

BAB 4

KESIMPULAN

Dari perancangan dan pengkajian yang telah dilakukan diperoleh kesimpulan sebagai berikut:

1. Permasalahan yang terjadi pada macetnya PLTMH Sewon bersumber pada kurangnya debit andalan. Debit andalan yang tersedia dari IPAL Sewon hanya sebesar $0,0551 \text{ m}^3/\text{det}$ sedangkan perencanaan awal PLTMH Sewon menggunakan debit andalan sebesar $0,3078 \text{ m}^3/\text{det}$.
2. Solusi yang dapat ditempuh untuk memfungsikan kembali PLTMH Sewon adalah dengan merencana ulang PLTMH Sewon sesuai debit yang tersedia ($0,0551 \text{ m}^3/\text{det}$), atau mengusahakan suplesi sehingga debit awal perencanaan PLTMH Sewon ($0,3078 \text{ m}^3/\text{det}$) dapat terpenuhi.
3. Perencanaan ulang PLTMH Sewon berdasarkan debit andalan yang tersedia dari IPAL Sewon memperoleh hasil sebagai berikut:
 - a. dimensi bangunan sadap = $\varnothing 26 \text{ cm}$
 - b. dimensi saluran pembawa = lebar $0,55 \text{ m}$; tinggi $0,3 \text{ m}$
 - c. dimensi bak penenang = lebar $0,55 \text{ m}$; tinggi 1 m ; panjang $1,25 \text{ m}$
 - d. dimensi pipa isap = 17 cm ; tebal $3,1 \text{ mm}$
 - e. daya terbangkit = $1,79 \text{ kW}$ (1790 W)
 - f. jenis turbin = *propeller open flume turbine*
 - g. estimasi biaya renovasi = Rp $83.863.000,00$

4. Perencanaan berdasarkan debit andalan IPAL Sewon ternyata kurang efektif dari segi biaya.
5. Dari survei yang telah dilakukan penambahan suplesi untuk PLTMH Sewon dapat dilakukan, yaitu dengan mengambil debit aliran dari saluran irigasi Pendawa yang disadap dari Sungai Bedog.
6. Perancangan perusahaan suplesi PLTMH Sewon memperoleh hasil sebagai berikut:
 - a. bukaan pintu bangunan sadap harus ditambah setinggi 13 cm,
 - b. tanggul saluran irigasi Pendawa harus ditinggikan sebesar 18,5 cm agar air yang mengalir tidak meluap,
 - c. dibuat suatu saluran pengambilan dari saluran irigasi Pendawa ke saluran pembuangan IPAL Sewon dengan dimensi lebar (b) = 44 cm, tinggi (d) = 30 cm dengan kemiringan saluran (J) = 0,0575 pada lokasi yang telah direncanakan,
 - d. renovasi bangunan sadap PLTMH Sewon dari saluran pembuangan limbah IPAL Sewon sesuai standarisasi yang baik. Bentuk bangunan sadap lingkaran, dengan diameter lingkaran sebesar 60 cm,
 - e. estimasi biaya renovasi sebesar Rp 31.057.00,00
7. Solusi yang paling efektif untuk dapat mengatasi macetnya PLTMH Sewon adalah dengan perancangan penambahan suplesi dari saluran irigasi Pendawa yang disadap dari Sungai Bedog.

DAFTAR PUSTAKA

Hicks, T.G., 1986, *Power Plant Evaluation and Design Reference Guide*, Synthesis Inc, New York.

Anonim, 1983, *Bangunan Tenaga Air*, Biro Penerbit KMTS UGM, Yogyakarta.

Maryono, A., Muth, W., Eisenhauer, N., 2003, *Hidrolika Terapan*, Cetakan Kedua, Penerbit Pradnya Paramita, Jakarta.

Paryatmo, W., 2007, *Turbin Air*, Cetakan Pertama, Penerbit Graha Ilmu, Yogyakarta.

Patty, O.F., 1995, *Tenaga Air*, Cetakan Pertama, Penerbit Erlangga, Jakarta.

Pedoman/Petunjuk Teknik dan Manual Bagian: 2 Irigasi (Standar Perencanaan Irigasi), 2002, *Kriteria Perencanaan 01*, Penerbit Balitbang Departemen Kimpraswil, Jakarta.

