

Lampiran 1

Data Pengukuran Tinggi Muka Air Model Test Bendungan Gongseng



**DATA PENGUKURAN TINGGI MUKA AIR
MODEL TEST WADUK GONGSENG
KABUPATEN BOJONEGORO PROPINSI JAWA TIMUR**

Diukur : Team Peneliti Tgl : 10 Nopember 2011
 Debit (Q) : 90,46 = Q2th IPG : 49,7 =EL. 89,00
 PELIMPAH Skala : 1 : 50

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
II		47.80	47.90	47.80	89.95	89.90	89.95	89.93	4.95	4.90	4.95	4.93
1	10	47.90	47.80	47.80	89.90	89.95	89.95	89.93	4.90	4.95	4.95	4.93
0	10	48.20	48.20	48.20	89.75	89.75	89.75	89.75	0.75	0.75	0.75	0.75
1	3	51.30	51.20	51.20	88.20	88.25	88.25	88.23	1.34	1.39	1.39	1.38
2	3	55.40	55.50	55.60	86.15	86.10	86.05	86.10	1.44	1.39	1.34	1.39

SALURAN SAMPING Slope : 0.05

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
1		65.80	63.60	63.50	80.95	82.05	82.10	81.70	0.64	1.74	1.79	1.39
2	41.5	66.30	64.40	64.10	80.70	81.65	81.80	81.38	1.44	2.39	2.54	2.12
3	42	67.00	65.70	65.50	80.35	81.00	81.10	80.82	1.34	1.99	2.09	1.80
4	10	67.20	65.90	65.80	80.25	80.90	80.95	80.70	1.24	1.89	1.94	1.69

SALURAN TRANSISI Slope : 0.0066

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
5	14	66.80	66.90	66.50	80.45	80.40	80.60	80.48	1.45	1.40	1.60	1.49
6	21.5	66.90	67.20	66.50	80.40	80.23	80.60	80.41	1.41	1.24	1.61	1.42
7	20	66.90	66.90	66.55	80.40	80.38	80.58	80.45	1.42	1.39	1.59	1.47
8	20	67.00	67.10	66.90	80.35	80.28	80.40	80.34	1.37	1.30	1.42	1.36
9	20	3.85	3.8	3.90	80.90	80.87	80.92	80.90	1.93	1.90	1.95	1.93
10	20	3.80	3.5	3.90	80.87	80.72	80.92	80.83	1.90	1.75	1.95	1.87
11	15	3.95	3.7	4.00	80.94	80.81	80.96	80.90	1.97	1.85	2.00	1.94
12	30	3.80	3.7	4.00	80.85	80.80	80.95	80.87	1.90	1.85	2.00	1.92
13	30	3.55	3.5	3.90	80.72	80.69	80.89	80.77	1.78	1.75	1.95	1.83
14	17	3.45	3.3	3.65	80.66	80.59	80.76	80.67	1.72	1.65	1.83	1.73
15	21	3.45	3.1	3.60	80.66	80.48	80.73	80.62	1.72	1.55	1.80	1.69
16	20	3.40	3.1	3.50	80.63	80.48	80.68	80.59	1.70	1.55	1.75	1.67
17	20	3.05	2.9	3.10	80.44	80.37	80.47	80.43	1.53	1.45	1.55	1.51
18	20	3.00	3.0	3.00	80.41	80.41	80.41	80.41	1.50	1.50	1.50	1.50

SALURAN PELUNCUR Slope : 0.200

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
19	15	2.75	67.80	2.90	80.03	79.93	80.10	80.02	1.38	1.28	1.45	1.37
20	14	1.65	69.30	1.70	79.30	79.18	79.32	79.26	0.83	0.71	0.85	0.79
21	14	1.35	71.70	1.40	78.00	77.98	78.03	78.00	0.67	0.65	0.70	0.67
22	12	1.15	74.40	1.20	76.68	76.63	76.70	76.67	0.58	0.53	0.60	0.57
23	15	1.25	77.80	1.30	74.90	74.93	74.93	74.92	0.63	0.65	0.65	0.64
24	21	1.10	81.90	1.15	73.03	72.88	73.05	72.98	0.55	0.40	0.58	0.51
25	20	0.95	86.00	1.00	70.88	70.83	70.90	70.87	0.47	0.42	0.50	0.47
26	20	0.75	90.40	0.85	68.68	68.63	68.73	68.68	0.38	0.32	0.42	0.38
27	20	0.80	94.50	0.85	66.68	66.58	66.70	66.65	0.40	0.30	0.42	0.37
28	20	0.90	98.40	0.95	64.73	64.63	64.75	64.70	0.45	0.35	0.47	0.42
29	18.5	0.80	101.90	0.85	62.85	62.88	62.88	62.87	0.40	0.42	0.42	0.42

STILLING BASIN

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
30	20	7.02		7.05	65.01		65.03	65.02	3.51		3.53	3.52
31	20	7.6		7.5	65.30		65.25	65.28	3.80		3.75	3.78
32	20	7.7		7.7	65.35		65.35	65.35	3.85		3.85	3.85

