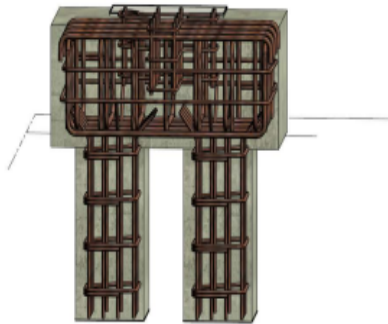


LAMPIRAN

Lampiran 1 : Bar Bending Schedule Pilecap F'1

PILECAP F'1													
Partiton	Bar Diameter	Bar Length	A	B	C	D	E	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
PC1	13 mm	3.5 m	0.5 m	1.1 m	0.2 m	0.2 m	0.0 m	1	3.6 m	471.20 cm ³	3.70 kg	0.30	
PC1	13 mm	3.5 m	0.5 m	1.1 m	0.2 m	0.2 m	0.0 m	1	3.6 m	471.20 cm ³	3.70 kg	0.30	
2								2	7.1 m	942.40 cm ³	7.40 kg	0.59	
PC1	19 mm	1.6 m	0.3 m	1.1 m	0.3 m	0.0 m	0.0 m	5	7.9 m	2232.79 cm ³	17.53 kg	0.66	
PC1	19 mm	1.3 m	0.1 m	1.1 m	0.1 m	0.0 m	0.0 m	5	6.5 m	1842.94 cm ³	14.47 kg	0.54	
PC1	19 mm	1.0 m	0.3 m	0.5 m	0.3 m	0.0 m	0.0 m	9	9.5 m	2679.35 cm ³	21.03 kg	0.79	
PC1	19 mm	1.0 m	0.3 m	0.5 m	0.3 m	0.0 m	0.0 m	8	8.4 m	2381.64 cm ³	18.70 kg	0.70	
4								27	32.2 m	9136.71 cm ³	71.72 kg	2.69	

Lampiran 2 : Bar Bending Schedule Pilecap F'2

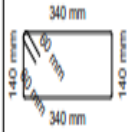
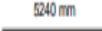
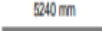
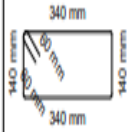
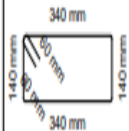
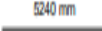
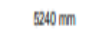


Pilecap F'2													
Partiton	Bar Diameter	Bar Length	A	B	C	D	E	Quantity	Total Bar Length	Berat Besi	Jumlah Besi	Reinforcement Volume	Bending Detail
PC2	13 mm	2925 mm	0.44 m	0.92 m	0.16 m	0 m	0 m	1	2.93 m	3.05 kg	0.24 m	388.24 cm³	
PC2	13 mm	2925 mm	0.44 m	0.93 m	0.16 m	0 m	0 m	1	2.93 m	3.05 kg	0.24 m	388.24 cm³	
										6.10 kg	0.49 m		
PC2	19 mm	1400 mm	0.28 m	0.88 m	0.28 m	0 m	0 m	4	5.60 m	12.46 kg	0.47 m	1587.76 cm³	
PC2	19 mm	1075 mm	0.09 m	0.94 m	0.09 m	0 m	0 m	4	4.30 m	9.57 kg	0.36 m	1219.17 cm³	
PC2	19 mm	950 mm	0.30 m	0.40 m	0.30 m	0 m	0 m	7	6.65 m	14.80 kg	0.55 m	1885.47 cm³	
PC2	19 mm	950 mm	0.30 m	0.40 m	0.30 m	0 m	0 m	7	6.65 m	14.80 kg	0.55 m	1885.47 cm³	
										51.64 kg	1.93 m		

Lampiran 3 : Bar Bending Schedule Tie Beam TB'1

Tie Beam 1												
Partition	Bar Diameter	Bar Length	A	B	C	D	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
Tie Beam 1	10 mm	5475 mm	5.47 m	0.00 m	0.00 m	0.00 m	2	10.95 m	860.01 cm ³	6.75 kg	912.50 mm	
Tie Beam 1	10 mm	5450 mm	5.44 m	0.00 m	0.00 m	0.00 m	2	10.90 m	856.08 cm ³	6.72 kg	908.33 mm	
Tie Beam 1	10 mm	1625 mm	0.54 m	0.24 m	0.06 m	0.06 m	12	19.50 m	1531.53 cm ³	12.02 kg	1625.00 mm	
Tie Beam 1	10 mm	1625 mm	0.54 m	0.24 m	0.06 m	0.06 m	11	17.88 m	1403.90 cm ³	11.02 kg	1489.58 mm	
Tie Beam 1	10 mm	1625 mm	0.54 m	0.24 m	0.06 m	0.06 m	12	19.50 m	1531.53 cm ³	12.02 kg	1625.00 mm	
								78.73 m		48.54 kg	6560.42 mm	
Tie Beam 1	22 mm	5650 mm	0.23 m	5.44 m	0.00 m	0.00 m	4	22.60 m	8591.00 cm ³	67.44 kg	1883.33 mm	
Tie Beam 1	22 mm	5650 mm	0.23 m	5.44 m	0.00 m	0.00 m	4	22.60 m	8591.00 cm ³	67.44 kg	1883.33 mm	
								45.20 m		134.88 kg	3766.67 mm	

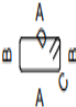
Lampiran 4 : Bar Bending Schedule Tie Beam TB'2

