effective	100	ineffective	
360	13:59:00	effective	100	effective	100	effective	75
361	14:00:00	effective	100	effective	100	effective	75
362	14:01:00	effective	100	effective	100	effective	75
363	14:02:00	effective	100	effective	100	effective	75
364	14:03:00	effective	100	effective	100	ineffective	
365	14:04:00	effective	100	effective	100	effective	75
366	14:05:00	effective	100	effective	75	effective	75
367	14:06:00	effective	100	effective	75	ineffective	
368	14:07:00	effective	100	ineffective		effective	75
369	14:08:00	effective	100	ineffective		effective	75
370	14:09:00	effective	100	ineffective		effective	75

371	14:10:00	effective	100	effective	75	effective	75
372	14:11:00	effective	75	effective	75	effective	75
373	14:12:00	effective	75	effective	75	ineffective	
374	14:13:00	effective	75	effective	100	ineffective	
375	14:14:00	effective	75	effective	100	ineffective	
376	14:15:00	ineffective		effective	100	effective	75
377	14:16:00	ineffective		effective	100	effective	75
378	14:17:00	effective	75	effective	100	effective	75
379	14:18:00	effective	75	effective	100	effective	75
380	14:19:00	effective	100	effective	100	effective	75
381	14:20:00	effective	100	effective	100	effective	75
382	14:21:00	effective	100	effective	100	effective	100
383	14:22:00	effective	100	effective	100	effective	100
384	14:23:00	effective	100	effective	100	effective	100
385	14:24:00	effective	100	effective	100	effective	100
386	14:25:00	effective	100	effective	100	effective	100
387	14:26:00	effective	100	effective	100	effective	100
388	14:27:00	effective	100	effective	100	effective	100
389	14:28:00	effective	100	effective	100	effective	100
390	14:29:00	effective	100	effective	75	effective	100
391	14:30:00	effective	100	effective	75	effective	100
392	14:31:00	effective	100	ineffective		effective	100
393	14:32:00	effective	75	ineffective		effective	100
394	14:33:00	ineffective		effective	75	effective	100
395	14:34:00	effective	75	effective	75	effective	100
396	14:35:00	effective	75	effective	100	effective	100
397	14:36:00	effective	75	effective	100	effective	100
398	14:37:00	effective	75	effective	100	effective	100
399	14:38:00	ineffective		effective	100	ineffective	
400	14:39:00	ineffective		effective	100	effective	100
401	14:40:00	effective	75	effective	100	effective	100
402	14:41:00	effective	75	effective	100	effective	100
403	14:42:00	effective	100	effective	100	effective	100
404	14:43:00	effective	100	effective	100	effective	100
405	14:44:00	effective	100	effective	100	effective	100
406	14:45:00	effective	100	effective	100	effective	100
407	14:46:00	effective	100	effective	100	effective	100
408	14:47:00	effective	100	effective	100	effective	100
409	14:48:00	effective	100	effective	100	effective	100
410	14:49:00	effective	100	effective	100	effective	100
411	14:50:00	effective	100	effective	100	effective	100
412	14:51:00	effective	100	effective	100	effective	100
413	14:52:00	effective	100	effective	100	effective	100
414	14:53:00	effective	100	effective	75	effective	100
415	14:54:00	effective	100	effective	75	effective	100
416	14:55:00	effective	75	effective	75	effective	100
417	14:56:00	effective	75	effective	75	effective	100

418	14:57:00	effective	75	effective	75	effective	75
419	14:58:00	ineffective		effective	75	effective	75
420	14:59:00	ineffective		effective	75	effective	75
421	15:00:00	ineffective		effective	75	effective	75
422	15:01:00	effective	75	effective	75	effective	75
423	15:02:00	effective	75	ineffective		effective	75
424	15:03:00	effective	75	ineffective		ineffective	
425	15:04:00	effective	75	effective	75	ineffective	
426	15:05:00	effective	75	effective	75	effective	75
427	15:06:00	effective	75	effective	75	effective	75
428	15:07:00	effective	75	effective	100	effective	75
429	15:08:00	effective	75	effective	100	effective	75
430	15:09:00	effective	75	effective	100	effective	75
431	15:10:00	effective	75	effective	100	effective	75
432	15:11:00	effective	75	effective	100	effective	75
433	15:12:00	effective	75	effective	100	effective	75
434	15:13:00	effective	75	effective	100	effective	75
435	15:14:00	effective	75	effective	100	effective	75
436	15:15:00	effective	75	effective	100	effective	75
437	15:16:00	effective	75	effective	100	effective	75
438	15:17:00	effective	75	effective	100	effective	75
439	15:18:00	effective	75	effective	100	effective	75
440	15:19:00	ineffective		effective	100	effective	75
441	15:20:00	effective	75	effective	75	effective	75
442	15:21:00	effective	75	effective	75	effective	75
443	15:22:00	effective	75	effective	75	effective	75
444	15:23:00	effective	75	effective	75	effective	75
445	15:24:00	effective	75	effective	75	effective	75
446	15:25:00	ineffective		effective	75	effective	75
447	15:26:00	ineffective		effective	75	ineffective	
448	15:27:00	ineffective		effective	75	ineffective	
449	15:28:00	ineffective		ineffective		ineffective	
450	15:29:00	ineffective		effective	75	effective	75
451	15:30:00	effective	75	effective	75	effective	75
452	15:31:00	effective	75	effective	75	effective	75
453	15:32:00	effective	75	effective	75	effective	75
454	15:33:00	effective	75	effective	75	effective	75
455	15:34:00	effective	75	effective	75	effective	75
456	15:35:00	effective	75	effective	75	effective	75
457	15:36:00	effective	75	effective	75	effective	75
458	15:37:00	effective	75	effective	75	effective	75
459	15:38:00	effective	75	effective	75	effective	75
460	15:39:00	effective	75	effective	75	effective	75
461	15:40:00	effective	75	effective	75	effective	75
462	15:41:00	effective	75	effective	75	effective	75
463	15:42:00	effective	75	effective	75	effective	75
464	15:43:00	effective	75	effective	75	effective	75

