



## Cijolang-Bebedahan

No. 2- 92- 2-21

Tahun 2020

Induk Sungai : Citanduy  
Data Geografi : 7°19'35.53" 108°33'31.77  
Lokasi : Prop. Jawa Barat, Kab.Ciamis, kec. Cisaga ds. Bangunharja, kmp. Bebedahan  
Dari Bandung ke jurusan Banjar sampai di Cisaga belok kiri ke jurusan  
Bangunharja, sampai di kmp. Bebedahan.

Luas Daerah Pengaliran : 44802,50 Ha ELEVASI PDA :+ M

### Keterangan mengenai Pos Pengukuran Sedimen Melayang

Didirikan : Tanggal 01-01-1996 oleh BBWS Citanduy  
Periode Pencatatan : Tanggal 01-01-2020 sampai dengan 31-12-2020  
Jenis Alat yang digunakan : Tinggi muka air Manual

Penentuan Besarnya Sedimen : Besarnya aliran angkutan sedimen layang ditentukan berdasarkan persamaan,  $Q_{sed} = 64.53 \cdot (H_{56})^{0.457}$   
menggunakan data pengukuran aliran sedimen melayang tahun 2020.

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                         | 684    | 177    | 785    | 351    | 167    | 530    | 85     | 95     | 68     | 300    | 806    | 237    |
| 2                         | 467    | 304    | 623    | 311    | 446    | 212    | 124    | 94     | 67     | 148    | 289    | 605    |
| 3                         | 311    | 216    | 281    | 596    | 250    | 196    | 163    | 94     | 91     | 2270   | 154    | 2102   |
| 4                         | 434    | 601    | 276    | 1497   | 184    | 201    | 132    | 91     | 183    | 1686   | 278    | 498    |
| 5                         | 295    | 350    | 889    | 1329   | 171    | 179    | 130    | 83     | 103    | 542    | 175    | 765    |
| 6                         | 577    | 618    | 304    | 914    | 165    | 256    | 244    | 83     | 100    | 242    | 272    | 485    |
| 7                         | 287    | 298    | 643    | 631    | 140    | 171    | 262    | 83     | 100    | 203    | 399    | 254    |
| 8                         | 341    | 279    | 484    | 1129   | 130    | 205    | 168    | 76     | 82     | 153    | 153    | 165    |
| 9                         | 1216   | 146    | 1571   | 921    | 139    | 201    | 131    | 76     | 81     | 125    | 126    | 143    |
| 10                        | 533    | 141    | 648    | 517    | 126    | 499    | 117    | 76     | 81     | 99     | 257    | 124    |
| 11                        | 312    | 221    | 714    | 437    | 152    | 200    | 112    | 76     | 81     | 170    | 276    | 111    |
| 12                        | 459    | 149    | 842    | 336    | 328    | 125    | 104    | 76     | 92     | 632    | 822    | 246    |
| 13                        | 206    | 209    | 392    | 302    | 170    | 98     | 111    | 76     | 92     | 199    | 378    | 141    |
| 14                        | 322    | 236    | 614    | 353    | 122    | 87     | 178    | 163    | 92     | 211    | 259    | 176    |
| 15                        | 1578   | 149    | 411    | 355    | 112    | 86     | 252    | 167    | 92     | 201    | 341    | 1452   |
| 16                        | 374    | 221    | 522    | 333    | 111    | 113    | 178    | 133    | 78     | 190    | 314    | 618    |
| 17                        | 644    | 517    | 327    | 216    | 92     | 220    | 149    | 102    | 74     | 125    | 305    | 769    |
| 18                        | 411    | 893    | 390    | 398    | 240    | 269    | 135    | 83     | 74     | 110    | 1312   | 648    |
| 19                        | 410    | 617    | 345    | 432    | 167    | 2093   | 130    | 93     | 74     | 314    | 684    | 285    |
| 20                        | 360    | 1252   | 328    | 399    | 257    | 1251   | 125    | 83     | 80     | 229    | 275    | 181    |
| 21                        | 358    | 1153   | 276    | 487    | 302    | 383    | 120    | 82     | 91     | 391    | 545    | 100    |
| 22                        | 408    | 457    | 794    | 314    | 289    | 430    | 116    | 79     | 88     | 169    | 435    | 238    |
| 23                        | 176    | 159    | 390    | 240    | 333    | 433    | 116    | 79     | 91     | 182    | 241    | 202    |
| 24                        | 538    | 779    | 344    | 201    | 244    | 244    | 115    | 75     | 81     | 147    | 273    | 134    |
| 25                        | 373    | 190    | 319    | 172    | 301    | 195    | 111    | 75     | 74     | 141    | 184    | 252    |
| 26                        | 433    | 150    | 356    | 272    | 364    | 151    | 111    | 75     | 77     | 141    | 140    | 186    |
| 27                        | 204    | 175    | 699    | 400    | 277    | 110    | 111    | 116    | 337    | 160    | 152    | 138    |
| 28                        | 549    | 279    | 371    | 356    | 210    | 86     | 111    | 83     | 99     | 187    | 125    | 1445   |
| 29                        | 237    |        | 469    | 323    | 271    | 85     | 102    | 78     | 81     | 167    | 380    | 2656   |
| 30                        | 175    |        | 429    | 215    | 199    | 85     | 102    | 75     | 80     | 141    | 345    | 2186   |
| 31                        | 275    |        | 410    |        | 906    |        | 102    | 75     |        | 170    |        | 1347   |
| Rata-rata                 | 450    | 391    | 524    | 491    | 238    | 313    | 137    | 90     | 96     | 327    | 356    | 609    |
| Jumlah (ton/bln)          | 13949  | 10937  | 16245  | 14737  | 7364   | 9396   | 4248   | 2797   | 2884   | 10143  | 10694  | 18890  |
| 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)  | 0,0001 | 0,0000 | 0,0001 | 0,0001 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0000 | 0,0001 |
| Erosi yg terjadi (mm/thn) | 0,0519 | 0,0407 | 0,0604 | 0,0548 | 0,0274 | 0,0350 | 0,0158 | 0,0104 | 0,0107 | 0,0377 | 0,0398 | 0,0703 |

### Data Tahunan:

Total Angkutan Sedimen : 122282 ton/tahun  
Tebal Erosi Permukaan : 0,0003 ton/thn/m2  
Erosi yang terjadi : 0,4549 mm'/thn

### Keterangan:

Berat Jenis sedimen melayang : 0,6 ton/m3