Tie Beam TB2													
Partition	Bar Diameter	Bar Length	A	B	C	D	E	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
TB2	10 mm	1025 mm	0.14 m	0.34 m	0.06 m	0.06 m	0.00 m	13	13.33 m	1046.54 cm ³	8.22 kg	1.11	
TB2	10 mm	5250 mm	5.24 m	0.00 m	0.00 m	0.00 m	0.00 m	1	5.25 m	412.33 cm ³	3.24 kg	0.44	
TB2	10 mm	5250 mm	5.24 m	0.00 m	0.00 m	0.00 m	0.00 m	1	5.25 m	412.33 cm ³	3.24 kg	0.44	
TB2	10 mm	1025 mm	0.14 m	0.34 m	0.06 m	0.06 m	0.00 m	14	14.35 m	1127.05 cm ³	8.85 kg	1.20	
TB2	10 mm	1025 mm	0.14 m	0.34 m	0.06 m	0.06 m	0.00 m	14	14.35 m	1127.05 cm ³	8.85 kg	1.20	
10 mm: 5									43			32.38 kg	4.38
TB2	16 mm	5250 mm	5.24 m	0.00 m	0.00 m	0.00 m	0.00 m	3	15.75 m	3166.73 cm ³	24.86 kg	1.31	
TB2	16 mm	5250 mm	5.24 m	0.00 m	0.00 m	0.00 m	0.00 m	3	15.75 m	3166.73 cm ³	24.86 kg	1.31	
16 mm: 2									6			49.72 kg	2.63

Lampiran 5 : Bar Bending Schedule Tie Beam TB2'A

TB2'A											
Partiton	Bar Diameter	Bar Length	A	B	C	D	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
TB2A	10 mm	1025 mm	0.13 m	0.34 m	0.06 m	0.06 m	18.45 m	1449.06 cm ³	11.38 kg	1.54	
TB2A	10 mm	2575 mm	2.56 m	0.00 m	0.00 m	0.00 m	2.58 m	202.24 cm ³	1.59 kg	0.21	
TB2A	10 mm	2575 mm	2.56 m	0.00 m	0.00 m	0.00 m	2.58 m	202.24 cm ³	1.59 kg	0.21	
10 mm: 3							23.60 m	1853.54 cm ³	14.55 kg	1.97	
TB2A	16 mm	2575 mm	2.56 m	0.00 m	0.00 m	0.00 m	7.73 m	1553.20 cm ³	12.19 kg	0.64	
TB2A	16 mm	2575 mm	2.56 m	0.00 m	0.00 m	0.00 m	7.73 m	1553.20 cm ³	12.19 kg	0.64	
16 mm: 2							15.45 m	3106.41 cm ³	24.39 kg	1.29	

Lampiran 6 : Bar Bending Schedule Tie Beam TB2'B

TB2B											
Partition	Bar Diameter	Bar Length	A	B	C	D	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
TB2B	10 mm	1025 mm	0.34 m	0.14 m	0.06 m	0.06 m	26.65 m	2093.09 cm ³	16.43 kg	2.22	
TB2B	10 mm	3000 mm	2.99 m	0.00 m	0.00 m	0.00 m	3.00 m	235.62 cm ³	1.85 kg	0.25	
TB2B	10 mm	3000 mm	2.99 m	0.00 m	0.00 m	0.00 m	3.00 m	235.62 cm ³	1.85 kg	0.25	
10 mm: 3							32.65 m	2564.33 cm ³	20.13 kg	2.72	
TB2B	16 mm	3000 mm	2.99 m	0.00 m	0.00 m	0.00 m	9.00 m	1809.56 cm ³	14.21 kg	0.75	
TB2B	16 mm	3000 mm	2.99 m	0.00 m	0.00 m	0.00 m	9.00 m	1809.56 cm ³	14.21 kg	0.75	
16 mm: 2							18.00 m	3619.11 cm ³	28.41 kg	1.50	

Lampiran 7 : Bar Bending Schedule Tie Beam TB2'C

TB2'C											
Partition	Bar Diameter	Bar Length	A	B	C	D	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
TB2C	10 mm	1025 mm	0.14 m	0.34 m	0.06 m	0.06 m	30.75 m	2415.10 cm ³	18.96 kg	2.56	
TB2C	10 mm	3475 mm	3.47 m	0.00 m	0.00 m	0.00 m	3.48 m	272.93 cm ³	2.14 kg	0.29	
TB2C	10 mm	3475 mm	3.47 m	0.00 m	0.00 m	0.00 m	3.48 m	272.93 cm ³	2.14 kg	0.29	
10 mm: 3							37.70 m	2960.95 cm ³	23.24 kg	3.14	
TB2C	16 mm	3475 mm	3.47 m	0.00 m	0.00 m	0.00 m	10.43 m	2096.07 cm ³	16.45 kg	0.87	
TB2C	16 mm	3475 mm	3.47 m	0.00 m	0.00 m	0.00 m	10.43 m	2096.07 cm ³	16.45 kg	0.87	
16 mm: 2							20.85 m	4192.14 cm ³	32.91 kg	1.74	