465	15:44:00	effective	75	ineffective		effective	75
466	15:45:00	effective	75	ineffective		effective	75
467	15:46:00	effective	75	effective	75	effective	75
468	15:47:00	effective	75	effective	75	effective	75
469	15:48:00	effective	75	effective	75	effective	75
470	15:49:00	effective	75	effective	75	effective	75
471	15:50:00	effective	75	effective	75	effective	75
472	15:51:00	effective	75	effective	75	ineffective	
473	15:52:00	ineffective		effective	75	ineffective	
474	15:53:00	ineffective		effective	75	ineffective	
475	15:54:00	ineffective		ineffective		ineffective	
476	15:55:00	ineffective		ineffective		ineffective	
477	15:56:00	ineffective		ineffective		ineffective	
478	15:57:00	ineffective		ineffective		ineffective	
479	15:58:00	ineffective		ineffective		ineffective	
480	15:59:00	ineffective		ineffective		ineffective	
481	16:00:00	ineffective		ineffective		ineffective	

OBSERVATION SHEET							
No : 7		Waktu mulai : 08.00		Jenis Pekerjaan : Lifting+Cor			
Tgl : 16/4/12		Waktu selesai : 16.00		Cuaca : Panas		Luasan : 12.6 m2	
No.	Waktu	Tukang/Pekerja					
		Pak Sri		Pak Jono		Pak Slamet	
		ATC	Rating	ATC	Rating	ATC	Rating
1	8:00:00	ineffective		ineffective		ineffective	
2	8:01:00	ineffective		ineffective		ineffective	
3	8:02:00	ineffective		ineffective		ineffective	
4	8:03:00	ineffective		ineffective		ineffective	
5	8:04:00	ineffective		ineffective		ineffective	
6	8:05:00	effective	75	effective	75	effective	75
7	8:06:00	effective	75	effective	75	effective	75
8	8:07:00	effective	75	effective	75	effective	75
9	8:08:00	effective	75	effective	75	effective	75
10	8:09:00	effective	75	effective	75	effective	75
11	8:10:00	effective	75	effective	75	effective	75
12	8:11:00	effective	75	effective	75	effective	75
13	8:12:00	effective	75	effective	75	ineffective	
14	8:13:00	effective	75	effective	75	ineffective	
15	8:14:00	effective	75	effective	75	effective	75
16	8:15:00	effective	75	effective	75	effective	75
17	8:16:00	effective	75	effective	75	effective	75
18	8:17:00	effective	75	effective	75	effective	75
19	8:18:00	effective	75	effective	75	effective	75
20	8:19:00	effective	75	effective	75	effective	75
21	8:20:00	ineffective		ineffective		effective	75
22	8:21:00	effective	75	effective	75	effective	100
23	8:22:00	effective	75	effective	75	effective	100
24	8:23:00	effective	75	effective	100	effective	100
25	8:24:00	effective	100	effective	100	effective	100
26	8:25:00	effective	100	effective	100	effective	100
27	8:26:00	effective	100	effective	100	effective	100
28	8:27:00	effective	100	effective	100	effective	100
29	8:28:00	effective	100	effective	100	effective	100
30	8:29:00	effective	100	effective	100	effective	100
31	8:30:00	effective	100	effective	100	effective	100
32	8:31:00	effective	100	effective	100	effective	100
33	8:32:00	effective	100	effective	100	effective	100
34	8:33:00	effective	100	effective	100	effective	100
35	8:34:00	effective	100	effective	100	effective	100
36	8:35:00	effective	100	effective	100	ineffective	
37	8:36:00	ineffective		effective	100	effective	75
38	8:37:00	ineffective		effective	100	effective	75
39	8:38:00	ineffective		effective	100	effective	75
40	8:39:00	effective	75	ineffective		ineffective	
41	8:40:00	effective	75	ineffective		ineffective	

42	8:41:00	ineffective		ineffective		effective	75
43	8:42:00	ineffective		ineffective		effective	75
44	8:43:00	effective	100	effective	100	effective	75
45	8:44:00	effective	100	effective	100	effective	75
46	8:45:00	effective	100	effective	100	effective	75
47	8:46:00	effective	100	effective	100	effective	100
48	8:47:00	effective	100	effective	100	effective	100
49	8:48:00	effective	100	effective	100	effective	100
50	8:49:00	effective	100	effective	100	effective	100
51	8:50:00	effective	100	effective	100	effective	100
52	8:51:00	effective	100	effective	100	effective	100
53	8:52:00	effective	100	effective	100	effective	100
54	8:53:00	effective	100	effective	100	effective	100
55	8:54:00	effective	100	ineffective		effective	100
56	8:55:00	effective	100	effective	100	effective	100
57	8:56:00	effective	100	effective	100	effective	100
58	8:57:00	effective	100	effective	100	effective	100
59	8:58:00	ineffective		ineffective		effective	100
60	8:59:00	effective	100	effective	100	effective	100
61	9:00:00	effective	100	effective	100	effective	100
62	9:01:00	effective	100	effective	100	effective	100
63	9:02:00	effective	100	effective	100	effective	100
64	9:03:00	effective	100	effective	100	effective	100
65	9:04:00	effective	100	effective	100	effective	100
66	9:05:00	effective	100	effective	100	effective	100
67	9:06:00	effective	100	effective	100	effective	100
68	9:07:00	effective	100	effective	100	effective	100
69	9:08:00	effective	100	effective	100	effective	100
70	9:09:00	effective	100	effective	100	effective	100
71	9:10:00	effective	100	effective	100	effective	100
72	9:11:00	effective	100	effective	100	effective	100
73	9:12:00	effective	100	effective	100	effective	100
74	9:13:00	effective	100	effective	100	ineffective	
75	9:14:00	ineffective		effective	100	ineffective	
76	9:15:00	ineffective		effective	100	ineffective	
77	9:16:00	ineffective		ineffective		effective	100
78	9:17:00	effective	100	ineffective		effective	100
79	9:18:00	effective	100	effective	100	effective	100
80	9:19:00	effective	100	effective	100	effective	100
81	9:20:00	effective	100	effective	100	effective	100
82	9:21:00	effective	100	effective	100	effective	100
83	9:22:00	effective	100	effective	100	effective	100
84	9:23:00	effective	100	effective	100	effective	100
85	9:24:00	effective	100	effective	100	effective	100
86	9:25:00	effective	100	effective	100	effective	100
87	9:26:00	effective	100	effective	100	ineffective	
88	9:27:00	effective	100	effective	100	effective	100

