



KEMENTERIAN PEKERJAAN UMUM DAN PERUMAHAN RAKYAT
DIREKTORAT JENDERAL SUMBER DAYA AIR
BALAI BESAR WILAYAH SUNGAI CITANDUY

Jl. Prof. Dr. Ir. H. Sutami No.1 Telp.(0265) 741051, Fax.(0265)741302 Kota Banjar – Jawa Barat 46300

Penentuan Status Mutu Air Kelas II dengan Metoda Indeks Pencemaran

Sungai : Citanduy
Lokasi Titik Pengamatan : Gunung Cupu
Posisi Geografis - Lintang - Bujur : -7,2999 108,2276
Tanggal : 07 Juli 2020

| No | Parameter | Satuan | C _i | L _{ij} | C _i /L _{ij} | (C _i /L _{ih}) _{baru} |
|---|----------------|--------|----------------|-----------------|---------------------------------|--|
| 1 | Temperatur | °C | 28,40 | + 3 | | |
| 2 | DO | mg/l | 11,30 | 4 | 2,83 | (0,83) |
| 3 | pH | mg/l | 6,10 | 6 - 9 | 0,81 | 0,93 |
| 4 | DHL | umhos | 12,00 | | | |
| 5 | Kekeruhan | mg/l | 15,00 | | | |
| 6 | BOD | mg/l | 4,00 | 3 | 1,33 | 1,62 |
| 7 | COD | mg/l | 18,00 | 25 | 0,72 | 0,72 |
| 8 | TSS | mg/l | 12,00 | 50 | 0,24 | 0,24 |
| 9 | Total Nitrogen | mg/l | | | | |
| 10 | Amoniak | mg/l | | - | | |
| 11 | Nitrit | mg/l | 0,03 | 0,06 | 0,50 | 0,50 |
| 12 | Nitrat | mg/l | 0,08 | 10 | 0,01 | 0,01 |
| 13 | Total Fosfat | mg/l | | 0,2 | - | - |
| 14 | Ortho Fosfat | mg/l | | | | |
| 15 | Deterjen | mg/l | 53,00 | 200 | 0,27 | 0,27 |
| 16 | Minyak Lemak | mg/l | | 1000 | - | - |
| 17 | Phenol | mg/l | | 1 | - | - |
| 18 | Fecal Coliform | mg/l | | 1000 | - | - |
| 19 | Total Coliform | mg/l | | 5000 | - | - |
| 20 | Mercury | mg/l | | 0,002 | - | - |
| 21 | Cadmium | mg/l | 0,004 | 0,01 | 0,40 | 0,40 |
| 22 | Chromium | mg/l | | 0,05 | - | - |
| 23 | Timbal | mg/l | 0,03 | 0,03 | 1,00 | 1,00 |
| 24 | Tembaga | mg/l | 0,02 | 0,02 | 0,80 | 0,80 |
| 25 | Besi | mg/l | 0,20 | | | |
| 26 | Mangan | mg/l | 0,05 | | | |
| 27 | Seng | mg/l | 0,04 | 0,05 | 0,80 | 0,80 |
| 28 | Chlorida | mg/l | | | | |
| 29 | Boron | mg/l | | 1 | - | - |
| 30 | Sulfida | mg/l | 0,04 | 0,002 | 20,00 | 7,51 |
| 31 | Sulfat | mg/l | | | | |
| 32 | Fluorida | mg/l | 0,10 | 1,5 | 0,07 | 0,07 |
| 33 | Selenium | mg/l | | 0,05 | - | - |
| 34 | Sianida | mg/l | | 0,02 | - | - |
| 35 | Arsen | mg/l | | 1 | - | - |
| Maksimum = (C _i /L _{ij}) _M | | | | | | 7,51 |
| Rata-rata = (C _i /L _{ij}) _R | | | | | | 0,56 |
| Nilai Plj | | | | | | : 5,32 |
| Status Mutu Air | | | | | | : Cemar Sedang |