Lampiran 8 : Bar Bending Schedule Kolom K1

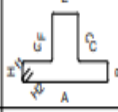
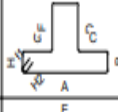
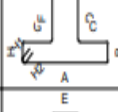
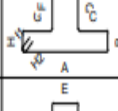
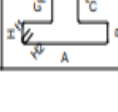
Kolom K1													
Partition	Bar Diameter	Bar Length	A	B	C	D	E	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
K1	10 mm	2025 mm	0.44 m	0.44 m	0.16 m	0.16 m	0.00 m	18	36.45 m	2862.78 cm ³	22.47 kg	3.04	
K1	10 mm	500 mm	0.03 m	0.44 m	0.28 m	0.38 m	0.04 m	18	9.00 m	706.86 cm ³	5.55 kg	0.75	
K1	10 mm	2025 mm	0.44 m	0.44 m	0.16 m	0.16 m	0.00 m	8	16.20 m	1272.35 cm ³	9.99 kg	1.35	
K1	10 mm	2025 mm	0.44 m	0.44 m	0.16 m	0.16 m	0.00 m	25	50.63 m	3976.08 cm ³	31.21 kg	4.22	
K1	10 mm	500 mm	0.03 m	0.43 m	0.27 m	0.37 m	0.04 m	18	9.00 m	706.86 cm ³	5.55 kg	0.75	
K1	10 mm	500 mm	0.03 m	0.44 m	0.28 m	0.38 m	0.04 m	8	4.00 m	314.16 cm ³	2.47 kg	0.33	
K1	10 mm	500 mm	0.03 m	0.43 m	0.27 m	0.37 m	0.04 m	8	4.00 m	314.16 cm ³	2.47 kg	0.33	
K1	10 mm	500 mm	0.03 m	0.44 m	0.28 m	0.38 m	0.04 m	25	12.50 m	981.75 cm ³	7.71 kg	1.04	
K1	10 mm	500 mm	0.03 m	0.43 m	0.27 m	0.37 m	0.04 m	25	12.50 m	981.75 cm ³	7.71 kg	1.04	
9								153	154.28 m	12116.73 cm ³	95.12 kg	12.86	
K1	19 mm	5950 mm	0.44 m	1.41 m	0.06 m	4.08 m	0.00 m	3	17.85 m	5060.99 cm ³	39.73 kg	1.49	
K1	19 mm	16700 mm	16.69 m	0.00 m	0.00 m	0.00 m	0.00 m	1	16.70 m	4734.93 cm ³	37.17 kg	1.39	
K1	19 mm	16700 mm	16.69 m	0.00 m	0.00 m	0.00 m	0.00 m	1	16.70 m	4734.93 cm ³	37.17 kg	1.39	
K1	19 mm	1900 mm	1.72 m	0.20 m	0.00 m	0.00 m	0.00 m	3	5.70 m	1616.11 cm ³	12.69 kg	0.48	
K1	19 mm	1875 mm	1.69 m	0.20 m	0.00 m	0.00 m	0.00 m	3	5.63 m	1594.85 cm ³	12.52 kg	0.47	
K1	19 mm	5550 mm	1.41 m	0.06 m	4.08 m	0.04 m	0.00 m	3	16.65 m	4720.75 cm ³	37.06 kg	1.39	
6								14	79.23 m	22462.56 cm ³	176.33 kg	6.60	

Lampiran 9 : Bar Bending Schedule Kolom K2

Kolom K2													
Partition	Bar Diameter	Bar Length	A	B	C	D	E	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
K2	8 mm	1075 mm	0.24 m	0.24 m	0.08 m	0.08 m	0.00 m	20	21.50 m	1080.71 cm ³	8.48 kg	1.79	
K2	8 mm	300 mm	0.03 m	0.24 m	0.12 m	0.23 m	0.03 m	20	6.00 m	301.59 cm ³	2.37 kg	0.50	
K2	8 mm	1075 mm	0.24 m	0.24 m	0.08 m	0.08 m	0.00 m	8	8.60 m	432.28 cm ³	3.39 kg	0.72	
K2	8 mm	300 mm	0.03 m	0.24 m	0.12 m	0.23 m	0.03 m	8	2.40 m	120.64 cm ³	0.95 kg	0.20	
K2	8 mm	1075 mm	0.24 m	0.24 m	0.08 m	0.08 m	0.00 m	24	25.80 m	1296.85 cm ³	10.18 kg	2.15	
K2	8 mm	300 mm	0.03 m	0.24 m	0.12 m	0.23 m	0.03 m	24	7.20 m	361.91 cm ³	2.84 kg	0.60	
6								104	71.50 m	3593.98 cm ³	28.21 kg	5.96	
K2	16 mm	1925 mm	1.82 m	0.11 m	0.00 m	0.00 m	0.00 m	3	5.78 m	1161.13 cm ³	9.11 kg	0.48	
K2	16 mm	1950 mm	1.85 m	0.11 m	0.00 m	0.00 m	0.00 m	3	5.85 m	1176.21 cm ³	9.23 kg	0.49	
K2	16 mm	4850 mm	3.94 m	0.06 m	0.84 m	0.03 m	0.00 m	3	14.55 m	2925.45 cm ³	22.96 kg	1.21	
K2	16 mm	4850 mm	3.95 m	0.06 m	0.84 m	0.03 m	0.00 m	3	14.55 m	2925.45 cm ³	22.96 kg	1.21	
4								12	40.73 m	8188.25 cm ³	64.28 kg	3.39	

Lampiran 10 : Bar Bending Schedule Kolom KT

T KOLOM													
Partiton	Bar Diameter	Bar Length	A	B	C	D	E	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail

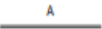
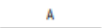
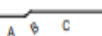
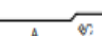
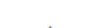
T KLM	10 mm	1825 mm	0.44 m	0.14 m	0.16 m	0.31 m	0.14 m	19	34.68 m	2723.37 cm ³	21.38	2.89	
T KLM	10 mm	1825 mm	0.44 m	0.14 m	0.16 m	0.31 m	0.14 m	12	21.90 m	1720.02 cm ³	13.50	1.83	
T KLM	10 mm	1825 mm	0.44 m	0.14 m	0.16 m	0.31 m	0.14 m	24	43.80 m	3440.04 cm ³	27.00	3.65	
T KLM	10 mm	1825 mm	0.44 m	0.14 m	0.16 m	0.31 m	0.14 m	18	32.85 m	2580.03 cm ³	20.25	2.74	
T KLM	10 mm	1825 mm	0.44 m	0.14 m	0.16 m	0.31 m	0.14 m	11	20.08 m	1576.69 cm ³	12.38	1.67	
T KLM	10 mm	1825 mm	0.44 m	0.14 m	0.16 m	0.31 m	0.14 m	25	45.63 m	3583.38 cm ³	28.13	3.80	

