

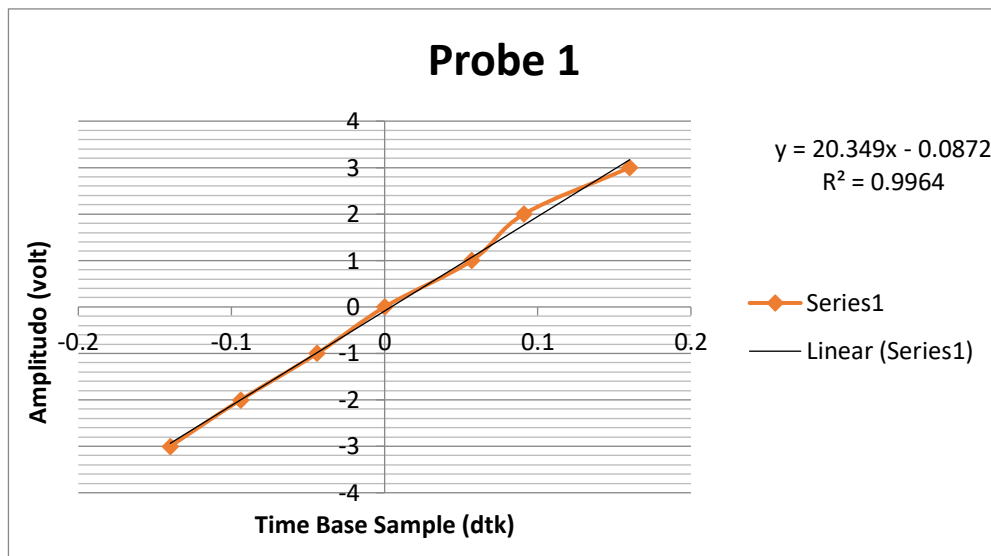
DAFTAR PUSTAKA

- Ahmad, R. (2013). ANALISIS BREAK WATER PADA PELABUHAN TELUK BAYUR DENGAN MENGGUNAKAN BATU ALAM, TETRAPOD, DAN A-JACK. *Jurnal Momentum*, 2.
- Bhakty, T. E., Paotonan, C., Yuwono, N., Ambara, A. I., Edgaloy, Sajiharjo, & Susmono, B. (2009). STUDI MODEL FISIKA KOLAM PENGENDAP SEDIMEN DAN PEREDAM GELOMBANG BENTUK LINGKARAN DI PLTGU CILEGON. *PIT HATHI XXVI*, Banjarmasin.
- CERC. (1984). Shore Protection Manual Volume I. Washington: US Army Coastal Engineering.
- Kurniawan, R., Tugiono, S., Wahono, E. P., & Zakaria, A. (2021). Evaluasi Stabilitas Breakwater pada Kecamatan Panjang. *JRSDD, Volume 9*, 703-714.
- Nastain, Suripin, Yuwono, N., & Sriyana, I. (2022). Refleksi dan Run Up Gelombang melalui Pemecah Gelombang Berlubang Tipe Box Culvert. *DINAMIKA REKAYASA Vol. 18 No. 2*, 141-146.
- Rabung, F., Muhiddin, A. B., Hatta, M. P., & Malik, S. (2015). Deformasi Gelombang Di Pantai Makassar . *Hasil Penelitian Teknologi Terapan*, 2.
- Rendi, & Arifin, J. (2020). PROTOTIP OSCILLATING WATER COLUMB (OWC). *Jurnal Teknik Mesin UNISKA Vol. 5 No. 1*.
- Setyandito, O., & Yuwono, N. (2008). Kajian Stabilitas Pantai Pasir Buatan (1:100) Akibat Gelombang. *Jurnal Teknik Sipil Volume 8 No. 2*, 125.
- Sudirman, M. H., Rabung, F., & Pongmenda, S. (2017). Pengaruh Kedalaman Air Terhadap Transmisi dan Refleksi Gelombang Pada Pemecah Gelombang Komposit Batu dan Balok Kotak. *Jurnal Teknik Sipil Universitas Hasanuddin*, 1.
- Triatmodjo, B. (1999). *Perencanaan Pelabuhan* . Yogyakarta: Beta Offset.
- Triatmodjo, B. (1999). *Teknik Pantai*. Yogyakarta: Beta Offset.
- Wijaya, R. C. (2020). *Mekanika Gelombang Laut dan Sungai*. Bandarlampung: Pusaka Media.

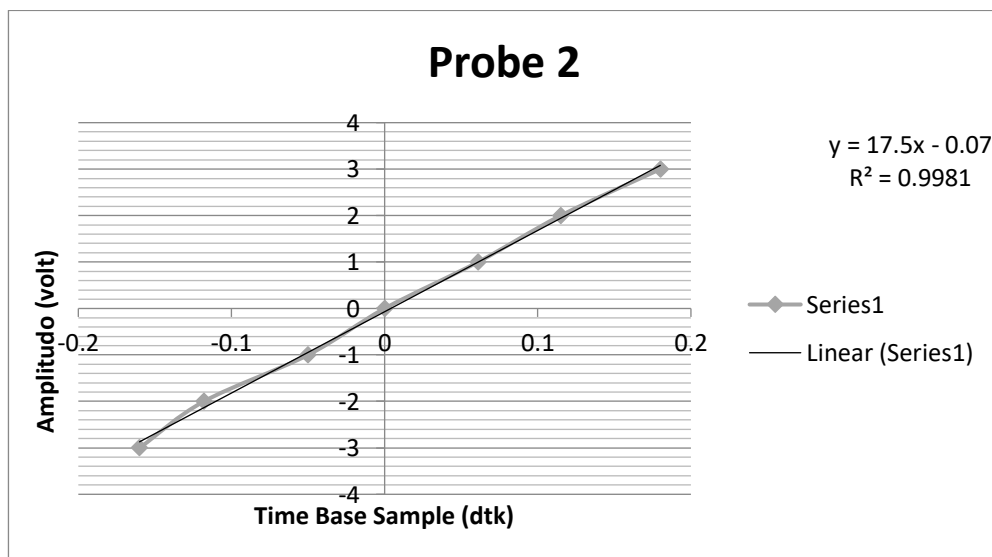
Lampiran 1 Hasil Kalibrasi Wave Probe

Data Kalibrasi Probe (kedalaman d = 24,5 cm)

x	-0.14	-0.094	-0.044	0	0.057	0.091	0.16
y	-3	-2	-1	0	1	2	3

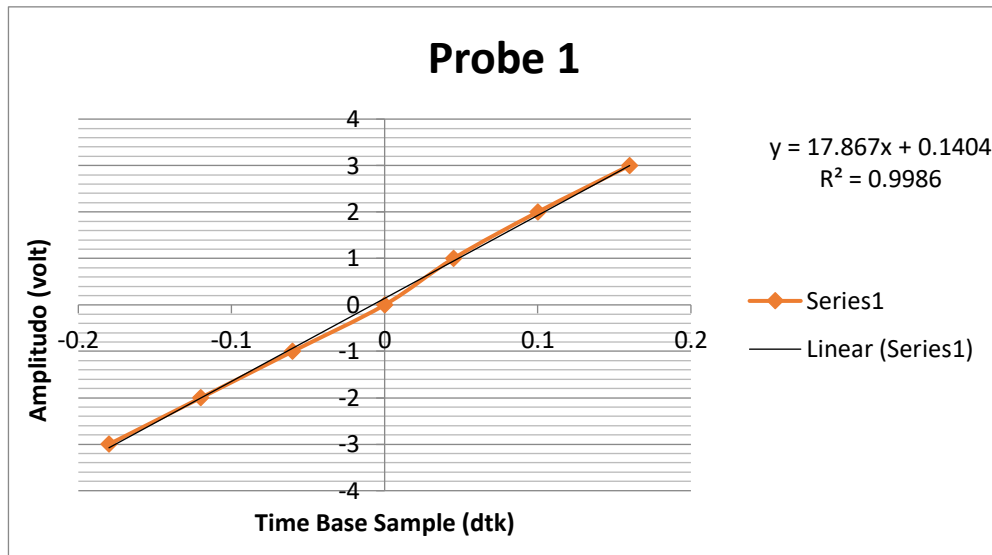


x	-0.16	-0.118	-0.05	0	0.061	0.115	0.18
y	-3	-2	-1	0	1	2	3

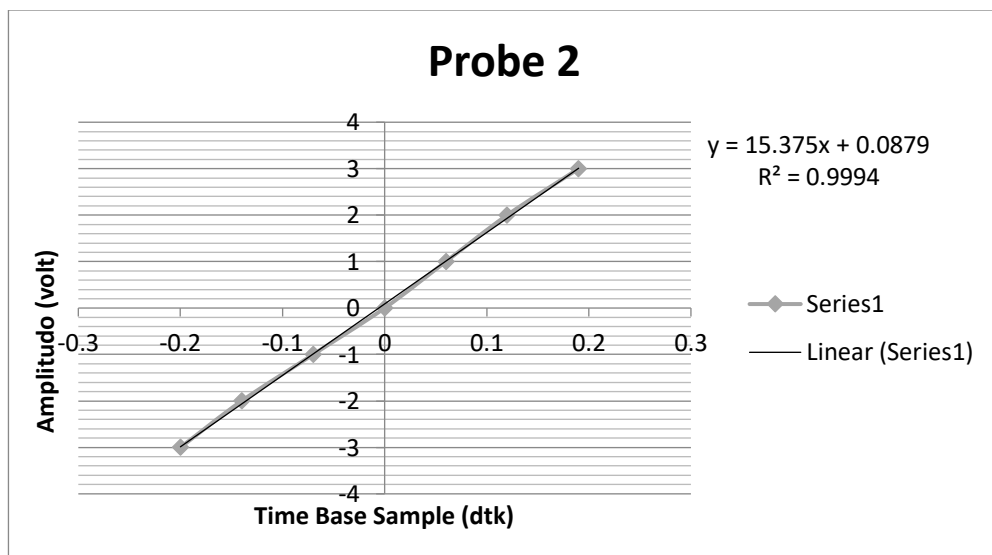


Data Kalibrasi Probe (kedalaman d = 21 cm)

x	-0.18	-0.12	-0.06	0	0.045	0.1	0.16
y	-3	-2	-1	0	1	2	3

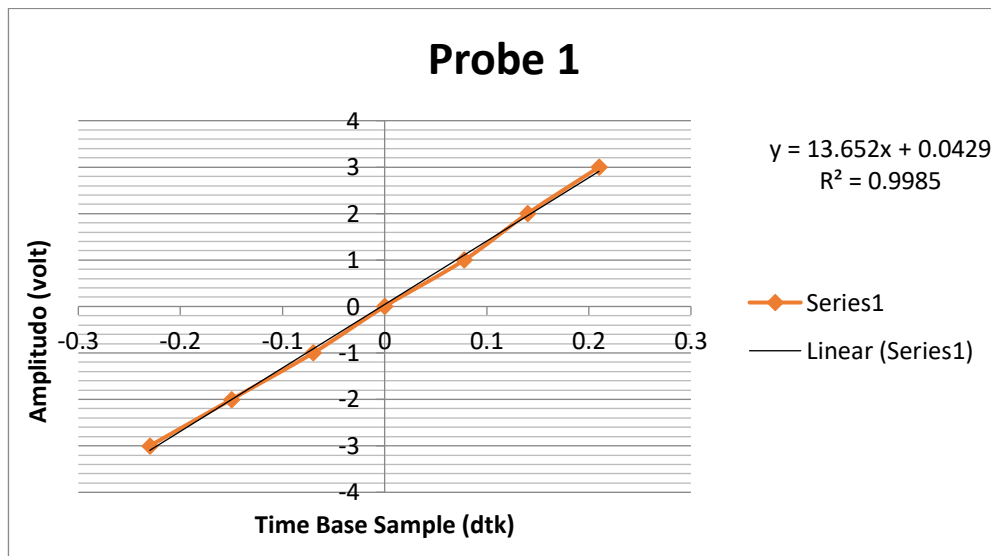


x	-0.2	-0.14	-0.07	0	0.06	0.12	0.19
y	-3	-2	-1	0	1	2	3

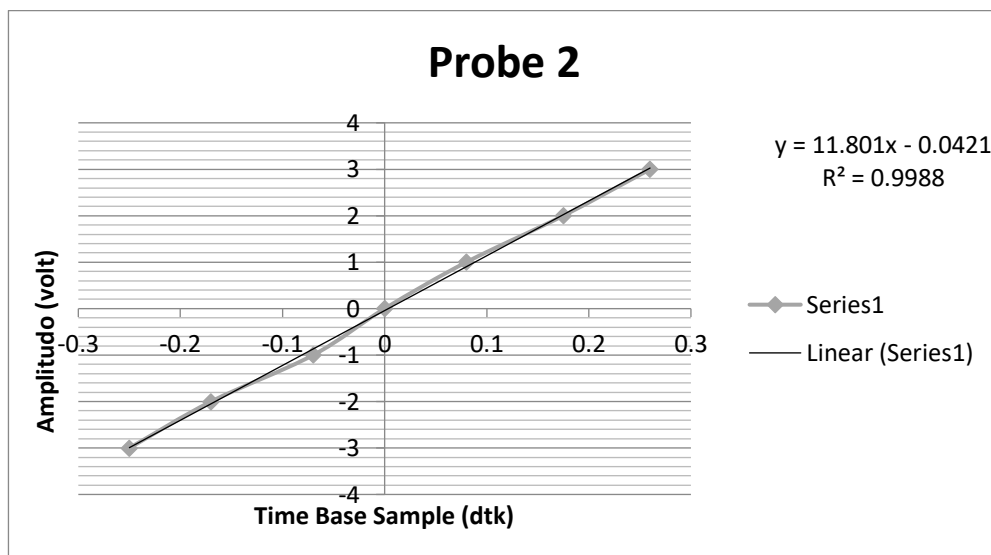


Data Kalibrasi Probe (kedalaman d = 17,5 cm)

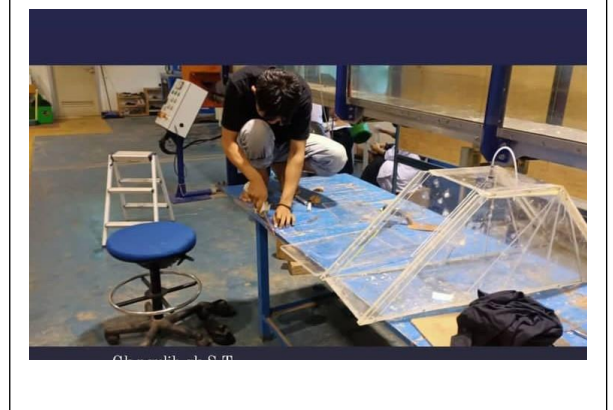
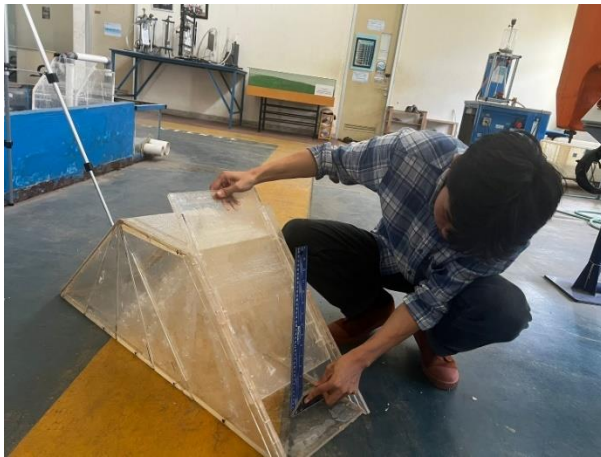
x	-0.23	-0.15	-0.07	0	0.078	0.14	0.21
y	-3	-2	-1	0	1	2	3

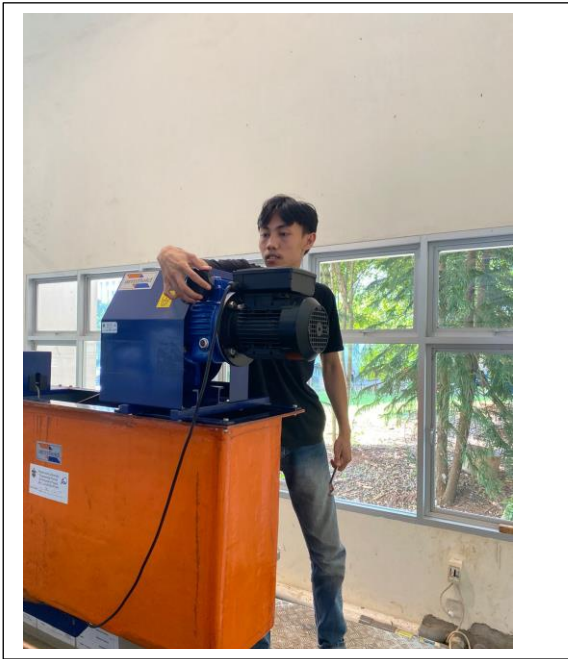


x	-0.25	-0.17	-0.07	0	0.08	0.175	0.26
y	-3	-2	-1	0	1	2	3



Lampiran 2 Dokumentasi

Pembuatan Model *Breakwater*



Proses Kalibrasi Pada Wave Flume

Lampiran 3 Data Penelitian

Runup dan Rundown Model Tertutup

RU Model Tertutup Kedalaman 17.5

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
1.5	1.5	1.5	1	1.5	1.5	1.5	2	1.5
2.5	3	2.5	2.5	3	2.5	2.5	3	3.5
2.5	3.5	4.5	2.5	3.5	4	1.5	2.5	4.5
2.5	3	4.5	2.5	3.5	4	2	3	4
3	3.5	4	2.5	2.5	4	2.5	3	4
2.5	3.5	4.5	2.5	3	3.5	2.5	3	4
2	3.5	4	2.5	3.5	3.5	5	3.5	4.5
2	3.5	4	2.5	3.5	3.5	2.5	3.5	4.5
2	3.5	4	2	3	4	2.5	3.5	4
2.5	3	4.5	2	3	3.5	2.5	4	4.5
2.5	3	5	2	2.5	3.5	2.5	3.5	4.5
3	3	5	2	2.5	3.5	3	3.5	4
3.5	3.5	4.5	2.5	4.5	3.5	2.5	3.5	4
4	4.5	4.5	2.5	2.5	6.5	3	2.5	4.5
2.5	4	5.5	2.5	3.5	4.5	3.5	3.5	5.5
3.5	4	5.5	3	3.5	5.5	2.5	3.5	6
2.5	2.5	6.5	3.5	4.5	6.5	3.5	4	7
2.5	2	3.5	3.5	4.5	7	4.5	2.5	8.5
1.5	1.5	3.5	4	5	7	4.5	4.5	9.5
1.5	1.5	2.5	4.5	6	7	3.5	4	9
0.5	1	1	4.5	7	6	3.5	4.5	8
0.5	0.5	1	4.5	7.5	6.5	3.5	5	7.5
0.5	0.5	0.5	4	7.5	7.5	3.5	5	7.5
1.5	1.5	0.5	4	7.5	8.5	4	5.5	7.5
1.5	1.5	2	4	7.5	8.5	4	5.5	7.5
2	1.5	2.5	3.5	6.5	9	4.5	5.5	8
2.5	0.5	3	4.5	8	8.5	5.5	4	8.5
4	1.5	3.5	4	8.5	6.5	5.5	5	8.5
4.5	2	4.5	4.5	6.5	8.5	5	3.5	7