TERMINAL CHANNEL

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
33	60	97.4	97.4	97.5	65.15	65.15	65.10	65.13	2.65	2.65	2.60	2.63
34	60	97.8	97.8	97.7	64.95	64.95	65.00	64.97	2.45	2.45	2.50	2.47
35	60	98.2	97.9	97.8	64.75	64.90	64.95	64.87	2.25	2.40	2.45	2.37
36	60	99.3	99.7	99.3	64.20	64.00	64.20	64.13	1.70	1.50	1.70	1.63

HILIR Slope: 0.002

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
37	20	99.40	99.20	99.00	64.15	64.25	64.35	64.25	1.63	1.73	1.83	1.73
38	30	100.70	100.70	100.10	63.50	63.50	63.80	63.60	0.96	0.96	1.26	1.06
39	30	100.70	99.90	100.70	63.50	63.90	63.50	63.63	0.93	1.33	0.93	1.07
40	25	100.80	100.50	100.70	63.45	63.60	63.50	63.52	0.86	1.01	0.91	0.93
41	40	100.4	100.7	100.5	63.65	63.50	63.60	63.58	1.03	0.88	0.98	0.96
42	40	99.8	100.4	100.6	63.95	63.65	63.55	63.72	1.30	1.00	0.90	1.06
43	40	100.7	100.6	100.7	63.50	63.55	63.50	63.52	0.81	0.86	0.81	0.83
44	40	101.4	101.3	101.4	63.15	63.20	63.15	63.17	0.43	0.48	0.43	0.45
45	40	101.8	101.4	101.7	62.95	63.15	63.00	63.03	0.20	0.40	0.25	0.28

**DATA PENGUKURAN TINGGI MUKA AIR
MODEL TEST WADUK GONGSENG
KABUPATEN BOJONEGORO PROPINSI JAWA TIMUR**

Diukur : Team Peneliti Tgl : 10 Nopember 2011
 Debit (Q) : 90,46 = Q100th IPG : 49,7 =EL. 89,00
 Skala : 1 : 50

PELIMPAH

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		El. Prototipe	Kiri	As	
II		46.40	46.40	46.40	90.65	90.65	90.65	90.65	5.65	5.65	5.65	5.65
I	10	46.40	46.40	46.40	90.65	90.65	90.65	90.65	5.65	5.65	5.65	5.65
0	10	46.90	46.80	46.80	90.40	90.45	90.45	90.43	1.40	1.45	1.45	1.43
1	3	49.20	49.10	49.60	89.25	89.30	89.05	89.20	2.39	2.44	2.19	2.34
2	3	52.60	52.70	52.60	87.55	87.50	87.55	87.53	2.84	2.79	2.84	2.82

SALURAN SAMPIING

Slope : 0.05

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		El. Prototipe	Kiri	As	
1		60.80	60.70	56.90	83.45	83.50	85.40	84.12	3.14	3.19	5.09	3.80
2	41.5	60.80	60.70	58.10	83.45	83.50	84.80	83.92	4.19	4.24	5.54	4.65
3	42	62.50	62.80	60.30	82.60	82.45	83.70	82.92	3.59	3.44	4.69	3.90
4	10	61.80	63.30	61.30	82.95	82.20	83.20	82.78	3.94	3.19	4.19	3.77

SALURAN TRANSISI

Slope : 0.0006

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		El. Prototipe	Kiri	As	
5	14	9.20	56.70	9.50	83.60	82.85	83.75	83.40	4.60	3.85	4.75	4.40
6	21.5	7.20	57.40	7.60	82.59	82.50	82.79	82.63	3.60	3.51	3.80	3.64
7	20	7.00	57.40	8.00	82.48	82.50	82.98	82.66	3.50	3.52	4.00	3.67
8	20	7.25	57.30	8.15	82.60	82.55	83.05	82.73	3.63	3.57	4.08	3.76
9	20	7.40	57.50	7.75	82.67	82.45	82.85	82.66	3.70	3.48	3.88	3.68
10	20	7.35	57.50	7.65	82.64	82.45	82.79	82.63	3.68	3.48	3.83	3.66
11	15	7.50	57.30	7.95	82.71	82.55	82.94	82.73	3.75	3.59	3.97	3.77
12	30	7.50	57.70	7.00	82.70	82.35	82.45	82.50	3.75	3.40	3.50	3.55
13	30	7.10	58.20	6.30	82.49	82.10	82.09	82.23	3.55	3.16	3.15	3.29
14	17	7.00	58.00	6.95	82.44	82.20	82.41	82.35	3.50	3.26	3.47	3.41
15	21	6.70	58.20	6.95	82.28	82.10	82.41	82.26	3.35	3.17	3.47	3.33
16	20	6.55	58.00	6.75	82.20	82.20	82.30	82.23	3.28	3.27	3.38	3.31
17	20	6.30	58.60	6.45	82.07	81.90	82.14	82.04	3.15	2.98	3.22	3.12
18	20	5.95	59.00	6.00	81.89	81.70	81.91	81.83	2.97	2.79	3.00	2.92

