

### Lampiran 3 Hubungan antar waktu dalam *Microsoft Project*

No	Task Name	Duration	Start	Finish	Predecessors
1	<b>PEKERJAAN PERSIAPAN &amp; PONDASI</b>	<b>18 days</b>	<b>Wed 2/1/17</b>	<b>Tue 2/21/17</b>	
2	Memasang bowplank	1 day	Wed 2/1/17	Wed 2/1/17	
3	Menggali pondasi batu kali	5 days	Thu 2/2/17	Tue 2/7/17	2
4	Menggali pondasi ceker ayam	5 days	Thu 2/2/17	Tue 2/7/17	3SS
5	Memasang pondasi batu kali	7 days	Wed 2/8/17	Wed 2/15/17	3,4
6	Pembesian pondasi ceker ayam (D13)	3 days	Wed 2/8/17	Fri 2/10/17	5SS
7	Pengecoran pondasi ceker ayam	7 days	Sat 2/11/17	Sat 2/18/17	6
8	pengurugan	2 days	Mon 2/20/17	Tue 2/21/17	5,7
9	<b>PEKERJAAN SLOOF</b>	<b>18 days</b>	<b>Wed 2/22/17</b>	<b>Tue 3/14/17</b>	
10	Pembesian sloof	3 days	Wed 2/22/17	Fri 2/24/17	8
11	pembesian begel sloof	3 days	Wed 2/22/17	Fri 2/24/17	10SS
12	Bekisting sloof	3 days	Sat 2/25/17	Tue 2/28/17	10,11
13	Pembuatan beton sloof	3 days	Wed 3/1/17	Fri 3/3/17	12
14	Pembongkaran bekisting beton sloof	2 days	Mon 3/13/17	Tue 3/14/17	13FS+7 days
15	<b>PEKERJAAN KOLOM LANTAI 1</b>	<b>25 days</b>	<b>Wed 3/15/17</b>	<b>Wed 4/12/17</b>	
16	Pembesian kolom lantai 1	3 days	Wed 3/15/17	Fri 3/17/17	14
17	pembesian begel kolom lantai 1	4 days	Wed 3/15/17	Sat 3/18/17	16SS
18	Bekisting kolom lantai 1	5 days	Mon 3/20/17	Fri 3/24/17	16,17
19	Pengecoran kolom lantai 1	7 days	Sat 3/25/17	Sat 4/1/17	18
20	Pembongkaran bekisting kolom lantai 1	2 days	Tue 4/11/17	Wed 4/12/17	19FS+7 days
21	<b>PEKERJAAN BALOK + PLAT DAK 1</b>	<b>31 days</b>	<b>Thu 4/13/17</b>	<b>Thu 5/18/17</b>	

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22	Pembesian plat lantai/dak	10 days	Thu 4/13/17	Mon 4/24/17	20
23	Pembesian Balok lantai 1	14 days	Thu 4/13/17	Fri 4/28/17	22SS
24	pembesian begel balok lantai 1	7 days	Thu 4/13/17	Thu 4/20/17	23SS
25	Bekisting ring balok lantai 1	7 days	Sat 4/29/17	Sat 5/6/17	23,24
26	Bekisting plat dak	7 days	Tue 4/25/17	Tue 5/2/17	22
27	Pengecoran plat dak & ring balok lantai 1	1 day	Mon 5/8/17	Mon 5/8/17	25,26
28	Pembongkaran bekisting plat dak & ring balok lantai 1	2 days	Wed 5/17/17	Thu 5/18/17	27FS+7 days
29	<b>PEKERJAAN SABUK BALOK 1</b>	<b>14 days</b>	<b>Fri 5/19/17</b>	<b>Sat 6/3/17</b>	
30	Pembesian sabuk ring balok lt 1	2 days	Fri 5/19/17	Sat 5/20/17	28
31	Pembesian begel sabuk ring balok lantai 1	2 days	Fri 5/19/17	Sat 5/20/17	30SS
32	Bekisting sabuk ring balok lantai 1	2 days	Mon 5/22/17	Tue 5/23/17	30,31
33	Pengecoran sabuk ring balok lantai 1	2 days	Wed 5/24/17	Thu 5/25/17	32
34	Pembongkaran bekisting sabuk ring balok lantai 1	1 day	Sat 6/3/17	Sat 6/3/17	33FS+7 days
35	<b>PEKERJAAN BATAKO PINTU &amp; JENDELA LANTAI 1</b>	<b>30 days</b>	<b>Mon 6/5/17</b>	<b>Sat 7/8/17</b>	
36	Pasang batako lantai 1	30 days	Mon 6/5/17	Sat 7/8/17	34
37	Pekerjaan pembuatan septictank	4 days	Mon 6/5/17	Thu 6/8/17	36SS
38	Pekerjaan pembuatan bak kontrol	3 days	Fri 6/9/17	Mon 6/12/17	37
39	<b>PEKERJAAN KOLOM LANTAI 2</b>	<b>29 days</b>	<b>Mon 7/10/17</b>	<b>Fri 8/11/17</b>	
40	Pembesian kolom lantai 2	4 days	Mon 7/10/17	Thu 7/13/17	36,38
41	pembesian begel kolom lantai 2	5 days	Mon 7/10/17	Fri 7/14/17	40SS
42	Bekisting kolom lantai 2	6 days	Sat 7/15/17	Fri 7/21/17	41,40
43	Pengecoran kolom lantai 2	8 days	Sat 7/22/17	Mon 7/31/17	42

