

LAMPIRAN 6

LAMPIRAN PERATURAN GUBERNUR DIY NOMOR 20 TAHUN 2008

**PERATURAN GUBERNUR DAERAH ISTIMEWA YOGYAKARTA
NOMOR 20 TAHUN 2008
TANGGAL 14 AGUSTUS 2008
TENTANG
BAKU MUTU AIR DI PROVINSI DAERAH ISTIMEWA YOGYAKARTA**

| Parameter Baku Mutu Air DIY | Satuan | KANDUNGAN | | | | Keterangan |
|-----------------------------|--------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------------------------------------------------------------------------|
| | | Kelas I | Kelas II | Kelas III | Kelas IV | |
| FISIKA | | | | | | |
| Temperatur | °C | ± 3°C Terhadap suhu udara | ± 3°C Terhadap suhu udara | ± 3°C Terhadap suhu udara | ± 3°C Terhadap suhu udara | Deviasi temperatur dari keadaan alamiah |
| Bau | | Tidak berbau | - | - | - | |
| Kekeruhan | NTU | 5 | - | - | - | |
| Warna | TCU | 50 | 100 | - | - | |
| Residu Terlarut (TDS) | mg/L | 1000 | 1000 | 1000 | 2000 | |
| Residu Tersuspensi (TSS) | mg/L | 0 | 50 | 400 | 400 | |
| KIMIA | | | | | | |
| Ph | mg/L | 6 – 8,5 | 6 – 8,5 | 6 - 9 | 5 - 9 | |
| BOD | mg/L | 2 | 3 | 6 | 12 | |
| COD | mg/L | 10 | 25 | 50 | 100 | |
| DO | mg/L | 6 | 5 | 4 | 0 | Angka batas minimum |
| Fosfat | mg/L | 0.2 | 0.2 | 1 | 5 | |
| Nitrat | mg/L | 10 | 10 | 20 | 20 | |
| Amoniak (NH ₃) | mg/L | 0.5 | - | - | - | Bagi perikanan, kandungan amonia bebas untuk ikan yang peka ≤ 0,02 mg/L sebagai NH ₃ |
| Arsen | mg/L | 0.05 | 1 | 1 | 1 | |
| Kobalt | mg/L | 0.2 | 0.2 | 0.2 | 0.2 | |
| Barium | mg/L | 1 | - | - | - | |
| Boron | mg/L | 1 | 1 | 1 | 1 | |
| Selemium | mg/L | 0.01 | 0.05 | 0.05 | 0.05 | |
| Kadmium | mg/L | 0.01 | 0.01 | 0.01 | 0.01 | |
| Krom (VI) | mg/L | 0.05 | 0.05 | 0.05 | 1 | |
| Tembaga | mg/L | 0.02 | 0.02 | 0.02 | 0.2 | Bagi pengolahan air |

| | | | | | | |
|---------------------------------------|------------|-------|-------|-------|---------|--------------------------------------------------------------------------------------|
| | | | | | | minum secara konvensional Cu \leq 1 mg/L |
| Besi | mg/L | 0,3 | - | - | - | Bagi pengolahan air minum secara konvensional Fe \leq 5 mg/L |
| Timbal | mg/L | 0.03 | 0.03 | 0.03 | 1 | Bagi pengolahan air minum secara konvensional Pb \leq 0,1 mg/L |
| Mangan | mg/L | 0.1 | - | - | - | |
| Raksa (Hg) | mg/L | 0.001 | 0.002 | 0.002 | 0.005 | |
| Seng (Zn) | mg/L | 0.05 | 0.05 | 0.05 | 2 | Bagi pengolahan air minum secara konvensional Zn \leq 5 mg/L |
| Klorida (Cl) | mg/L | 600 | 800 | 1000 | 1200 | |
| Sianida | mg/L | 0,02 | 0,02 | 0,02 | - | |
| Flourida | mg/L | 0.5 | 1.5 | 1.5 | - | |
| Nitrit | mg/L | 0.06 | 0.06 | 0.06 | - | Bagi pengolahan air minum secara konvensional NO ₂ -N \leq 1 mg/L |
| Sulfat | mg/L | 400 | - | - | - | |
| Klorin (Cl ₂) | mg/L | 0,03 | 0,03 | 0,03 | - | Bagi ABAM tidak dipersyaratkan |
| Sulfida | mg/L | 0.002 | 0.002 | 0.002 | - | Bagi pengolahan air minum secara konvensional H ₂ S \leq 0,1 mg/L |
| SAR (Sodium Adsorption Ratio*) | mg/L | | | | 10 - 18 | Maksimum 10 untuk tanaman peka maksimum 18 untuk tanaman kurang peka |
| MIKROBIOLOGI | | | | | | |
| Fecal coliform | MPN/100 mL | 100 | 1000 | 2000 | 2000 | Bagi pengolahan air minum secara konvensional Fecal coliform \leq 2000 MPN/100 mL |
| Total coliform | MPN/100 mL | 1000 | 5000 | 10000 | 10000 | Bagi pengolahan air minum secara konvensional Fecal coliform \leq 10000 MPN/100 mL |
| Total coliform (untuk pemandian umum) | MPN/100 mL | | 200 | | | |

| | | | | | | |
|--------------------------------------|------------|-------|-------|-------|-------|--|
| Jumlah kuman kolam renang | Koloni/ mL | | 200 | | | |
| RADIOAKTIFITAS | | | | | | |
| Gross - Alfa | Bq/L | 0.1 | 0.1 | 0.1 | 0.1 | |
| Gross - | Bq/L | 1 | 1 | 1 | 1 | |
| Gross - | Bq/L | 1 | 1 | 1 | 1 | |
| SENYAWA ORGANIK DAN PESTISIDA | | | | | | |
| Minyak/lemak | µg/L | 1000 | 1000 | 1000 | - | |
| Minyak bumi | µg/L | nihil | - | - | - | |
| Deterjen | µg/L | 200 | 200 | 200 | - | |
| Fenol | µg/L | 1 | 1 | 1 | - | |
| BHC | µg/L | nihil | nihil | nihil | nihil | |
| Aldrin/Dieldrin | µg/L | nihil | nihil | nihil | nihil | |
| Chlordane | µg/L | nihil | nihil | nihil | nihil | |
| DDT | µg/L | nihil | nihil | nihil | nihil | |
| Heptachlor dan heptachlor epoxide | µg/L | nihil | nihil | nihil | nihil | |
| Lindane | µg/L | nihil | nihil | nihil | nihil | |
| methoxychlor | µg/L | nihil | nihil | nihil | nihil | |
| Endrin | µg/L | nihil | nihil | nihil | nihil | |
| Toxaphan | µg/L | nihil | nihil | nihil | nihil | |
| Pestisida Total | µg/L | nihil | nihil | nihil | nihil | |

KETERANGAN

| | |
|-----|------------------------|
| (-) | : tidak dipersyaratkan |
| mg | : milligram |
| µg | : mikrogram |
| ml | : mililiter |
| L | : Liter |
| Bq | : Bequerel |