SALURAN PELUNCUR

Slope : 0.2

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		El. Prototipe	Kiri	As	
19	15	5.80	65.20	5.30	81.55	81.23	81.30	81.36	2.90	2.57	2.65	81.36
20	14	4.70	66.80	4.35	80.82	80.43	80.65	80.63	2.35	1.96	2.18	80.63
21	14	3.85	69.80	3.50	79.25	78.93	79.08	79.08	1.93	1.60	1.75	79.08
22	12	3.20	72.70	3.10	77.70	77.48	77.65	77.61	1.60	1.38	1.55	77.61
23	15	3.05	75.10	3.00	75.80	76.28	75.78	75.95	1.53	2.00	1.50	75.95
24	21	2.35	80.40	2.70	73.65	73.63	73.83	73.70	1.18	1.15	1.35	73.70
25	20	2.20	84.80	2.40	71.50	71.43	71.60	71.51	1.10	1.03	1.20	71.51
26	20	2.00	89.00	2.25	69.30	69.33	69.43	69.35	1.00	1.02	1.13	69.35
27	20	2.10	93.20	2.30	67.33	67.23	67.43	67.33	1.05	0.95	1.15	67.33
28	20	2.10	97.40	2.80	65.33	65.13	65.68	65.38	1.05	0.85	1.40	65.38
29	18.5	2.00	101.00	2.00	63.45	63.33	63.45	63.41	1.00	0.88	1.00	63.41

STILLING BASIN

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		El. Prototipe	Kiri	As	
30	20	4.0		4.0	63.50		63.50	63.50	2.00		2.00	2.00
31	20	12.25		11.5	67.63		67.25	67.44	6.13		5.75	5.94
32	20	12.05		11.75	67.53		67.38	67.45	6.03		5.88	5.95

TERMINAL CHANNEL

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		El. Prototipe	Kiri	As	
33	60	93.8	94	94.1	66.95	66.85	66.80	66.87	4.45	4.35	4.30	4.37
34	60	94.4	94.6	94.7	66.65	66.55	66.50	66.57	4.15	4.05	4.00	4.07
35	60	95.2	95.1	94.9	66.25	66.30	66.40	66.32	3.75	3.80	3.90	3.82
36	60	96.8	96.8	96.4	65.45	65.45	65.65	65.52	2.95	2.95	3.15	3.02

HILIR

Slope : 0.002

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		El. Prototipe	Kiri	As	
37	20	96.70	96.80	97.80	65.50	65.45	64.95	65.30	2.98	2.93	2.43	2.78
38	30	97.10	97.60	97.60	65.30	65.05	65.05	65.13	2.76	2.51	2.51	2.59
39	30	97.10	97.30	97.60	65.30	65.20	65.05	65.18	2.73	2.63	2.48	2.62
40	25	97.40	96.70	97.10	65.15	65.50	65.30	65.32	2.56	2.91	2.71	2.73
41	40	96.6	97	96.8	65.55	65.35	65.45	65.45	2.93	2.73	2.83	2.83
42	40	95.8	96.5	96.4	65.95	65.60	65.65	65.73	3.30	2.95	3.00	3.08
43	40	96.4	96.9	96.9	65.65	65.40	65.40	65.48	2.96	2.71	2.71	2.80
44	40	98.2	97.9	97.8	64.75	64.90	64.95	64.87	2.03	2.18	2.23	2.15
45	40	99.6	99.8	99.7	64.05	63.95	64.00	64.00	1.30	1.20	1.25	1.25

**DATA PENGUKURAN TINGGI MUKA AIR
MODEL TEST WADUK GONGSENG
KABUPATEN BOJONEGORO PROPINSI JAWA TIMUR**

Diukur : Team Peneliti
Debit (Q) : 90,46 m³/dt = Q2th
PELIMPAH

Tgl : 23 Nopember 2011
IPG : 104.3 =EL. 61.50
Skala : 1 : 50

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
II		47.80	47.90	47.80	89.95	89.90	89.95	89.93	4.95	4.90	4.95	4.93
I	10	47.90	47.80	47.80	89.90	89.95	89.95	89.93	4.90	4.95	4.95	4.93
0	10	48.20	48.20	48.20	89.75	89.75	89.75	89.75	0.75	0.75	0.75	0.75
1	3	51.30	51.20	51.20	88.20	88.25	88.25	88.23	1.34	1.39	1.39	1.38
2	3	55.40	55.50	55.60	86.15	86.10	86.05	86.10	1.44	1.39	1.34	1.39

Slope : 0.05

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
1		65.80	63.60	63.50	80.95	82.05	82.10	81.70	0.64	1.74	1.79	1.39
2	41.5	66.30	64.40	64.10	80.70	81.65	81.80	81.38	1.44	2.39	2.54	2.12
3	42	66.40	65.70	65.50	80.65	81.00	81.10	80.92	1.64	1.99	2.09	1.90
4	10	66.50	65.90	65.80	80.60	80.90	80.95	80.82	1.59	1.89	1.94	1.80