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44	Pembongkaran bekisting kolom lantai 2	3 days	Wed 8/9/17	Fri 8/11/17	43FS+7 days
45	<b>PEKERJAAN BALOK LANTAI 2</b>	<b>26 days</b>	<b>Sat 8/12/17</b>	<b>Mon 9/11/17</b>	
46	pembesian balok lantai 2	14 days	Sat 8/12/17	Mon 8/28/17	44
47	pembesian begel balok lantai 2	7 days	Sat 8/12/17	Sat 8/19/17	46SS
48	Bekisting ring balok lantai 2	1 day	Tue 8/29/17	Tue 8/29/17	46,47
49	Pengecoran ring balok lantai 2	2 days	Wed 8/30/17	Thu 8/31/17	48
50	Pembongkaran bekisting ring balok lantai 2	2 days	Sat 9/9/17	Mon 9/11/17	49FS+7 days
51	<b>PEKERJAAN SABUK BALOK 2</b>	<b>14 days</b>	<b>Tue 9/12/17</b>	<b>Wed 9/27/17</b>	
52	Pembesian sabuk ring balok lt 2	2 days	Tue 9/12/17	Wed 9/13/17	50
53	Pembesian begel sabuk ring balok lantai 2	2 days	Tue 9/12/17	Wed 9/13/17	52SS
54	Bekisting sabuk ring balok lantai 2	2 days	Thu 9/14/17	Fri 9/15/17	52,53
55	Pengecoran sabuk ring balok lantai 2	2 days	Sat 9/16/17	Mon 9/18/17	54
56	Pembongkaran bekisting sabuk ring balok lantai 2	1 day	Wed 9/27/17	Wed 9/27/17	55FS+7 days
57	<b>PEKERJAAN BATAKO PINTU &amp; JENDELA LANTAI 2</b>	<b>37 days</b>	<b>Thu 9/28/17</b>	<b>Thu 11/9/17</b>	
58	Pasang batako lantai 2	37 days	Thu 9/28/17	Thu 11/9/17	56
59	<b>PEKERJAAN TANGGA</b>	<b>29 days</b>	<b>Thu 9/28/17</b>	<b>Tue 10/31/17</b>	
60	pembesian plat tangga (P10)	3 days	Thu 9/28/17	Sat 9/30/17	58SS
61	bekisting plat tangga	3 days	Mon 10/2/17	Wed 10/4/17	60
62	pengecoran	1 day	Thu 10/5/17	Thu 10/5/17	61
63	pembongkaran bekisting plat tangga	1 day	Sat 10/14/17	Sat 10/14/17	62FS+7 days
64	pembesian balok tangga (D13)	1 day	Mon 10/16/17	Mon 10/16/17	63
65	bekisting balok tangga	1 day	Tue 10/17/17	Tue 10/17/17	64