2.64 m 0.84 m 0.96 m 1.86 m 0.84 m 109 198.93 m 15623.53 cm³ 122.64 16.58

T KLM	16 mm	1700 mm	1.68 m	0.00 m	0.00 m	0.00 m	0.00 m	4	6.80 m	1367.22 cm ³	10.73	0.57	
T KLM	16 mm	1700 mm	1.68 m	0.00 m	0.00 m	0.00 m	0.00 m	4	6.80 m	1367.22 cm ³	10.73	0.57	

Lampiran 10 : Bar Bending Schedule Kolom KT (Lanjutan)

T KOLOM													
Partiton	Bar Diameter	Bar Length	A	B	C	D	E	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail

T KLM	16 mm	1700 mm	1.69 m	0.00 m	0.00 m	0.00 m	0.00 m	2	3.40 m	683.61 cm ³	5.37	0.28	
T KLM	16 mm	1725 mm	1.70 m	0.00 m	0.00 m	0.00 m	0.00 m	2	3.45 m	693.66 cm ³	5.45	0.29	
T KLM	16 mm	5525 mm	1.47 m	0.06 m	3.99 m	0.05 m	0.00 m	2	11.05 m	2221.73 cm ³	17.44	0.92	
T KLM	16 mm	5525 mm	1.47 m	0.06 m	3.99 m	0.05 m	0.00 m	2	11.05 m	2221.73 cm ³	17.44	0.92	
T KLM	16 mm	5500 mm	4.00 m	0.04 m	1.47 m	0.04 m	0.00 m	4	22.00 m	4423.36 cm ³	34.72	1.83	
T KLM	16 mm	5500 mm	4.00 m	0.04 m	1.47 m	0.04 m	0.00 m	4	22.00 m	4423.36 cm ³	34.72	1.83	
T KLM	16 mm	1650 mm	1.64 m	0.00 m	0.00 m	0.00 m	0.00 m	4	6.60 m	1327.01 cm ³	10.42	0.55	
T KLM	16 mm	1650 mm	1.64 m	0.00 m	0.00 m	0.00 m	0.00 m	4	6.60 m	1327.01 cm ³	10.42	0.55	
T KLM	16 mm	1650 mm	1.65 m	0.00 m	0.00 m	0.00 m	0.00 m	2	3.30 m	663.50 cm ³	5.21	0.28	

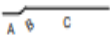
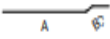
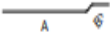
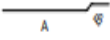
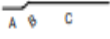
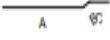
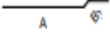
Lampiran 10 : Bar Bending Schedule Kolom KT (Lanjutan)

T KOLOM													
Partiton	Bar Diameter	Bar Length	A	B	C	D	E	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail

T KLM	16 mm	1650 mm	1.65 m	0.00 m	0.00 m	0.00 m	0.00 m	2	3.30 m	663.50 cm ³	5.21	0.28	
T KLM	16 mm	5450 mm	1.42 m	0.06 m	3.98 m	0.05 m	0.00 m	2	10.90 m	2191.58 cm ³	17.20	0.91	
T KLM	16 mm	5450 mm	1.41 m	0.06 m	3.98 m	0.05 m	0.00 m	2	10.90 m	2191.58 cm ³	17.20	0.91	
T KLM	16 mm	5450 mm	3.98 m	0.04 m	1.43 m	0.04 m	0.00 m	4	21.80 m	4383.15 cm ³	34.41	1.82	
T KLM	16 mm	5450 mm	3.98 m	0.04 m	1.43 m	0.04 m	0.00 m	4	21.80 m	4383.15 cm ³	34.41	1.82	
T KLM	16 mm	4825 mm	0.81 m	0.06 m	3.96 m	0.05 m	0.00 m	2	9.65 m	1940.25 cm ³	15.23	0.80	
T KLM	16 mm	4825 mm	3.96 m	0.06 m	0.81 m	0.05 m	0.00 m	2	9.65 m	1940.25 cm ³	15.23	0.80	
T KLM	16 mm	4825 mm	3.97 m	0.04 m	0.82 m	0.04 m	0.00 m	4	19.30 m	3880.50 cm ³	30.46	1.61	
T KLM	16 mm	4825 mm	3.97 m	0.04 m	0.82 m	0.04 m	0.00 m	4	19.30 m	3880.50 cm ³	30.46	1.61	

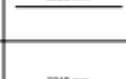
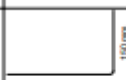
Lampiran 10 : Bar Bending Schedule Kolom KT (Lanjutan)

T KOLOM													
Partition	Bar Diameter	Bar Length	A	B	C	D	E	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail

T KLM	16 mm	4825 mm	0.81 m	0.06 m	3.96 m	0.05 m	0.00 m	2	9.65 m	1940.25 cm ³	15.23	0.80	
T KLM	16 mm	4825 mm	3.96 m	0.06 m	0.81 m	0.05 m	0.00 m	2	9.65 m	1940.25 cm ³	15.23	0.80	
T KLM	16 mm	4825 mm	3.97 m	0.04 m	0.82 m	0.04 m	0.00 m	4	19.30 m	3880.50 cm ³	30.46	1.61	
T KLM	16 mm	4825 mm	3.97 m	0.04 m	0.82 m	0.04 m	0.00 m	4	19.30 m	3880.50 cm ³	30.46	1.61	
T KLM	16 mm	4100 mm	0.81 m	0.06 m	3.24 m	0.05 m	0.00 m	2	8.20 m	1648.71 cm ³	12.94	0.68	
T KLM	16 mm	4075 mm	3.20 m	0.06 m	0.81 m	0.05 m	0.00 m	2	8.15 m	1638.65 cm ³	12.86	0.68	
T KLM	16 mm	4100 mm	3.25 m	0.04 m	0.82 m	0.04 m	0.00 m	4	16.40 m	3297.42 cm ³	25.88	1.37	
T KLM	16 mm	4100 mm	3.25 m	0.04 m	0.82 m	0.04 m	0.00 m	4	16.40 m	3297.42 cm ³	25.88	1.37	