RD Model Tertutup Kedalaman 17.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-0.5	-1	-1	-1	-1	-0.5	-2	-1	-1.5
-1	-2	-2.5	-2	-2	-1	-2	-1.5	-2.5
-2	-2	-2.5	-2	-2	-2	-2	-2	-2.5
-2	-2.5	-2.5	-2	-2	-2	-2	-2	-3
-2	-2.5	-3	-2	-3	-2.5	-2.5	-2	-3
-2	-2.5	-2.5	-2.5	-3	-2.5	-2	-2	-2.5
-2.5	-2.5	-3	-2.5	-2.5	-3	-2.5	-2.5	-3
-2.5	-2	-3	-2	-2.5	-2.5	-2.5	-3	-3
-2.5	-2.5	-2.5	-3	-2.5	-2.5	-3	-2.5	-2.5
-2.5	-2.5	-3	-3	-2.5	-3	-3.5	-2.5	-2.5
-2	-3	-3	-3	-2.5	-3	-3	-3	-3
-2.5	-3	-3.5	-3	-2.5	-3	-3.5	-3	-4
-3	-3	-3.5	-3.5	-3.5	-3.5	-3.5	-3	-4
-2.5	-3.5	-3.5	-3.5	-3.5	-3.5	-4	-3	-4.5
-2	-3.5	-4	-3.5	-3.5	-3.5	-3.5	-3	-5
-2.5	-2	-4.5	-4	-4	-4	-3.5	-3	-5
-3.5	-2	-3	-3.5	-4.5	-4.5	-3.5	-3.5	-5.5
-4	-1.5	-2.5	-4	-5	-5	-3.5	-2	-5.5
-2	-2	-2.5	-3.5	-5	-5	-3.5	-2.5	-5.5
-2	-2	-1.5	-4	-5	-5	-4.5	-3.5	-6
-2	-2	-2.5	-3.5	-5.5	-5.5	-4.5	-4	-6
-1.5	-1.5	-2.5	-4	-5.5	-5.5	-4.5	-4	-5
-2	-2	-2.5	-4	-5.5	-5.5	-3	-4	-3.5
-2	-2.5	-2.5	-3.5	-6	-6	-3	-4	-4
-2.5	-2.5	-3.5	-4	-6	-6	-4	-4	-4
-2	-2	-3.5	-4.5	-5	-5	-3.5	-2	-5.5
-2.5	-2.5	-4	-4	-3.5	-5	-4	-2.5	-6.5
-2	-2	-3.5	-4	-3.5	-4.5	-3.5	-3.5	-6.5
-2	-2	-4	-4.5	-3.5	-5	-4	-3.5	-6.5

Runup dan Rundown Model Tertutup

4.5	2	6	5	8	7.5	5	4	9.5
2.5	3	7.5	5	7.5	7	6	3.5	8.5
1.5	1.5	8.5	5.5	8	8	6.5	4	8.5
0.5	0.5	5.5	5.5	7.5	10.5	3	5	13.5
0.5	1	3.5	5.5	9.5	12	3.5	6	12.5
1	2.5	1.5	5	10	11.5	2.5	7	9.5
2.5	1.5	2.5	3	11	11.5	3.5	7.5	7.5
3.5	2.5	3	3.5	10	8.5	4.5	8.5	9
3	2.5	5	2.5	10.5	8.5	5.5	8	8
3.5	2.5	5.5	2.5	9	8	6.5	6.5	5.5
3.5	2.5	4	3	9	10	6.5	1.5	12.5
3.5	2.5	3.5	3.5	7.5	8	6.5	3.5	10
4	4.5	3.5	4.5	7.5	9.5	7.5	1	9
5	4.5	4	5	7	10.5	8	2.5	7.5
4	4.5	5.5	5.5	8	14	7.5	2.5	8.5
2	4.5	7	6	8	9.5	1.5	3.5	8
0.5	4.5	8.5	7.5	7.5	9.5	1.5	5.5	7.5
3	2.5	8.5	7.5	7.5	3.5	3	5.5	7.5
3.5	0.5	4.5	8	8.5	6.5	4.5	6.5	9
3.5	0.5	3.5	3.5	10	10.5	5	6	12.5
2.5	2.5	8	4	14.5	14.5	5.5	5.5	5.5
1	4.5	6	3	9.5	6	6.5	2.5	8
2.5	5.5	9	1.5	8.5	7	6.5	3.5	7
3.5	3.5	4.5	1.5	5	11	8	3	8.5
3.5	3	5.5	2.5	8.5	8.5	1.5	2.5	5.5
5.5	2.5	4	4.5	7.5	7.5	4.5	7	7
7.5	1.5	5.5	6	6.5	7.5	9	7.5	5
4.5	0.5	7.5	7	8	8	6.5	7	5
1.5	2.5	8.5	7.5	7.5	8	2.5	8.5	8.5
4.5	3.5	8.5	8	9.5	8.5	2.5	9.5	3
4.5	4.5	4	7.5	10.5	10	1.5	6	5
2.5	4.5	4.5	8.5	11.5	6.5	2.5	4.5	5.5
1.5	4.5	1.5	6	9.5	8	5.5	5.5	7.5

-2.5	-2.5	-3.5	-4	-4	-5	-4.5	-4	-7.5
-3	-2	-4	-3.5	-3.5	-5.5	-5	-3.5	-4.5
-2.5	-2.5	-4.5	-4.5	-4	-4	-3	-3.5	-6
-3	-3	-4	-4.5	-4.5	-5.5	-2	-4	-8
-3	-3	-4.5	-5	-6	-6.5	-1.5	-4.5	-8
-1	-1	-4.5	-5	-8	-6.5	-2.5	-4	-3.5
-1.5	-1.5	-4	-3.5	-8	-6.5	-2.5	-4.5	-7.5
-2.5	-2.5	-3	-5	-8	-7.5	-2.5	-4.5	-6.5
-2.5	-2.5	-3.5	-2.5	-7	-6.5	-3.5	-5.5	-6.5
-3	-3	-5	-3	-4	-6.5	-3.5	-1.5	-6.5
-3.5	-3.5	-3.5	-3.5	-6	-6.5	-4	-2.5	-4
-2.5	-3.5	-4	-4	-5	-5.5	-4.5	-2.5	-4.5
-3	-4	-4.5	-4.5	-7	-7	-4	-3	-4
-3.5	-4	-4	-4	-7.5	-7.5	-4.5	-3.5	-5
-2	-4	-4.5	-4.5	-7	-7	-3.5	-3.5	-5.5
-2.5	-4.5	-4	-5	-4	-5.5	-3.5	-4.5	-4.5
-1	-3	-5	-6	-4	-4.5	-3.5	-3.5	-4.5
-3	-2	-5.5	-6	-5	-4.5	-3.5	-3.5	-4.5
-3	-3	-4.5	-4	-5.5	-4.5	-3	-3.5	-7.5
-3.5	-3	-4.5	-3.5	-4.5	-5	-3.5	-3.5	-7.5
-3	-3	-4.5	-3.5	-4.5	-4.5	-3.5	-2	-4.5
-3	-3	-5	-3.5	-4.5	-3.5	-4.5	-3.5	-3.5
-3.5	-3.5	-4.5	-2	-5	-3.5	-4	-3	-3.5
-4	-4	-3.5	-2	-4.5	-3.5	-6	-4	-3.5
-4	-4	-3.5	-3	-3.5	-4	-4	-6	-4.5
-4.5	-4.5	-3.5	-4	-3.5	-4.5	-4	-4	-3.5
-2	-3	-3.5	-4	-4	-5	-4.5	-6	-4
-3.5	-3.5	-4.5	-5	-5	-6	-3	-6	-4
-2	-2.5	-3.5	-5	-5	-6	-3.5	-7	-4.5
-3.5	-3.5	-4	-6	-6	-4	-2	-6.5	-4
-2	-2	-4	-6	-6	-3.5	-3.5	-7	-3.5
-2	-2.5	-4.5	-3.5	-7	-7	-3.5	-6	-6.5
-2	-3.5	-4	-4	-6.5	-3.5	-5	-6	-7.5

Runup dan Rundown Model Tertutup

0.5	4	6.5	1.5	11.5	4.5
1.5	5.5	5.5	1.5	13.5	5.5
3.5	5.5	5.5	3.5	14	5
3.5	1.5	2.5	2.5	6.5	14.5
4.5	1.5	7.5	4.5	9.5	2.5
4.5	3.5	7.5	4.5	4.5	3.5
5.5	4	7.5	5.5	3.5	5
5.5	2.5	14.5		7	8.5
2.5	1.5	6.5		8.5	9.5
	2.5	14		8.5	8
	2.5	3.5			
	5.5	4.5			
	5.5	6.5			
	6.5	3.5			
	2				
	1				

5.5	14.5
4	10.5

-3	-3	-3.5	-4	-7	-3.5
-3	-3	-4	-2	-3.5	-4
-2	-2	-4	-2.5	-4	-4
-2.5	-2.5	-5	-4	-4	-8
-4	-4	-5	-3.5	-5	-3
-3.5	-3.5	-4	-3	-5	-2
-3	-3	-6	-3	-5	-2.5
-2	-2	-5		-5	-4
-2.5	-2.5	-6.5		-5.5	-4
-2	-2	-3.5		-3.5	-6
	-4	-3.5		-4.5	
	-4	-4			
	-4.5	-4			
	-4	-4			
	-3.5				
	-4				

-4.5	-8.5
-3	-5

Runup dan Rundown Model Tertutup

RU Model Tertutup Kedalaman 21

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
2	2	2	2	1	4	1	1	1.5
3	3.5	3	3	2.5	6	2.5	3	3.5
4	5	4.5	4	4	5	3.5	4	5
3	4	6	3	4	5.5	2	3	4
3	4	5	3.5	4	5.5	3	4	5
3	3.5	5	3.5	4	5	3	4	5
4	4	5	3.5	4.5	5	3	4	5
4	5	5	3.5	4.5	6	3	3.5	4.5
4	5	5	3	4	6	3	3.5	4
4	5	5	3	4	5.5	3	4	4
4	4.5	5	3	4	5.5	3	4	4.5
4	4	6	5	4.5	6	3	5	5
4.5	5.5	6.5	3	5	6	4	4	5
4	5	8	4	4.5	7	4	5	6
4	5	6	5	5	7.7	4	5.5	6
4	5.5	6	5	6	9	3.5	5	6
3.5	4	7.5	5.5	6	9.5	4	6	7
2	2	7	6	6	10	4.5	6	7
2	2	5	7	6	10	4.5	5.5	7
1.5	1	4	7	7	10.5	4	4	6
1.5	2	4	6	8	9	4	4.5	6
2	2	4	6	7.5	10	4	5	6
3	2.5	4	5.5	7	9	4	6	6
3	3	5	6	7	9	4	9	9
3.5	4	5	5	7.5	10	5	10	9
4.5	6	7	6	8	11	6	10.5	11
4.5	6	7	6	8	10	5	7	10
5	7	8	7	8	13	4	6	8
4.5	6	11	7	9	14	4	4	9

RD Model Tertutup Kedalaman 21

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-2	-1.5	-1.5	-1.5	-2	-3.5	-1.5	-2	-2
-2	-1.5	-1.5	-1.5	-2	-3.5	-2	-2	-2.5
-2	1.5	-2.5	-2	-2	-3.5	-3	-2	-3
-2.5	2	-2.5	-2	-2	-4	-3	-3	-3
-3	-2.5	-3	-2	-2.5	-4.5	-3	-3.5	-3
-2.5	-2	-3	-2.5	-2.5	-5	-3	-3.5	-3
-2.5	-2	-3	-3	-3	-4	-3.5	-3.5	-3.5
-3	-2	-3.5	-2.5	-2.5	-4	-3.5	-4	-4
-3	-2.5	-3.5	-2.5	-2.5	-4.5	-3.5	-3.5	-3.5
-3	-3.5	-3.5	-3	-3	-4	-3.5	-4	-3.5
-3	-3	-4	-3	-3	-4	-3	-4	-4
-3	-3	-4.5	-3	-3	-4	-3.5	-4	-4
-3	-3	-5	-3	-3.5	-4.5	-3	-3.5	-4
-3.5	-3.5	-5	-3	-3.5	-5.5	-3	-3.5	-4
-3	-4	-5	-3	-3.5	-7.5	-4	-4	-4
-2.5	-4	-5.5	-3.5	-4	-4.5	-3.5	-3.5	-4
-3	-4	-5.5	-3.5	-4.5	-7.5	-4	-3.5	-6.5
-2.5	-2.5	-5.5	-3.5	-5	-6.5	-5	-3.5	-6.5
-2	-1.5	-4.5	-3.5	-5	-6.5	-3	-3.5	-6.5
-2	-1	-5	-4.5	-5	-6.5	-3	-3.5	-6
-3	-1.5	-5	-4.5	-5.5	-6	-3	-4.5	-5
-3.5	-1.5	-5.5	-4.5	-5.5	-5	-2.5	-4	-6
-2	-2	-4	-3	-4.5	-6	-3	-4	-7.5
-2.5	-4	-5.5	-3	-4	-7.5	-3	-4	-5
-2.5	-3.5	-4	-4	-5	-7.5	-3.5	-4.5	-5
-2.5	-4	-4	-3.5	-5.5	-4.5	-3	-4	-3
-2	-3.5	-5.5	-4	-4.5	-5.5	-3.5	-4.5	-3.5
-2.5	-4	-6.5	-4.5	-4.5	-6.5	-3	-4	-4.5
-2.5	-4.5	-6.5	-5	-4.5	-6	-3	-4	-3.5

Runup dan Rundown Model Tertutup

5	6	10:05	7.5	8	13	3	3	5
3	4	12	7.5	8	10	2	1	4
2	2	8	8	7	9	1.5	1	3.5
1	1	6	8	8	11	2	3	4
1.5	3	4	8	8	11.5	2	6	5
2	4	2	6	9.5	10.5	2	10	6
2.5	4	1	6	9	10	4	13	8.5
2	3	2	5	7	11.5	6	14	10
3	5	1	5.5	9		8	12.5	10.5
3	6	6	5	11		4	9	13
3	7	5	7	12.5		2	5	7
3	6	6	8	13		2	2	5
3	7	11	9	11		1	0	2
3	5		10.5	10		1	1	1
2	4		9.5	10		1.5	3	1
1	1.5		9	11		2	5	2
3.5	6		8	11		2	7	1
5	8.5		7	10		2	7	0
5	7.5		4	10		3	5	5
4	7		1	11		4.5	8	6
4	6		1	11		7	7	8
4.5	8.5		2	10		2	14	5
5.5	10.5		3	10		0	4	5
5	11		4	8		1	2	11
5	9		10	12		2	8	4
5	10		11	11		2.5	12	6.5
3	6		10	10.5		2		10
1	2		9	13		2		11.5
0.5	8		9	12		1		6
5	9		8	12		4		8
5	9		3	12		5		0
6	7		2	12		5		5
5	9		4	12		6		55

-3	-5	-6.5	-5	-7.5	-6.5	-3.5	-2	-4
-3	-3.5	-7.5	-5.5	-7.5	-7.5	-4	-3	-4.5
-3	-3.5	-4.5	-4	-4.5	-4.5	-3.5	-2.5	-5
-2.5	-2	-4	-5.5	-4	-7.5	-4	-4	-3.5
-2	-3.5	-4	-6.5	-5.5	-7.5	-4	-5.5	-3.5
-3	-3	-2.5	-6.5	-6.5	-4.5	-2	-4	-5
-3	-4	-3	-5.5	-6.5	-6.5	-2.5	-4	-5.5
-3	-2.5	-3.5	-5.5	-6.5	-7.5	-3.5	-4	-5.5
-3	-2.5	-3	-6	-7.5	-6.5	-3.5	-4.5	-6.5
-3.5	-3	-4.5	-6	-4.5		-4	-4.5	-2.5
-2.5	-3.5	-4	-5	-6		-4.5	-4.5	-3.5
-2	-3.5	-4.5	-3.5	-8		-3.5	-4.5	-3.5
-2	-4	-2	-7	-8		-4	-4.5	-3
-2.5	-4	-5	-3.5	-6		-4.5	-2.5	-3
-2	-2		-3.5	-8		-3.5	-2	-3.5
-3.5	-3.5		-4	-8		-3.5	-2.5	-2.5
-3	-4.5		-4	-8		-3.5	-2.5	-2
-3	-3.5		-8	-7		-4.5	-3	-2
-3.5	-3.5		-3	-4		-3.5	-3	-2.5
-3.5	-3.5		-2	-6		-4	-3	-2
-3	-4.5		-2.5	-5		-4	-7.5	-4.5
-3	-3.5		-4	-7.5		-1	-4.5	-3.5
-4	-4		-3.5	-6.5		-3	-2	-3.5
-3.5	-4		-3	-6.5		-2	-3	-2
-4	-4.5		-4	-6.5		-2	-5.5	-2
-3.5	-4		-4.5	-5.5		-2	-7	-5
-2	-3.5		-5	-7		-2		-7
-2.5	-6.5		-6	-7.5		-2		-7
-1	-6		-6	-7		-3.5		-8
-3	-6		-4	-5.5		-4.5		-7.5
-3	-4		-4	-4.5		-3		-2.5
-4	-3.5		-4.5	-5.5		-3		-5.5
-4.5	-7		-5	-6		-3		-4

Runup dan Rundown Model Tertutup

4	9
5	11
7	12
7	12
7.5	10
6	8
5	5
3	6
3	8
5.5	14
6	10
4	
3	
5	

6	12
7	13.5
7	10
5	10.5
3	11.5
4	8
4	11
4	13
8	8
4	13.5
	8
	9.5
	8
	4
	9
	9
	10.5
	9