89	9:28:00	effective	100	effective	100	effective	100
90	9:29:00	effective	100	effective	100	effective	100
91	9:30:00	effective	100	effective	100	effective	100
92	9:31:00	effective	100	effective	100	effective	100
93	9:32:00	ineffective		ineffective		effective	100
94	9:33:00	effective	100	effective	100	effective	100
95	9:34:00	effective	100	effective	100	effective	100
96	9:35:00	effective	100	effective	100	effective	100
97	9:36:00	effective	100	effective	100	effective	100
98	9:37:00	effective	100	effective	100	effective	100
99	9:38:00	effective	100	effective	100	effective	100
100	9:39:00	effective	100	effective	100	effective	100
101	9:40:00	effective	100	effective	100	effective	100
102	9:41:00	effective	100	effective	100	effective	100
103	9:42:00	effective	100	effective	100	effective	100
104	9:43:00	effective	100	effective	100	effective	100
105	9:44:00	effective	100	effective	100	ineffective	
106	9:45:00	effective	100	effective	100	ineffective	
107	9:46:00	effective	100	effective	100	ineffective	
108	9:47:00	effective	100	effective	100	ineffective	
109	9:48:00	ineffective		effective	100	effective	100
110	9:49:00	ineffective		ineffective		effective	100
111	9:50:00	effective	100	ineffective		effective	100
112	9:51:00	effective	100	ineffective		effective	100
113	9:52:00	effective	100	effective	100	effective	100
114	9:53:00	effective	100	effective	100	effective	100
115	9:54:00	effective	100	effective	100	effective	100
116	9:55:00	effective	100	effective	100	effective	100
117	9:56:00	effective	100	effective	100	effective	100
118	9:57:00	effective	100	effective	100	effective	100
119	9:58:00	effective	100	effective	100	effective	100
120	9:59:00	effective	100	effective	100	effective	100
121	10:00:00	effective	100	effective	100	effective	100
122	10:01:00	effective	100	effective	100	effective	100
123	10:02:00	effective	100	effective	100	effective	100
124	10:03:00	effective	100	effective	100	effective	100
125	10:04:00	effective	100	effective	100	effective	100
126	10:05:00	ineffective		ineffective		ineffective	
127	10:06:00	ineffective		ineffective		ineffective	
128	10:07:00	effective	100	effective	100	effective	100
129	10:08:00	effective	100	effective	100	effective	100
130	10:09:00	effective	100	effective	100	effective	100
131	10:10:00	effective	100	effective	100	effective	100
132	10:11:00	effective	100	effective	100	effective	100
133	10:12:00	effective	100	effective	100	effective	100
134	10:13:00	effective	100	effective	100	effective	100
135	10:14:00	effective	100	effective	100	effective	100

136	10:15:00	effective	100	effective	100	effective	100
137	10:16:00	effective	100	effective	100	effective	100
138	10:17:00	effective	100	effective	100	effective	100
139	10:18:00	effective	100	effective	100	effective	100
140	10:19:00	effective	100	effective	100	effective	100
141	10:20:00	effective	100	effective	100	ineffective	
142	10:21:00	ineffective		effective	100	ineffective	
143	10:22:00	ineffective		effective	100	ineffective	
144	10:23:00	ineffective		ineffective		ineffective	
145	10:24:00	ineffective		ineffective		effective	75
146	10:25:00	ineffective		ineffective		effective	75
147	10:26:00	effective	75	effective	75	effective	75
148	10:27:00	effective	75	effective	75	effective	75
149	10:28:00	effective	75	effective	75	effective	75
150	10:29:00	effective	100	effective	75	effective	75
151	10:30:00	effective	100	effective	100	effective	100
152	10:31:00	effective	100	effective	100	effective	100
153	10:32:00	effective	100	effective	100	effective	100
154	10:33:00	effective	100	effective	100	effective	100
155	10:34:00	effective	100	effective	100	ineffective	
156	10:35:00	effective	100	effective	100	effective	100
157	10:36:00	effective	100	effective	100	effective	100
158	10:37:00	effective	100	effective	100	effective	100
159	10:38:00	effective	100	effective	100	effective	100
160	10:39:00	effective	100	effective	100	effective	100
161	10:40:00	effective	100	effective	100	effective	100
162	10:41:00	ineffective		ineffective		effective	100
163	10:42:00	effective	100	effective	100	effective	100
164	10:43:00	effective	100	effective	100	effective	100
165	10:44:00	effective	100	effective	100	effective	100
166	10:45:00	effective	100	effective	100	effective	100
167	10:46:00	effective	100	effective	100	effective	100
168	10:47:00	effective	100	effective	100	ineffective	
169	10:48:00	effective	100	effective	100	ineffective	
170	10:49:00	effective	100	effective	100	effective	100
171	10:50:00	effective	100	effective	100	effective	100
172	10:51:00	effective	100	effective	100	effective	100
173	10:52:00	effective	100	effective	100	effective	100
174	10:53:00	effective	100	effective	100	effective	100
175	10:54:00	effective	100	effective	100	effective	100
176	10:55:00	effective	100	effective	100	effective	100
177	10:56:00	effective	100	ineffective		ineffective	
178	10:57:00	effective	100	ineffective		ineffective	
179	10:58:00	effective	100	effective	100	effective	100
180	10:59:00	effective	100	effective	100	effective	100
181	11:00:00	ineffective		effective	100	effective	100
182	11:01:00	ineffective		effective	100	effective	100