70.99 m 1.04 m 40.29 m 0.87 m 0.00 m 84 336.70 m 67697.55 cm³ 531.43 28.06

Lampiran 11 : Bar Bending Schedule Balok B1 40X70

B1 40X70													
Partiton	Bar Diameter	Bar Length	A	B	C	D	E	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
B1 40X70	10 mm	2025 mm	0.34 m	0.64 m	0.06 m	0.06 m	0.00 m	12	24.30 m	1908.52 cm³	14.98 kg	2.03	
B1 40X70	10 mm	2025 mm	0.34 m	0.64 m	0.06 m	0.06 m	0.00 m	11	22.28 m	1749.47 cm³	13.73 kg	1.86	
B1 40X70	10 mm	2025 mm	0.34 m	0.64 m	0.06 m	0.06 m	0.00 m	12	24.30 m	1908.52 cm³	14.98 kg	2.03	
B1 40X70	10 mm	1600 mm	1.60 m	0.00 m	0.00 m	0.00 m	0.00 m	2	3.20 m	251.33 cm³	1.97 kg	0.27	
B1 40X70	10 mm	1600 mm	1.60 m	0.00 m	0.00 m	0.00 m	0.00 m	2	3.20 m	251.33 cm³	1.97 kg	0.27	
B1 40X70	10 mm	2275 mm	2.25 m	0.00 m	0.00 m	0.00 m	0.00 m	2	4.55 m	357.36 cm³	2.81 kg	0.38	
B1 40X70	10 mm	2250 mm	2.25 m	0.00 m	0.00 m	0.00 m	0.00 m	2	4.50 m	353.43 cm³	2.77 kg	0.38	
B1 40X70	10 mm	2750 mm	2.75 m	0.00 m	0.00 m	0.00 m	0.00 m	2	5.50 m	431.97 cm³	3.39 kg	0.46	
B1 40X70	10 mm	2775 mm	2.75 m	0.00 m	0.00 m	0.00 m	0.00 m	2	5.55 m	435.90 cm³	3.42 kg	0.46	
10 mm: 9								47			60.04 kg	8.11	
B1 40X70	22 mm	1725 mm	1.60 m	0.00 m	0.00 m	0.00 m	0.00 m	5	8.63 m	3278.64 cm³	25.74 kg	0.72	
B1 40X70	22 mm	1725 mm	0.15 m	1.60 m	0.00 m	0.00 m	0.00 m	3	5.18 m	1967.19 cm³	15.44 kg	0.43	
B1 40X70	22 mm	2250 mm	2.25 m	0.00 m	0.00 m	0.00 m	0.00 m	3	6.75 m	2565.90 cm³	20.14 kg	0.56	
B1 40X70	22 mm	2275 mm	2.25 m	0.00 m	0.00 m	0.00 m	0.00 m	5	11.38 m	4324.01 cm³	33.94 kg	0.95	
B1 40X70	22 mm	2775 mm	2.75 m	0.00 m	0.00 m	0.00 m	0.00 m	5	13.88 m	5274.34 cm³	41.40 kg	1.16	
B1 40X70	22 mm	2750 mm	2.75 m	0.00 m	0.00 m	0.00 m	0.00 m	3	8.25 m	3136.09 cm³	24.62 kg	0.69	
22 mm: 6								24			161.29 kg	4.50	

Lampiran 12 : Bar Bending Schedule Balok B1 30x60

Balok B1 30X60											
Partiton	Bar Diameter	Bar Length	A	B	C	D	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)
B1 30X60	10 mm	1625 mm	0.24 m	0.54 m	0.06 m	0.06 m	12	19.50 m	1531.53 cm ³	12.02 kg	1.63
B1 30X60	10 mm	5450 mm	5.44 m	0.00 m	0.00 m	0.00 m	2	10.90 m	856.08 cm ³	6.72 kg	0.91
B1 30X60	10 mm	5450 mm	5.44 m	0.00 m	0.00 m	0.00 m	2	10.90 m	856.08 cm ³	6.72 kg	0.91
B1 30X60	10 mm	1625 mm	0.24 m	0.54 m	0.06 m	0.06 m	11	17.88 m	1403.90 cm ³	11.02 kg	1.49
B1 30X60	10 mm	1625 mm	0.24 m	0.54 m	0.06 m	0.06 m	12	19.50 m	1531.53 cm ³	12.02 kg	1.63
							39	78.68 m		48.51 kg	6.56
B1 30X60	22 mm	5450 mm	5.44 m	0.00 m	0.00 m	0.00 m	3	16.35 m	6215.17 cm ³	48.79 kg	1.36
B1 30X60	22 mm	5450 mm	5.44 m	0.00 m	0.00 m	0.00 m	3	16.35 m	6215.17 cm ³	48.79 kg	1.36
							6	32.70 m		97.58 kg	2.73