2
5.5
4
4
4

2
1
4
12

-3	-7
-3.5	-6
-2	-4
-3.5	-4
-3	-8
-2	-3
-2.5	-2
-4	-3
-4	-2
-3	-6.5
-3	-3.5
-2	
-2.5	
-4	
-3.5	

-6	-6
-6	-7
-4	-6.5
-4	-7
-3.5	-6.5
-4	-5.5
-4	-7
-5	-7.5
-5	-8
-4	-7
	-6
	-4
	-7
	-4
	-6
	-5
	-7
	-7.5

-4
-4
-3
-3.5
-5

-3
-3
-1
-5

Runup dan Rundown Model Tertutup

RU Model Tertutup Kedalaman 24.5

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
2	1.5	2	1.5	2.5	4	1.5	3	4
3.5	3.5	3.5	3.5	4	6.5	3	4.5	6.5
4.5	5	6.5	4.5	5.5	7	4.5	4.5	7
4.5	4.5	7.5	3.5	4.5	5.5	4	4.5	6.5
4.5	4.5	6	4.5	5	7	5.5	4.5	5.5
4.5	4.5	7	4	5	7.5	3.5	4.5	6
4.5	4	6	3.5	5.5	6.5	3.5	4.5	6
4	4.5	7.5	3.5	5.5	6	3.5	5	6
4	4.5	7	3.5	4.5	6	4	4.5	6
4.5	4.5	6.5	3.5	4.5	7.5	4.5	5.5	7.5
4.5	5	6.5	4	5.5	7.5	3.5	6	8.5
5	6.5	6	4	6.5	7.5	5.5	4.5	7.5
4.5	5	6.5	4.5	4.5	8	4	3	5.5
4.5	6	7.5	4	3.5	6.5	2.5	3	4.5
4	4.5	8	3	1.5	4.5	2.5	2.5	1.5
3.5	3.5	5.5	2.5	1.5	2.5	1.5	3.5	1.5
3.5	3.5	4.5	1.5	1	2.5	1	2	1.5
2.5	1.5	4	0.5	1.5	1.5	0.5	0.5	1
2.5	2.5	3.5	1	1.5	1.5	0.5	1	1.5
2.5	2	3.5	1.5	1.5	2.5	1.5	0.5	1.5
2.5	2.5	3.5	1	2	2.5	1	1.5	3
2.5	2.5	2.5	0.5	3.5	3	1	2	3.5
2.5	2.5	1.5	1.5	6	4.5	1	1.5	5
2.5	4.5	1.5	1	1.5	8.5	1.5	0.5	3.5
2.5	2.5	1.5	1.5	3.5	8.5	0.5	1.5	3.5
2	1	2.5	1.5	2.5	6.5	1	2.5	4
1	-0.5	2.5	1.5	3.5	3.5	1	2.5	4.5
0.5	1	2.5	0.5	3	2.5	2	1.5	4.5
0.5	0	2	1	1.5	3.5	2.5	11	4

RD Model Tertutup Kedalaman 24.5

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-2	-3	-1.5	-1.5	-3	-2.5	-2.5	-3.5	-2.5
-3.5	-3	-2.5	-2.5	-3	-3.5	-4	-3.5	-2.5
-4.5	-3.5	-2.5	-2.5	-3.5	-4	-5.5	-4	-2.5
-4.5	-3.5	-3	-3	-3.5	-4.5	-5	-4.5	-2.5
-4.5	-4	-3	-3	-3.5	-5	-6.5	-5	-2
-4.5	-3.5	-3	-3	-4	-4	-4.5	-4.5	-3
-4.5	-3.5	-3.5	-3.5	-4.5	-4	-4.5	-5.5	-3.5
-4	-4	-3.5	-3.5	-5	-4.5	-4.5	-6	-4
-4	-3.5	-3.5	-3.5	-5	-4	-5	-5.5	-3.5
-4.5	-3.5	-4	-4	-5	-4	-5.5	-6.5	-4
-4.5	-3.5	-4.5	-4.5	-5.5	-4	-4.5	-7	-3.5
-5	-3.5	-5	-5	-5.5	-4.5	-6.5	-5.5	-4
-4.5	-3	-5	-4.5	-3.5	-7.5	-5	-4	-3.5
-4.5	-3	-5	-3.5	-2	-4.5	-3.5	-4	-4
-4	-4	-5.5	-1.5	-2.5	-4.5	-3.5	-3.5	-4
-3.5	-3.5	-5.5	-1.5	-2.5	-5	-3.5	-4.5	-3.5
-3.5	-2.5	-5.5	-1	-2.5	-5.5	-3	-3	-3.5
-2.5	-2.5	-4.5	-2	-2	-6.5	-2.5	-1.5	-2
-2.5	-2.5	-5	-2.5	-2.5	-6.5	-2.5	-2	-2.5
-2.5	-2	-5	-2	-2.5	-6.5	-3.5	-1.5	-2
-3	-2.5	-5.5	-2.5	-3	-7.5	-3	-2.5	-2
-4	-2.5	-4	-2.5	-3	-6.5	-3	-3	-2.5
-4	-3	-5.5	-2.5	-3	-3.5	-3	-2.5	-2
-4	-3	-4	-2	-2.5	-4	-3.5	-1.5	-3.5
-4	-2	-2.5	-2	-2	-4.5	-2.5	-2.5	-3
-3.5	-2	-2	-2	-2	-5	-3	-3.5	-3
-2.5	-3.5	-2	-3	-2	-4.5	-3	-3.5	-3.5
-2	-3	-1.5	-3	-2.5	-4.5	-4	-2.5	-3.5
-2	-3	-1.5	-2	-3.5	-4.5	-4.5	-12	-3.5

Runup dan Rundown Model Tertutup

0.5	-1	1	1.5	0.5	4.5	3.5	2.5	4.5
1	1.5	0.5	1.5	2.5	3.5	3.5	3	6
2	2.5	2.5	2.5	3	4	4	4	8
2.5	3.5	3.5	3.5	4.5	4	3.5	5.5	8.5
2.5	2.5	2.5	4.5	4.5	8.5	3.5	5	4.5
2.5	2.5	3.5	4.5	4.5	8.5	2.5	2.5	2.5
2.5	2.5	3.5	3.5	4.5	9.5	3.5	4.5	7.5
2.5	3	4.5	3	4.5	9.5	2.5	6	9.5
3	2.5	4.5	2.5	4.5	4.5	1.5	5	9.5
2.5	3	5.5	3	4.5	6.5	2.5	4	5.5
3.5	3.5	6	2.5	1.5	9.5	2	1.5	2.5
2.5	2.5	4.5	2.5	2.5	7.5	2	2.5	3.5
3.5	2.5	4.5	3	6.5	7.5	1.5	2.5	5
3	3.5	4.5	2	8	5	1.5	3.5	7.5
3.5	5.5	5.5	2	5.5	6.5	1.5	4.5	9.5
4.5	5.5	7.5	2.5	5	7.5	3	2.5	4.5
3.5	4.5	7.5	2.5	4		1.5	1.5	4.5
3.5	2.5	6.5	2	3.5		1.5	4.5	4.5
2.5	2.5	5	1.5	3.5		0.5	0.5	4.5
2.5	3	4	1.5	3		0.5	0.5	1.5
2.5	2.5	3.5	1.5	3.5		1.5	1	0.5
2.5	1.5	4.5	1.5	2.5		2.5	2.5	1.5
1.5	1.5	4.5	2	3		3.5	3	4.5
1.5	1	3.5	2.5	2.5		2.5	2.5	8
1.5	1.5	1.5	1.5	4.5		2.5	3.5	9
3.5	3.5	2	1	3.5		3.5	2.5	
3.5	4	3.5	1.5	2.5		5	4.5	
4	4.5	6	2.5	2.5		1.5	6.5	
2.5	1.5	7.5	4.5	3		3	2.5	
3	0.5	3.5	4	1.5		3.5	3.5	
1.5	1.5	2.5	2	2.5		3.5	3.5	
2.5	4.5	3	1.5	2.5		4.5	4.5	
3.5	3.5	5.5	4.5	2.5		3.5	4.5	

-2	-3.5	-1	-3.5	-3	-4.5	-5.5	-3.5	-3.5
-2.5	-3	-2	-3.5	-4	-8.5	-5.5	-4	-4
-3.5	-4.5	-2.5	-2.5	-3.5	-5.5	-6	-5	-4.5
-4	-4	-2	-3	-4	-6.5	-5.5	-6.5	-5
-4	-4	-2.5	-3.5	-4	-6.5	-5.5	-6	-5
-4	-4.5	-2.5	-2.5	-3.5	-6	-4.5	-3.5	-5
-4	-4.5	-2.5	-3.5	-3.5	-5	-5.5	-5.5	-5.5
-4	-3	-3	-4	-3	-6	-4.5	-7	-5.5
-4.5	-3	-3	-4.5	-2.5	-7.5	-3.5	-6	-4.5
-4	-2.5	-3.5	-5	-3.5	-7.5	-4.5	-5	-4
-5	-3	-4	-3.5	-4	-7.5	-4	-2.5	-5
-4	-3	-3.5	-3.5	-4	-6.5	-4	-3.5	-5
-5	-3	-4	-2	-3.5	-6.5	-3.5	-3.5	-6
-4.5	-4.5	-4	-3.5	-3.5	-6.5	-3.5	-4.5	-7.5
-5	-3.5	-4.5	-3	-2	-3	-3.5	-5.5	-5
-6	-3.5	-5	-4	-2.5	-4.5	-5	-3.5	-4.5
-5	-3.5	-5.5	-2.5	-2	-4	-3.5	-2.5	-4
-5	-4.5	-5	-2.5	-2		-3.5	-5.5	-4.5
-4	-3.5	-5.5	-3	-2.5		-2.5	-1.5	-4
-4	-4	-5.5	-3.5	-2		-2.5	-1.5	-5.5
-4	-4	-6.5	-3	-3.5		-3.5	-2	-6.5
-4	-1	-5	-3.5	-3		-4.5	-3.5	-6.5
-3	-3	-3	-2.5	-3		-5.5	-4	-6.5
-3	-2	-3	-2	-3.5		-4.5	-3.5	-7.5
-3	-2	-3.5	-2	-3.5		-4.5	-4.5	-4.5
-5	-2	-2.5	-2.5	-2		-5.5	-3.5	-6
-5	-2	-2	-2	-3		-7	-5.5	
-5.5	-2	-2	-4.5	-3.5		-3.5	-7.5	
-4	-3.5	-2.5	-3.5	-2.5		-5	-3.5	
-4.5	-3	-2	-3.5	-2		-5.5	-4.5	
-3	-2	-4.5	-2	-2		-5.5	-4.5	
-4	-2	-3.5	-2	-2.5		-6.5	-5.5	
-5	-3	-3.5	-3.5	-2		-5.5	-5.5	

Runup dan Rundown Model Tertutup

3.5	1	7.5	1.5	1.5
1.5	0.5	5.5	2.5	1.5
1.5	1	4.5	3.5	7.5
1.5	1.5	1.5	3.5	3.5
2.5	2	2.5	3.5	1.5
3.5	5.5	3	2	1.5
3	3.5	6.5		3.5
2.5	2	8		4.5
1.5		4.5		6
1.5		4.5		
2		1.5		
2.5		2.5		
2.5		6		
2.5		5.5		

3.5	3.5
2.5	4.5
1	2

-5	-3	-4.5	-3.5	-3.5
-3	-2	-4	-2	-6.5
-3	-2.5	-3.5	-5.5	-6
-3	-3.5	-4	-3	-6
-4	-1.5	-4	-4.5	-4
-5	-4	-5	-4	-3.5
-4.5	-3	-5		-4.5
-4	-3	-4		-2
-3		-3.5		-3
-3		-3		
-3.5		-2		
-4		-3		
-4		-2		
-4		-6.5		
		-3.5		

-5.5	-4.5
-4.5	-5.5
-3	-3

Runup dan Rundown Model Terbuka 5 cm

RU Model Terbuka 5 cm Kedalaman 17.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
2.5	3	2.5	2.5	3	2.5	2.5	3	3.5
2.5	3.5	4.5	2	3	3	1.5	2.5	4.5
2.5	3	4.5	2.5	3.5	4	1.5	2.5	4.5
2.5	3	4.5	2.5	3.5	4	2	3	4
2.5	2.5	4	2.5	3	4	2.5	3	4
2.5	3	3.5	2.5	3	4	5	3.5	4.5
2.5	3.5	3.5	5	3.5	4.5	2.5	3.5	4.5
2.5	3.5	3.5	2.5	3.5	4.5	2.5	3.5	4
2	3	4	2.5	3.5	4	2.5	4	4.5
2	3	3.5	2.5	4	4.5	2.5	3.5	4.5
2	2.5	3.5	2.5	3.5	4.5	3	3.5	4
2	2.5	3.5	3	3.5	4	2.5	3.5	4
2.5	4.5	3.5	2.5	3.5	4	3	2.5	4.5
2.5	2.5	6.5	3	2.5	4.5	3.5	3.5	5.5
2.5	3.5	4.5	3.5	3.5	5.5	2.5	3.5	6
3	3.5	5.5	2.5	3.5	6	3.5	4	7
3.5	4.5	6.5	3.5	4	7	4.5	2.5	8.5
3.5	4.5	7	4.5	2.5	8.5	4.5	4.5	9.5
4	5	7	4.5	4.5	9.5	3.5	4	9
4.5	6	7	3.5	4	9	3.5	4.5	8
4.5	7	6	3.5	4.5	8	4	5.5	7.5
4.5	7.5	6.5	3.5	5	7.5	4.5	5.5	8
4	7.5	7.5	3.5	5	7.5	3.5	5	7.5
4	7.5	8.5	4	5.5	7.5	4	5.5	7.5
4	7.5	8.5	4	5.5	7.5	4	5.5	7.5
3.5	6.5	9	4.5	5.5	8	4.5	5.5	8
4.5	8	8.5	5.5	4	8.5	5.5	4	8.5
4	8.5	6.5	5.5	5	8.5	5.5	5	8.5
4.5	6.5	8.5	5	3.5	7	5	3.5	7
5	8	7.5	5	4	9.5	5	4	9.5

RD Model Terbuka 5 cm Kedalaman 17.5

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-2.5	-3	-2.5	-2	-3	-2.5	-2.5	-3	-2.5
-2.5	-3	-3.5	-2	-3	-3	-3	-2.5	-3.5
-2.5	-4	-3.5	-2	-3.5	-4	-3.5	-3	-3.5
-3	-3.5	-3.5	-2.5	-3.5	-4	-3.5	3	-3
-3	-3.5	-3	-2.5	-3	-4	-3.5	-3.5	-3
-3	-3	-2.5	-2.5	-3.5	-4	-3.5	-3	-4
-3	-3.5	-2.5	-3	-4	-4.5	-3.5	-3	-4
-2.5	-4	-2.5	-3	-3.5	-4.5	-3	-3.5	-4
-2	-4	-3	-3	-3.5	-4.5	-3	-3.5	-4.5
-2	-3.5	-2.5	-3.5	-4	-4	-3	-4	-4.5
-2	-3.5	-2.5	-3.5	-3.5	-4	-3.5	-4	-4.5
-2	-3	-2.5	-3	-3.5	-4.5	-4.5	-4.5	-4
-2.5	-3	-2.5	-3.5	-3.5	-5	-4	-5	-4
-2.5	-5	-5.5	-3	-3.5	-4	-4	-4	-4.5
-2.5	-3	-3.5	-3.5	-3	-4.5	-3	-4.5	-5
-3	-4	-4.5	-2.5	-3	-5	-3.5	-5	-4
-3.5	-4	-5.5	-3.5	-5	-5	-3.5	-5	-4.5
-2.5	-5	-5.5	-4.5	-3	-6.5	-4	-5	-5
-3	-5	-5.5	-4.5	-4	-5.5	-3.5	-3	-5
-3.5	-5.5	-5.5	-3.5	-4	-5.5	-3	-4.5	-5
-3.5	-6	-5	-3.5	-4.5	-5.5	-3.5	-5.5	-6.5
-3.5	-5	-5.5	-3.5	-5	-4.5	-3	-5.5	-5
-3	-3	-6	-3.5	-5	-3.5	-4	-5	-5.5
-3	-5	-6	-4	-5.5	-4.5	-5	-5.5	-6
-3	-3	-6	-4	-5.5	-5.5	-4	-5.5	-6.5
-3.5	-2.5	-6	-4.5	-5.5	-5.5	-4.5	-5.5	-6
-4.5	-2.5	-6.5	-5.5	-4.5	-6	-5.5	-4	-7
-4	-4	-5.5	-5.5	-5.5	-6	-5.5	-5	-6
-4.5	-5	-5.5	-5	-5.5	-6.5	-5	-3.5	-6.5
-4	-6	-4.5	-5	-5.5	-6	-5	-4	-5.5

Runup dan Rundown Model Terbuka 5 cm

2.5	3	7.5	5	7.5	7	6	3.5	8.5
1.5	1.5	8.5	5.5	8	8	6.5	4	8.5
0.5	0.5	5.5	5.5	7.5	10.5	3	5	13.5
0.5	1	3.5	5.5	9.5	12	3.5	6	12.5
1	2.5	1.5	5	10	11.5	2.5	7	9.5
2.5	1.5	2.5	3	11	11.5	3.5	7.5	7.5
3.5	2.5	3	3.5	10	8.5	4.5	8.5	9
3	2.5	5	2.5	10.5	8.5	5.5	8	8
3.5	2.5	5.5	2.5	9	8	6.5	6.5	5.5
3.5	2.5	4	3	9	10	6.5	1.5	12.5
3.5	2.5	3.5	3.5	7.5	8	6.5	3.5	10
4	4.5	3.5	4.5	7.5	9.5	7.5	1	9
5	4.5	4	5	7	10.5	8	2.5	7.5
4	4.5	5.5	5.5	8	14	7.5	2.5	8.5
2	4.5	7	6	8	9.5	1.5	3.5	8
0.5	4.5	8.5	7.5	7.5	9.5	1.5	5.5	7.5
3	2.5	8.5	7.5	7.5	3.5	3	5.5	7.5
3.5	0.5	4.5	8	8.5	6.5	4.5	6.5	9
3.5	0.5	3.5	3.5	10	10.5	5	6	12.5
2.5	2.5	8	4	14.5	14.5	5.5	5.5	5.5
1	4.5	6	3	9.5	6	6.5	2.5	8
2.5	5.5	9	1.5	8.5	7	6.5	3.5	7
3.5	3.5	4.5	1.5	5	11	8	3	8.5
3.5	3	5.5	2.5	8.5	8.5	1.5	2.5	5.5
5.5	2.5	4	4.5	7.5	7.5	4.5	7	7
7.5	1.5	5.5	6	6.5	7.5	9	7.5	5
4.5	0.5	7.5	1.5	8	8	6.5	7	5
1.5	2.5	8.5	2.5	7.5	8	2.5	8.5	8.5
4.5	3.5	8.5	4.5	9.5	8.5	2.5	9.5	3
4.5	4.5	4	6	10.5	10	6.5	6	5
2.5	4.5	4.5	6	11.5	6.5	6.5	4.5	5.5
1.5	4.5	1.5	6	9.5	8	6.5	5.5	7.5
0.5	4	6.5	1.5	11.5	4.5	8	5.5	8.5