183	11:02:00	effective	100	effective	100	effective	100
184	11:03:00	effective	100	effective	100	effective	100
185	11:04:00	effective	100	effective	100	effective	100
186	11:05:00	effective	100	effective	100	effective	100
187	11:06:00	effective	100	effective	100	effective	100
188	11:07:00	effective	100	effective	100	effective	100
189	11:08:00	effective	100	effective	100	effective	100
190	11:09:00	effective	100	effective	100	effective	100
191	11:10:00	effective	100	effective	100	effective	100
192	11:11:00	effective	100	effective	100	effective	100
193	11:12:00	effective	100	effective	100	effective	100
194	11:13:00	effective	100	effective	100	effective	100
195	11:14:00	effective	100	effective	100	effective	100
196	11:15:00	effective	100	effective	100	effective	100
197	11:16:00	effective	100	effective	100	ineffective	
198	11:17:00	ineffective		ineffective		ineffective	
199	11:18:00	effective	100	effective	100	ineffective	
200	11:19:00	effective	100	effective	100	effective	100
201	11:20:00	effective	100	effective	100	effective	100
202	11:21:00	effective	100	effective	100	effective	100
203	11:22:00	effective	100	effective	100	effective	100
204	11:23:00	effective	100	effective	100	effective	100
205	11:24:00	effective	100	effective	100	effective	100
206	11:25:00	effective	100	effective	100	effective	100
207	11:26:00	effective	100	effective	100	effective	100
208	11:27:00	effective	100	effective	100	effective	100
209	11:28:00	effective	100	effective	100	effective	100
210	11:29:00	effective	100	effective	100	effective	100
211	11:30:00	effective	100	effective	100	effective	100
212	11:31:00	effective	100	effective	100	effective	100
213	11:32:00	effective	100	effective	100	ineffective	
214	11:33:00	effective	100	effective	100	effective	75
215	11:34:00	effective	100	effective	100	effective	75
216	11:35:00	effective	100	effective	100	effective	75
217	11:36:00	effective	75	effective	75	effective	75
218	11:37:00	effective	75	effective	75	effective	75
219	11:38:00	effective	75	effective	75	effective	75
220	11:39:00	ineffective		ineffective		ineffective	
221	11:40:00	ineffective		ineffective		ineffective	
222	11:41:00	ineffective		ineffective		ineffective	
223	11:42:00	ineffective		ineffective		ineffective	
224	11:43:00	ineffective		ineffective		ineffective	
225	11:44:00	ineffective		ineffective		ineffective	
226	11:45:00	ineffective		ineffective		ineffective	
227	11:46:00	ineffective		ineffective		ineffective	
228	11:47:00	ineffective		ineffective		ineffective	
229	11:48:00	ineffective		ineffective		ineffective	

230	11:49:00	ineffective	ineffective	ineffective
231	11:50:00	ineffective	ineffective	ineffective
232	11:51:00	ineffective	ineffective	ineffective
233	11:52:00	ineffective	ineffective	ineffective
234	11:53:00	ineffective	ineffective	ineffective
235	11:54:00	ineffective	ineffective	ineffective
236	11:55:00	ineffective	ineffective	ineffective
237	11:56:00	ineffective	ineffective	ineffective
238	11:57:00	ineffective	ineffective	ineffective
239	11:58:00	ineffective	ineffective	ineffective
240	11:59:00	ineffective	ineffective	ineffective
241	12:00:00	ineffective	ineffective	ineffective
242	12:01:00	ineffective	ineffective	ineffective
243	12:02:00	ineffective	ineffective	ineffective
244	12:03:00	ineffective	ineffective	ineffective
245	12:04:00	ineffective	ineffective	ineffective
246	12:05:00	ineffective	ineffective	ineffective
247	12:06:00	ineffective	ineffective	ineffective
248	12:07:00	ineffective	ineffective	ineffective
249	12:08:00	ineffective	ineffective	ineffective
250	12:09:00	ineffective	ineffective	ineffective
251	12:10:00	ineffective	ineffective	ineffective
252	12:11:00	ineffective	ineffective	ineffective
253	12:12:00	ineffective	ineffective	ineffective
254	12:13:00	ineffective	ineffective	ineffective
255	12:14:00	ineffective	ineffective	ineffective
256	12:15:00	ineffective	ineffective	ineffective
257	12:16:00	ineffective	ineffective	ineffective
258	12:17:00	ineffective	ineffective	ineffective
259	12:18:00	ineffective	ineffective	ineffective
260	12:19:00	ineffective	ineffective	ineffective
261	12:20:00	ineffective	ineffective	ineffective
262	12:21:00	ineffective	ineffective	ineffective
263	12:22:00	ineffective	ineffective	ineffective
264	12:23:00	ineffective	ineffective	ineffective
265	12:24:00	ineffective	ineffective	ineffective
266	12:25:00	ineffective	ineffective	ineffective
267	12:26:00	ineffective	ineffective	ineffective
268	12:27:00	ineffective	ineffective	ineffective
269	12:28:00	ineffective	ineffective	ineffective
270	12:29:00	ineffective	ineffective	ineffective
271	12:30:00	ineffective	ineffective	ineffective
272	12:31:00	ineffective	ineffective	ineffective
273	12:32:00	ineffective	ineffective	ineffective
274	12:33:00	ineffective	ineffective	ineffective
275	12:34:00	ineffective	ineffective	ineffective
276	12:35:00	ineffective	ineffective	ineffective

