



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

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Penentuan Status Mutu Air Kelas II dengan Metoda Indeks Pencemaran

Sungai : Ciseel
Lokasi Titik Pengamatan : Binangun
Posisi Geografis - Lintang - Bujur : -7.4088 108.5260
Tanggal : 10 Nopember 2020

| No | Parameter | Satuan | C _i | L _{ij} | C _i /L _{ij} | (C _i /L _{ij}) _{baru} |
|---|----------------|--------|----------------|-----------------|---------------------------------|--|
| 1 | Temperatur | °C | 29.10 | + 3 | | |
| 2 | DO | mg/l | 5.60 | 4 | 1.40 | 0.60 |
| 3 | pH | mg/l | 6.00 | 6 - 9 | 0.80 | 1.00 |
| 4 | DHL | umhos | 40.60 | | | |
| 5 | Kekeruhan | mg/l | 38.05 | | | |
| 6 | BOD | mg/l | 2.00 | 3 | 0.67 | 0.67 |
| 7 | COD | mg/l | 9.60 | 25 | 0.38 | 0.38 |
| 8 | TSS | mg/l | 28.00 | 50 | 0.560 | 0.560 |
| 9 | Total Nitrogen | mg/l | | | | |
| 10 | Amoniak | mg/l | | | | |
| 11 | Nitrit | mg/l | | 0.06 | - | - |
| 12 | Nitrat | mg/l | 0.05 | 10 | 0.01 | 0.01 |
| 13 | Total Fosfat | mg/l | | 0.2 | - | - |
| 14 | Ortho Fosfat | mg/l | | | | |
| 15 | Deterjen | mg/l | 25.00 | 200 | 0.13 | 0.13 |
| 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 | 0.08 | | | |
| 26 | Mangan | mg/l | | | | |
| 27 | Seng | mg/l | 0.06 | 0.05 | 1.10 | 1.21 |
| 28 | Chlorida | mg/l | | | | |
| 29 | Boron | mg/l | | 1 | - | - |
| 30 | Sulfida | mg/l | 0.01 | 0.002 | 5.00 | 4.49 |
| 31 | Sulfat | mg/l | | | | |
| 32 | Fluorida | mg/l | 0.20 | 1.5 | 0.13 | 0.13 |
| 33 | Selenium | mg/l | | 0.05 | - | - |
| 34 | Sianida | mg/l | | 0.02 | - | - |
| 35 | Arsen | mg/l | | 1 | - | - |
| Maksimum = (C _i /L _{ij}) _M | | | | | | 4.49 |
| Rata-rata = (C _i /L _{ij}) _R | | | | | | 0.46 |
| Nilai P _{ij} | | | | | : | 3.19 |
| Status Mutu Air | | | | | : | Cemar Ringan |