-3	-5	-5	-5	-5.5	-6	-4.5	-3.5	-5.5
-2.5	-3	-5	-5.5	-5	-6.5	-4.5	-4	-4.5
-2.5	-1.5	-4.5	-5.5	-5.5	-5	-5	-5.5	-5
-2.5	-2.5	-2.5	-5.5	-6	-5.5	-4.5	-5.5	-6.5
-2.5	-2.5	-3	-5	-6	-6	-5	-5.5	-3
-2.5	-2.5	-2	-4.5	-6	-6.5	-4.5	-3.5	-5
-3.5	-2.5	-3	-5	-6	-6	-4.5	-4.5	-4
-3	-3.5	-4	-5	-5.5	-7	-5.5	-4.5	-6
-3.5	-2.5	-4.5	-5	-6.5	-6	-5.5	-2.5	-5.5
-3.5	-2.5	-4	-4.5	-5.5	-5	-5	-2.5	-7
-3.5	-3	-4	-5	-5.5	-4.5	-5.5	-3.5	-6
-4	-2.5	-4	-4.5	-4.5	-4.5	-6	-3	-5
-5	-4.5	-3	-5	-5	-5	-6	-3.5	-4.5
-4	-4.5	-4.5	-5.5	-4.5	-5	-6	-2.5	-4.5
-3	-4.5	-5.5	-6	-5	-5	-6	-2.5	-5
-3	-4.5	-5.5	-5.5	-4.5	-4.5	-5.5	-2	-5
-3	-4.5	-5.5	-6.5	-4.5	-5	-6.5	-2.5	-5.5
-3.5	-2.5	-3.5	-5.5	-5.5	-4.5	-5.5	-6.5	-6.5
-3.5	-2.5	-4	-5.5	-6.5	-5	-5	-6	-6.5
-2.5	-2.5	-4	-5.5	-6.5	-5.5	-5.5	-5.5	-6.5
-3.5	-2.5	-5	-4.5	-6.5	-4.5	-6.5	-5	-6.5
-2.5	-4.5	-4.5	-3.5	-6.5	-3.5	-6.5	-4.5	-6
-3.5	-5.5	-3.5	-3.5	-7	-4.5	-6.5	-5.5	-5.5
-3.5	-3.5	-4.5	-2.5	-6.5	-3	-5	-4.5	-3.5
-3.5	-3	-3	-4.5	-6.5	-4.5	-4.5	-4.5	-3.5
-3.5	-2.5	-4.5	-6	-7	-6	-3	-3.5	-4
-3.5	-2.5	-4	-4	-5.5	-5.5	-6.5	-7	-5
-2	-2.5	-5.5	-4.5	-6.5	-3.5	-2.5	-5.5	-4.5
-4.5	-2.5	-6	-4.5	-7	-3.5	-2.5	-3.5	-5.5
-4.5	-3.5	-5.5	-5	-6.5	-5.5	-5.5	-3.5	-4.5
-2.5	-4	-3.5	-4.5	-6.5	-6.5	-6	-4	-4.5
-2.5	-4	-3.5	-5	-6.5	-5.5	-5.5	-4	-3.5
-2.5	-4	-5.5	-4	-5.5	-5	-3.5	-2.5	-2.5

Runup dan Rundown Model Terbuka 5 cm

1.5	5.5	5.5	1.5	13.5	5.5	1.5	4	5.5
3.5	5.5	5.5	3.5	14	5	1.5		7
3.5	1.5	2.5	2.5	6.5	14.5	3		
4.5	1.5	7.5	4.5	9.5	2.5	4.5		
4.5	3.5	7.5	6	4.5	3.5			
5.5	4	7.5	6	3.5	5			
3.5	2.5	14.5	6	7				
3.5	1.5	6.5	6	8.5				
3.5	2.5	14	6	8.5				
4.5	2.5	3.5	6					
4.5	5.5	4.5						
5.5	5.5	6.5						
	6.5	3.5						
	2							
	1							

-2.5	-3.5	-4.5	-4	-7	-5	-3.5	-4.5	-2.5
-2.5	-5	-4.5	-4	-5.5	-5	-5.5		-2.5
-3.5	-5	-3	-2.5	-5	-4.5	-4.5		
-4.5	-3	5	-4.5	-6.5	-5.5	-4.5		
-4.5	-3	-5.5	-5.5	-5	-4.5			
-5.5	-3	-5	-5	-4.5	-4.5			
-3.5	-3.5	-5.5	-5.5	-3.5				
-3.5	-2	-4.5	-4.5	-2.5				
-4	-3.5	-6	-4.5	-2.5				
-4	-3.5	-4	-4.5	-2.5				
-4	-3.5	-3.5						
-3.5	-5	-5.5						
	-5	-3						
	-6	-4						
	-3							
	-4							

Runup dan Rundown Model Terbuka 5 cm

RU Model Terbuka 5 cm Kedalaman 21 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
2	2	2	2	1	4	1	1	1.5
3	3.5	3	3	2.5	6	2.5	3	3.5
4	5	5	3.5	4.5	6	3	3.5	4.5
4	5	5	3	4	6	3	3.5	4
4	5	5	3	4	5.5	3	4	4
4	4.5	5	3	4.5	5.5	3	4	4.5
4	4	6	5	4.5	6	3	5	5
4.5	5.5	6.5	3	5	6	4	4	5
4	5	8	4	4.5	7	4	5	6
4	5	6	5	5	7.7	4	5.5	6
4	5.5	6	5	6	9	3.5	5	6
3.5	4	7.5	5.5	6	9.5	4	6	7
2	2	7	6	6	10	4.5	6	7
2	2	5	7	6	10	4.5	5.5	7
1.5	1	4	7	7	10.5	4	4	6
1.5	2	4	6	8	9	4	4.5	6
2	2	4	6	7.5	10	4	5	6
3	2.5	4	5.5	7	9	4	6	6
3	3	5	6	7	9	4	9	9
3.5	4	5	5	7.5	10	5	10	9
4.5	6	7	6	8	11	6	10.5	11
2	2	4	6	7.5	10	4	5	6
3	2.5	4	5.5	7	9	4	6	6
3	3	5	6	7	9	4	9	9
3.5	4	5	5	7.5	10	5	10	9
4.5	6	7	6	8	11	6	10.5	11
4.5	6	7	6	8	10	5	7	10
5	7	8	7	8	13	4	6	8
4.5	6	11	7	9	14	4	4	9
5	6	10.5	7.5	8	13	3	3	5

RD Model Terbuka 5 cm Kedalaman 21 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-2	-2	-2	-2	-1	-2	-1	-2	-1.5
-3	-3	-3	-3	-2.5	-2.5	-2.5	-2.5	-3.5
-3.5	-4	-3.5	-3.5	-3	-4	-3	-3.5	-4.5
-3.5	-4	-3	-3	-4.5	-5	-3	-3	-4
-3	-4	-3	-3	-5.5	-4	-3	-3.5	-4
-3	-4	-3	-3	-5.5	-4	-3	-4	-4.5
-3	-4.5	-5	-5	-5	-5.5	-3	-4	-5
-3.5	-4.5	-3	-3	-5	-5.5	-4	-4.5	-5
-4.5	-4.5	-4	-4	-4.5	-5.5	-4	-3.5	-5.5
-4	-5	-5	-4	-5	-5	-4	-4.5	-6
-4	-5.5	-5	-4.5	-6	-4.5	-3.5	-4.5	-6.5
-3	-4	-5	-4.5	-6	-5	-4	-4	-6
-3.5	-2	-4	-4.5	-6.5	-6.5	-4.5	-4	-6
-2	-2	-3	-5	-6	-6.5	-4.5	-4.5	-6
-2.5	-1	-4	-5.5	-6	-7.5	-4	-4.5	-5.5
-3.5	-2	-4	-4.5	-6	-6.5	-4	-4.5	-6.5
-2.5	-2	-4	-5.5	-5.5	-7.5	-4	-5	-5.5
-3	-2.5	-4	-5.5	-6.5	-6	-4	-5.5	-5.5
-3	-3	-5	-5.5	-5.5	-7.5	-4	-4.5	-6.5
-3.5	-4	-5	-6.5	-5.5	-7	-5	-5.5	-6.5
-4.5	-6	-7	-6	-6.5	-6.5	-5.5	-5.5	-6
-2	-2	-4	-5	-6	-6.5	-5.5	-5.5	-6
-3	-2.5	-4	-5	-5	-6	-5.5	-6.5	-7
-3	-4	-5	-4	-5	-6	-4	-5.5	-6
-3.5	-2.5	-5	-4	-4	-7	-5	-6.5	-6
-4.5	-3.5	-6	-6	-4	-6	-5.5	-6.5	-6
-4.5	-2.5	-5	-6	-5.5	-7.5	-5.5	-6	-6
-5	-3	-4	-5.5	-5.5	-7	-4	-7	-6
-4.5	-3	-4	-6.5	-6.5	-6.5	-5	-4	-5.5
-5	-2.5	-5	-5.5	-5.5	-6.5	-4.5	-2	-5.5

Runup dan Rundown Model Terbuka 5 cm

3	4	12	7.5	8	5	2	1	4
2	2	8	8	7	7	1.5	1	3.5
1	1	6	8	8	7	2	3	4
1.5	3	4	8	8	8	2	6	5
2	4	2	6	9.5	11	2	10	6
2.5	4	1	6	9	10.5	4	13	8.5
2	3	2	5	7	12	6	14	10
3	5	1	5.5	9	8	8	12.5	10.5
3	6	6	5	11	6	4	9	13
3	7	5	7	12.5	4	2	5	7
3	6	6	8	13	2	2	2	5
3	7	11	9	11	1	1	0	2
3	5	10	10.5	10	2	1	1	1
2	4	11	9.5	10	1	1.5	3	1
1	1.5	10	9	11	6	2	5	2
3.5	6	9	8	11	5	2	7	1
5	8.5	9	7	10	2.5	2	7	0
5	7.5	8	4	10	3.5	3	5	5
4	7	3	1	11	4.5	4.5	8	6
4	6	2	1	11	3.5	7	7	8
4.5	8.5	4	2	10	4	2	14	5
5.5	10.5	6	3	10	4	0	4	5
5	11	7	4	8	8.5	1	5.5	11
5	9	13	10	12	8.5	2	4.5	4
5	10	11	11	11	9.5	2.5	1.5	6.5
3	6	10	10	10.5	4.5	2	2.5	10
1	2	10	9	13	5.5	2	3	11.5
0.5	8	11	9	12	6	1	6.5	6
5	9	11	8	12	4.5	4	8	8
5	9	10	3	12	4.5	5	4.5	0
6	7	10	2	12	4.5	5	4.5	5
5	9	11	4	12	5.5	6	1.5	55
4	9	8	6	12	7.5	2	2.5	2

-1.5	-2.5	-4	-5.5	-5.5	-7.5	-3.5	-4	-6
-2.5	-2	-3	-4.5	-4.5	-4.5	-4	-5.5	-3.5
-2.5	-1	-1	-5.5	-5	-5	-4.5	-3	-4
-2.5	-3	-1	-5.5	-5.5	-5	-4.5	-6	-6.5
-2.5	-4	-3	-5.5	-5.5	-4.5	-5	-6	-5.5
-3.5	-4	-1	-5.5	-5	-4.5	-4.5	-5.5	-5.5
-2.5	-3	-2	-4.5	-5.5	-5.5	-5	-5	-4.5
-2.5	-3.5	-1	-5	-6	-4	-4	-5.5	-5.5
-3	-2.5	-6	-6.5	-6	-3	-4	-6.5	-5.5
-3	-3.5	-5	-6.5	-7.5	-4	-3.5	-4	-5.5
-3	-4.5	-6	-5	-4.5	-2.5	-2.5	-3	-5
-3	-4.5	-6	-5	-5	-1.5	-3	-2.5	-3.5
-3	-3.5	-6	-4	-5	-2.5	-3	-2.5	-2.5
-2	-3.5	-6	-5	-4.5	-2.5	-2	-3.5	-2.5
-1	-3.5	-5.5	-5.5	-4.5	-6	-3	-3	-2.5
-3.5	-3.5	-5.5	-5	-5.5	-5	-2.5	-3.5	-2.5
-5	-4	-6	-7	-6	-2.5	-2.5	-2.5	-3
-5	-4	-6	-4.5	-7.5	-3.5	-2.5	-2.5	-4
-4.5	-3.5	-3	-2.5	-6	-4.5	-2.5	-2	-6.5
-2.5	-4	-2	-2.5	-6.5	-3.5	-2.5	-3	-7
-2.5	-5	-4	-3.5	-6.5	-4	-3.5	-5	-6.5
-3.5	-5.5	-6	-3	-6.5	-4	-3	-4.5	-7.5
-3	-5.5	-5	-3.5	-7.5	-5.5	-3.5	-5	-6.5
-3.5	-5	-5	-6.5	-6.5	-6	-2.5	-5	-7.5
-2.5	-5.5	-6	-6	-7.5	-7.5	-2.5	-4	-6
-2.5	-5.5	-2	-4	-6	-6	-2	-4	-5
-2	-6.5	-5.5	-4.5	-5.5	-6.5	-2	-4	-5
-0.5	-6	-5	-4.5	-7	-6.5	-3	-3	-4.5
-2.5	-6	-6	-5	-6	-6.5	-3.5	-4.5	-4.5
-1.5	-6.5	-6	-4.5	-6.5	-7.5	-2.5	-5	-4
-1.5	-5	-6.5	-5	-5	-6.5	-2.5	-4	-6
-1	-5.5	-5	-4	-5.5	-7.5	-2	-4.5	-4
-1.5	-6	-5	-4.5	-6	-7.5	-3.5	-5	-4.5

Runup dan Rundown Model Terbuka 5 cm

5	11	12	7	13.5	7.5	5.5	6	1
7	12	11	7	10	6.5	4	5.5	4
7	12	10.5	5	10.5	5	4		12
7.5	10	13	3	11.5	4	4		
6	8	12	4	8	3.5			
5	5	12	4	11	4.5			
3	11		4	13	3.5			
3	12		8	8	4			
5.5	12		4	13.5	4			
6	10			8	8.5			
5	8			9.5	8.5			
5	5			8				
6	6			4				
5				9				
4				9				
5				10.5				
7				9				

-2.5	-6.5	-4	-3	-6.5	-7.5	-5	-5	-5
-3	-6	-5	-5	-6	-6.5	-4	-5	-5
-5	-4	-5.5	-4.5	-5	-5	-4		-4.5
-5	-4.5	-5.5	-5	-5.5	-4	-4		
-5	-4.5	-6.5	-5	-5	-3.5			
-4.5	-5	-7	-4	-7	-4.5			
-5.5	-4.5	-4.5	-4	-7	-3.5			
-4.5	-5		-4	-5.5	-4			
-4.5	-4		-3	-6.5	-4			
-3.5	-5.5			-7	-5			
-3	-3.5			-6.5	-5.5			
-2.5	-3.5			-5				
-2.5	-5.5			-5				
-2.5				-4				
-2.5				-5				
-3.5				-5.5				
-4				-5				

Runup dan Rundown Model Terbuka 5 cm

RU Model Terbuka 5 cm Kedalaman 24.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
2	1.5	2	1.5	2.5	4	1.5	3	4
3.5	3.5	3.5	3.5	4	6.5	3	4.5	6.5
4.5	5	6.5	4.5	5.5	7	4.5	4.5	7
4.5	4.5	7.5	3.5	4.5	5.5	4	4.5	6.5
4.5	4.5	6	4.5	5	7	5.5	4.5	5.5
4.5	4.5	7	4	5	7.5	3.5	4.5	6
4.5	4	6	3.5	5.5	6.5	3.5	4.5	6
4	4.5	7.5	3.5	5.5	6	3.5	5	6
4	4.5	7	3.5	4.5	6	4	4.5	6
4.5	4.5	6.5	3.5	4.5	7.5	4.5	5.5	7.5
4.5	5	6.5	4	5.5	7.5	3.5	6	8.5
5	6.5	6	4	6.5	7.5	5.5	4.5	7.5
4.5	5	6.5	4.5	4.5	8	4	3	5.5
4.5	6	7.5	4	3.5	6.5	2.5	3	4.5
4	4.5	8	3	1.5	4.5	2.5	2.5	1.5
3.5	3.5	5.5	2.5	1.5	2.5	1.5	3.5	1.5
3.5	3.5	4.5	1.5	1	2.5	1	2	1.5
2.5	1.5	4	0.5	1.5	1.5	0.5	0.5	1
2.5	2.5	3.5	1	1.5	1.5	0.5	1	1.5
2.5	2	3.5	1.5	1.5	2.5	1.5	0.5	1.5
2.5	2.5	3.5	1	2	2.5	1	1.5	3
2.5	2.5	2.5	0.5	3.5	3	1	2	3.5
2.5	2.5	1.5	1.5	6	4.5	1	1.5	5
3.5	3.5	5.5	2.5	1.5	2.5	1.5	3.5	1.5
3.5	3.5	4.5	1.5	1	2.5	1	2	1.5
2.5	1.5	4	0.5	1.5	1.5	0.5	0.5	1
2.5	2.5	3.5	1	1.5	1.5	0.5	1	1.5
2.5	2	3.5	1.5	1.5	2.5	1.5	0.5	1.5
2.5	2.5	3.5	1	2	2.5	1	1.5	3
2.5	2.5	2.5	0.5	3.5	3	1	2	3.5

