

# Hasil Evaluasi Status Mutu Air Dengan Metode Index Pencemaran

## Dihitung Dengan Acuan Standar Klas II

Sungai: Cimuntur

Kode Stasiun: cmt02

Tanggal : 8/12/2012

| Parameter                           | Hasil Pengukuran | Standar Klas II | Index Pencemaran |
|-------------------------------------|------------------|-----------------|------------------|
| Temperatur (c)                      |                  |                 |                  |
| DHL (mhos/Cm)                       |                  |                 |                  |
| Kekeruhan (NTU)                     |                  |                 |                  |
| pH                                  | 8.2000           | 6 - 9           | 0.46667          |
| DO (mg/l)                           |                  | 4.00000         | 0.34609          |
| COD (mg/l)                          | 7.4000           | 25.00000        | 0.29600          |
| BOD (mg/l)                          |                  | 3.00000         | 0.00000          |
| TSS (mg/l)                          | 18.0000          | 50.00000        | 0.36000          |
| Nitrat (mg/l)                       | 0.030000         | 10.00000        | 0.00300          |
| Nitrit (mg/l)                       | 0.0100           | 0.0600          | 0.16667          |
| Amoniak (mg/l)                      | 0.2700           |                 |                  |
| Total Nitrogen (mg/l)               |                  |                 |                  |
| Total Fosfat (mg/l)                 | 0.220000         | 0.20000         | 1.20696          |
| 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)                        | 6.0000           | 1.00000         | 4.89076          |
| 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)                     | 0.0040           | 0.05000         | 0.08000          |
| Cadmium (mg/l)                      | 0.0010           | 0.01000         | 0.10000          |
| Timbal (mg/l)                       | 0.0100           | 0.03000         | 0.33333          |
| Tembaga (mg/l)                      | 0.0040           | 0.02000         | 0.20000          |
| Besi (mg/l)                         | 0.4700           |                 |                  |
| Mangan (mg/l)                       | 0.0200           |                 |                  |
| Seng (mg/l)                         | 0.0300           | 0.05000         | 0.60000          |
| Sulfida (mg/l)                      |                  | 0.00200         | 0.00000          |
| Sulfat (mg/l)                       | 7.3000           |                 |                  |
| Clorida (mg/l)                      | 4.0000           |                 |                  |
| Fluorida (mg/l)                     | 0.3640           | 1.50000         | 0.24267          |
| Sianida (mg/l)                      | 0.003000         | 0.02000         | 0.15000          |
| Selenium (mg/l)                     |                  | 0.05000         | 0.00000          |
| Boron (mg/l)                        | 0.1100           | 1.00000         | 0.11000          |
| Arsen (mg/l)                        |                  | 1.00000         | 0.00000          |
| Total Index Pencemaran              |                  |                 | <b>3.4769</b>    |
| Status Mutu Air <b>Cemar Ringan</b> |                  |                 |                  |

Debit (m3/dt): 5.2800