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66	pengecoran balok tangga	1 day	Wed 10/18/17	Wed 10/18/17	65
67	pembongkaran bekisting balok tangga	1 day	Fri 10/27/17	Fri 10/27/17	66FS+7 days
68	pasangan bata merah anak tangga	3 days	Sat 10/28/17	Tue 10/31/17	67
69	<b>PEKERJAAN PEMBUATAN MEJA DAPUR</b>	<b>11 days</b>	<b>Wed 11/1/17</b>	<b>Mon 11/13/17</b>	
70	Pekerjaan pembesian meja dapur lantai 1 (P10)	1 day	Wed 11/1/17	Wed 11/1/17	68
71	Pekerjaan pasang bekisting meja dapur lantai 1	1 day	Thu 11/2/17	Thu 11/2/17	70
72	Pekerjaan pengecoran meja dapur lantai 1	1 day	Fri 11/3/17	Fri 11/3/17	71
73	Pekerjaan pembongkaran bekisting meja dapur lantai 1	1 day	Mon 11/13/17	Mon 11/13/17	72FS+7 days
74	<b>PEKERJAAN PLESTERAN, ACIAN &amp; ME 1</b>	<b>82 days</b>	<b>Tue 11/14/17</b>	<b>Fri 2/16/18</b>	
75	Plesteran lantai 1	21 days	Tue 11/14/17	Thu 12/7/17	58,73
76	Plesteran lantai 2	31 days	Fri 12/8/17	Fri 1/12/18	75
77	Acian lantai 1	30 days	Fri 12/8/17	Thu 1/11/18	75
78	Acian lantai 2	30 days	Sat 1/13/18	Fri 2/16/18	76,77
79	<b>PEKERJAAN PASANG KERAMIK + UTILITAS 3</b>	<b>65 days</b>	<b>Sat 2/17/18</b>	<b>Thu 5/3/18</b>	
80	pasang keramik k.tidur pembantu	2 days	Sat 2/17/18	Mon 2/19/18	78
81	pasang plint keramik k.tidur	10 days	Tue 2/20/18	Fri 3/2/18	80
82	pasang keramik mushalla	3 days	Sat 3/3/18	Tue 3/6/18	81
83	pasang plint keramik mushalla	3 days	Wed 3/7/18	Fri 3/9/18	82
84	pasang keramik k.mandi/wc	3 days	Sat 3/10/18	Tue 3/13/18	83
85	pasang dinding keramik k.mandi/wc	4 days	Wed 3/14/18	Sat 3/17/18	84
86	pasang keramik cuci piring	2 days	Mon 3/19/18	Tue 3/20/18	85
87	pasang dinding keramik cuci piring	3 days	Wed 3/21/18	Fri 3/23/18	86

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88	pasang keramik R.wudhu	1 day	Sat 3/24/18	Sat 3/24/18	87
89	pasang dinding keramik R.wudhu	2 days	Mon 3/26/18	Tue 3/27/18	88
90	pasang keramik Dapur	2 days	Wed 3/28/18	Thu 3/29/18	89
91	pasang dinding keramik Dapur	2 days	Fri 3/30/18	Sat 3/31/18	90
92	pasang plint keramik Dapur	2 days	Mon 4/2/18	Tue 4/3/18	91
93	pasang keramik gudang logistik	1 day	Wed 4/4/18	Wed 4/4/18	92
94	pasang plint keramik Gdg.Logistik	1 day	Thu 4/5/18	Thu 4/5/18	93
95	pasang keramik lantai 1	10 days	Fri 4/6/18	Tue 4/17/18	94
96	pasang plint keramik lantai 1	14 days	Wed 4/18/18	Thu 5/3/18	95
97	<b>PEKERJAAN PLAFOND + ME 2</b>	<b>48 days</b>	<b>Fri 5/4/18</b>	<b>Thu 6/28/18</b>	
98	Pekerjaan plafond + ME lantai 1	10 days	Fri 5/4/18	Tue 5/15/18	96
99	Pekerjaan plafond + ME lantai 2	10 days	Wed 5/16/18	Sat 5/26/18	98
100	Pekerjaan pemasangan lampu downlight lantai 1	14 days	Mon 5/28/18	Tue 6/12/18	99
101	Pekerjaan pemasangan lampu downlight lantai 2	14 days	Wed 6/13/18	Thu 6/28/18	100
102	<b>PEKERJAAN PENGECATAN</b>	<b>122 days</b>	<b>Fri 6/29/18</b>	<b>Sat 11/17/18</b>	
103	Pengecatan lantai 1 dalam	14 days	Fri 6/29/18	Sat 7/14/18	101
104	Pengecatan lantai 2 dalam	14 days	Mon 7/16/18	Tue 7/31/18	103
105	pasang keramik k.tidur lt 2	10 days	Wed 8/1/18	Sat 8/11/18	104
106	pasang plint keramik k.tidur lt 2	14 days	Mon 8/13/18	Tue 8/28/18	105
107	pasang keramik selasar lt 2	3 days	Wed 8/29/18	Fri 8/31/18	106
108	pasang plint keramik selasar lt 2	4 days	Sat 9/1/18	Wed 9/5/18	107
109	pasang keramik teras lt 2	3 days	Thu 9/6/18	Sat 9/8/18	108