Pedoman/Petunjuk Teknik dan Manual Bagian: 2 Irigasi (Standar Perencanaan Irigasi), 2002, *Kriteria Perencanaan 02*, Penerbit Balitbang Departemen Kimpraswil, Jakarta.

Pedoman/Petunjuk Teknik dan Manual Bagian: 2 Irigasi (Standar Perencanaan Irigasi), 2002, *Kriteria Perencanaan 03*, Penerbit Balitbang Departemen Kimpraswil, Jakarta.

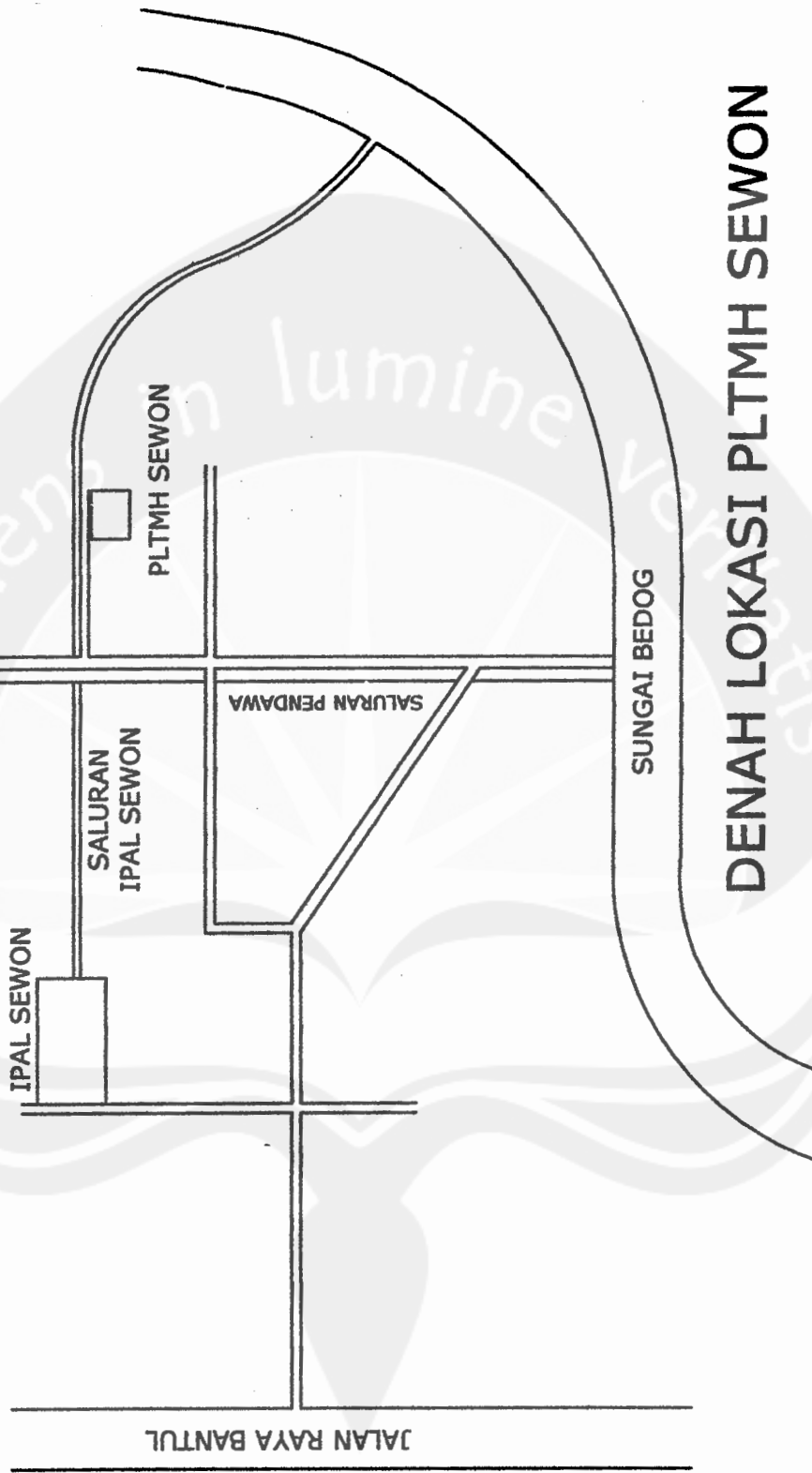
Triatmodjo, B., 1993, *Hidrolika I*, Beta Offset, Yogyakarta.