277	12:36:00	ineffective		ineffective		ineffective	
278	12:37:00	ineffective		ineffective		ineffective	
279	12:38:00	ineffective		ineffective		ineffective	
280	12:39:00	ineffective		ineffective		ineffective	
281	12:40:00	ineffective		ineffective		ineffective	
282	12:41:00	ineffective		ineffective		ineffective	
283	12:42:00	ineffective		ineffective		ineffective	
284	12:43:00	ineffective		ineffective		ineffective	
285	12:44:00	ineffective		ineffective		ineffective	
286	12:45:00	ineffective		ineffective		ineffective	
287	12:46:00	ineffective		ineffective		ineffective	
288	12:47:00	ineffective		ineffective		ineffective	
289	12:48:00	ineffective		ineffective		ineffective	
290	12:49:00	ineffective		ineffective		ineffective	
291	12:50:00	ineffective		ineffective		ineffective	
292	12:51:00	ineffective		ineffective		ineffective	
293	12:52:00	ineffective		ineffective		ineffective	
294	12:53:00	ineffective		ineffective		ineffective	
295	12:54:00	ineffective		ineffective		ineffective	
296	12:55:00	ineffective		ineffective		ineffective	
297	12:56:00	ineffective		ineffective		ineffective	
298	12:57:00	ineffective		ineffective		ineffective	
299	12:58:00	ineffective		ineffective		ineffective	
300	12:59:00	ineffective		ineffective		ineffective	
301	13:00:00	ineffective		ineffective		ineffective	
302	13:01:00	ineffective		ineffective		ineffective	
303	13:02:00	effective	75	ineffective		ineffective	
304	13:03:00	effective	75	ineffective		ineffective	
305	13:04:00	effective	75	effective	75	effective	75
306	13:05:00	effective	75	effective	75	effective	75
307	13:06:00	effective	75	effective	75	effective	75
308	13:07:00	effective	75	effective	75	effective	75
309	13:08:00	effective	75	effective	75	effective	75
310	13:09:00	effective	75	effective	75	effective	75
311	13:10:00	effective	75	effective	75	effective	75
312	13:11:00	effective	75	effective	75	effective	75
313	13:12:00	effective	75	effective	75	effective	75
314	13:13:00	effective	75	effective	75	effective	75
315	13:14:00	effective	75	effective	75	effective	75
316	13:15:00	effective	75	effective	100	effective	75
317	13:16:00	effective	75	effective	100	effective	75
318	13:17:00	effective	75	effective	100	effective	75
319	13:18:00	effective	75	effective	100	effective	75
320	13:19:00	effective	75	effective	100	effective	75
321	13:20:00	effective	75	effective	100	effective	75
322	13:21:00	ineffective		ineffective		ineffective	
323	13:22:00	ineffective		effective	100	ineffective	

324	13:23:00	effective	75	effective	100	effective	75
325	13:24:00	effective	75	effective	100	effective	75
326	13:25:00	effective	75	effective	100	effective	75
327	13:26:00	effective	75	effective	100	effective	100
328	13:27:00	effective	75	effective	100	effective	100
329	13:28:00	effective	75	effective	100	effective	100
330	13:29:00	effective	75	effective	100	effective	100
331	13:30:00	effective	75	effective	100	effective	100
332	13:31:00	effective	75	effective	100	effective	100
333	13:32:00	effective	75	effective	100	effective	100
334	13:33:00	effective	75	effective	100	effective	100
335	13:34:00	effective	75	effective	100	effective	100
336	13:35:00	effective	75	effective	100	effective	100
337	13:36:00	effective	75	effective	100	ineffective	
338	13:37:00	ineffective		effective	100	effective	100
339	13:38:00	ineffective		effective	100	effective	100
340	13:39:00	ineffective		effective	100	effective	100
341	13:40:00	effective	75	effective	100	effective	100
342	13:41:00	effective	75	effective	100	effective	100
343	13:42:00	effective	75	effective	100	effective	100
344	13:43:00	effective	100	effective	100	effective	100
345	13:44:00	effective	100	effective	100	effective	100
346	13:45:00	effective	100	effective	100	effective	100
347	13:46:00	effective	100	effective	100	effective	100
348	13:47:00	effective	100	effective	100	effective	100
349	13:48:00	effective	100	effective	100	effective	100
350	13:49:00	effective	100	effective	100	effective	100
351	13:50:00	effective	100	effective	100	effective	100
352	13:51:00	effective	100	effective	100	effective	100
353	13:52:00	effective	100	effective	100	effective	100
354	13:53:00	effective	100	effective	100	effective	100
355	13:54:00	effective	100	effective	100	effective	100
356	13:55:00	effective	100	effective	100	effective	100
357	13:56:00	effective	100	effective	100	effective	100
358	13:57:00	ineffective		effective	75	effective	75
359	13:58:00	ineffective		effective	75	effective	75
360	13:59:00	ineffective		ineffective		ineffective	
361	14:00:00	ineffective		ineffective		ineffective	
362	14:01:00	ineffective		ineffective		ineffective	
363	14:02:00	effective	75	effective	75	effective	75
364	14:03:00	effective	75	effective	75	effective	75
365	14:04:00	effective	100	effective	75	effective	75
366	14:05:00	effective	100	effective	75	effective	75
367	14:06:00	effective	100	effective	75	effective	100
368	14:07:00	effective	100	effective	75	effective	100
369	14:08:00	effective	100	effective	100	effective	100
370	14:09:00	effective	100	effective	100	effective	100

371	14:10:00	effective	100	effective	100	effective	100
372	14:11:00	effective	100	effective	100	effective	100
373	14:12:00	effective	100	effective	100	ineffective	
374	14:13:00	effective	100	effective	100	effective	100
375	14:14:00	effective	100	effective	100	effective	100
376	14:15:00	effective	100	effective	100	effective	100
377	14:16:00	effective	100	effective	100	effective	100
378	14:17:00	effective	100	effective	100	effective	100
379	14:18:00	effective	100	effective	100	effective	100
380	14:19:00	effective	100	effective	100	effective	100
381	14:20:00	effective	100	effective	100	effective	100
382	14:21:00	effective	100	effective	100	effective	100
383	14:22:00	effective	100	effective	100	effective	100
384	14:23:00	effective	100	effective	100	effective	100
385	14:24:00	effective	100	effective	100	effective	100
386	14:25:00	effective	100	effective	100	effective	100
387	14:26:00	effective	100	effective	100	effective	100
388	14:27:00	effective	100	effective	100	effective	100
389	14:28:00	effective	100	effective	100	effective	100
390	14:29:00	effective	100	effective	100	effective	100
391	14:30:00	ineffective		ineffective		ineffective	
392	14:31:00	ineffective		ineffective		ineffective	
393	14:32:00	effective	100	effective	100	ineffective	
394	14:33:00	effective	100	effective	100	ineffective	
395	14:34:00	effective	100	effective	100	ineffective	
396	14:35:00	effective	100	effective	100	effective	75
397	14:36:00	effective	100	effective	100	effective	75
398	14:37:00	effective	100	effective	100	effective	75
399	14:38:00	effective	100	effective	100	effective	75
400	14:39:00	effective	100	effective	100	effective	75
401	14:40:00	effective	100	effective	100	effective	75
402	14:41:00	effective	100	effective	100	effective	75
403	14:42:00	effective	100	effective	100	effective	75
404	14:43:00	effective	100	effective	100	effective	75
405	14:44:00	effective	100	effective	100	effective	75
406	14:45:00	effective	100	effective	100	effective	75
407	14:46:00	effective	75	effective	100	effective	75
408	14:47:00	ineffective		ineffective		ineffective	
409	14:48:00	ineffective		ineffective		ineffective	
410	14:49:00	ineffective		ineffective		ineffective	
411	14:50:00	effective	75	effective	75	effective	75
412	14:51:00	effective	75	effective	75	effective	75
413	14:52:00	ineffective		ineffective		effective	100
414	14:53:00	effective	75	effective	100	effective	100
415	14:54:00	effective	75	effective	100	effective	100
416	14:55:00	effective	75	effective	100	effective	100
417	14:56:00	effective	100	effective	100	effective	100