RD Model Terbuka 5 cm Kedalaman 24.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-2	-2.5	-3	-2.5	-3.5	-4	-1.5	-4	-3.5
-3.5	-4.5	-3.5	-4.5	-5	-6.5	-3	-4	-3.5
-3.5	-6	-6.5	-5.5	-6.5	-7	-2	-4.5	-3.5
-3	-5.5	-7.5	-4.5	-5.5	-5.5	-3.5	-5	-3.5
-3.5	-5.5	-6	-5.5	-6	-7	-4.5	-5.5	-3
-4	-5.5	-7	-5	-6	-7.5	-4	-5	-4
-4	-5	-6	-4.5	-6.5	-6.5	-3.5	-6	-4.5
-4.5	-5.5	-7.5	-4.5	-6.5	-6	-3.5	-6.5	-5
-3.5	-5.5	-7	-4.5	-5.5	-6	-3.5	-6	-4.5
-4.5	-5.5	-6.5	-4.5	-5.5	-7.5	-3.5	-7	-5
-4.5	-6	-6.5	-5	-6.5	-7.5	-4	-7.5	-4.5
-5	-7.5	-6	-5	-7.5	-7.5	-1.5	-6	-5
-4.5	-6	-6.5	-5.5	-5.5	-8	-1.5	-4.5	-4.5
-4.5	-7	-7.5	-5	-4.5	-6.5	-1.5	-4.5	-5
-4	-5.5	-8	-4	-2.5	-4.5	-1.5	-4	-5
-3.5	-4.5	-5.5	-3.5	-3.5	-2.5	-1	-5	-4.5
-4	-4.5	-4.5	-4	-3	-2.5	-4	-3.5	-4.5
-4.5	-2.5	-4	-3.5	-3.5	-3.5	-3	-2	-3
-4.5	-3.5	-3.5	-4	-3.5	-3.5	-3	-2.5	-3.5
-4	-3	-3.5	-4	-3.5	-3.5	-3.5	-2	-3
-4	-3.5	-3.5	-4.5	-4	-3.5	-3	-3	-3
-4	-3.5	-2.5	-4	-5.5	-3	-3.5	-3.5	-3.5
-4	-3.5	-1.5	-4.5	-4.5	-4.5	-3	-3	-3
-4	-4.5	-5.5	-4	-3.5	-2.5	-3	-2	-4.5
-3.5	-4.5	-4.5	-4	-3	-2.5	-3.5	-3	-4
-2.5	-2.5	-4	-3	-3.5	-3	-4	-4	-4
-3.5	-3.5	-3.5	-4	-3.5	-3	-3.5	-4	-4.5
-2	-3	-3.5	-3.5	-3.5	-3	-4	-3	-4.5
-2	-3.5	-3.5	-5	-4	-3	-4	-13	-3.5
-2.5	-3.5	-2.5	-6.5	-5.5	-3	-3.5	-4	-3.5

Runup dan Rundown Model Terbuka 5 cm

2.5	2.5	1.5	1.5	6	4.5	1	1.5	5
2.5	4.5	1.5	1	1.5	8.5	1.5	0.5	3.5
2.5	2.5	1.5	1.5	3.5	8.5	0.5	1.5	3.5
2	1	2.5	1.5	2.5	6.5	1	2.5	4
1	-0.5	2.5	1.5	3.5	3.5	1	2.5	4.5
0.5	1	2.5	0.5	3	2.5	2	1.5	4.5
0.5	0	2	1	1.5	3.5	2.5	11	4
0.5	-1	1	1.5	0.5	4.5	3.5	2.5	4.5
1	1.5	0.5	1.5	2.5	3.5	3.5	3	6
2	2.5	2.5	2.5	3	4	4	4	8
2.5	3.5	3.5	3.5	4.5	4	3.5	5.5	8.5
2.5	2.5	2.5	4.5	4.5	8.5	3.5	5	4.5
2.5	2.5	3.5	4.5	4.5	8.5	2.5	2.5	2.5
2.5	2.5	3.5	3.5	4.5	9.5	3.5	4.5	7.5
2.5	3	4.5	3	4.5	9.5	2.5	6	9.5
3	2.5	4.5	2.5	4.5	4.5	1.5	5	9.5
3.5	2.5	6.5	2	3.5	3.5	1.5	4.5	4.5
2.5	2.5	5	1.5	3.5	2.5	0.5	0.5	4.5
2.5	3	4	1.5	3	3.5	0.5	0.5	1.5
2.5	2.5	3.5	1.5	3.5	4.5	1.5	1	0.5
2.5	1.5	4.5	1.5	2.5	3.5	2.5	2.5	1.5
1.5	1.5	4.5	2	3	4	3.5	3	4.5
1.5	1	3.5	2.5	2.5	4	2.5	2.5	8
1.5	1.5	1.5	1.5	4.5	8.5	2.5	3.5	9
3.5	3.5	2	1	3.5	8.5	3.5	2.5	
3.5	4	3.5	1.5	2.5	8.5	5	4.5	
4	4.5	6	2.5	2.5	9.5	1.5	6.5	
2.5	1.5	7.5	4.5	3	7.5	3	2.5	
3	0.5	3.5	4	1.5	7.5	3.5	3.5	
1.5	1.5	2.5	2	2.5		3.5	3.5	
2.5	4.5	3	1.5	2.5		4.5	4.5	
3.5	3.5	5.5	4.5	2.5		3.5	4.5	
3.5	1	7.5	1.5	1.5		3.5	3.5	

-3	-3.5	-1.5	-5	-6	-4.5	-3.5	-4.5	-4
-3	-5.5	-1.5	-3	-3.5	-5.5	-3.5	-5.5	-4.5
-3	-3.5	-1.5	-3.5	-5.5	-5.5	-3	-7	-5
-3.5	-4.5	-2.5	-3.5	-4.5	-6.5	-3.5	-6.5	-5
-3.5	-4.5	-2.5	-3.5	-5.5	-3.5	-3	-4	-5
-2.5	-4	-2.5	-2.5	-5	-2.5	-3	-6	-5.5
-2.5	-4	-2	-3	-3.5	-3.5	-4	-7.5	-5.5
-3	-4.5	-5	-3.5	-2.5	-4.5	-3.5	-6.5	-4.5
-3.5	-3.5	-3	-3.5	-2.5	-3.5	-3.5	-5.5	-4
-3.5	-3	-3	-3.5	-3	-4	-4	-3	-5
-3.5	-3	-3	-4.5	-4.5	-4	-3.5	-4	-5
-3	-3.5	-2.5	-5.5	-4.5	-5.5	-3.5	-4	-6
-2.5	-3	-3	-5.5	-4.5	-5.5	-2.5	-5	-7.5
-2.5	-3.5	-3	-4.5	-4.5	-5.5	-3.5	-6	-5
-2.5	-4	-3.5	-4	-4.5	-5.5	-2.5	-4	-4.5
-3	-3.5	-3	-3.5	-4.5	-4.5	-4	-3	-4
-3.5	-3.5	-6.5	-3	-3.5	-3.5	-4.5	-6	-4.5
-2.5	-3.5	-5	-2.5	-3.5	-2.5	-5	-2	-4
-2.5	-4	-4	-2.5	-3	-3.5	-3.5	-2	-5.5
-2.5	-3.5	-4.5	-2.5	-3.5	-4.5	-3.5	-2.5	-6.5
-2.5	-2.5	-5.5	-2.5	-2.5	-3.5	-5	-4	-6.5
-1.5	-3	-5.5	-3	-3	-4	-5.5	-4.5	-6.5
-1.5	-2.5	-4.5	-3.5	-2.5	-4	-5.5	-4	-7.5
-1.5	-3	-2.5	-2.5	-4.5	-5.5	-6.5	-5	-4.5
-3.5	-5	-3	-2	-3.5	-6	-2.5	-4	
-3.5	-5.5	-4.5	-2.5	-2.5	-5.5	-3.5	-4.5	
-4	-6	-5	-3.5	-2.5	-6	-3.5	-6.5	
-2.5	-3	-5.5	-5.5	-3	-5	-3	-2.5	
-3.5	-2	-4.5	-5	-3	-4.5	-3.5	-3.5	
-3.5	-3	-3.5	-3	-2.5		-3.5	-3.5	
-3	-6	-4	-2.5	-2.5		-4.5	-4.5	
-3	-5	-6	-5.5	-2.5		-3.5	-4.5	
-3.5	-2.5	-8	-2.5	-3		-3.5	-3.5	

Runup dan Rundown Model Terbuka 5 cm

1.5	0.5	5.5	2.5	1.5
1.5	1	4.5	3.5	7.5
1.5	1.5	1.5	3.5	3.5
2.5	2	2.5	3.5	1.5
3.5	5.5	3	2	1.5
3	3.5	6.5		3.5
2.5	2	8		4.5
1.5		4.5		6
1.5		4.5		
2		1.5		
2.5		2.5		
2.5		6		
2.5		5.5		

2.5	4.5
1	2

-2.5	-2	-6	-3.5	-3		-2.5	-4.5	
-2	-2.5	-5	-4.5	-4.5		-1	-2	
-2	-3	-2	-4.5	-3.5				
-2.5	-3.5	-3	-4.5	-1.5				
-2	-6.5	-3.5	-2	-1.5				
-4.5	-4.5	-4		-3.5				
-3.5	-3	-5		-4.5				
-3.5		-5		-6				
-2		-5						
-2		-3						
-2.5		-5						
-2.5		-6.5						
-2.5		-6						

Runup dan Rundown Model Terbuka 10 cm

RU Model Terbuka 10 cm Kedalaman 17.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
2	3	2.5	1.5	3	3	2.5	2	3.5
3	4.5	3.5	2.5	3.5	5.5	3.5	2.5	4
3.5	5	5	3.5	4.5	4.5	3	4	4.5
4	4	5.5	3	4	4.5	3.5	4	4.5
3.5	4.5	5	3.5	4	5	3.5	4	5
3.5	4.5	5.5	3.5	3.5	5.5	3.5	4.5	5
4	4.5	4.5	3	3.5	4	3.5	4.5	5.5
4	5	5	3	3.5	5.5	3	4.5	5.5
3.5	4	4.5	3	3.5	5	3	4.5	5.5
3.5	4.5	5	3	5	5	3.5	4	5.5
3.5	3.5	5	3.5	4	5	3.5	4	5
4	4.5	4.5	3.5	4.5	4.5	4	4.5	5
3.5	4.5	5	3.5	4.5	5.5	4.5	5	5
3	5.5	4.5	3.5	5.5	7	4	5	5.5
3.5	5.5	6.5	3.5	5	6.5	4	5.5	5
4.5	6	6.5	4.5	4.5	7.5	4	5.5	5
4	4	6.5	4.5	4.5	6.5	4.5	6	6
3	3	5.5	4.5	3.5	6.5	4.5	6.5	6.5
2.5	3	4.5	4	4.5	6.5	4.5	6.5	7
2.5	2.5	3.5	4	4.5	8.5	4	6	6.5
2.5	2	3	4	5	9	4.5	5.5	6.5
2	2	2.5	3	5	9.5	5	5	7.5
2	1	2.5	3.5	5.5	9.5	5	4.5	6.5
1.5	1.5	2	3.5	5.5	8.5	5	5	6.5
2	1	2	2.5	5.5	7.5	5	5	7
1.5	1	2	4	6.5	8	5.5	5.5	7.5
1.5	2	1.5	4.5	7	8.5	5.5	6	8.5
2	2.5	2	5	7.5	9.5	5.5	7	9
1.5	3.5	2.5	5	7.5	10.5	5.5	7.5	8
2	3.5	4	5.5	6.5	10	5	7.5	8.5

RD Model Terbuka 10 cm Kedalaman 17.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-3.5	-4	-3.5	-3	-4	-3.5	-3.5	-4	-3.5
-3.5	-4	-4.5	-3	-4	-4	-4	-3.5	-4.5
-3.5	-5	-4.5	-3	-4.5	-5	-4.5	-4	-4.5
-4	-4.5	-4.5	-3.5	-4.5	-5	-4.5	2	-4
-4	-4.5	-4	-3.5	-4	-5	-4.5	-4.5	-4
-4	-4	-3.5	-3.5	-4.5	-5	-4.5	-4	-5
-4	-4.5	-3.5	-4	-5	-5.5	-4.5	-4	-5
-3.5	-5	-3.5	-4	-4.5	-5.5	-4	-4.5	-5
-3	-5	-4	-4	-4.5	-5.5	-4	-4.5	-5.5
-4	-5.5	-4.5	-5.5	-6	-6	-5	-6	-6.5
-4	-5.5	-4.5	-5.5	-5.5	-6	-5.5	-6	-6.5
-4	-5	-4.5	-5	-5.5	-6.5	-6.5	-6.5	-6
-4.5	-5	-4.5	-5.5	-5.5	-7	-6	-7	-6
-4.5	-7	-7.5	-5	-5.5	-6	-6	-6	-6.5
-4.5	-5	-5.5	-5.5	-5	-6.5	-5	-6.5	-7
-5	-6	-6.5	-4.5	-5	-7	-5.5	-7	-6
-5.5	-6	-7.5	-5.5	-7	-7	-5.5	-7	-6.5
-4.5	-7	-7.5	-6.5	-5	-8.5	-6	-7	-7
-5	-7	-7.5	-6.5	-6	-7.5	-5.5	-5	-7
-5.5	-7.5	-7.5	-5.5	-6	-7.5	-5	-6.5	-7
-5	-7.5	-6.5	-5	-6	-7	-5	-7	-8
-5	-6.5	-7	-5	-6.5	-6	-4.5	-7	-6.5
-4.5	-4.5	-7.5	-5	-6.5	-5	-5.5	-6.5	-7
-4.5	-6.5	-7.5	-5.5	-7	-6	-6.5	-7	-7.5
-4.5	-4.5	-7.5	-5.5	-7	-7	-5.5	-7	-8
-5	-4	-7.5	-6	-7	-7	-6	-7	-7.5
-6	-4	-8	-7	-6	-7.5	-7	-5.5	-8.5
-5.5	-5.5	-7	-7	-7	-7.5	-7	-6.5	-7.5
-6	-6.5	-7	-6.5	-7	-8	-6.5	-5	-8
-5	-7	-5.5	-6	-6.5	-7	-6	-5	-6.5

Runup dan Rundown Model Terbuka 10 cm

2.5	4	3.5	6.5	3.5	8	4.5	7.5	9.5
1.5	4	4.5	6	3.5	8	4.5	7	7.5
2	3	4.5	5	4	11.5	4.5	5	6.5
1.5	3.5	3.5	3.5	3.5	10.5	3.5	5.5	6
1.5	3.5	2.5	3	3.5	9.5	3.5	4.5	7
2	4	3	2	3.5	10.5	4	3.5	8
2.5	4	3.5	2	3.5	9.5	5	3.5	8.5
2.5	3.5	4	2.5	4.5	7.5	6	4	10.5
3	3.5	4.5	3.5	5.5	10	6.5	4.5	12
3.5	3.5	5	2.5	8	7	6	5.5	9
3.5	4.5	4	4.5	8.5	7.5	5	6	4
3	5	4.5	6	9	8	4.5	6.5	4.5
3.5	5.5	5	6.5	5	8.5	4.5	8	5
3.5	5	5	5.5	3.5	7.5	4	8.5	5.5
4	5	7.5	3.5	3	7.5	3.5	9.5	6
3.5	3	7	2.5	3	11.5	2.5	3.5	5
3	2	3	1.5	3.5	10.5	2.5	3	5
2.5	6	2.5	3.5	3	10	3	2.5	9
3.5	6.5	6.5	4	2.5	10.5	3.5	2.5	10
4.5	4.5	7.6	3	2.5	5.5	4.5	1.5	11.5
4	4.5	7.5	2.5	3	10	5.5	3.5	9
3.5	3.5	4.5	2.5	3.5	8.5	6.5	5.5	7.5
3.5	2.5	3	3.5	5.5	6	3.5	5	7.5
2.5	2.5	3	5.5	7	4.5	2.5	4	9
2.5	3.5	3.5	6.5	6.5	6.5	2	6.5	7
2.5	3.5	4	7	6.5	8.5	1	7.5	4
2.5	4	6	8	8	8.5	2	9	4
2.5	5	6.5	6	2.5	8	2.5	4	5.5
2.5	6	6.5	2	3.5	9.5	2	6	6
3	7	9	4	7	3.5	2.5	4.5	5
2	5.5	8	5.5	5	11.5	3.5	7	6.5
1.5	5.5	5.5	4	2.5	10.5	5	5.5	4.5
2	4.5	6	4.5	1.5	12.5	3.5		4

-4	-6	-6	-6	-6.5	-7	-5.5	-4.5	-6.5
-3.5	-4	-6	-6.5	-6	-7.5	-5.5	-5	-5.5
-3.5	-2.5	-5.5	-6.5	-6.5	-6	-6	-6.5	-6
-3.5	-3.5	-3.5	-6.5	-7	-6.5	-5.5	-6.5	-7.5
-3.5	-3.5	-4	-6	-7	-7	-6	-6.5	-4
-3.5	-3.5	-3	-5.5	-7	-7.5	-5.5	-4.5	-6
-4.5	-3.5	-4	-6	-7	-7	-5.5	-5.5	-5
-4	-4.5	-5	-6	-6.5	-8	-6.5	-5.5	-7
-4	-3	-5	-5.5	-7	-6.5	-6	-3	-6
-4	-3	-4.5	-5	-6	-5.5	-5.5	-3	-7.5
-4	-3.5	-4.5	-5.5	-6	-5	-6	-4	-6.5
-4.5	-3	-4.5	-5	-5	-5	-6.5	-3.5	-5.5
-5.5	-5	-3.5	-5.5	-5.5	-5.5	-6.5	-4	-5
-4.5	-5	-5	-6	-5	-5.5	-6.5	-3	-5
-3.5	-5	-6	-6.5	-5.5	-5.5	-6.5	-3	-5.5
-4	-5.5	-6.5	-6.5	-5.5	-5.5	-6.5	-3	-6
-4	-5.5	-6.5	-7.5	-5.5	-6	-7.5	-3.5	-6.5
-4.5	-3.5	-4.5	-6.5	-6.5	-5.5	-6.5	-7.5	-7.5
-4.5	-3.5	-5	-6.5	-7.5	-6	-6	-7	-7.5
-3.5	-3.5	-5	-6.5	-7.5	-6.5	-6.5	-6.5	-7.5
-4.5	-3.5	-6	-5.5	-7.5	-5.5	-7.5	-6	-7.5
-3.5	-5.5	-5.5	-4.5	-7.5	-4.5	-7.5	-5.5	-7
-4.5	-6.5	-4.5	-4.5	-8	-5.5	-7.5	-6.5	-6.5
-4.5	-4.5	-5.5	-3.5	-7.5	-4	-6	-5.5	-4.5
-4.5	-4	-4	-5.5	-7.5	-5.5	-5.5	-5.5	-4.5
-4.5	-3.5	-5.5	-7	-8	-7	-4	-4.5	-5
-4.5	-3.5	-5	-5	-6.5	-6.5	-7.5	-8	-6
-3	-3.5	-6.5	-5.5	-7.5	-4.5	-3.5	-6.5	-5.5
-5.5	-3.5	-7	-5.5	-8	-4.5	-3.5	-4.5	-6.5
-5.5	-4.5	-6.5	-6	-7.5	-6.5	-6.5	-4.5	-5.5
-3.5	-5	-4.5	-5.5	-7.5	-7.5	-7	-5	-5.5
-3.5	-5	-4.5	-6	-7.5	-6.5	-6.5	-5	-4.5
-3.5	-5	-6.5	-5	-6.5	-6	-4.5		-3.5