Lampiran 13 : Bar Bending Schedule Balok B2 25x50

B2 25X50											
Partition	Bar Diameter	Bar Length	A	B	C	D	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
B2 25X50	10 mm	1325 mm	0.44 m	0.19 m	0.06 m	0.06 m	15.90 m	1248.78 cm ³	9.80 kg	1.33	
B2 25X50	10 mm	1325 mm	0.44 m	0.19 m	0.06 m	0.06 m	19.88 m	1560.98 cm ³	12.25 kg	1.66	
B2 25X50	10 mm	1325 mm	0.44 m	0.19 m	0.06 m	0.06 m	15.90 m	1248.78 cm ³	9.80 kg	1.33	
B2 25X50	10 mm	5350 mm	5.34 m	0.00 m	0.00 m	0.00 m	10.70 m	840.38 cm ³	6.60 kg	0.89	
B2 25X50	10 mm	5350 mm	5.34 m	0.00 m	0.00 m	0.00 m	10.70 m	840.38 cm ³	6.60 kg	0.89	
10 mm: 5							73.08 m	5739.30 cm ³	45.05 kg	6.09	
B2 25X50	19 mm	5350 mm	5.35 m	0.00 m	0.00 m	0.00 m	16.05 m	4550.64 cm ³	35.72 kg	1.34	
B2 25X50	19 mm	5350 mm	5.34 m	0.00 m	0.00 m	0.00 m	16.05 m	4550.64 cm ³	35.72 kg	1.34	
19 mm: 2							32.10 m	9101.27 cm ³	71.44 kg	2.68	

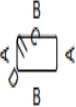
Lampiran 14 : Bar Bending Schedule Balok B2'A 25x50

B2'A 25X50												
Partition	Bar Diameter	Bar Length	A	B	C	D	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
B2A 25X50	10 mm	2700 mm	2.70 m	0.00 m	0.00 m	0.00 m	2	5.40 m	424.12 cm ³	3.33 kg	0.45	
B2A 25X50	10 mm	2800 mm	2.79 m	0.00 m	0.00 m	0.00 m	2	5.60 m	439.82 cm ³	3.45 kg	0.47	
B2A 25X50	10 mm	1325 mm	0.44 m	0.19 m	0.06 m	0.06 m	22	29.15 m	2289.44 cm ³	17.97 kg	2.43	
							26	40.15 m		24.75 kg	3.35	
B2A 25X50	19 mm	2800 mm	2.79 m	0.00 m	0.00 m	0.00 m	3	8.40 m	2381.64 cm ³	18.70 kg	0.70	
B2A 25X50	19 mm	2800 mm	2.79 m	0.00 m	0.00 m	0.00 m	3	8.40 m	2381.64 cm ³	18.70 kg	0.70	
							6	16.80 m		37.39 kg	1.40	

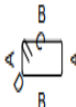
Lampiran 15 : Bar Bending Schedule Balok B2'B 25x50

B2'B 25X50												
Partition	Bar Diameter	Bar Length	A	B	C	D	Quantity	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
B2B 25X50	10 mm	1325 mm	0.44 m	0.19 m	0.06 m	0.06 m	31	41.08 m	3226.02 cm³	25.32 kg	3.42	
B2B 25X50	10 mm	3525 mm	3.52 m	0.00 m	0.00 m	0.00 m	2	7.05 m	553.71 cm³	4.35 kg	0.59	
B2B 25X50	10 mm	3525 mm	3.52 m	0.00 m	0.00 m	0.00 m	2	7.05 m	553.71 cm³	4.35 kg	0.59	
							35	55.18 m		34.02 kg	4.60	
B2B 25X50	19 mm	3525 mm	3.52 m	0.00 m	0.00 m	0.00 m	3	10.58 m	2998.32 cm³	23.54 kg	0.88	
B2B 25X50	19 mm	3525 mm	3.52 m	0.00 m	0.00 m	0.00 m	3	10.58 m	2998.32 cm³	23.54 kg	0.88	
							6	21.15 m		47.07 kg	1.76	

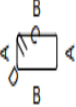
Lampiran 16 : Bar Bending Schedule Balok B2'C 25x50

B2'C 25X50											
Partition	Bar Diameter	Bar Length	A	B	C	D	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
B2C 25X50	10 mm	1325 mm	0.19 m	0.44 m	0.06 m	0.06 m	27.83 m	2185.37 cm ³	17.16 kg	2.32	
B2C 25X50	10 mm	2475 mm	2.47 m	0.00 m	0.00 m	0.00 m	4.95 m	388.77 cm ³	3.05 kg	0.41	
B2C 25X50	10 mm	2475 mm	2.47 m	0.00 m	0.00 m	0.00 m	4.95 m	388.77 cm ³	3.05 kg	0.41	
10 mm: 3							37.73 m	2962.91 cm ³	23.26 kg	3.14	
B2C 25X50	19 mm	2475 mm	2.47 m	0.00 m	0.00 m	0.00 m	7.43 m	2105.20 cm ³	16.53 kg	0.62	
B2C 25X50	19 mm	2475 mm	2.47 m	0.00 m	0.00 m	0.00 m	7.43 m	2105.20 cm ³	16.53 kg	0.62	
19 mm: 2							14.85 m	4210.40 cm ³	33.05 kg	1.24	

Lampiran 17 : Bar Bending Schedule Balok B2'D 25x50

B2'D 25X50											
Partition	Bar Diameter	Bar Length	A	B	C	D	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
B2D 25X50	10 mm	1325 mm	0.19 m	0.44 m	0.06 m	0.06 m	29.15 m	2289.44 cm ³	17.97 kg	2.43	
B2D 25X50	10 mm	2775 mm	2.77 m	0.00 m	0.00 m	0.00 m	5.55 m	435.90 cm ³	3.42 kg	0.46	
B2D 25X50	10 mm	2775 mm	2.77 m	0.00 m	0.00 m	0.00 m	5.55 m	435.90 cm ³	3.42 kg	0.46	
10 mm: 3						40.25 m	3161.23 cm ³	24.82 kg	3.35		
B2D 25X50	19 mm	2775 mm	2.77 m	0.00 m	0.00 m	0.00 m	8.33 m	2360.38 cm ³	18.53 kg	0.69	
B2D 25X50	19 mm	2775 mm	2.77 m	0.00 m	0.00 m	0.00 m	8.33 m	2360.38 cm ³	18.53 kg	0.69	
19 mm: 2						16.65 m	4720.75 cm ³	37.06 kg	1.39		