Triatmodjo, B., 1993, *Hidrolika II*, Beta Offset, Yogyakarta.


Warnick, C.C., 1984, *Hydropower Engineering*, Prentice Hall, New Jersey.



Lampiran 1
Denah lokasi PLTMH Sewon



DENAH LOKASI PLTMH SEWON



serviens in lumine veritatis

Lampiran 2

**Data pengendalian kualitas air IPAL Sewon
bulan Januari 2005 – bulan Juni 2008**

DATA PENGENDALIAN KUALITAS AIR BULAN JANUARI 2005

| Tgl | Debet m3/hari | Total Debet (m3) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (C) | | DO (mg/l) | | Cuaca |
|-----|------------------|---------------------|------------|-----|------------|-----|-----------|-----|------|------|-----------|------|-----------|------|-------|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | |
| 1 | 9.833.3 | 9.833.3 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 2 | 9.448.1 | 19.281.4 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 3 | 8.260.4 | 27.541.8 | 600 | 50 | 200 | 17 | 486 | 23 | 6.80 | 7.80 | 28.8 | 30.0 | 0.50 | 5.00 | cerah |
| 4 | 9.084.3 | 36.626.1 | 540 | 40 | 180 | 15 | 328 | 19 | 6.40 | 7.90 | 28.8 | 30.2 | 0.60 | 6.00 | cerah |
| 5 | 9.309.0 | 45.935.1 | 320 | 40 | 110 | 16 | 109 | 28 | 6.10 | 7.00 | 28.8 | 30.0 | 1.30 | 5.00 | cerah |
| 6 | 7.982.2 | 53.917.3 | 340 | 40 | 110 | 18 | 180 | 32 | 6.65 | 7.63 | 28.0 | 28.5 | 1.20 | 4.80 | cerah |
| 7 | 10.004.5 | 63.921.8 | 540 | 40 | 180 | 18 | 375 | 31 | 6.76 | 7.83 | 29.0 | 28.8 | 0.90 | 4.70 | cerah |
| 8 | 7.564.9 | 71.486.7 | 344 | 40 | 114 | 15 | 126 | 23 | 6.68 | 7.81 | 28.5 | 29.0 | 1.10 | 5.60 | cerah |
| 9 | 9.801.2 | 81.287.9 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 10 | 7.008.5 | 88.296.4 | 540 | 64 | 180 | 18 | 485 | 47 | 6.48 | 7.95 | 29.0 | 30.0 | 0.60 | 6.00 | cerah |
| 11 | 9.565.8 | 97.862.2 | 556 | 62 | 186 | 18 | 520 | 67 | 6.42 | 7.90 | 28.0 | 29.5 | 0.70 | 5.40 | cerah |
| 12 | 9.565.8 | 107.428.0 | 556 | 40 | 185 | 17 | 307 | 40 | 6.61 | 7.96 | 28.5 | 30.0 | 0.20 | 5.90 | cerah |