Slope : 0.0005

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
5	14	66.80	66.90	66.50	80.45	80.40	80.60	80.48	1.85	1.80	2.00	1.89
6	21.5	66.90	67.20	66.50	80.40	80.23	80.60	80.41	1.81	1.63	2.01	1.82
7	20	66.90	66.90	66.55	80.40	80.38	80.58	80.45	1.81	1.79	1.99	1.86
8	20	67.00	67.10	66.90	80.35	80.28	80.40	80.34	1.77	1.69	1.82	1.76
9	20	3.85	3.8	3.90	80.50	80.48	80.53	80.50	1.93	1.90	1.95	1.93
10	20	3.80	3.5	3.90	80.47	80.32	80.52	80.44	1.90	1.75	1.95	1.87
11	15	3.95	3.7	4.00	80.54	80.42	80.57	80.51	1.97	1.85	2.00	1.94
12	30	3.80	3.7	4.00	80.46	80.41	80.56	80.48	1.90	1.85	2.00	1.92
13	30	3.55	3.5	3.90	80.33	80.30	80.50	80.38	1.78	1.75	1.95	1.83
14	17	3.45	3.3	3.65	80.27	80.20	80.37	80.28	1.72	1.65	1.83	1.73
15	21	3.45	3.1	3.60	80.27	80.09	80.34	80.23	1.72	1.55	1.80	1.69
16	20	3.40	3.1	3.50	80.24	80.09	80.29	80.20	1.70	1.55	1.75	1.67
17	20	3.05	2.9	3.10	80.06	79.98	80.08	80.04	1.53	1.45	1.55	1.51
18	20	3.00	3.0	3.00	80.03	80.03	80.03	80.03	1.50	1.50	1.50	1.50

Slope : 0.200

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
19	15	2.75	67.80	2.90	79.88	79.95	79.95	79.93	1.38	1.45	1.45	1.43
20	14	1.65	69.30	1.70	79.30	79.20	79.32	79.27	0.83	0.73	0.85	0.80
21	14	1.35	71.70	1.40	78.00	78.00	78.03	78.01	0.67	0.67	0.70	0.68
22	12	1.15	74.40	1.20	76.68	76.65	76.70	76.68	0.58	0.55	0.60	0.58
23	15	1.25	77.80	1.30	74.90	74.95	74.93	74.93	0.63	0.67	0.65	0.65
24	21	1.10	81.90	1.15	73.03	72.90	73.05	72.99	0.55	0.43	0.58	0.52
25	20	0.95	86.00	1.00	70.88	70.85	70.90	70.88	0.47	0.45	0.50	0.47
26	20	0.75	90.40	0.85	68.68	68.65	68.73	68.68	0.38	0.35	0.42	0.38
27	20	0.80	94.50	0.85	66.68	66.60	66.70	66.66	0.40	0.32	0.42	0.38
28	20	0.90	98.40	0.95	64.73	64.65	64.75	64.71	0.45	0.38	0.47	0.43
29	18.5	0.80	101.90	0.85	62.85	62.90	62.88	62.88	0.40	0.45	0.42	0.42

Slope : 0.6

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
30	20	10.5	93.80	10.7	66.75	66.75	66.85	66.78	5.25	5.25	5.35	5.28
31	20	10.8	93.90	11	66.90	66.70	66.87	66.87	5.40	5.20	5.50	5.37
32	29	10.5	94.00	10.7	66.75	66.65	66.85	66.75	5.25	5.15	5.35	5.25

Slope : 0.6

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
33	26	93.80	93.80	94.00	66.75	66.75	66.65	66.72	1.75	1.75	1.65	1.72
34	28	94.00	94.30	94.40	66.65	66.50	66.45	66.53	1.65	1.50	1.45	1.53
35	40	94.10	94.20	94.20	66.60	66.55	66.55	66.48	1.50	1.45	1.50	1.48
36	40	94.20	94.30	94.30	66.55	66.50	66.50	66.52	1.55	1.50	1.50	1.52
37	40	94.30	94.40	94.30	66.50	66.45	66.50	66.57	1.60	1.55	1.55	1.57
38	40	94.70	94.70	94.80	66.30	66.30	66.25	66.28	1.30	1.30	1.25	1.28
39	40	94.90	95.10	95.00	66.20	66.10	66.15	66.15	1.20	1.10	1.15	1.15
40	40	96.00	95.40	95.80	65.65	65.95	65.75	65.78	0.65	0.95	0.75	0.78

Slope : 0.006

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
41	42	96.60	96.00	97.10	65.35	65.65	65.10	65.37	2.47	2.77	2.22	2.49
42	40	96.60	96.60	96.80	65.35	65.35	65.25	65.32	2.58	2.58	2.48	2.55
43	40	97.30	97.10	97.10	65.00	65.10	65.10	65.07	2.35	2.45	2.45	2.42
44	40	97.70	98.10	98.40	64.80	64.60	64.45	64.62	2.26	2.06	1.91	2.08
45	40	98.30	98.70	98.50	64.50	64.30	64.40	64.40	2.08	1.88	1.98	1.98
46	40	100.30	100.40	100.50	63.50	63.45	63.40	63.45	1.19	1.14	1.09	1.14
47	40	101.20	101.30	101.10	63.05	63.00	63.10	63.05	0.86	0.81	0.91	0.86
48	60	102.60	102.60	102.40	62.35	62.35	62.45	62.38	0.33	0.33	0.43	0.36
49	48	102.60	102.80	102.90	62.35	62.25	62.20	62.27	0.46	0.36	0.31	0.38

**DATA PENGUKURAN TINGGI MUKA AIR
MODEL TEST WADUK GONGSENG
KABUPATEN BOJONEGORO PROPINSI JAWA TIMUR**

Diukur : Team Peneliti Tgl : 24 November 2011
 Debit (Q) : 258.00m³/dt = Q100th IPG : 99.4 =EL. 61.50
 PELIMPAH Skala : 1 : 50