Runup dan Rundown Model Terbuka 10 cm

2.5	3	3.5	4.5	5.5	12	3.5		11
4	5	6	6	7.5	10	5.5		
2.5	6	5.5	6.5	3.5				
2	5.5	7.5	7					
2	5.5	6	6.5					
2.5	4.5	4.5	5					
2.5	5	5.5						
2.5	5.5	5.5						
2.5		7.5						
3		4.5						
3.5								

-3.5	-4.5	-5.5	-5	-8	-6	-4.5		-3.5
-3.5	-6	-5.5	-5	-6.5	-6	-6.5		
-4.5	-6	-4	-3.5	-6				
-5.5	-4	4	-5.5					
-5.5	-4	-6.5	-6.5					
-6.5	-4	-6	-6					
-4.5	-4.5	-6.5						
-4.5	-3	-5.5						
-5		-7						
-5		-5						
-5								

Runup dan Rundown Model Terbuka 10 cm

RU Model Terbuka 10 cm Kedalaman 21 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
2	2	2.5	2	2	2	2	3	2
3	3	4	3	4.5	3.5	3	4	3
4	5	6	3.5	5	5	2.5	3.5	3.5
3	4.5	5.5	2.5	4	5.5	3.5	4	3
3.5	4.5	5	3	4	5	3	4	3
3	4.5	5	3	4	4.5	2.5	3.5	2.5
3.5	5	6.5	3	4	5.5	2.5	3.5	3
4	5.5	6.5	3	4	5.5	3	3	2.5
4	5.5	6	3.5	4.5	6	3	3	3
4	6	5	3.5	3.5	5.5	3	3.5	3
4	5.5	6	3.5	4.5	5.5	3.5	4.5	3.5
4	5	6	4.5	5.5	6	2.5	4	2.5
4.5	5	7	3	4.5	7.5	3	4.5	3.5
3.5	5.5	6	3.5	4.5	5.5	3.5	5.5	4.5
4	6	6.5	4.5	5	5.5	4	6	4
4	5.5	6.5	4.5	6	7	4.5	6.5	5
3	4.5	6	4.5	8	8.5	5	7	6
2.5	3	4	5	7.5	9	6	7	6
1.5	2.5	4	5	8	10	6	6.5	6
1	1.5	2.5	5	8	10.5	6	6.5	5.5
1	1.5	2	5.5	8	10.5	5.5	7	6
0.5	1.5	2.5	5	7.5	9.5	5	7	5.5
1	1.5	3.5	5	7.5	10.5	5	9	4.5
1	2	3.5	5.5	6.5	10	4.5	9	5.5
1	2	4	6	6.5	10	5.5	10	5
2.5	3	5.5	6	7	11	5	10.5	7
3	2.5	6	6.5	8	11	5.5	9.5	6.5
4	3.5	7	6	9	10	6	8.5	7
4	4.5	8	7.5	9	10	7	7.5	7
3.5	5	3	7	8.5	10	7	6	6

RD Model Terbuka 10 cm Kedalaman 21 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-3	-3	-3	-3	-2	-3	-2	-3	-2.5
-4	-4	-4	-4	-3.5	-3.5	-3.5	-3.5	-4.5
-4.5	-5	-4.5	-4.5	-4	-5	-4	-4.5	-5.5
-4.5	-5	-4	-4	-5.5	-6	-4	-4	-5
-5	-6	-5	-5	-7.5	-6	-5	-5.5	-6
-5	-6	-5	-5	-7.5	-6	-5	-6	-6.5
-5	-6.5	-7	-7	-7	-7.5	-5	-6	-7
-5.5	-6.5	-5	-5	-7	-7.5	-6	-6.5	-7
-6.5	-6.5	-6	-6	-6.5	-7.5	-6	-5.5	-7.5
-6	-7	-7	-6	-7	-7	-6	-6.5	-8
-5.5	-7	-6.5	-6	-7.5	-6	-5	-6	-8
-4.5	-5.5	-6.5	-6	-7.5	-6.5	-5.5	-5.5	-7.5
-5	-3.5	-5.5	-6	-8	-6.5	-6	-5.5	-7.5
-3.5	-3.5	-4.5	-6.5	-7.5	-6.5	-6	-6	-7.5
-4	-2.5	-5.5	-7	-7.5	-7.5	-5.5	-6	-7
-5	-3.5	-5.5	-6	-7.5	-6.5	-5.5	-6	-8
-4	-3.5	-5.5	-7	-7	-7.5	-5.5	-6.5	-7
-4.5	-4	-5.5	-7	-8	-7.5	-5.5	-7	-7
-4.5	-4.5	-6.5	-7	-7	-7	-5.5	-6	-8
-5	-5.5	-6.5	-8	-7	-7	-6.5	-7	-8
-5.5	-7	-8	-7	-7.5	-6	-6.5	-6.5	-7
-3	-3	-5	-6	-7	-7	-6.5	-6.5	-7
-4	-3.5	-5	-6	-6	-6.5	-6.5	-7.5	-8
-4	-5	-6	-5	-6	-6	-5	-6.5	-7
-4.5	-3.5	-6	-5	-5	-8	-6	-7.5	-7
-5.5	-4.5	-7	-7	-5	-7	-6.5	-7.5	-7
-5.5	-3.5	-6	-7	-6.5	-8.5	-6.5	-7	-7
-6	-4	-5	-6.5	-6.5	-8	-5	-8	-7
-6	-4.5	-5.5	-8	-8	-8	-6.5	-5.5	-7
-6.5	-4	-6.5	-7	-7	-8	-6	-3.5	-7

Runup dan Rundown Model Terbuka 10 cm

2.5	4	3	7.5	8	8.5	6	6	6.5
1.5	2.5	3.5	7	8.5	11.5	6	6.5	7
1.5	2.5	4	7.5	9	12	6	7.5	7
1.5	1.5	3.5	6.5	9	11.5	6	10	7
2	1.5	3.5	6	8.5	11	7	12	6
2.5	2	3.5	6	5	12.5	7.5	14	6
2.5	2	4	6	6.5	13	8	15	9
3	3.5	5	6.5	7.5	9.5	6.5	14.5	10.5
3.5	4	6	7	10.5	10	8.5	13	12
4	4.5	5.5	8	11.5	11.5	10	12	12
3.5	3.5	6	8.5	12	13	11	10.5	12
3.5	4	10	9	10	15	12	9	11
3	5.5	10	9	11	14	10.5	10	11.5
2	3.5	4	9	11	12.5	7.5	9	12
0.5	1.5	5	9.5	10	11.5	6.5	11	10
2.5	3	13	8	7	12	7	11.5	7.5
5	6	12	8.5	4.5	11	9	10.5	7
5.5	7.5	10.5	3	2.5	10.5	10.5	12	8.5
5	6	8.5	6.5	3.5	8.5	11	12	11
3.5	3.5	7.5	8	7	11.5	7	15	13
2.5	2.5	4.5	10	9	12	9	13	13
2	3	5.5	11	8	12.5	10	11	14
3	4	10.5	11.5	8	11	12.5	9	14
3.5	4.5	13	10	8.5	12	14	8	14
4	5	10	9	7.5	13.5	12	7.5	13.5
4	6	9	10.5	9	12	10	5	12
2	5.5	7.5	10.5	4.5	4.5	9	11	10
0.5	4.5	5.5	9	3.5		7.5	11.5	7.5
2	3	14	3	5		8	7	10.5
3.5	4	10	2	12		10.5	8.5	11
3	5	7.5	2	10		11.5	13	10
2	3.5	7.5	3	3.5		12	15	12.5
1	1.5	7	3.5	7.5		9	11	12

-3	-4	-5.5	-7	-7	-9	-5	-5.5	-7.5
-4	-3.5	-4.5	-6	-6	-6	-5.5	-7	-5
-4	-2.5	-2.5	-7	-6.5	-6.5	-6	-4.5	-5.5
-4	-4.5	-2.5	-7	-7	-6.5	-6	-7.5	-8
-4	-5.5	-4.5	-7	-7	-6	-6.5	-7.5	-7
-5	-5.5	-2.5	-7	-6.5	-6	-6	-7	-7
-4	-4.5	-3.5	-6	-7	-7	-6.5	-6.5	-6
-4	-5	-2.5	-6.5	-7.5	-5.5	-5.5	-7	-7
-4.5	-4	-7.5	-7	-7.5	-4.5	-5.5	-8	-7
-4.5	-5	-6.5	-7	-7	-5.5	-5	-5.5	-7
-4.5	-6	-7.5	-6.5	-6	-4	-4	-4.5	-6.5
-5	-6.5	-8	-7	-7	-3.5	-5	-4.5	-5.5
-5	-5.5	-8	-7.5	-7	-4.5	-5	-4.5	-4.5
-4	-5.5	-8	-7	-6.5	-4.5	-4	-5.5	-4.5
-3	-5.5	-7.5	-7.5	-6.5	-8	-5	-5	-4.5
-5.5	-5.5	-7.5	-7	-7.5	-7	-4.5	-5.5	-4.5
-5.5	-4.5	-6.5	-7.5	-6.5	-3	-3	-3	-3.5
-5.5	-4.5	-6.5	-5	-8	-4	-3	-3	-4.5
-5	-4	-3.5	-3	-6.5	-5	-3	-2.5	-7
-3	-4.5	-2.5	-3	-7	-4	-3	-3.5	-7.5
-3	-5.5	-4.5	-4	-7	-4.5	-4	-5.5	-7
-4	-6	-6.5	-3.5	-7	-4.5	-3.5	-5	-8
-3.5	-6	-5.5	-4	-8	-6	-4	-5.5	-7
-4	-5.5	-5.5	-7	-7	-6.5	-3	-5.5	-8
-3	-6	-6.5	-6.5	-8	-7	-3	-4.5	-6.5
-3	-6	-2.5	-4.5	-6.5	-6.5	-2.5	-4.5	-5.5
-3	-7.5	-6.5	-5.5	-6.5	-7.5	-3	-5	-6
-1.5	-7	-6	-5.5	-6		-4	-4	-5.5
-3.5	-7	-7	-6	-5		-4.5	-5.5	-5.5
-2.5	-7.5	-7	-5.5	-5.5		-3.5	-6	-5
-2.5	-6	-7.5	-6	-4		-3.5	-5	-6
-2	-6.5	-6	-5	-4.5		-3	-5.5	-5
-2.5	-7	-6	-5.5	-5		-4.5	-6	-5.5

Runup dan Rundown Model Terbuka 10 cm

1	1.5	7	5	5.5
1.5	2.5	10	7.5	4
2.5	3	9.5	6.5	4
4	3.5	13	8	3.5
5	6.5	14	6.5	3
4	8	11	10	2.5
2	7.5			
0.5	3			
1.5	4			
4	7.5			
5.5				

10	10.5	
12		

-3.5	-7.5	-5	-4	-5.5		-6	-6	
-4	-7	-6	-6	-5		-5		
-6	-5	-6.5	-5.5	-4				
-6	-5.5	-6.5	-6	-4.5				
-6	-5.5	-7.5	-6	-4				
-5.5	-6	-8	-5	-6				
-6.5	-5.5							
-5.5	-6							
-5.5	-5							
-4.5	-5.5							
-4								

Runup dan Rundown Model Terbuka 10 cm

RU Model Terbuka 10 cm Kedalaman 24.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
3.5	2.5	1.5	5	6	7.5	5.5	4	3.5
5.5	3.5	4	5.5	6.5	9	4.5	5.5	5
6	6	5.5	4.5	5.5	7.5	5	5	4
6	7	8	5	6	8	5	5.5	4.5
5	7	8	5	6.5	8.5	4.5	5.5	4.5
6.5	6	7	5	6	8	4.5	5.5	4.5
5.5	6.5	8	4.5	5.5	7.5	4.5	5.5	4.5
5.5	6.5	8	4.5	5.5	7.5	4.5	5	4.5
5.5	6	6.5	4.5	6	8	4.5	5.5	5
6	6.5	6.5	5	7	10	6	6	5
6	6.5	8	5.5	7	9	4.5	6.5	5.5
6.5	7	8.5	6.5	7	9.5	3.5	5.5	5
6.5	8	9.5	5	6	8.5	3	4	3.5
6.5	7.5	9	4.5	5	7.5	2	2.5	2.5
5.5	7.5	9	3	3	5.5	1.5	2	1.5
5.5	6.5	6.5	2.5	2.5	4.5	1.5	2.5	2
5.5	6	6.5	2.5	2	3.5	1.5	2.5	2.5
6.5	7	9	2.5	2	4	2	1	2
7	8	9	2	2	3.5	1.5	5	1.5
7.5	9	10.5	1.5	2.5	3.5	2.5	1.5	1.5
8	9.5	10.5	1.5	2.5	5	2.5	1.5	2.5
8	10	11	3	3.5	6	0.5	2.5	2.5
8	10.5	11.5	2.5	3.5	6	2	3	2.5
7.5	10.5	12	3.5	5.5	8.5	1.5	3	1.5
8	11	11.5	4.5	5	8	1.5	2	1
8	11.5	11.5	4	3.5	6.5	1.5	1	2.5
7	11	10.5	2.5	2.5	5.5	3	3	3.5
6.5	9.5	9	1.5	3	5	3.5	4.5	4.5
7	9.5	8	2.5	4	6	4	5	3.5
7.5	10.5	9	4	5	6.5	4.5	3.5	2.5

RD Model Terbuka 10 cm Kedalaman 24.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-2	-3.5	-2	-2	-3.5	-3	-4	-4.5	-3
-3	-3.5	-3	-3	-3.5	-4	-5	-6	-3
-3.5	-4	-3.5	-3.5	-4.5	-4.5	-5	-6	-3.5
-4	-4	-4	-4	-5	-4.5	-5	-6	-4
-4	-4.5	-4	-4	-5.5	-5	-5	-5.5	-4.5
-4	-4	-4	-4	-5.5	-4.5	-5	-6	-4
-4.5	-4	-4.5	-4.5	-5.5	-4.5	-6.5	-6.5	-4.5
-5	-4	-5	-5	-6	-4.5	-5	-7	-4
-6	-4.5	-6	-6	-6.5	-5.5	-4.5	-6.5	-5
-6	-4	-6	-5.5	-4.5	-8.5	-4	-5	-4.5
-6	-4	-6	-4.5	-3	-5.5	-3	-3.5	-5
-6.5	-5	-6.5	-2.5	-3.5	-5.5	-2.5	-3	-5
-6.5	-4.5	-6.5	-2.5	-3.5	-6	-2.5	-3.5	-4.5
-6.5	-3.5	-6.5	-2	-3.5	-6.5	-2.5	-3.5	-4.5
-5	-3	-5	-2.5	-2.5	-7	-2.5	-1.5	-2.5
-5.5	-3	-5.5	-3	-3	-7	-2	-5.5	-3
-5.5	-2.5	-5.5	-2.5	-3	-7	-3	-2	-2.5
-6	-3	-6	-3	-3.5	-8	-3	-2	-2.5
-4.5	-3	-4.5	-3	-3.5	-7	-1	-3	-3
-4	-4	-4	-4	-4.5	-7	-2.5	-3.5	-4.5
-5	-4.5	-5	-5	-3.5	-6	-4	-4.5	-3.5
-4.5	-4	-4.5	-4.5	-4.5	-5	-4.5	-4	-3.5
-6.5	-4	-6.5	-3.5	-4	-4.5	-3	-4	-3
-5	-4	-5	-3	-3.5	-5	-2.5	-4	-4.5
-3.5	-3	-3.5	-3	-3	-5.5	-2.5	-3	-4
-3	-3	-3	-3	-3	-6	-2.5	-2	-4
-3	-4.5	-3	-4	-3	-5.5	-4	-4	-4.5
-2.5	-4	-2.5	-4	-3.5	-5.5	-4.5	-5.5	-4.5
-2.5	-4	-2.5	-3	-4.5	-5.5	-5	-6	-4.5
-2	-4.5	-2	-4.5	-4	-5.5	-5.5	-4.5	-4.5

Runup dan Rundown Model Terbuka 10 cm

7.5	12	9.5	3.5	5	8	4.5	4	4.5
7	11	10	4	5.5	8.5	4.5	5.5	5
5.5	9.5	8.5	5	7.5	10	4.5	6	5
5.5	8.5	5.5	5.5	7.5	9.5	3	6.5	3.5
5.5	8	6	5.5	7	9	3.5	4	3
6.5	8.5	5.5	4.5	5.5	8	5	4	5.5
6.5	10	6.5	3.5	3.5	4.5	5	5.5	6
6.5	10.5	8.5	2	8	3.5	5	6.5	4.5
6	9.5	8	3.5	7.5	9	3.5	6.5	2.5
5.5	8.5	4.5	5.5	8.5	10.5	2.5	4	1.5
5.5	8.5	6.5	5.5	7.5	10	2.5	2.5	2
5.5	8.5	8	5	6	9.5	2.5	2.5	3.5
5.5	8	9	3.5	4.5	8	3.5	4.5	4.5
4.5	8	8.5	3	4	7	2.5	5.5	3.5
4	6	7.5	4	5	8.5	2.5	5	2.5
3.5	4	3.5	2.5	5.5	10	2	3	2.5
4.5	4	2.5	4	7	12.5	3.5	3	3
5	6	6	4.5	6.5	12.5	1.5	4.5	1.5
5	7	8	4.5	5.5	7.5	1.5	2	1
4.5	6.5	7.5	4.5	3.5	10.5	1.5	1.5	2.5
3.5	5.5	6	2.5	7	8.5	3	1.5	1.5
3.5	2.5	4	4	4.5	2.5	1.5	-1	2.5
3.5	2	4	4.5	2.5	2.5	1.5	3.5	4.5
4.5	3.5	4.5	3	1.5	4.5	3	5.5	5
4.5	4.5	9	2	3	7.5	4.5	6	3.5
4.5	5	9.5	2	4	8	3.5	5	1.5
3	3.5	7.5	2.5	5.5	ovt	2	1.5	3
3.5	4	6.5	3	8		4	3.5	6
4.5	3	6.5	4	8		5	7.5	3.5
5.5	3.5	9.5	4.5	3		2.5	4.5	4
5	5.5	11.5	3	3.5		3	3.5	4.5
4.5	5.5	10.5	1.5	5		3	5	3
4	4	7.5	3.5	8.5			4.5	5.5