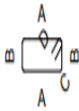
Lampiran 18 : Bar Bending Schedule Balok B2'E 25x50

B2'D 25X50											
Partition	Bar Diameter	Bar Length	A	B	C	D	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
B2E 25X50	10 mm	1325 mm	0.19 m	0.44 m	0.06 m	0.06 m	18.55 m	1456.91 cm ³	11.44 kg	1.55	
B2E 25X50	10 mm	1850 mm	1.84 m	0.00 m	0.00 m	0.00 m	3.70 m	290.60 cm ³	2.28 kg	0.31	
B2E 25X50	10 mm	1850 mm	1.84 m	0.00 m	0.00 m	0.00 m	3.70 m	290.60 cm ³	2.28 kg	0.31	
10 mm: 3							25.95 m	2038.11 cm ³	16.00 kg	2.16	
B2E 25X50	19 mm	1850 mm	1.84 m	0.00 m	0.00 m	0.00 m	5.55 m	1573.58 cm ³	12.35 kg	0.46	
B2E 25X50	19 mm	1850 mm	1.84 m	0.00 m	0.00 m	0.00 m	5.55 m	1573.58 cm ³	12.35 kg	0.46	
19 mm: 2							11.10 m	3147.17 cm ³	24.71 kg	0.93	

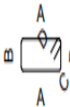
Lampiran 19 : Bar Bending Schedule Ring Balok B2 20X40

B2 ATAP											
Partition	Bar Diameter	Bar Length	A	B	C	D	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
B2 20X40	10 mm	1025 mm	0.14 m	0.34 m	0.06 m	0.06 m	13.33 m	1046.54 cm ³	8.22 kg	1.11	
B2 20X40	10 mm	5250 mm	5.24 m	0.00 m	0.00 m	0.00 m	5.25 m	412.33 cm ³	3.24 kg	0.44	
B2 20X40	10 mm	5250 mm	5.24 m	0.00 m	0.00 m	0.00 m	5.25 m	412.33 cm ³	3.24 kg	0.44	
B2 20X40	10 mm	1025 mm	0.14 m	0.34 m	0.06 m	0.06 m	11.28 m	885.54 cm ³	6.95 kg	0.94	
B2 20X40	10 mm	1025 mm	0.14 m	0.34 m	0.06 m	0.06 m	13.33 m	1046.54 cm ³	8.22 kg	1.11	
10 mm: 5							48.43 m	3803.29 cm ³	29.86 kg	4.04	
B2 20X40	19 mm	5250 mm	5.24 m	0.00 m	0.00 m	0.00 m	15.75 m	4465.58 cm ³	35.05 kg	1.31	
B2 20X40	19 mm	5250 mm	5.24 m	0.00 m	0.00 m	0.00 m	15.75 m	4465.58 cm ³	35.05 kg	1.31	
19 mm: 2							31.50 m	8931.16 cm ³	70.11 kg	2.63	

Lampiran 20 : Bar Bending Schedule Ring Balok B2' A 20X40

B2'A 20X40											
Partition	Bar Diameter	Bar Length	A	B	C	D	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
B2A 20X40	10 mm	1025 mm	0.34 m	0.14 m	0.06 m	0.06 m	24.60 m	1932.08 cm ³	15.17 kg	2.05	
B2A 20X40	10 mm	2700 mm	2.70 m	0.00 m	0.00 m	0.00 m	2.70 m	212.06 cm ³	1.66 kg	0.23	
B2A 20X40	10 mm	2700 mm	2.70 m	0.00 m	0.00 m	0.00 m	2.70 m	212.06 cm ³	1.66 kg	0.23	
10 mm: 3		30.00 m					2356.19 cm ³	18.50 kg	2.50		
B2A 20X40	19 mm	2700 mm	2.70 m	0.00 m	0.00 m	0.00 m	8.10 m	2296.58 cm ³	18.03 kg	0.68	
B2A 20X40	19 mm	2700 mm	2.70 m	0.00 m	0.00 m	0.00 m	8.10 m	2296.58 cm ³	18.03 kg	0.68	
19 mm: 2		16.20 m					4593.17 cm ³	36.06 kg	1.35		

Lampiran 21 : Bar Bending Schedule Ring Balok B2'B 20X40

B2'B 20X40											
Partition	Bar Diameter	Bar Length	A	B	C	D	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
B2B 20X40	10 mm	1025 mm	0.34 m	0.14 m	0.06 m	0.06 m	26.65 m	2093.09 cm ³	16.43 kg	2.22	
B2B 20X40	10 mm	3000 mm	2.99 m	0.00 m	0.00 m	0.00 m	3.00 m	235.62 cm ³	1.85 kg	0.25	
B2B 20X40	10 mm	3000 mm	2.99 m	0.00 m	0.00 m	0.00 m	3.00 m	235.62 cm ³	1.85 kg	0.25	
10 mm: 3							32.65 m	2564.33 cm ³	20.13 kg	2.72	
B2B 20X40	19 mm	3000 mm	2.99 m	0.00 m	0.00 m	0.00 m	9.00 m	2551.76 cm ³	20.03 kg	0.75	
B2B 20X40	19 mm	3000 mm	2.99 m	0.00 m	0.00 m	0.00 m	9.00 m	2551.76 cm ³	20.03 kg	0.75	
19 mm: 2							18.00 m	5103.52 cm ³	40.06 kg	1.50	