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
II		46.40	46.40	46.40	90.65	90.65	90.65	90.65	5.65	5.65	5.65	5.65
I	10	46.40	46.40	46.40	90.65	90.65	90.65	90.65	5.65	5.65	5.65	5.65
0	10	46.80	46.80	46.90	90.45	90.45	90.40	90.43	1.45	1.45	1.40	1.43
1	3	48.90	49.00	49.10	89.40	89.35	89.30	89.35	2.54	2.49	2.44	2.49
2	3	52.60	52.70	52.60	87.55	87.50	87.55	87.53	2.84	2.79	2.84	2.82

SALURAN SAMPING Slope : 0.05

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
1		60.80	60.70	56.90	83.45	83.50	85.40	84.12	3.14	3.19	5.09	3.80
2	41.5	60.80	60.70	58.10	83.45	83.50	84.80	83.92	4.19	4.24	5.54	4.65
3	42	62.50	62.80	60.30	82.60	82.45	83.70	82.92	3.59	3.44	4.69	3.90
4	10	61.80	63.30	61.30	82.95	82.20	83.20	82.78	3.94	3.19	4.19	3.77

SALURAN TRANSISI Slope : 0.0005

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
5	14	9.20	56.70	10.00	83.20	82.85	83.60	82.49	4.60	4.25	5.00	3.89
6	21.5	7.20	57.40	7.60	82.19	82.50	82.39	82.36	3.60	3.91	3.80	3.77
7	20	7.00	57.40	8.00	82.09	82.50	82.59	82.39	3.50	3.91	4.00	3.80
8	20	7.25	57.30	8.15	82.21	82.55	82.66	82.47	3.63	3.97	4.08	3.89
9	20	7.40	57.50	7.75	82.28	82.45	82.45	82.39	3.70	3.87	3.88	3.82
10	20	7.35	57.50	7.65	82.25	82.45	82.40	82.36	3.68	3.88	3.83	3.79
11	15	7.50	57.30	7.95	82.32	82.55	82.54	82.35	3.75	3.98	3.97	3.79
12	30	7.50	57.70	7.00	82.31	82.35	82.06	82.24	3.75	3.79	3.50	3.68
13	30	7.10	58.20	6.30	82.10	82.10	81.70	81.97	3.55	3.55	3.15	3.42
14	17	7.00	58.00	6.95	82.05	82.20	82.02	82.09	3.50	3.65	3.47	3.54
15	21	6.70	58.20	6.95	81.89	82.10	82.02	82.00	3.35	3.56	3.47	3.46
16	20	6.55	58.00	6.75	81.81	82.20	81.91	81.98	3.28	3.66	3.38	3.44
17	20	6.30	58.60	6.45	81.68	81.90	81.76	81.78	3.15	3.37	3.22	3.25
18	20	5.95	59.00	6.00	81.50	81.70	81.53	81.58	2.97	3.17	3.00	3.05

SALURAN PELUNCUR Slope : 0.200

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
19	15	5.80	59.60	5.30	81.40	81.40	81.15	81.32	2.90	2.90	2.65	2.82
20	14	4.70	61.00	4.35	80.82	80.70	80.65	80.72	2.35	2.23	2.18	2.25
21	14	3.85	64.00	3.50	79.25	79.20	79.08	79.18	1.93	1.88	1.75	1.85
22	12	3.20	66.90	3.10	77.70	77.75	77.65	77.70	1.60	1.65	1.55	1.60
23	15	3.05	69.40	3.00	75.80	76.50	75.78	76.03	1.53	2.22	1.50	1.75
24	21	2.35	74.90	2.70	73.65	73.75	73.83	73.74	1.18	1.28	1.35	1.27
25	20	2.20	79.20	2.40	71.50	71.60	71.60	71.57	1.10	1.20	1.20	1.17
26	20	2.00	83.40	2.25	69.30	69.50	69.43	69.41	1.00	1.20	1.13	1.11
27	20	2.10	87.60	2.30	67.33	67.40	67.43	67.38	1.05	1.13	1.15	1.11
28	20	2.10	91.90	2.20	65.33	65.25	65.38	65.32	1.05	0.97	1.10	1.04
29	18.5	2.20	94.80	2.00	63.55	63.80	63.45	63.60	1.10	1.35	1.00	1.15

STILLING BASIN

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
30	20	12	88.80	12.2	67.50	66.80	67.60	67.30	6.00	5.30	6.10	5.80
31	20	12.5	86.00	12.6	67.75	68.20	67.80	67.92	6.25	6.70	6.30	6.42
32	29	12.5	86.30	13	67.75	68.05	68.00	67.93	6.25	6.55	6.50	6.43