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110	pasang plint keramik teras lt 2	4 days	Mon 9/10/18	Thu 9/13/18	109
111	pasang keramik k.mandi/wc lt 2	2 days	Fri 9/14/18	Sat 9/15/18	110
112	pasang dinding keramik k.mandi/wc lt 2	3 days	Mon 9/17/18	Wed 9/19/18	111
113	pasang keramik r.cuci lt 2	1 day	Thu 9/20/18	Thu 9/20/18	112
114	pasang dinding keramik r.cuci lt 2	2 days	Fri 9/21/18	Sat 9/22/18	113
115	Pemasangan closet jongkok lantai 1	1 day	Mon 9/24/18	Mon 9/24/18	114
116	Pemasangan closet jongkok lantai 2	1 day	Tue 9/25/18	Tue 9/25/18	115
117	Pasang keramik tangga	4 days	Wed 9/26/18	Sat 9/29/18	116
118	Pengecatan lantai 1 luar	21 days	Mon 10/1/18	Wed 10/24/18	117
119	Pengecatan lantai 2 luar	21 days	Thu 10/25/18	Sat 11/17/18	118
120	<b>PEKERJAAN KOLOM LANTAI 3</b>	<b>33 days</b>	<b>Mon 11/19/18</b>	<b>Wed 12/26/18</b>	
121	Pembesian kolom lantai 3 meter (D13)	5 days	Mon 11/19/18	Fri 11/23/18	119
122	pembesian begel kolom lantai 3 meter (P8)	6 days	Mon 11/19/18	Sat 11/24/18	121SS
123	bekisting kolom lantai 3	7 days	Mon 11/26/18	Mon 12/3/18	121,122
124	pengecoran kolom lantai 3	9 days	Tue 12/4/18	Thu 12/13/18	123
125	Pembongkaran bekisting kolom stek lantai 3	4 days	Sat 12/22/18	Wed 12/26/18	124FS+7 days
126	<b>PEKERJAAN BALOK LANTAI 3</b>	<b>14 days</b>	<b>Thu 12/27/18</b>	<b>Fri 1/11/19</b>	
127	Pembesian Balok lantai 3 (D13)	4 days	Thu 12/27/18	Mon 12/31/18	125
128	pembesian begel balok lantai 3 (P8)	3 days	Thu 12/27/18	Sat 12/29/18	127SS
129	Bekisting ring balok lantai 3	1 day	Tue 1/1/19	Tue 1/1/19	127,128
130	Pengecoran ring balok lantai 3	1 day	Wed 1/2/19	Wed 1/2/19	129
131	Pembongkaran bekisting ring balok lantai 3	1 day	Fri 1/11/19	Fri 1/11/19	130FS+7 days