418	14:57:00	effective	100	effective	100	effective	100
419	14:58:00	effective	100	effective	100	effective	100
420	14:59:00	effective	100	effective	100	effective	100
421	15:00:00	effective	100	effective	100	effective	100
422	15:01:00	effective	100	effective	100	effective	100
423	15:02:00	effective	100	effective	100	effective	100
424	15:03:00	effective	100	effective	100	effective	100
425	15:04:00	effective	100	effective	100	effective	100
426	15:05:00	effective	100	effective	100	ineffective	
427	15:06:00	effective	100	effective	100	ineffective	
428	15:07:00	effective	100	ineffective		ineffective	
429	15:08:00	effective	100	ineffective		ineffective	
430	15:09:00	effective	100	ineffective		ineffective	
431	15:10:00	effective	100	effective	100	effective	75
432	15:11:00	effective	100	effective	100	effective	75
433	15:12:00	effective	100	effective	100	effective	75
434	15:13:00	effective	100	effective	100	effective	75
435	15:14:00	effective	100	effective	100	effective	75
436	15:15:00	ineffective		effective	100	effective	75
437	15:16:00	effective	100	effective	100	effective	75
438	15:17:00	effective	100	effective	100	effective	75
439	15:18:00	effective	100	ineffective		effective	75
440	15:19:00	effective	100	ineffective		effective	75
441	15:20:00	effective	100	ineffective		effective	75
442	15:21:00	effective	100	ineffective		effective	75
443	15:22:00	effective	100	effective	75	effective	75
444	15:23:00	effective	100	effective	75	effective	75
445	15:24:00	effective	100	effective	75	effective	75
446	15:25:00	effective	100	effective	75	effective	75
447	15:26:00	effective	100	effective	75	effective	75
448	15:27:00	effective	100	effective	75	effective	75
449	15:28:00	effective	100	effective	75	ineffective	
450	15:29:00	effective	100	effective	75	ineffective	
451	15:30:00	effective	100	effective	75	effective	75
452	15:31:00	effective	100	effective	75	effective	75
453	15:32:00	effective	100	effective	75	effective	75
454	15:33:00	effective	100	effective	75	effective	75
455	15:34:00	effective	100	effective	75	effective	75
456	15:35:00	effective	75	effective	75	effective	75
457	15:36:00	effective	75	effective	75	ineffective	
458	15:37:00	effective	75	effective	75	ineffective	
459	15:38:00	effective	75	effective	75	ineffective	
460	15:39:00	effective	75	effective	75	ineffective	
461	15:40:00	effective	75	effective	75	ineffective	
462	15:41:00	effective	75	effective	75	ineffective	
463	15:42:00	ineffective		ineffective		ineffective	
464	15:43:00	ineffective		ineffective		ineffective	

465	15:44:00	ineffective	ineffective	ineffective
466	15:45:00	ineffective	ineffective	ineffective
467	15:46:00	ineffective	ineffective	ineffective
468	15:47:00	ineffective	ineffective	ineffective
469	15:48:00	ineffective	ineffective	ineffective
470	15:49:00	ineffective	ineffective	ineffective
471	15:50:00	ineffective	ineffective	ineffective
472	15:51:00	ineffective	ineffective	ineffective
473	15:52:00	ineffective	ineffective	ineffective
474	15:53:00	ineffective	ineffective	ineffective
475	15:54:00	ineffective	ineffective	ineffective
476	15:55:00	ineffective	ineffective	ineffective
477	15:56:00	ineffective	ineffective	ineffective
478	15:57:00	ineffective	ineffective	ineffective
479	15:58:00	ineffective	ineffective	ineffective
480	15:59:00	ineffective	ineffective	ineffective
481	16:00:00	ineffective	ineffective	ineffective

RELAXATION ALLOWANCE			
No : 1	Waktu Mulai : 08.00		
Tanggal : 15 Mei 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Sri	Jono	Slamet
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	1	2	0
Contingency Allowance	5	5	5
TOTAL	28	29	27

SUMMARY SHEET							
Pekerjaan Perakitan Dak Keraton				Tanggal : 15 Mei 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Sri	effective	75	61	328.75	28	420.80	4.2
	effective	100	283				
Jono	effective	75	122	316.50	29	408.29	4.2
	effective	100	225				
Slamet	effective	75	86	323.50	27	410.85	4.2
	effective	100	259				
Rata - Rata						413.31	4.2

PRODUCTIVITY SHEET					
Pekerjaan Perakitan Dak Keraton			Tanggal : 15 Mei 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Sri	4.2	100.1905	1.6698	4.1920	0.2385
Jono	4.2	97.2107	1.6202	4.3205	0.2315
Rata - Rata				4.2563	0.2350
Slamet	4.2	97.8202	1.6303	4.2936	0.2329
Rata - Rata				4.2936	0.2329

RELAXATION ALLOWANCE			
No : 2	Waktu Mulai : 08.00		
Tanggal : 16 Mei 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Sri	Jono	Slamet
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	1	2	0
Contingency Allowance	5	5	5
TOTAL	28	29	27