| 13 | 9.351.8 | 116.779.8 | 540 | 46 | 180 | 15 | 331 | 42 | 6.67 | 7.94 | 28.0 | 30.0 | 0.40 | 6.40 | cerah |
| 14 | 8.945.2 | 125.725.0 | 510 | 60 | 170 | 16 | 290 | 37 | 6.44 | 7.81 | 29.0 | 30.0 | 0.90 | 5.20 | cerah |
| 15 | 7.062.0 | 132.787.0 | 540 | 40 | 170 | 15 | 293 | 18 | 6.52 | 7.78 | 29.0 | 30.0 | 0.80 | 6.60 | cerah |
| 16 | 11.395.5 | 144.182.5 | - | - | - | - | - | - | - | - | - | - | - | - | hujan |
| 17 | 7.693.3 | 151.875.8 | 628 | 40 | 300 | 15 | 793 | 22 | 6.18 | 7.78 | 28.0 | 28.8 | 0.0 | 6.70 | cerah |
| 18 | 12.337.1 | 164.212.9 | 540 | 60 | 180 | 16 | 426 | 18 | 6.41 | 7.66 | 28.0 | 28.5 | 0.70 | 6.00 | hujan |
| 19 | 10.239.9 | 174.452.8 | 528 | 78 | 180 | 23 | 469 | 21 | 6.44 | 7.22 | 27.0 | 28.0 | 0.50 | 3.00 | hujan |
| 20 | 12.337.1 | 186.789.9 | 392 | 46 | 120 | 16 | 160 | 37 | 6.42 | 7.27 | 27.0 | 28.0 | 1.20 | 5.00 | cerah |
| 21 | 15.129.8 | 201.919.7 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 22 | 12.968.4 | 214.888.1 | 472 | 68 | 155 | 20 | 145 | 31 | 6.20 | 7.46 | 28.0 | 29.0 | 0.90 | 4.20 | cerah |
| 23 | 13.257.3 | 228.145.4 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 24 | 10.710.7 | 238.856.1 | 392 | 48 | 125 | 17 | 129 | 16 | 6.54 | 7.65 | 28.5 | 29.0 | 1.30 | 5.00 | cerah |
| 25 | 9.662.1 | 248.518.2 | 330 | 68 | 110 | 22 | 146 | 18 | 6.54 | 7.34 | 28.0 | 29.0 | 1.40 | 4.10 | cerah |
| 26 | 11.684.4 | 260.202.6 | 300 | 60 | 100 | 20 | 101 | 28 | 6.69 | 7.42 | 28.0 | 29.0 | 1.40 | 4.60 | cerah |
| 27 | 10.469.6 | 270.672.2 | 520 | 70 | 170 | 23 | 367 | 35 | 6.64 | 7.46 | 28.0 | 29.5 | 0.80 | 3.70 | cerah |
| 28 | 6.377.2 | 277.049.4 | 544 | 74 | 220 | 18 | 405 | 42 | 6.61 | 7.53 | 28.0 | 29.0 | 0.0 | 5.20 | cerah |
| 29 | 12.379.9 | 289.429.3 | 390 | 60 | 130 | 20 | 269 | 22 | 6.80 | 7.64 | 28.0 | 29.0 | 1.00 | 4.00 | cerah |
| 30 | 8.324.6 | 297.753.9 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 31 | 9.127.1 | 306.881.0 | 480 | 78 | 160 | 21 | 164 | 23 | 6.81 | 7.64 | 27.0 | 28.0 | 0.80 | 4.10 | hujan |