-3	-4	-3	-4.5	-5	-9.5	-5.5	-5	-5
-3.5	-5.5	-3.5	-3.5	-4.5	-6.5	-5.5	-6.5	-5.5
-3	-5	-3	-4	-5	-7.5	-5.5	-7	-6
-3.5	-5	-3.5	-4.5	-5	-7.5	-4	-7.5	-6
-3.5	-5.5	-3.5	-3.5	-4.5	-7	-4.5	-5	-6
-3.5	-5.5	-3.5	-4.5	-4.5	-6	-6	-5	-6.5
-4	-4	-4	-5	-4	-7	-6	-6.5	-6.5
-4	-4	-4	-5.5	-3.5	-7.5	-6	-7.5	-5.5
-4.5	-3.5	-4.5	-8.5	-4.5	-8.5	-4.5	-7.5	-5
-5	-4	-5	-8.5	-5	-8.5	-3.5	-5	-6
-4.5	-4	-4.5	-8.5	-5	-7.5	-3.5	-3.5	-6
-5	-4	-5	-7.5	-4.5	-7.5	-3.5	-3.5	-7
-5	-5.5	-5	-7.5	-4.5	-7.5	-4.5	-5.5	-8.5
-5.5	-4.5	-5.5	-7.5	-3	-4	-3.5	-6.5	-6
-6	-4.5	-6	-5	-3.5	-8.5	-3.5	-6	-5.5
-6.5	-4.5	-6.5	-3.5	-3	-8.5	-3	-4	-5
-6	-5.5	-6	-3.5	-3	-8.5	-4.5	-4	-5.5
-6.5	-4.5	-6.5	-4	-3.5	-7.5	-2.5	-5.5	-5
-6.5	-5	-6.5	-4.5	-3	-7.5	-2.5	-3	-6.5
-7.5	-5	-7.5	-4	-4.5	-5	-2.5	-2.5	-7.5
-6	-2	-6	-4.5	-4	-4.5	-4	-2.5	-7.5
-4	-4	-4	-3.5	-4	-5	-2.5	-2	-7.5
-4	-3	-4	-3	-4.5	-5	-2.5	-4.5	-8.5
-4.5	-3	-4.5	-3	-4.5	-5.5	-4	-6.5	-5.5
-3.5	-3	-3.5	-3.5	-3	-5.5	-5.5	-7	-6
-3	-3	-3	-3	-4	-5	-4.5	-6	ovt
-3	-3	-3	-5.5	-4.5	0vt	-3	-2.5	
-3.5	-4.5	-3.5	-4.5	-3.5		-5	-4.5	
-3	-4	-3	-4.5	-3		-6	-4	
-5.5	-3	-5.5	-3	-3		-3.5	-5.5	
-4.5	-3	-4.5	-3	-3.5		-4	-4.5	
-4.5	-4	-4.5	-4.5	-3		-4	-6	
-5.5	-4	-5.5	-4.5	-4.5			-5.5	

Runup dan Rundown Model Terbuka 10 cm

4.5	4.5	5.5	7	4
5.5	4.5	6	6	1.5
5.5	6	8.5	3	2.5
5.5	7	8.5	1.5	7.5
5	6.5	8	2	8.5
4.5	6	5.5		
5	5.5	4.5		
5.5		6		
6		8.5		
5.5		9		
5.5		6.5		
4.5		2		
		3		

7.5
9.5
8.5
3.5

6 |

-5	-3	-5	-3	-7.5			-5.5	
-4.5	-3.5	-4.5	-6.5	-7			-5.5	
-5	-4.5	-5	-4	-7			-5.5	
-5	-2.5	-5	-5.5	-5			-4.5	
-6	-5	-6	-5	-4.5				
-6	-4	-6		-4.5				
-5	-4	-5						
-4.5		-4.5						
-4		-4						
-3		-3						
-4		-4						
-3		-3						
-7.5		-7.5						
-4.5		-4.5						

Runup dan Rundown Model Terbuka 15 cm

RU Model Terbuka 15 cm Kedalaman 17.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
3	4	4	3.5	3	3	2.5	2	3
4	5.5	5	3.5	3.5	3	3.5	2.5	4
4.5	6	6.5	3.5	5.5	3	3	4	4.5
5	5	7	3	4.5	5.5	3.5	4	4.5
6	5.5	6.5	3	4.5	4.5	3.5	4	5
6.5	5.5	7	3	4	4.5	3.5	4.5	6
5.5	5.5	6	3	4	5	3.5	4.5	6.5
6	6	6.5	3.5	4	5.5	3	4.5	6.5
6	5	6	3.5	4	4	3	4.5	6.5
6	5.5	6.5	3.5	5.5	5.5	3.5	4	6.5
6.5	4.5	6.5	3.5	4.5	5	3.5	4	5
5.5	5.5	6	3.5	5	6	4	4.5	5
6	5.5	6.5	4.5	5	6	4.5	5	5
5	6.5	6	4.5	6	5.5	4	5	5.5
6	6.5	8	4.5	5.5	6.5	4	5.5	5
6	7	8	4	5	8	4	5.5	5
7	5.5	8	4	5	7.5	4.5	6	6
7	4.5	7	4	4	8.5	4.5	6.5	6.5
7.5	4.5	6	3	5	7.5	4.5	6.5	7
5.5	4	5	3.5	5	7.5	4	6	6.5
4.5	3.5	4.5	3.5	5.5	7.5	6	5.5	6.5
4.5	3.5	4	2.5	5.5	9.5	6.5	5	7.5
4	2.5	4	4	5.5	6.5	6.5	4.5	6.5
3.5	3	3.5	4.5	5.5	6.5	5	5	6.5
3.5	2	3.5	5	5.5	6.5	5	5	7
2.5	2	3.5	5	6.5	8.5	5.5	5.5	9.5
4.5	3	3	5.5	7	7.5	5.5	6	8.5
4	3.5	3.5	6.5	7.5	8	5.5	7	7.5
4	4.5	4	6	7.5	8.5	5.5	7.5	8
3	4.5	5.5	5	6.5	9.5	5	7.5	8.5

RD Model Terbuka 15 cm Kedalaman 17.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-3.5	-4	-3.5	-3	-4	-3.5	-3.5	-4	-3.5
-3.5	-4	-4.5	-3	-4	-4	-4	-3.5	-4.5
-3.5	-5	-4.5	-3	-4.5	-5	-4.5	-4	-4.5
-4	-4.5	-4.5	-3.5	-4.5	-5	-4.5	2	-4
-4	-4.5	-4	-3.5	-4	-5	-4.5	-4.5	-4
-4	-4	-3.5	-3.5	-4.5	-5	-4.5	-4	-5
-4	-4.5	-3.5	-4	-5	-5.5	-4.5	-4	-5
-3.5	-5	-3.5	-4	-4.5	-5.5	-4	-4.5	-5
-3	-5	-4	-4	-4.5	-5.5	-4	-4.5	-5.5
-4	-5.5	-4.5	-5.5	-6	-6	-5	-6	-6.5
-4	-5.5	-4.5	-5.5	-5.5	-6	-5.5	-6	-6.5
-4	-5	-4.5	-5	-5.5	-6.5	-6.5	-6.5	-6
-4.5	-5	-4.5	-5.5	-5.5	-7	-6	-7	-6
-4.5	-7	-7.5	-5	-5.5	-6	-6	-6	-6.5
-4.5	-5	-5.5	-5.5	-5	-6.5	-5	-6.5	-7
-5	-6	-6.5	-4.5	-5	-7	-5.5	-7	-6
-5.5	-6	-7.5	-5.5	-7	-7	-5.5	-7	-6.5
-4.5	-7	-7.5	-6.5	-5	-8.5	-6	-7	-7
-5	-7	-7.5	-6.5	-6	-7.5	-5.5	-5	-7
-5.5	-7.5	-7.5	-5.5	-6	-7.5	-5	-6.5	-7
-5	-7.5	-6.5	-5	-6	-7	-5	-7	-8
-5	-6.5	-7	-5	-6.5	-6	-4.5	-7	-6.5
-4.5	-4.5	-7.5	-5	-6.5	-5	-5.5	-6.5	-7
-4.5	-6.5	-7.5	-5.5	-7	-6	-6.5	-7	-7.5
-4.5	-4.5	-7.5	-5.5	-7	-7	-5.5	-7	-8
-5	-4	-7.5	-6	-7	-7	-6	-7	-7.5
-6	-4	-8	-7	-6	-7.5	-7	-5.5	-8.5
-5.5	-5.5	-7	-7	-7	-7.5	-7	-6.5	-7.5
-6	-6.5	-7	-6.5	-7	-8	-6.5	-5	-8
-5	-7	-5.5	-6	-6.5	-7	-6	-5	-6.5

Runup dan Rundown Model Terbuka 15 cm

3	5	5	3.5	3.5	10.5	4.5	7.5	9.5
4	4	6	3	3.5	10	5	7	10.5
4	3.5	6	2	4	8	5	5	10
4	3	5	2	3.5	8	4	5.5	8
4.5	3.5	4	2.5	3.5	11.5	4	4.5	7
3.5	4.5	4.5	3.5	3.5	10.5	4.5	3.5	8
5	3.5	5	2.5	3.5	9.5	5.5	3.5	8.5
4	4.5	5.5	4.5	4.5	10.5	5.5	4	10.5
4	5.5	5.5	6	5.5	9.5	5.5	4.5	12
4	5.5	6	4.5	4	7.5	6	5.5	9
5	6	6.5	5.5	4	10	5	6	4
5.5	5.5	6.5	6	5	7	4.5	6.5	4.5
6.5	6.5	6.5	6.5	5.5	7.5	4.5	8	6.5
6	6	8.5	6	6.5	8	4	8.5	8.5
6.5	6	9	6.5	6.5	8.5	3.5	9.5	8.5
7	4	9.5	6.5	6.5	7.5	2.5	3.5	8
6.5	3	4.5	6.5	6.5	7.5	2.5	4	9.5
6.5	7	4	6.5	3.5	12	3	3.5	9
4.5	7.5	8	5.5	2.5	11.5	3.5	3.5	10
3.5	5.5	9.1	3.5	2.5	6.5	4.5	2.5	11.5
7.5	5.5	9	5.5	3	11	5.5	4.5	9
8	4.5	6	6.5	3.5	9.5	6.5	6.5	7.5
6	3.5	4	7	5.5	8	3.5	6	7.5
5.5	3.5	4	8	7	7.5	2.5	4	9
5	4.5	5	6	6.5	6	2	6.5	7
4.5	4.5	5.5	2	6.5	4.5	1	7.5	5
5	5	7.5	4	9	6.5	2	9	5
5	6	8	5.5	3.5	8.5	2.5	4	6.5
5	7	8	4	4.5	8.5	2	6	7
5.5	8	10.5	4.5	8	8	2.5	4.5	6
6.5	6.5	9.5	4.5	6	9.5	3.5	7	7.5
7.5	6.5	8	6	3.5	3.5	5	5.5	5.5
8.5	5.5	7.5	5.5	2.5	11.5	3.5		5

-4	-6	-6	-6	-6.5	-7	-5.5	-4.5	-6.5
-3.5	-4	-6	-6.5	-6	-7.5	-5.5	-5	-5.5
-3.5	-2.5	-5.5	-6.5	-6.5	-6	-6	-6.5	-6
-3.5	-3.5	-3.5	-6.5	-7	-6.5	-5.5	-6.5	-7.5
-3.5	-3.5	-4	-6	-7	-7	-6	-6.5	-4
-3.5	-3.5	-3	-5.5	-7	-7.5	-5.5	-4.5	-6
-4.5	-3.5	-4	-6	-7	-7	-5.5	-5.5	-5
-4	-4.5	-5	-6	-6.5	-8	-6.5	-5.5	-7
-4	-3	-5	-5.5	-7	-6.5	-6	-3	-6
-4	-3	-4.5	-5	-6	-5.5	-5.5	-3	-7.5
-4	-3.5	-4.5	-5.5	-6	-5	-6	-4	-6.5
-4.5	-3	-4.5	-5	-5	-5	-6.5	-3.5	-5.5
-5.5	-5	-3.5	-5.5	-5.5	-5.5	-6.5	-4	-5
-4.5	-5	-5	-6	-5	-5.5	-6.5	-3	-5
-3.5	-5	-6	-6.5	-5.5	-5.5	-6.5	-3	-5.5
-4	-5.5	-6.5	-6.5	-5.5	-5.5	-6.5	-3	-6
-4	-5.5	-6.5	-7.5	-5.5	-6	-7.5	-3.5	-6.5
-4.5	-3.5	-4.5	-6.5	-6.5	-5.5	-6.5	-7.5	-7.5
-4.5	-3.5	-5	-6.5	-7.5	-6	-6	-7	-7.5
-3.5	-3.5	-5	-6.5	-7.5	-6.5	-6.5	-6.5	-7.5
-4.5	-3.5	-6	-5.5	-7.5	-5.5	-7.5	-6	-7.5
-3.5	-5.5	-5.5	-4.5	-7.5	-4.5	-7.5	-5.5	-7
-4.5	-6.5	-4.5	-4.5	-8	-5.5	-7.5	-6.5	-6.5
-4.5	-4.5	-5.5	-3.5	-7.5	-4	-6	-5.5	-4.5
-4.5	-4	-4	-5.5	-7.5	-5.5	-5.5	-5.5	-4.5
-4.5	-3.5	-5.5	-7	-8	-7	-4	-4.5	-5
-4.5	-3.5	-5	-5	-6.5	-6.5	-7.5	-8	-6
-3	-3.5	-6.5	-5.5	-7.5	-4.5	-3.5	-6.5	-5.5
-5.5	-3.5	-7	-5.5	-8	-4.5	-3.5	-4.5	-6.5
-5.5	-4.5	-6.5	-6	-7.5	-6.5	-6.5	-4.5	-5.5
-3.5	-5	-4.5	-5.5	-7.5	-7.5	-7	-5	-5.5
-3.5	-5	-4.5	-6	-7.5	-6.5	-6.5	-5	-4.5
-3.5	-5	-6.5	-5	-6.5	-6	-4.5		-3.5

Runup dan Rundown Model Terbuka 15 cm

7	4	5	5	6.5	10.5	3.5		
7	6	7.5	6	7.5		5.5		
6	7	7	5.5	3.5	12			
4.5	6.5	9	5.5					
4	6.5	7.5	4.5					
5.5	5.5	6	5					
6	6	7						
5	6.5	7						
3.5		6						
4		6						
4.5								

-3.5	-4.5	-5.5	-5	-8	-6	-4.5		-3.5
-3.5	-6	-5.5	-5	-6.5	-6	-6.5		
-4.5	-6	-4	-3.5	-6				
-5.5	-4	4	-5.5					
-5.5	-4	-6.5	-6.5					
-6.5	-4	-6	-6					
-4.5	-4.5	-6.5						
-4.5	-3	-5.5						
-5		-7						
-5		-5						
-5								

Runup dan Rundown Model Terbuka 15 cm

RU Model Terbuka 15 cm Kedalaman 21 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
3	3	3.5	3	3	3	3	4	3
4	4	5	4	5.5	4.5	4	5	4
5	6	7	4.5	6	6	3.5	4.5	4.5
4	5.5	6.5	3.5	5	6.5	4.5	5	4
4.5	6	5	5	6	5.5	4.5	5	4
5	5.5	6	4	5	5.5	3.5	4.5	3.5
4	5.5	6.5	3.5	5	6.5	4.5	5	4
4.5	5.5	6	4	5	6	4	5	4
4	5.5	6	4	5	5.5	3.5	4.5	3.5
4.5	6	7.5	4	5	6.5	3.5	4.5	4
5	6.5	7.5	4	5	6.5	4	4	3.5
5	6.5	7	4.5	5.5	7	4	4	4
5	7	6	4.5	4.5	6.5	4	4.5	4
4	6.5	7	4.5	5.5	6.5	4.5	5.5	5
4.5	6	7	5.5	6.5	7	3.5	5	4.5
4.5	6	8	5	5.5	8.5	4	5.5	5.5
3.5	6.5	7	5	5.5	6.5	4.5	6.5	6.5
3	6.5	7	5.5	5.5	6	6.5	6.5	6.5
2	7	8	5.5	7.5	8.5	6.5	8	6.5
1.5	6	7.5	5.5	9.5	10	6.5	8.5	6
1.5	4.5	5.5	6	9	10.5	6	8.5	6.5
1	4	5.5	5.5	9.5	11.5	5.5	8	7.5
1.5	2	3	5.5	8.5	11	5.5	7	6
1.5	2	2.5	6	8.5	11	5	7.5	6.5
1	2	3	5.5	8	10	6	7.5	6.5
1.5	2	4	5.5	8	11	5.5	9.5	8.5
1.5	2.5	4	6	7	10.5	5	9.5	8
1.5	2.5	4.5	6.5	7	10.5	6	10.5	8.5
3.5	4	6.5	7	8	12	6	11.5	8.5
4	3.5	0:00	7.5	9	12	6.5	10.5	7.5

