

# DATA DEBIT SEDIMENT MELAYANG

## Cileueur-Bunar

## No. 2-112- 2-26

## Tahun 2022

Induk Sungai : Citanduy  
Data Geografi : 07°20'57"\_\_ 108°17'41"\_\_  
Lokasi : Dari arah Kota Banjar menuju ke Kabupaten Ciamis +/- 15 km, belok kanan di Bojong menuju jurusan Ciparigi +/- 4 km tepatnya pada aboutment jembatan Bunar sebelah kanan hilir

Luas Daerah Pengaliran : 13993 Ha ELEVASI PDA :

### Keterangan mengenai Pos Pengukuran Sedimen Melayang

Didirikan : Tanggal 14-06-1986 oleh Proyek Citanduy  
Periode Pencatatan : Tanggal 01-01-2022 sampai dengan 31-12-2022  
Jenis Alat yang digunakan : Tinggi muka air Manual

Penentuan Besarnya Sedimen : Besarnya aliran angkutan sediment layang ditentukan berdasarkan persamaan ,  $Q_{sed} = 25.61 \cdot (H56)^{0.607}$  menggunakan data pengukuran aliran sediment tahun 2022

Catatan :

Pelaksana : Unit Hidrologi Balai Besar Wilayah Sungai Citanduy

### Tabel Besarnya Debit Sedimen Melayang (ton/hari)

Tanggal	Jan	Peb	Mar	Apr	Mei	Jun	Jul	Ags	Sep	Okt	Nop	Des
1	36.1	49.4	32.8	97.5	45.3	26.9	29.7	18.3	16.2	34.4	41.4	58.2
2	31.3	53.7	34.4	60.6	49.4	22.9	36.1	18.3	16.2	32.8	39.6	84.9
3	26.9	41.4	26.9	53.7	60.6	26.9	36.1	17.2	15.2	26.9	32.8	53.7
4	25.5	43.3	45.3	65.5	45.3	20.5	29.7	17.2	15.2	65.5	37.8	43.3
5	22.9	45.3	45.3	65.5	41.4	18.3	24.2	17.2	14.3	43.3	31.3	122.6
6	34.4	53.7	37.8	47.3	53.7	36.1	45.3	17.2	14.3	37.8	41.4	81.9
7	29.7	39.6	53.7	41.4	63.0	28.3	31.3	16.2	14.3	37.8	36.1	88.0
8	24.2	36.1	34.4	55.9	65.5	20.5	25.5	16.2	18.3	68.1	91.1	63.0
9	31.3	29.7	26.9	41.4	51.5	29.7	22.9	16.2	17.2	47.3	45.3	76.2
10	31.3	91.1	26.9	36.1	41.4	20.5	22.9	28.3	34.4	43.3	175.1	65.5
11	81.9	51.5	26.9	41.4	37.8	18.3	20.5	25.5	43.3	34.4	88.0	49.4
12	39.6	58.2	39.6	37.8	34.4	18.3	20.5	79.0	60.6	28.3	65.5	49.4
13	37.8	79.0	45.3	29.7	45.3	22.9	39.6	32.8	26.9	63.0	60.6	39.6
14	39.6	58.2	45.3	25.5	34.4	19.4	26.9	26.9	24.2	60.6	63.0	39.6
15	37.8	58.2	65.5	25.5	29.7	17.2	49.4	63.0	18.3	47.3	79.0	43.3
16	32.8	53.7	37.8	36.1	26.9	17.2	375.9	39.6	31.3	36.1	53.7	43.3
17	25.5	51.5	28.3	32.8	26.9	18.3	94.3	36.1	26.9	41.4	100.9	45.3
18	31.3	39.6	94.3	51.5	22.9	18.3	47.3	25.5	19.4	32.8	228.9	94.3
19	26.9	37.8	41.4	29.7	21.7	17.2	43.3	28.3	17.2	37.8	118.8	79.0
20	28.3	55.9	31.3	39.6	21.7	84.9	26.9	31.3	22.9	34.4	37.8	45.3
21	24.2	45.3	29.7	76.2	21.7	43.3	25.5	29.7	22.9	37.8	31.3	53.7
22	47.3	51.5	29.7	41.4	41.4	53.7	19.4	25.5	28.3	41.4	68.1	84.9
23	41.4	47.3	49.4	34.4	20.5	43.3	29.7	21.7	34.4	53.7	47.3	63.0
24	39.6	41.4	37.8	36.1	20.5	53.7	36.1	19.4	156.2	84.9	111.4	49.4
25	36.1	41.4	45.3	84.9	94.3	65.5	32.8	18.3	43.3	228.9	104.3	49.4
26	32.8	34.4	100.9	55.9	25.5	79.0	26.9	18.3	32.8	259.5	79.0	51.5
27	31.3	49.4	45.3	63.0	21.7	63.0	22.9	17.2	29.7	138.7	122.6	43.3
28	47.3	37.8	88.0	41.4	49.4	58.2	21.7	17.2	24.2	118.8	122.6	34.4
29	43.3		81.9	58.2	26.9	43.3	19.4	16.2	21.7	88.0	88.0	32.8
30	49.4		53.7	51.5	21.7	34.4	19.4	16.2	20.5	51.5	73.4	26.9
31	70.7		49.4		20.5		18.3	16.2		49.4		25.5
Rata-rata	37	49	46	49	38	35	43	25	29	65	77	57
Jumlah (ton/bln)	1139	1375	1431	1458	1183	1040	1320	786	881	2006	2316	1780
Tebal Erosi (t/bl/m2)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Erosi yg terjadi (m/thn)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Erosi yg terjadi (mm/thn)	0.0136	0.0164	0.0170	0.0174	0.0141	0.0124	0.0157	0.0094	0.0105	0.0239	0.0276	0.0212

### Data Tahunan:

Total Angkutan Sedimen : 16,716 ton/tahun  
Tebal Erosi Permukaan : 0.0001 ton/thn/m2  
Erosi yang terjadi : 0.1991 mm'/thn

### Keterangan:

Berat Jenis sedimen melayang : 0.6 ton/m3