NOTE :

Volume air masuk :

Min 6.377.2 m3/hari
 Max 15.129.8 m3/hari
 Rata-rata 9.899.4 m3/hari
 Total 306.881.0 m3/bl

BOD Inlet :

Min 100 mg/l
 Max 300 mg/l
 Rata-rata 163.1 mg/l

BOD Outlet :

Min 15.0 mg/l
 Max 32.0 mg/l
 Rata-rata 17.9 mg/l

Mengetahui :

Kepala Unit IPAL

Ir. Anton Haryono, MT.
 NIP. 490 027 456

DATA PENGENDALIAN KUALITAS AIR BULAN FEBRUARI 2005

| Tgl | Debet m3/hari | Total Debet (m3) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (C) | | DO (mg/l) | | Cuaca |
|-----|------------------|---------------------|------------|-----|------------|-----|-----------|-----|-----|-----|-----------|------|-----------|-----|-------|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | |
| 1 | 11,095.9 | 11,095.9 | 340 | 64 | 110 | 22 | 278 | 32 | 6.8 | 7.8 | 29.5 | 29.0 | 1.2 | 4.7 | cerah |
| 2 | 7,960.8 | 19,056.7 | 276 | 64 | 100 | 21 | 204 | 26 | 6.9 | 8.0 | 29.0 | 28.5 | 1.2 | 4.6 | cerah |
| 3 | 13,054.0 | 32,110.7 | 356 | 62 | 120 | 20 | 264 | 21 | 6.7 | 8.7 | 29.0 | 30.0 | 1.1 | 5.0 | cerah |
| 4 | 11,095.9 | 43,206.6 | 324 | 40 | 100 | 16 | 237 | 20 | 7.1 | 8.4 | 29.0 | 29.5 | 1.7 | 5.2 | cerah |
| 5 | 7,532.8 | 50,739.4 | 340 | 40 | 100 | 15 | 103 | 19 | 6.6 | 8.1 | 29.0 | 30.0 | 1.9 | 6.0 | cerah |
| 6 | 9,897.5 | 60,636.9 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 7 | 11,930.5 | 72,567.4 | 352 | 70 | 100 | 24 | 136 | 40 | 7.1 | 8.9 | 29.0 | 30.0 | 2.1 | 4.2 | cerah |
| 8 | 6,227.4 | 78,794.8 | 354 | 54 | 118 | 20 | 272 | 21 | 7.9 | 7.9 | 29.0 | 31.0 | 1.0 | 5.3 | cerah |
| 9 | 12,080.3 | 90,875.1 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 10 | 9,490.9 | 100,366.0 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 11 | 7832.3 | 108,198.3 | 312 | 60 | 110 | 20 | 167 | 22 | 6.6 | 8.0 | 29.0 | 29.0 | 1.2 | 5.0 | cerah |
| 12 | 11,149.4 | 119,347.7 | 448 | 54 | 180 | 18 | 349 | 25 | 6.6 | 7.6 | 28.5 | 29.0 | 0.5 | 5.0 | cerah |
| 13 | 12,069.6 | 131,417.3 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 14 | 8,954.2 | 140,371.5 | 540 | 64 | 180 | 21 | 431 | 30 | 6.3 | 7.1 | 29.0 | 29.2 | 0.5 | 4.0 | cerah |
| 15 | 12,775.8 | 153,147.3 | 560 | 60 | 180 | 20 | 286 | 28 | 6.8 | 8.1 | 29.8 | 29.8 | 0.5 | 4.5 | cerah |
| 16 | 9,608.6 | 162,755.9 | 480 | 60 | 160 | 20 | 218 | 32 | 6.2 | 7.9 | 29.0 | 29.8 | 0.7 | 5.0 | cerah |
| 17 | 7,500.7 | 170,256.6 | 520 | 62 | 170 | 20 | 232 | 28 | 6.0 | 7.8 | 29.0 | 30.0 | 0.6 | 5.0 | cerah |
| 18 | 13,910.0 | 184,166.6 | 530 | 58 | 175 | 19 | 253 | 20 | 6.2 | 8.2 | 30.0 | 30.0 | 0.5 | 5.2 | cerah |
| 19 | 10,807.0 | 194,973.6 | 460 | 54 | 155 | 18 | 238 | 27 | 6.8 | 7.8 | 29.0 | 30.0 | 0.7 | 5.2 | cerah |
| 20 | 8,656.3 | 203,629.9 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 21 | 16,777.6 | 220,407.5 | 320 | 60 | 105 | 20 | 121 | 31 | 6.7 | 7.6 | 28.0 | 29.0 | 1.0 | 5.0 | cerah |
| 22 | 13,589.0 | 233,996.5 | 300 | 60 | 100 | 20 | 206 | 35 | 6.5 | 7.8 | 29.0 | 29.0 | 1.0 | 4.5 | cerah |
| 23 | 11,780.7 | 245,777.2 | 520 | 58 | 175 | 18 | 310 | 22 | 6.8 | 8.0 | 28.0 | 29.0 | 0.8 | 5.2 | cerah |
| 24 | 15,151.2 | 260,928.4 | 600 | 58 | 200 | 20 | 432 | 28 | 6.6 | 7.4 | 28.0 | 29.0 | 0.5 | 5.0 | cerah |
| 25 | 13,546.2 | 274,474.6 | 380 | 60 | 140 | 20 | 234 | 20 | 6.3 | 7.3 | 28.8 | 29.8 | 0.8 | 4.6 | cerah |
| 26 | 10,389.7 | 284,864.3 | 540 | 66 | 180 | 22 | 367 | 42 | 6.5 | 8.0 | 28.0 | 29.0 | 0.5 | 4.3 | cerah |
| 27 | 14,295.2 | 299,159.5 | - | - | - | - | - | - | - | - | - | - | - | - | cerah |
| 28 | 17,911.8 | 317,071.3 | 450 | 60 | 150 | 20 | 251 | 33 | 6.1 | 8.3 | 29.0 | 30.0 | 0.8 | 5.0 | cerah |

NOTE :

Volume air masuk :

Min 6.227.4 m3/hari
 Max 17.911.8 m3/hari
 Rata-rata 11.324.0 m3/hari
 Total 317.071.3 m3/bl

BOD Inlet :

Min 100 mg/l
 Max 200 mg/l
 Rata-rata 141.3 mg/l

BOD Outlet :