SUMMARY SHEET							
Pekerjaan Perakitan Dak Keraton				Tanggal : 16 Mei 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Sri	effective	75	76	350.00	28	448.00	5.4
	effective	100	293				
Jono	effective	75	109	328.75	29	424.09	5.4
	effective	100	247				
Slamet	effective	75	107	338.25	27	429.58	5.4
	effective	100	258				
Rata - Rata						433.89	5.4

PRODUCTIVITY SHEET					
Pekerjaan Perakitan Dak Keraton			Tanggal : 16 Mei 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Sri	5.4	82.9630	1.3827	5.0625	0.1975
Jono	5.4	78.5347	1.3089	5.3480	0.1870
Rata - Rata				5.2052	0.1923
Slamet	5.4	79.5514	1.3259	5.2796	0.1894
Rata - Rata				5.2796	0.1894

RELAXATION ALLOWANCE			
No : 3	Waktu Mulai : 08.00		
Tanggal : 17 Mei 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Sri	Jono	Slamet
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	1	3	1
Contingency Allowance	5	5	5
TOTAL	28	30	28

SUMMARY SHEET							
Pekerjaan Perakitan Dak Keraton				Tanggal : 17 Mei 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Sri	effective	75	78	330.50	28	423.04	4.8
	effective	100	272				
Jono	effective	75	109	328.75	30	427.38	4.8
	effective	100	247				
Slamet	effective	75	96	330.00	28	422.40	4.8
	effective	100	258				
Rata - Rata						424.27	4.8

PRODUCTIVITY SHEET					
Pekerjaan Perakitan Dak Keraton			Tanggal : 17 Mei 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Sri	4.8	88.1333	1.4689	4.7655	0.2098
Jono	4.8	89.0365	1.4839	4.7172	0.2120
Rata - Rata				4.7413	0.2109
Slamet	4.8	88.0000	1.4667	4.7727	0.2095
Rata - Rata				4.7727	0.2095

RELAXATION ALLOWANCE			
No : 4	Waktu Mulai : 08.00		
Tanggal : 18 Mei 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Sri	Jono	Slamet
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	2	3	1
Contingency Allowance	5	5	5
TOTAL	29	30	28

SUMMARY SHEET							
Pekerjaan Perakitan Dak Keraton				Tanggal : 18 Mei 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Sri	effective	75	78	327.50	29	422.48	4.2
	effective	100	269				
Jono	effective	75	111	314.25	30	408.53	4.2
	effective	100	231				
Slamet	effective	75	88	325.00	28	416.00	4.2
	effective	100	259				
Rata - Rata						415.67	4.2

PRODUCTIVITY SHEET					
Pekerjaan Perakitan Dak Keraton			Tanggal : 18 Mei 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Sri	4.2	100.5893	1.6765	4.1754	0.2395
Jono	4.2	97.2679	1.6211	4.3180	0.2316
Rata - Rata				4.2467	0.2355
Slamet	4.2	99.0476	1.6508	4.2404	0.2358
Rata - Rata				4.2404	0.2358

RELAXATION ALLOWANCE			
No : 5	Waktu Mulai : 08.00		
Tanggal : 19 Mei 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Sri	Jono	Slamet
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	1	1	1
Contingency Allowance	5	5	5
TOTAL	28	28	28

SUMMARY SHEET							
Pekerjaan Pengecoran Dak Keraton				Tanggal : 19 Mei 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Sri	effective	75	78	330.50	28	423.04	12.9
	effective	100	272				
Jono	effective	75	90	336.50	28	430.72	12.9
	effective	100	269				
Slamet	effective	75	74	313.50	28	401.28	12.9
	effective	100	258				
Rata - Rata						418.35	12.9

PRODUCTIVITY SHEET					
Pekerjaan Pengecoran Dak Keraton			Tanggal : 19 Mei 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Sri	12.9	32.7938	0.5466	12.8073	0.0781
Jono	12.9	33.3891	0.5565	12.5789	0.0795
Rata - Rata				12.6931	0.0788
Slamet	12.9	31.1070	0.5184	13.5018	0.0741
Rata - Rata				13.5018	0.0741

RELAXATION ALLOWANCE			
No : 6	Waktu Mulai : 08.00		
Tanggal : 21 Mei 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Sri	Jono	Slamet
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	3	3	1
Contingency Allowance	5	5	5
TOTAL	30	30	28

SUMMARY SHEET							
Pekerjaan Perakitan Dak Keraton				Tanggal : 21 Mei 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Sri	effective	75	204	285.00	30	370.50	3.6
	effective	100	132				
Jono	effective	75	168	302.00	30	392.60	3.6
	effective	100	176				
Slamet	effective	75	154	299.50	28	383.36	3.6
	effective	100	184				
Rata - Rata						382.15	3.6

PRODUCTIVITY SHEET					
Pekerjaan Perakitan Dak Keraton			Tanggal : 21 Mei 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Sri	3.6	102.9167	1.7153	4.0810	0.2450
Jono	3.6	109.0556	1.8176	3.8512	0.2597
Rata - Rata				3.9661	0.2523
Slamet	3.6	106.4889	1.7748	3.9441	0.2535
Rata - Rata				3.9441	0.2535

RELAXATION ALLOWANCE			
No : 7	Waktu Mulai : 08.00		
Tanggal : 22 Mei 2012	Waktu Selesai : 16.00		
Kondisi	% Relaxation		
	Sri	Jono	Slamet
Standar	8	8	8
Posisi Kerja, Konsentrasi	3	3	3
Lingkungan Pencahayaan	0	0	0
Kebisingan	0	0	0
Suhu	10	10	10
Tenaga	1	1	1
Kebosanan	1	2	2
Contingency Allowance	5	5	5
TOTAL	28	29	29

SUMMARY SHEET							
Pekerjaan Pengecoran Dak Keraton				Tanggal : 22 Mei 2012			
Waktu mulai : 08.00				Waktu Selesai : 16.00			
Nama Pekerja	Kategori	Rating	Jumlah	Basic Time	T. Allowance	Standart Time	Volume Pek.
Sri	effective	75	77	313.75	28	401.60	12.6
	effective	100	256				
Jono	effective	75	65	316.75	29	408.61	12.6
	effective	100	268				
Slamet	effective	75	98	291.50	29	376.04	12.6
	effective	100	218				
Rata - Rata						395.41	12.6