Lampiran 22 : Bar Bending Schedule Ring Balok B2'C 20X40

B2'C 20X40											
Partition	Bar Diameter	Bar Length	A	B	C	D	Total Bar Length	Reinforcement Volume	Berat Besi	Jumlah Besi (Batang)	Bending Detail
B2C 20X40	10 mm	1025 mm	0.34 m	0.14 m	0.06 m	0.06 m	30.75 m	2415.10 cm ³	18.96 kg	2.56	
B2C 20X40	10 mm	3475 mm	3.47 m	0.00 m	0.00 m	0.00 m	3.48 m	272.93 cm ³	2.14 kg	0.29	
B2C 20X40	10 mm	3475 mm	3.47 m	0.00 m	0.00 m	0.00 m	3.48 m	272.93 cm ³	2.14 kg	0.29	
10 mm: 3							37.70 m	2960.95 cm ³	23.24 kg	3.14	
B2C 20X40	19 mm	3475 mm	3.47 m	0.00 m	0.00 m	0.00 m	10.43 m	2955.79 cm ³	23.20 kg	0.87	
B2C 20X40	19 mm	3475 mm	3.47 m	0.00 m	0.00 m	0.00 m	10.43 m	2955.79 cm ³	23.20 kg	0.87	
19 mm: 2							20.85 m	5911.57 cm ³	46.41 kg	1.74	

Lampiran 23 : Lembar Bimbingan Tugas Akhir



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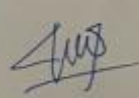
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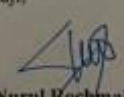
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No	URAIAN PERBAIKAN	PARAF DOSEN (setelah perbaikan)
	- perbaiki ltr blkg - perbaiki gambar hal 15 - Detail gambar pile Cap, lane mile dsr - bahas tiap kaitan turan dari hasil test - kurva S dari proyeksi	 19/10/26

Dari Sidang Tugas Akhir yang telah dilakukan maka mahasiswa dinyatakan:

☐ : Lulus tanpa perbaikan
☒ : Lulus dengan perbaikan
☐ : Dilakukan Sidang TA ulang

(Dosen Penguji dapat memberikan tanda centang (✓) pada kotak yang tersedia)

Surabaya, 29 Oktober 2025
Penguji,

(Ir. Nurul Rochmah, S.T., M.T., M.Sc.)

Lampiran 3

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NBI/NIM : 1432100013

**Judul : Analisis Volume Biaya Dan Waktu Pada Pekerjaan Struktur Rsud
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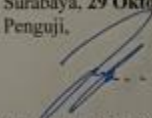
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2.	DED	
3.	As built ? → validasi	
4.	Babasan → 1. people — 2.	

Dari Sidang Tugas Akhir yang telah dilakukan maka mahasiswa dinyatakan:

- ☐ : Lulus tanpa perbaikan
☐ : Lulus dengan perbaikan
☐ : Dilakukan Sidang TA ulang

(Dosen Penguji dapat memberikan tanda centang (✓) pada kotak yang tersedia)

Surabaya, 29 Oktober 2025
Penguji,


(Ir. Bantot Sutriano, M.Sc.)

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NBI/NIM : 1432100013

Judul : Analisis Volume Biaya Dan Waktu Pada Pekerjaan Struktur Rsud
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Memerintahkan untuk memperbaiki dokumen Tugas Akhir (TA) Sebagai berikut :

No	URAIAN PERBAIKAN	PARAF DOSEN (setelah perbaikan)
	<i>Semua catatan pengisi</i>	<i>Maun</i> 19/10/25

Dari Sidang Tugas Akhir yang telah dilakukan maka mahasiswa dinyatakan:

- ☐ : Lulus tanpa perbaikan
☐ : Lulus dengan perbaikan
☐ : Dilakukan Sidang TA ulang

(Dosen Penguji dapat memberikan tanda centang (✓) pada kotak yang tersedia)

Surabaya, 29 Oktober 2025
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Maun
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Lampiran 24 : Lembar Revisi Sidang Tugas Akhir

Lampiran 3



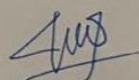
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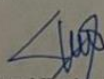
Memerintahkan untuk memperbaiki dokumen Tugas Akhir (TA) Sebagai berikut :

No	URAIAN PERBAIKAN	PARAF DOSEN (setelah perbaikan)
	- perbaiki 1 hr blng - perbaiki gambar hal 15 - Detail gambar pile Cap, lane rule dsr - bahas tiap waktu turun dari hasil test - kurva S dari proyeksi	 19/11/26

Dari Sidang Tugas Akhir yang telah dilakukan maka mahasiswa dinyatakan:

☐ : Lulus tanpa perbaikan
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☐ : Dilakukan Sidang TA ulang

(Dosen Penguji dapat memberikan tanda centang (✓) pada kotak yang tersedia)

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Memerintahkan untuk memperbaiki dokumen Tugas Akhir (TA) Sebagai berikut :

No	URAIAN PERBAIKAN	PARAF DOSEN (setelah perbaikan)
1.	Konvensional ?	
2.	DED	
3.	As built ? → Validasi	
4.	Babisa → 1. People — 2.	

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- ☐ : Lulus tanpa perbaikan
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☐ : Dilakukan Sidang TA ulang

(Dosen Penguji dapat memberikan tanda centang (✓) pada kotak yang tersedia)

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Memerintahkan untuk memperbaiki dokumen Tugas Akhir (TA) Sebagai berikut :

No	URAIAN PERBAIKAN	PARAF DOSEN (setelah perbaikan)
	<i>Semua catatan pengisi</i>	<i>Maun</i> 19/11/25

Dari Sidang Tugas Akhir yang telah dilakukan maka mahasiswa dinyatakan:

- ☐ : Lulus tanpa perbaikan
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☐ : Dilakukan Sidang TA ulang

(Dosen Penguji dapat memberikan tanda centang (✓) pada kotak yang tersedia)

Surabaya, 29 Oktober 2025
Penguji,

Maun
(Ir. Michella Beatrix, S.T., M.T.)

Lampiran 25 : Hasil Nilai *Plagiarsm*

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