TERMINAL CHANNEL

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
33	26	86.40	86.40	86.40	68.00	68.00	68.00	68.00	3.00	3.00	3.00	3.00
34	28	87.00	87.50	87.30	67.70	67.45	67.55	67.57	2.70	2.45	2.55	2.57
35	40	86.40	86.70	86.40	68.00	67.85	68.00	67.95	3.00	2.85	3.00	2.95
36	40	86.70	86.40	86.60	67.85	68.00	67.90	67.92	2.85	3.00	2.90	2.92
37	40	86.80	86.90	87.00	67.80	67.75	67.70	68.00	2.80	2.75	2.70	3.00
38	40	87.30	87.40	87.40	67.55	67.50	67.50	67.52	2.55	2.50	2.50	2.52
39	40	87.70	87.40	87.60	67.35	67.50	67.40	67.42	2.35	2.50	2.40	2.42
40	40	89.00	88.70	89.10	66.70	66.85	66.65	66.73	1.70	1.85	1.65	1.73

HILIR Slope : 0.006

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototipe			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototipe	Kiri	As	Kanan	(m)
41	42	90.20	91.20	91.00	66.10	65.60	65.70	65.80	3.22	2.72	2.82	2.92
42	40	90.20	90.40	90.60	66.10	66.00	65.90	66.00	3.33	3.23	3.13	3.23
43	40	90.80	91.00	90.80	65.80	65.70	65.80	65.77	3.15	3.05	3.15	3.12
44	40	91.50	91.70	91.70	65.45	65.35	65.35	65.38	2.91	2.81	2.81	2.85
45	40	92.50	92.50	92.70	64.95	64.95	64.85	64.92	2.53	2.53	2.43	2.49
46	40	92.70	92.80	93.00	64.85	64.80	64.70	64.78	2.54	2.49	2.39	2.47
47	40	92.70	92.70	92.70	64.85	64.85	64.85	64.85	2.66	2.66	2.66	2.66
48	60	94.70	94.40	94.60	63.85	64.00	63.90	63.92	1.83	1.98	1.88	1.89
49	48	94.40	94.80	94.60	64.00	63.80	63.90	63.90	2.11	1.91	2.01	2.01

**DATA PENGUKURAN TINGGI MUKA AIR
MODEL TEST WADUK GONGSENG
KABUPATEN BOJONEGORO PROPINSI JAWA TIMUR**

Diukur : Team Peneliti
Debit (Q) : 368.560m³/dt = Q1000th

Tgl : 26 Nopember 2011
IPG : 104.8 =EL. 61.50
Skala : 1 : 50

PELIMPAH

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		EL. Prototype	Kiri	As	
II		45.40	45.50	45.50	91.20	91.15	91.15	91.17	6.20	6.15	6.15	6.17
I	10	45.50	45.50	45.60	91.15	91.15	91.10	91.13	6.15	6.15	6.10	6.13
0	10	46.10	46.20	46.20	90.85	90.80	90.80	90.82	1.85	1.80	1.80	1.82
1	3	46.70	46.70	46.30	90.55	90.55	90.75	90.62	3.69	3.69	3.89	3.76
2	3	50.10	49.60	49.50	88.85	89.10	89.15	89.03	4.14	4.39	4.44	4.32

SALURAN SAMPING

Slope : 0.05

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		EL. Prototype	Kiri	As	
1		57.30	57.60	52.90	85.25	85.10	87.45	85.93	4.94	4.79	7.14	5.62
2	41.5	58.30	58.00	55.70	84.75	84.90	86.05	85.23	5.49	5.64	6.79	5.97
3	42	59.60	59.80	57.50	84.10	84.00	85.15	84.42	5.09	4.99	6.14	5.40
4	10	59.00	60.40	56.60	84.40	83.70	85.60	84.57	5.39	4.69	6.59	5.55

SALURAN TRANSISI

Slope : 0.0005

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		EL. Prototype	Kiri	As	
5	14	60.50	59.80	58.40	83.65	84.00	84.70	84.12	5.05	5.40	6.10	5.52
6	21.5	10.30	60.40	9.80	83.74	83.70	83.49	83.64	5.15	5.11	4.90	5.05
7	20	10.80	60.40	10.40	83.99	83.70	83.79	83.82	5.40	5.11	5.20	5.24
8	20	9.80	61.10	9.60	83.48	83.35	83.38	83.40	4.90	4.77	4.80	4.82
9	20	9.60	61.00	9.60	83.38	83.40	83.38	83.38	4.80	4.82	4.80	4.81
10	20	9.70	60.90	9.80	83.42	83.45	83.47	83.45	4.85	4.88	4.90	4.88
11	15	9.90	60.90	10.40	83.52	83.45	83.77	83.58	4.95	4.88	5.20	5.01
12	30	9.10	61.60	9.80	83.11	83.10	83.46	83.22	4.55	4.54	4.90	4.66
13	30	8.60	61.80	9.50	82.85	83.00	83.30	83.05	4.30	4.45	4.75	4.50
14	17	8.80	62.20	8.80	82.95	82.80	82.95	82.90	4.40	4.25	4.40	4.35
15	21	9.20	61.40	9.60	83.14	83.20	83.34	83.23	4.60	4.66	4.80	4.69
16	20	8.60	62.50	8.30	82.84	82.65	82.69	82.73	4.30	4.11	4.15	4.19
17	20	8.20	62.50	8.50	82.63	82.65	82.78	82.69	4.10	4.12	4.25	4.16
18	20	8.10	62.50	7.90	82.58	82.65	82.48	82.57	4.05	4.12	3.95	4.04