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132	<b>PEKERJAAN SABUK BALOK 3</b>	<b>13.67 days</b>	<b>Sat 1/12/19</b>	<b>Mon 1/28/19</b>	
133	Pembesian sabuk ring balok lt 3 (P10)	2 days	Sat 1/12/19	Mon 1/14/19	131
134	Pembesian begel sabuk ring balok lantai 3	2 days	Sat 1/12/19	Mon 1/14/19	133SS
135	Bekisting sabuk ring balok lantai 3	2 days	Tue 1/15/19	Wed 1/16/19	133,134
136	Pengecoran sabuk ring balok lantai 3	2 days	Thu 1/17/19	Fri 1/18/19	135
137	Pembongkaran bekisting sabuk ring balok lantai 3	0.67 days	Mon 1/28/19	Mon 1/28/19	136FS+7 days
138	<b>PEKERJAAN PASANG BATAKO, PLESTERAN &amp; ACIAN LANTAI 3</b>	<b>85 days</b>	<b>Mon 1/28/19</b>	<b>Tue 5/7/19</b>	
139	Pasang batako lantai 3	14 days	Mon 1/28/19	Wed 2/13/19	137
140	Plesteran lantai 3	41 days	Wed 2/13/19	Tue 4/2/19	139
141	Acian lantai 3	30 days	Tue 4/2/19	Tue 5/7/19	140
142	<b>PEKERJAAN RANGKA ATAP + GENTENG</b>	<b>6 days</b>	<b>Mon 1/28/19</b>	<b>Mon 2/4/19</b>	
143	pekerjaan baja ringan atap	3 days	Mon 1/28/19	Thu 1/31/19	137
144	pasang genteng beton flat	3 days	Thu 1/31/19	Mon 2/4/19	143
145	<b>PEKERJAAN UTILITAS LANTAI 3</b>	<b>5 days</b>	<b>Tue 5/7/19</b>	<b>Mon 5/13/19</b>	
146	Pekerjaan pemasangan PVC 3 " dan 4 " (lantai 3)	1 day	Tue 5/7/19	Wed 5/8/19	144,141
147	Pemasangan Kran kamar mandi lantai 3	1 day	Wed 5/8/19	Thu 5/9/19	146
148	Pemasangan floordrain lantai 3	1 day	Thu 5/9/19	Fri 5/10/19	147
149	Pemasangan closet jongkok lantai 3	2 days	Fri 5/10/19	Mon 5/13/19	148
150	<b>PEKERJAAN PASANG KERAMIK LANTAI 3</b>	<b>63 days</b>	<b>Mon 5/13/19</b>	<b>Thu 7/25/19</b>	
151	pasang keramik k.tidur lt 3	10 days	Mon 5/13/19	Fri 5/24/19	149
152	pasang plint keramik k.tidur lt 3	14 days	Fri 5/24/19	Mon 6/10/19	151

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153	pasang keramik selasar lt 3	4 days	Mon 6/10/19	Fri 6/14/19	152
154	pasang plint keramik selasar lt 3	10 days	Fri 6/14/19	Wed 6/26/19	153
155	pasang keramik teras lt 3	5 days	Wed 6/26/19	Tue 7/2/19	154
156	pasang plint keramik teras lt 3	10 days	Tue 7/2/19	Sat 7/13/19	155
157	pasang keramik k.mandi/wc lt 3	1 day	Sat 7/13/19	Mon 7/15/19	156
158	pasang dinding keramik k.mandi/wc lt 3	2 days	Mon 7/15/19	Wed 7/17/19	157
159	pasang keramik r.cuci lt 3	1 day	Wed 7/17/19	Thu 7/18/19	158
160	pasang dinding keramik r.cuci lt 3	2 days	Thu 7/18/19	Sat 7/20/19	159
161	Pasang keramik tangga lt 2-3	4 days	Sat 7/20/19	Thu 7/25/19	160
162	<b>PEKERJAAN PENGECATAN LANTAI 3</b>	<b>17 days</b>	<b>Thu 7/25/19</b>	<b>Wed 8/14/19</b>	
163	Pengecatan lantai 3 dalam	7 days	Thu 7/25/19	Fri 8/2/19	161
164	Pengecatan lantai 3 luar	10 days	Fri 8/2/19	Wed 8/14/19	163
165	<b>PEKERJAAN ME LANTAI 3</b>	<b>7 days</b>	<b>Wed 8/14/19</b>	<b>Thu 8/22/19</b>	
166	Pekerjaan pemasangan lampu downlight lantai 3	7 days	Wed 8/14/19	Thu 8/22/19	164