

Hasil Evaluasi Status Mutu Air Dengan Metode Index Pencemaran

Dihitung Dengan Acuan Standar Klas II

Sungai: Cimuntur

Kode Stasiun: cmt02

Tanggal : 8/21/2011

| Parameter | Hasil Pengukuran | Standar Klas II | Index Pencemaran |
|------------------------------|------------------|-----------------|------------------|
| Temperatur (c) | | | |
| DHL (mhos/Cm) | | | |
| Kekeruhan (NTU) | | | |
| pH | 7.7000 | 6 - 9 | 0.13333 |
| DO (mg/l) | | 4.00000 | 0.34609 |
| COD (mg/l) | 7.6000 | 25.00000 | 0.30400 |
| BOD (mg/l) | | 3.00000 | 0.00000 |
| TSS (mg/l) | 6.0000 | 50.00000 | 0.12000 |
| Nitrat (mg/l) | 0.120000 | 10.00000 | 0.01200 |
| Nitrit (mg/l) | 0.0300 | 0.0600 | 0.50000 |
| Amoniak (mg/l) | 0.0400 | | |
| Total Nitrogen (mg/l) | | | |
| Total Fosfat (mg/l) | 0.005000 | 0.20000 | 0.02500 |
| Ortho Fosfat (mg/l) | | | |
| Deterjen (ug/l) | 10.0000 | 200.00000 | 0.05000 |
| Minyak Lemak (ug/l) | 100.0000 | 1000.00000 | 0.10000 |
| Fenol (ug/l) | 2.0000 | 1.00000 | 2.50515 |
| Fecal Coli (jml/100 ml) | | 1000.00000 | 0.00000 |
| Total Coli (jml/100 ml) | | 5000.00000 | 0.00000 |
| Mercury /Air Raksa (mg/l) | | 0.00200 | 0.00000 |
| Chromium (mg/l) | 0.0020 | 0.05000 | 0.04000 |
| Cadmium (mg/l) | 0.0010 | 0.01000 | 0.10000 |
| Timbal (mg/l) | 0.0050 | 0.03000 | 0.16667 |
| Tembaga (mg/l) | 0.0040 | 0.02000 | 0.20000 |
| Besi (mg/l) | 0.1000 | | |
| Mangan (mg/l) | 0.0100 | | |
| Seng (mg/l) | 0.0100 | 0.05000 | 0.20000 |
| Sulfida (mg/l) | | 0.00200 | 0.00000 |
| Sulfat (mg/l) | 5.3000 | | |
| Clorida (mg/l) | 4.0000 | | |
| Fluorida (mg/l) | 0.0800 | 1.50000 | 0.05333 |
| Sianida (mg/l) | 0.003000 | 0.02000 | 0.15000 |
| Selenium (mg/l) | | 0.05000 | 0.00000 |
| Boron (mg/l) | 0.0500 | 1.00000 | 0.05000 |
| Arsen (mg/l) | | 1.00000 | 0.00000 |
| Total Index Pencemaran | | | 1.7813 |
| Status Mutu Air Cemar Ringan | | | |

Debit (m3/dt): 43.6100