SALURAN PELUNCUR

Slope : 0.200

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		EL. Prototype	Kiri	As	
19	15	7.60	63.30	7.70	82.30	82.25	82.35	82.30	3.80	3.75	3.85	3.80
20	14	6.10	64.80	6.50	81.52	81.50	81.72	81.58	3.05	3.03	3.25	3.11
21	14	5.20	68.10	5.20	79.93	79.85	79.93	79.90	2.60	2.52	2.60	2.57
22	12	4.70	71.10	4.70	78.45	78.35	78.45	78.42	2.35	2.25	2.35	2.32
23	15	4.40	73.80	4.50	76.48	77.00	76.53	76.67	2.20	2.72	2.25	2.39
24	21	3.80	79.30	4.00	74.38	74.25	74.48	74.37	1.90	1.78	2.00	1.89
25	20	3.30	83.60	3.40	72.05	72.10	72.10	72.08	1.65	1.70	1.70	1.68
26	20	3.10	88.10	3.30	69.85	69.85	69.95	69.88	1.55	1.55	1.65	1.58
27	20	2.90	92.30	3.50	67.73	67.75	68.03	67.83	1.45	1.47	1.75	1.56
28	20	2.70	96.50	3.40	65.63	65.65	65.98	65.75	1.35	1.38	1.70	1.47
29	18.5	2.50	100.40	3.30	63.70	63.70	64.10	63.83	1.25	1.25	1.65	1.38

STILLING BASIN

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		EL. Prototype	Kiri	As	
30	20	10.6	96.50	10.1	66.80	65.65	66.55	66.33	5.30	4.15	5.05	4.83
31	20	13.5	87.40	13.7	68.25	70.20	68.35	68.93	6.75	8.70	6.85	7.43
32	29	10.2	89.40	10.8	66.60	69.20	66.90	67.57	5.10	7.70	5.40	6.07

TERMINAL CHANNEL

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		EL. Prototype	Kiri	As	
33	26	95.10	94.30	94.90	66.35	66.75	66.45	66.52	1.35	1.75	1.45	1.52
34	28	93.80	93.50	93.20	67.00	67.15	67.30	67.15	2.00	2.15	2.30	2.15
35	40	94.20	94.60	94.30	66.80	66.60	66.75	66.72	1.80	1.60	1.75	1.72
36	40	94.10	93.30	94.80	66.85	67.25	66.50	66.87	1.85	2.25	1.50	1.87
37	40	94.80	94.40	94.10	66.50	66.70	66.85	66.68	1.50	1.70	1.85	1.68
38	40	94.00	93.70	93.90	66.90	67.05	66.95	66.97	1.90	2.05	1.95	1.97
39	40	94.10	94.00	94.10	66.85	66.90	66.85	66.87	1.85	1.90	1.85	1.87
40	40	94.60	93.90	93.90	66.60	66.95	66.95	66.83	1.60	1.95	1.95	1.83

HILIR

Slope : 0.006

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air (m)
		Kiri	As	Kanan	Kiri	As	Kanan		EL. Prototype	Kiri	As	
41	42	96.10	96.10	96.40	65.85	65.85	65.70	65.80	2.97	2.97	2.82	2.92
42	40	94.90	94.70	94.70	66.45	66.55	66.55	66.52	3.68	3.78	3.78	3.75
43	40	95.30	95.30	95.00	66.25	66.25	66.40	66.30	3.60	3.60	3.75	3.65
44	40	95.30	95.60	95.30	66.25	66.10	66.25	66.20	3.71	3.56	3.71	3.66
45	40	95.50	95.80	95.80	66.15	66.00	66.00	66.05	3.73	3.58	3.58	3.63
46	40	95.60	96.00	95.90	66.10	65.90	65.95	65.98	3.79	3.59	3.64	3.67
47	40	96.40	96.50	96.40	65.70	65.65	65.70	65.68	3.51	3.46	3.51	3.49
48	60	97.80	97.60	97.50	65.00	65.10	65.15	65.08	2.98	3.08	3.13	3.06
49	48	98.20	98.60	98.10	64.80	64.60	64.85	64.75	2.91	2.71	2.96	2.86

**DATA PENGUKURAN TINGGI MUKA AIR
MODEL TEST WADUK GONGSENG
KABUPATEN BOJONEGORO PROPINSI JAWA TIMUR**

Diukur : Team Peneliti
Debit (Q) : 786.15m³/dt = QPMF

Tgl : 26 Nopember 2011
IPG : 105.25 =EL. 61.50
Skala : 1 : 50

PELIMPAH

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototype	Kiri	As	Kanan	(m)
II		43.90	44.00	44.00	92.18	92.13	92.13	92.14	7.18	7.13	7.13	7.14
1	10											
0	10	45.10	45.30	45.30	91.58	91.48	91.48	91.51	2.58	2.47	2.47	2.51
1	3											
2	3	49.00	48.00	48.40	89.63	90.13	89.93	89.89	4.91	5.41	5.21	5.18