RD Model Terbuka 15 cm Kedalaman 21 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-3	-3	-3	-3	-2	-3	-2	-3	-2.5
-4	-4	-4	-4	-3.5	-3.5	-3.5	-3.5	-4.5
-4.5	-5	-4.5	-4.5	-4	-5	-4	-4.5	-5.5
-4.5	-5	-4	-4	-5.5	-6	-4	-4	-5
-5	-6	-5	-5	-7.5	-6	-5	-5.5	-6
-5	-6	-5	-5	-7.5	-6	-5	-6	-6.5
-5	-6.5	-7	-7	-7	-7.5	-5	-6	-7
-5.5	-6.5	-5	-5	-7	-7.5	-6	-6.5	-7
-6.5	-6.5	-6	-6	-6.5	-7.5	-6	-5.5	-7.5
-6	-7	-7	-6	-7	-7	-6	-6.5	-8
-5.5	-7	-6.5	-6	-7.5	-6	-5	-6	-8
-4.5	-5.5	-6.5	-6	-7.5	-6.5	-5.5	-5.5	-7.5
-5	-3.5	-5.5	-6	-8	-6.5	-6	-5.5	-7.5
-3.5	-3.5	-4.5	-6.5	-7.5	-6.5	-6	-6	-7.5
-4	-2.5	-5.5	-7	-7.5	-7.5	-5.5	-6	-7
-5	-3.5	-5.5	-6	-7.5	-6.5	-5.5	-6	-8
-4	-3.5	-5.5	-7	-7	-7.5	-5.5	-6.5	-7
-4.5	-4	-5.5	-7	-8	-7.5	-5.5	-7	-7
-4.5	-4.5	-6.5	-7	-7	-7	-5.5	-6	-8
-5	-5.5	-6.5	-8	-7	-7	-6.5	-7	-8
-5.5	-7	-8	-7	-7.5	-6	-6.5	-6.5	-7
-3	-3	-5	-6	-7	-7	-6.5	-6.5	-7
-4	-3.5	-5	-6	-6	-6.5	-6.5	-7.5	-8
-4	-5	-6	-5	-6	-6	-5	-6.5	-7
-4.5	-3.5	-6	-5	-5	-8	-6	-7.5	-7
-5.5	-4.5	-7	-7	-5	-7	-6.5	-7.5	-7
-5.5	-3.5	-6	-7	-6.5	-8.5	-6.5	-7	-7
-6	-4	-5	-6.5	-6.5	-8	-5	-8	-7
-6	-4.5	-5.5	-8	-8	-8	-6.5	-5.5	-7
-6.5	-4	-6.5	-7	-7	-8	-6	-3.5	-7

Runup dan Rundown Model Terbuka 15 cm

5	4.5	8	7	10	11	7	9.5	8
5.5	6	9.5	9	10.5	11.5	8.5	9	8.5
5	6.5	7	8.5	10	11.5	8.5	7.5	8.5
4	5.5	4.5	9	9.5	10	7.5	7.5	8.5
3	4	5	8.5	10	13	7.5	8	8.5
3	4	5.5	9	10.5	13.5	7.5	9	8.5
3	3	5	8	10.5	13	7.5	11.5	8.5
3	2.5	4.5	7	9.5	12	8	13	7
3.5	3	4.5	8.5	6	13.5	8.5	15	7
3.5	3	5	9.5	7.5	14	9	16	10
3.5	4	5.5	10	8	10	7	15	11
4	4.5	6.5	10.5	11	10.5	9	13.5	12.5
4.5	5	6	10.5	12	12	10.5	12.5	12.5
4	4	6.5	10.5	12.5	13.5	11.5	11	12.5
4	4.5	10.5	11	10.5	15.5	12.5	9.5	11.5
3.5	6	10.5	9.5	11.5	14.5	11	10.5	12
2.5	4	4.5	10	11.5	13	8	9.5	12.5
1	2	5.5	4.5	10.5	12	7	11.5	10.5
3.5	4	14	9	8	13	8	12.5	8.5
6	7	13	9.5	5.5	12	10	11.5	8
6.5	8.5	11.5	4	3.5	11.5	11.5	13	9.5
6	7	9.5	7.5	5	10	12.5	13.5	12.5
4.5	4.5	8.5	9	8.5	13	8.5	16.5	14.5
3.5	3.5	5.5	11	10.5	13.5	10.5	14.5	14.5
3	4	6.5	12	9.5	14	11.5	12.5	15.5
4	5	11.5	12.5	9.5	12.5	14	10.5	15.5
4.5	5.5	14	11	10	13.5	15.5	9.5	15.5
5	6	11	10	9	15	13.5	9	15
5	7	10	11.5	10.5	13.5	11.5	6.5	13.5
3	6.5	8.5	11.5	6	6	10.5	12.5	11.5
1.5	5.5	6.5	10	5		9	13	8.5
3	4	15	3	6.5		9.5	8.5	11.5
4.5	5	11	2	13.5		12	10	12

-3	-4	-5.5	-7	-7	-9	-5	-5.5	-7.5
-4	-3.5	-4.5	-6	-6	-6	-5.5	-7	-5
-4	-2.5	-2.5	-7	-6.5	-6.5	-6	-4.5	-5.5
-4	-4.5	-2.5	-7	-7	-6.5	-6	-7.5	-8
-4	-5.5	-4.5	-7	-7	-6	-6.5	-7.5	-7
-5	-5.5	-2.5	-7	-6.5	-6	-6	-7	-7
-4	-4.5	-3.5	-6	-7	-7	-6.5	-6.5	-6
-4	-5	-2.5	-6.5	-7.5	-5.5	-5.5	-7	-7
-4.5	-4	-7.5	-7	-7.5	-4.5	-5.5	-8	-7
-4.5	-5	-6.5	-7	-7	-5.5	-5	-5.5	-7
-4.5	-6	-7.5	-6.5	-6	-4	-4	-4.5	-6.5
-5	-6.5	-8	-7	-7	-3.5	-5	-4.5	-5.5
-5	-5.5	-8	-7.5	-7	-4.5	-5	-4.5	-4.5
-4	-5.5	-8	-7	-6.5	-4.5	-4	-5.5	-4.5
-3	-5.5	-7.5	-7.5	-6.5	-8	-5	-5	-4.5
-5.5	-5.5	-7.5	-7	-7.5	-7	-4.5	-5.5	-4.5
-5.5	-4.5	-6.5	-7.5	-6.5	-3	-3	-3	-3.5
-5.5	-4.5	-6.5	-5	-8	-4	-3	-3	-4.5
-5	-4	-3.5	-3	-6.5	-5	-3	-2.5	-7
-3	-4.5	-2.5	-3	-7	-4	-3	-3.5	-7.5
-3	-5.5	-4.5	-4	-7	-4.5	-4	-5.5	-7
-4	-6	-6.5	-3.5	-7	-4.5	-3.5	-5	-8
-3.5	-6	-5.5	-4	-8	-6	-4	-5.5	-7
-4	-5.5	-5.5	-7	-7	-6.5	-3	-5.5	-8
-3	-6	-6.5	-6.5	-8	-7	-3	-4.5	-6.5
-3	-6	-2.5	-4.5	-6.5	-6.5	-2.5	-4.5	-5.5
-3	-7.5	-6.5	-5.5	-6.5	-7.5	-3	-5	-6
-1.5	-7	-6	-5.5	-6		-4	-4	-5.5
-3.5	-7	-7	-6	-5		-4.5	-5.5	-5.5
-2.5	-7.5	-7	-5.5	-5.5		-3.5	-6	-5
-2.5	-6	-7.5	-6	-4		-3.5	-5	-6
-2	-6.5	-6	-5	-4.5		-3	-5.5	-5
-2.5	-7	-6	-5.5	-5		-4.5	-6	-5.5

Runup dan Rundown Model Terbuka 15 cm

4	6	8.5	2	11.5
3	4.5	8.5	3	5
2	2.5	8	3.5	9
2	2.5	8	5	7
2.5	3.5	11	7.5	5.5
3.5	4	10.5	6.5	5.5
5	4.5	14	8	5
6	7.5	14	6.5	4.5
5	9	11	10	4
3	8.5			
1.5	4			
2.5	5			
5	8.5			
6.5				

13	14.5	11
13.5	14	13.5
10.5	12.5	12
11.5	12	
13.5		

-3.5	-7.5	-5	-4	-5.5		-6	-6	
-4	-7	-6	-6	-5		-5		
-6	-5	-6.5	-5.5	-4				
-6	-5.5	-6.5	-6	-4.5				
-6	-5.5	-7.5	-6	-4				
-5.5	-6	-8	-5	-6				
-6.5	-5.5							
-5.5	-6							
-5.5	-5							
-4.5	-5.5							
-4								

Runup dan Rundown Model Terbuka 15 cm

RU Model Terbuka 15 cm Kedalaman 24.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
4.5	2.5	2	3	4	3	2.5	3	2.5
4.5	3.5	2.5	6	5	5	4.5	4	3.5
6.5	4.5	5	6.5	7	8.5	6.5	5	4.5
7	7	6.5	5.5	7.5	10	5.5	6.5	6
7	8	9	6	6.5	8.5	6	6	5
6	8	9	6	7	9	6	6.5	5.5
7.5	7	8	6	7.5	9.5	5.5	6.5	5.5
6.5	7.5	9	5.5	7	9	5.5	6.5	5.5
6	7.5	9	5.5	6.5	8.5	5.5	6.5	5.5
7	7	7.5	5.5	6.5	8.5	5.5	6	5.5
7	7.5	7.5	6	7	9	5.5	6.5	6
8	7.5	9	6.5	8	11	7	7	6
7.5	8	9.5	7.5	8	10	5.5	7.5	6.5
6.5	9	10.5	6	8	10.5	4.5	6.5	6
5.5	8.5	10	5.5	7	9.5	4	5	4.5
6	8.5	10	4	6	8.5	3	3.5	3.5
6.5	7.5	7.5	3.5	4	6.5	2.5	3	2.5
5.5	7	7.5	3.5	3.5	5.5	2.5	3.5	3
7.5	8	10	3.5	3	4.5	2.5	3.5	3.5
8	9	10	3	3	5	3	2	3
8.5	10	11.5	2.5	3	4.5	2.5	6	2.5
9	10.5	11.5	2.5	3.5	6	3.5	2.5	2.5
9	11	12	4	3.5	5.5	3.5	2.5	3.5
9	11.5	12.5	3.5	4.5	5.5	1.5	3.5	3.5
8.5	11.5		4.5	4.5	6	3	4	3.5
9	12	12.5	5.5	6.5	6.5	2.5	4	2.5
9	12.5	12.5	5	6	7	2.5	3	2
8	12	11.5	3.5	4.5	7.5	2.5	2	3.5
7.5	10.5	10	2.5	3.5	7	4	4	4.5
8	10.5	9	3.5	4	9	4.5	5.5	5.5

RD Model Terbuka 15 cm Kedalaman 24.5 cm

T 1.3			T 1.4			T 1.5		
St 4	St 5	St 6	St 4	St 5	St 6	St 4	St 5	St 6
-4	-3.5	-2	-2	-3.5	-3	-4	-4.5	-3
-6	-3.5	-3	-3	-3.5	-4	-5	-6	-3
-7	-4	-3.5	-3.5	-4.5	-4.5	-5	-6	-3.5
-6	-4	-4	-4	-5	-4.5	-5	-6	-4
-6	-4.5	-4	-4	-5.5	-5	-5	-5.5	-4.5
-6	-4	-4	-4	-5.5	-4.5	-5	-6	-4
-6.5	-4	-4.5	-4.5	-5.5	-4.5	-6.5	-6.5	-4.5
-6.5	-4	-5	-5	-6	-4.5	-5	-7	-4
-7.5	-4.5	-6	-6	-6.5	-5.5	-4.5	-6.5	-5
-7.5	-4	-6	-5.5	-4.5	-8.5	-4	-5	-4.5
-7.5	-4	-6	-4.5	-3	-5.5	-3	-3.5	-5
-6.5	-5	-6.5	-2.5	-3.5	-5.5	-2.5	-3	-5
-6.5	-4.5	-6.5	-2.5	-3.5	-6	-2.5	-3.5	-4.5
-6.5	-3.5	-6.5	-2	-3.5	-6.5	-2.5	-3.5	-4.5
-7	-3	-5	-2.5	-2.5	-7	-2.5	-1.5	-2.5
-7.5	-3	-5.5	-3	-3	-7	-2	-5.5	-3
-8	-2.5	-5.5	-2.5	-3	-7	-3	-2	-2.5
-8.5	-3	-6	-3	-3.5	-8	-3	-2	-2.5
-8.5	-3	-4.5	-3	-3.5	-7	-1	-3	-3
-8	-4	-4	-4	-4.5	-7	-2.5	-3.5	-4.5
-7	-4.5	-5	-5	-3.5	-6	-4	-4.5	-3.5
-7	-4	-4.5	-4.5	-4.5	-5	-4.5	-4	-3.5
-8	-4	-6.5	-3.5	-4	-4.5	-3	-4	-3
-7.5	-4	-5	-3	-3.5	-5	-2.5	-4	-4.5
-8	-3	-3.5	-3	-3	-5.5	-2.5	-3	-4
-8	-3	-3	-3	-3	-6	-2.5	-2	-4
-7	-4.5	-3	-4	-3	-5.5	-4	-4	-4.5
-6.5	-4	-2.5	-4	-3.5	-5.5	-4.5	-5.5	-4.5
-7	-4	-2.5	-3	-4.5	-5.5	-5	-6	-4.5
-7.5	-4.5	-2	-4.5	-4	-5.5	-5.5	-4.5	-4.5

Runup dan Rundown Model Terbuka 15 cm

8.5	11.5	10	5	5	8.5	5	6	4.5
8.5	13	10.5	4.5	6	9	5.5	4.5	3.5
8	12	11	5	6	8.5	5.5	5	5.5
6.5	10.5	9.5	6	6.5	9	5.5	6.5	6
6.5	9.5	6.5	6.5	8.5	11	5.5	7	6
6.5	9	7	6.5	8.5	10.5	4	6.5	4.5
7.5	9.5	6.5	5.5	8	10	4.5	7.5	4
7.5	11	7.5	4.5	7.5	9	6	6.5	6.5
7.5	11.5	9.5	3	6.5	5.5	6	5.5	7
7	10.5	9	4.5	5.5	4.5	7.5	4	5.5
6.5	9.5	5.5	6.5	6	10	6.5	5	3.5
6.5	9.5	7.5	7.5	6.5	11.5	5.5	5	2.5
6.5	9.5	9	6.5	5.5	11	6	3.5	3
6.5	9	10	5.5	7	12	6.5	3.5	4.5
5.5	9	9.5	4	5.5	13	5.5	5.5	5.5
5	7	8.5	5	5	12	3.5	6.5	4.5
4.5	5	4.5	3.5	6	11.5	3.5	6	3.5
5.5	5	3.5	5	6.5	10	3	5	3.5
6	7	7	5.5	8	13	4.5	5.5	4
6	8	9	5.5	7.5	13.5	2.5	6	2.5
5.5	7.5	8.5	7.5	6.5	14	2.5	7	2
4.5	6.5	7	6.5	4.5	12.5	2.5	6.5	3.5
4.5	3.5	5	5.5	8	13.5	4	5.5	2.5
4.5	3	5	6	5.5	3.5	2.5	4	3.5
5.5	4.5	5.5	6.5	3.5	3.5	2.5	5	5.5
5.5	5.5	10	5.5	2.5	5.5	4	6	6
5.5	6	10.5	4.5	4	8.5	5.5	7	4.5
4	4.5	8.5	3.5	5	9	4.5	6	2.5
4.5	5	7.5	4	6.5		3	2.5	4
5.5	4	7.5	5	9		5	4.5	7
6.5	4.5	10.5	5.5	9		6	8.5	4.5
6	6.5	12.5	4	4		3.5	5.5	5
5.5	6.5	11.5	2.5	4.5		4	4.5	5.5

-7.5	-4	-3	-4.5	-5	-9.5	-5.5	-5	-5
-7	-5.5	-3.5	-3.5	-4.5	-6.5	-5.5	-6.5	-5.5
-5.5	-5	-3	-4	-5	-7.5	-5.5	-7	-6
-5.5	-5	-3.5	-4.5	-5	-7.5	-4	-7.5	-6
-5.5	-5.5	-3.5	-3.5	-4.5	-7	-4.5	-5	-6
-6.5	-5.5	-3.5	-4.5	-4.5	-6	-6	-5	-6.5
-6.5	-4	-4	-5	-4	-7	-6	-6.5	-6.5
-6.5	-4	-4	-5.5	-3.5	-7.5	-6	-7.5	-5.5
-6	-3.5	-4.5	-8.5	-4.5	-8.5	-4.5	-7.5	-5
-5.5	-4	-5	-8.5	-5	-8.5	-3.5	-5	-6
-5.5	-4	-4.5	-8.5	-5	-7.5	-3.5	-3.5	-6
-5.5	-4	-5	-7.5	-4.5	-7.5	-3.5	-3.5	-7
-5.5	-5.5	-5	-7.5	-4.5	-7.5	-4.5	-5.5	-8.5
-4.5	-4.5	-5.5	-7.5	-3	-4	-3.5	-6.5	-6
-4	-4.5	-6	-5	-3.5	-8.5	-3.5	-6	-5.5
-3.5	-4.5	-6.5	-3.5	-3	-8.5	-3	-4	-5
-4.5	-5.5	-6	-3.5	-3	-8.5	-4.5	-4	-5.5
-5	-4.5	-6.5	-4	-3.5	-7.5	-2.5	-5.5	-5
-5	-5	-6.5	-4.5	-3	-7.5	-2.5	-3	-6.5
-4.5	-5	-7.5	-4	-4.5	-5	-2.5	-2.5	-7.5
-3.5	-2	-6	-4.5	-4	-4.5	-4	-2.5	-7.5
-3.5	-4	-4	-3.5	-4	-5	-2.5	-2	-7.5
-3.5	-3	-4	-3	-4.5	-5	-2.5	-4.5	-8.5
-4.5	-3	-4.5	-3	-4.5	-5.5	-4	-6.5	-5.5
-4.5	-3	-3.5	-3.5	-3	-5.5	-5.5	-7	-6
-4.5	-3	-3	-3	-4	-5	-4.5	-6	ovt
-3	-3	-3	-5.5	-4.5	Ovt	-3	-2.5	
-3.5	-4.5	-3.5	-4.5	-3.5		-5	-4.5	
-4.5	-4	-3	-4.5	-3		-6	-4	
-5.5	-3	-5.5	-3	-3		-3.5	-5.5	
-5	-3	-4.5	-3	-3.5		-4	-4.5	
-4.5	-4	-4.5	-4.5	-3		-4	-6	
-4	-4	-5.5	-4.5	-4.5			-5.5	

Runup dan Rundown Model Terbuka 15 cm

5	5	8.5	4.5	6		4	6	4
5.5	5.5	6.5	8	9.5			5.5	6.5
6.5	5.5	7	7	5			8.5	7
6.5	7	9.5	4	2.5			10.5	
6.5	8	9.5	2.5	3.5			9.5	
6	7.5	9	3	8.5			4.5	
5.5	7	6.5						
6	6.5	5.5						
6.5		7						
7		9.5						
6.5		10						
6.5		7.5						
5.5		3						
		4						

-4.5	-3	-5	-3	-7.5			-5.5	
-5.5	-3.5	-4.5	-6.5	-7			-5.5	
-5.5	-4.5	-5	-4	-7			-5.5	
-5.5	-2.5	-5	-5.5	-5			-4.5	
-5	-5	-6	-5	-4.5				
-4.5	-4	-6		-4.5				
-5	-4	-5						
-5.5		-4.5						
-6		-4						
-5.5		-3						
-5.5		-4						
-4.5		-3						
		-7.5						
		-4.5						