PRODUCTIVITY SHEET					
Pekerjaan Pengecoran Dak Keraton			Tanggal : 22 Mei 2012		
Waktu mulai : 08.00			Waktu Selesai : 16.00		
Nama Pekerja	Volume (m2)	Manminute (menit/m2)	Manhour (jam/m2)	Produktivitas (m2/orang/hari)	Koefisien (OH)
Sri	12.6	31.8730	0.5312	13.1773	0.0759
Jono	12.6	32.4292	0.5405	12.9513	0.0772
Rata - Rata				13.0643	0.0766
Slamet	12.6	29.8440	0.4974	14.0732	0.0711
Rata - Rata				14.0732	0.0711

SUMMARY STANDART TIME Pekerjaan Perakitan Dak Keraton						
Waktu mulai: 08.00			Waktu selesai: 16.00			
Hari	1	2	3	4	5	Rata-rata
Sri	420.80	448.00	423.04	422.48	370.50	416.96
Jono	408.29	424.09	427.38	408.53	392.60	412.18
Rata - Rata						414.57
Slamet	410.85	429.58	422.40	416.00	383.00	412.37
Rata - Rata						412.37

SUMMARY PRODUCTIVITY Pekerjaan Perakitan Dak Keraton						
Waktu mulai: 08.00			Waktu selesai: 16.00			
Hari	1	2	3	4	5	Rata-rata
Sri	4.1920	5.0625	4.7655	4.1754	4.0810	4.4553
Jono	4.3205	5.3480	4.7172	4.3180	3.8512	4.5110
Rata - Rata						4.4831
Slamet	4.2936	5.2796	4.6563	4.2404	3.9441	4.4828
Rata - Rata						4.4828

SUMMARY Koefisien Pekerjaan Perakitan Dak Keraton						
Waktu mulai: 08.00			Waktu selesai: 16.00			
Hari	1	2	3	4	5	Rata-rata
Sri	0.2385	0.1975	0.2098	0.2395	0.2450	0.2261
Jono	0.2315	0.1870	0.2120	0.2316	0.2597	0.2244
Rata - Rata						0.2252
Slamet	0.2329	0.1894	0.2148	0.2358	0.2535	0.2253
Rata - Rata						0.2253

SUMMARY STANDART TIME Pekerjaan Pengecoran Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
Hari	1	2	Rata-rata
Sri	423.04	401.60	412.32
Jono	430.72	408.61	419.67
Rata - Rata			415.99
Slamet	401.28	376.04	388.66
Rata - Rata			388.66

SUMMARY PRODUCTIVITY Pekerjaan Pengecoran Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
Hari	1	2	Rata-rata
Sri	12.8073	13.1773	12.9923
Jono	12.5789	12.9513	12.7651
Rata - Rata			12.8787
Slamet	13.5018	14.0732	13.7875
Rata - Rata			13.7875

SUMMARY Koefisien Pekerjaan Pengecoran Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
Hari	1	2	Rata-rata
Sri	0.0781	0.0754	0.0768
Jono	0.0795	0.0772	0.0784
Rata - Rata			0.0776
Slamet	0.0741	0.0711	0.0726
Rata - Rata			0.0726



PROYEK 1

STANDART TIME Pekerjaan Perakitan Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
	Proyek 1	Proyek 2	Rata-rata
Tukang	357.66	414.57	386.11
Pekerja	362.08	412.37	387.22

PRODUKTIVITAS Pekerjaan Perakitan Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
	Proyek 1	Proyek 2	Rata-rata
Tukang	5.6149	4.4831	5.0490
Pekerja	5.5382	4.4828	5.0105

KOEFISIEN Pekerjaan Perakitan Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
	Proyek 1	Proyek 2	Rata-rata
Tukang	0.1801	0.2252	0.2026
Pekerja	0.1818	0.2253	0.2035

STANDART TIME Pekerjaan Pengecoran Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
	Proyek 1	Proyek 2	Rata-rata
Tukang	321.39	415.99	368.69
Pekerja	301.28	388.66	344.97

PRODUKTIVITAS Pekerjaan Pengecoran Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
	Proyek 1	Proyek 2	Rata-rata
Tukang	15.7591	12.8787	14.3189
Pekerja	16.6655	13.7875	15.2265

KOEFISIEN Pekerjaan Pengecoran Dak Keraton			
Waktu mulai: 08.00		Waktu selesai: 16.00	
	Proyek 1	Proyek 2	Rata-rata
Tukang	0.0635	0.0776	0.0705
Pekerja	0.0602	0.0726	0.0664

STANDART TIME Pekerjaan Perakitan Dak Keraton			
	Proyek 1	Proyek 2	Rata-rata
Tukang	357.66	414.57	386.11
Pekerja	362.08	412.37	387.22

STANDART TIME Pekerjaan Pengecoran Dak Keraton			
	Proyek 1	Proyek 2	Rata-rata
Tukang	321.39	415.99	368.69
Pekerja	301.28	388.66	344.97

PRODUKTIVITAS Pekerjaan Perakitan Dak Keraton			
	Proyek 1	Proyek 2	Rata-rata
Tukang	5.6149	4.4831	5.0490
Pekerja	5.5382	4.4828	5.0105

PRODUKTIVITAS Pekerjaan Pengecoran Dak Keraton			
	Proyek 1	Proyek 2	Rata-rata
Tukang	15.7591	12.8787	14.3189
Pekerja	16.6655	13.7875	15.2265

KOEFISIEN Pekerjaan Perakitan Dak Keraton			
	Proyek 1	Proyek 2	Rata-rata
Tukang	0.1801	0.2252	0.2026
Pekerja	0.1818	0.2253	0.2035

KOEFISIEN Pekerjaan Pengecoran Dak Keraton			
	Proyek 1	Proyek 2	Rata-rata
Tukang	0.0635	0.0776	0.0705
Pekerja	0.0602	0.0726	0.0664