SALURAN SAMPIING

Slope : 0.05

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototype	Kiri	As	Kanan	(m)
1		50.00	49.50	45.90	89.13	89.38	91.18	89.89	8.81	9.06	10.86	9.58
2	41.5	50.80	50.20	46.60	88.73	89.03	90.83	89.53	9.46	9.76	11.56	10.26
3	42	52.60	53.70	48.70	87.83	87.28	89.78	88.29	8.81	8.26	10.76	9.28
4	10	52.40	54.10	49.10	87.93	87.08	89.58	88.19	8.91	8.06	10.56	9.18

SALURAN TRANSISI

Slope : 0.0005

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototype	Kiri	As	Kanan	(m)
5	14	55.30	54.90	50.10	86.48	86.68	89.08	87.41	7.88	8.08	10.48	8.81
6	21.5	17.00	53.40	17.50	87.09	87.43	87.34	87.29	8.50	8.83	8.75	8.69
7	20	16.30	55.40	17.00	86.74	86.43	87.09	86.75	8.15	7.84	8.50	8.16
8	20	15.40	55.20	16.00	86.28	86.53	86.58	86.46	7.70	7.94	8.00	7.88
9	20	14.80	55.70	15.50	85.98	86.28	86.33	86.19	7.40	7.70	7.75	7.62
10	20	15.80	56.10	16.50	86.47	86.08	86.82	86.46	7.90	7.50	8.25	7.88
11	15	15.50	55.80	16.50	86.32	86.23	86.82	86.45	7.75	7.66	8.25	7.89
12	30	15.30	56.80	16.00	86.21	85.73	86.56	86.16	7.65	7.17	8.00	7.61
13	30	13.80	57.70	14.50	85.45	85.28	85.80	85.51	6.90	6.72	7.25	6.96
14	17	13.00	57.80	14.00	85.05	85.23	85.55	85.27	6.50	6.68	7.00	6.73
15	21	13.50	56.20	14.30	85.29	86.03	85.69	85.67	6.75	7.48	7.15	7.13
16	20	13.00	57.20	15.00	85.04	85.53	86.04	85.53	6.50	6.99	7.50	7.00
17	20	12.00	58.40	13.00	84.53	84.93	85.03	84.83	6.00	6.39	6.50	6.30
18	20	11.40	59.10	11.50	84.23	84.58	84.28	84.36	5.70	6.05	5.75	5.83

SALURAN PELUNCUR

Slope : 0.200

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototype	Kiri	As	Kanan	(m)
19	15	10.70	60.20	11.80	83.85	84.03	84.40	84.09	5.35	5.53	5.90	5.59
20	14	10.30	61.70	10.50	83.62	83.28	83.72	83.54	5.15	4.81	5.25	5.07
21	14	9.00	64.60	9.50	81.83	81.83	82.08	81.91	4.50	4.50	4.75	4.58
22	12	7.90	67.60	8.20	80.05	80.33	80.20	80.19	3.95	4.23	4.10	4.09
23	15	6.70	70.90	7.50	77.63	78.68	78.03	78.11	3.35	4.40	3.75	3.83
24	21	6.50	77.10	7.30	75.73	75.58	76.13	75.81	3.25	3.10	3.65	3.33
25	20	6.70	81.40	6.80	73.75	73.43	73.80	73.66	3.35	3.02	3.40	3.26
26	20	7.00	85.20	6.50	71.80	71.53	71.55	71.63	3.50	3.22	3.25	3.33
27	20	4.50	90.20	6.20	68.53	69.03	69.38	68.98	2.25	2.75	3.10	2.70
28	20	5.50	94.60	6.00	67.03	66.83	67.28	67.04	2.75	2.55	3.00	2.77
29	18.5	4.50	98.60	5.50	64.70	64.83	65.20	64.91	2.25	2.38	2.75	2.46

STILLING BASIN

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototype	Kiri	As	Kanan	(m)
30	20	7.5	99.10	7.0	65.25	64.58	65.00	64.94	3.75	3.08	3.50	3.44
31	20	6.7	99.30	6.5	64.85	64.48	64.75	64.69	3.35	2.97	3.25	3.19
32	29	13	97.20	9.5	68.00	65.53	66.25	66.59	6.50	4.03	4.75	5.09

TERMINAL CHANNEL

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototype	Kiri	As	Kanan	(m)
33	26		93.50				67.38				2.38	2.38
34	28		92.50				67.88				2.88	2.88
35	40		95.00				66.63				1.63	1.63
36	40		95.80				66.23				1.22	1.22
37	40		89.30				69.48				4.47	4.47
38	40		93.20				67.53				2.53	2.53
39	40		93.40				67.43				2.43	2.43
40	40		93.60				67.33				2.33	2.33

HILIR

Slope : 0.006

No sec	Jarak Sec	Bacaan Tinggi Muka Air (Model)			El. Prototype			Rerata	h air (m)			tinggi air
		Kiri	As	Kanan	Kiri	As	Kanan	El. Prototype	Kiri	As	Kanan	(m)
41	42		94.70				66.78				3.90	3.90
42	40		90.70				68.78				6.01	6.01
43	40		91.80				68.23				5.57	5.57
44	40		91.60				68.33				5.79	5.79
45	40		91.30				68.48				6.05	6.05
46	40		91.30				68.48				6.17	6.17
47	40		91.30				68.48				6.28	6.28
48	60		92.20				68.03				6.00	6.00
49	48		93.00				67.63				5.74	5.74