Min 15.0 mg/l
 Max 24.0 mg/l
 Rata-rata 19.7 mg/l

Mengetahui :
 Kepala Unit IPAL



Ir. Anton Haryono, MT. S
 NIP. 490 027 456

DATA PENGENDALIAN KUALITAS AIR BULAN MARET 2005

| Tgl | Debet m3/hari | Total Debet (m3) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (C) | | DO (mg/l) | | Cuaca |
|-----|------------------|---------------------|------------|-----|------------|-----|-----------|-----|-----|-----|----------|------|-----------|-----|-------|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | |
| 1 | 12,989.8 | 12,989.8 | 380 | 50 | 125 | 17 | 197 | 26 | 6.0 | 7.6 | 28.5 | 30.0 | 1.00 | 5.0 | Cerah |
| 2 | 16,007.2 | 28,997.0 | 560 | 54 | 185 | 18 | 302 | 29 | 6.3 | 7.4 | 28.5 | 29.0 | 0.50 | 4.5 | Cerah |
| 3 | 13,310.8 | 42,307.8 | 480 | 60 | 160 | 20 | 216 | 32 | 6.5 | 7.0 | 28.4 | 29.4 | 0.75 | 4.0 | Cerah |
| 4 | 10,593.0 | 52,900.8 | 480 | 60 | 160 | 20 | 232 | 33 | 6.5 | 7.8 | 28.0 | 29.8 | 0.80 | 4.0 | Cerah |
| 5 | 13,792.3 | 66,693.1 | 540 | 58 | 180 | 19 | 228 | 29 | 6.2 | 7.4 | 28.0 | 30.0 | 0.50 | 4.5 | Cerah |
| 6 | 12,893.5 | 79,586.6 | - | - | - | - | - | - | - | - | - | - | - | - | Cerah |
| 7 | 11,256.4 | 90,843.0 | 580 | 60 | 190 | 20 | 380 | 35 | 6.5 | 8.0 | 28.0 | 30.0 | 0.50 | 4.0 | Cerah |
| 8 | 11,074.5 | 101,917.5 | 540 | 66 | 180 | 22 | 328 | 37 | 6.5 | 7.7 | 28.2 | 29.0 | 0.75 | 3.6 | Cerah |
| 9 | 12,144.5 | 114,062.0 | 480 | 58 | 160 | 19 | 328 | 30 | 6.8 | 7.4 | 28.0 | 29.0 | 0.80 | 4.0 | Cerah |
| 10 | 9,682.1 | 123,724.1 | 380 | 50 | 130 | 17 | 285 | 28 | 7.0 | 7.4 | 28.0 | 29.0 | 1.00 | 5.0 | Cerah |
| 11 | 11,481.1 | 135,205.2 | - | - | - | - | - | - | - | - | - | - | - | - | Cerah |
| 12 | 11,042.4 | 146,247.6 | 530 | 60 | 175 | 20 | 331 | 33 | 6.7 | 7.8 | 28.0 | 30.0 | 0.75 | 4.0 | Cerah |
| 13 | 8,659.6 | 155,107.2 | - | - | - | - | - | - | - | - | - | - | - | - | Cerah |
| 14 | 14,006.3 | 169,113.5 | 570 | 66 | 190 | 22 | 402 | 40 | 6.3 | 8.1 | 28.3 | 30.0 | 0.50 | 4.0 | Cerah |
| 15 | 9,918.9 | 179,032.4 | 560 | 60 | 185 | 20 | 373 | 37 | 6.5 | 7.6 | 28.6 | 30.0 | 0.75 | 4.5 | Cerah |
| 16 | 10,079.4 | 189,111.8 | 540 | 70 | 180 | 23 | 368 | 41 | 6.5 | 7.4 | 28.0 | 29.0 | 0.75 | 4.0 | Cerah |
| 17 | 12,390.6 | 201,502.4 | 420 | 60 | 140 | 20 | 312 | 36 | 6.5 | 7.6 | 28.0 | 29.0 | 0.80 | 4.4 | Cerah |
| 18 | 10,411.1 | 211,913.5 | 320 | 64 | 120 | 21 | 237 | 39 | 6.7 | 8.0 | 28.2 | 30.1 | 1.00 | 4.2 | Cerah |
| 19 | 11,620.2 | 223,533.7 | 450 | 68 | 150 | 23 | 346 | 42 | 6.8 | 7.8 | 28.6 | 30.0 | 0.80 | 4.0 | Cerah |
| 20 | 8,613.5 | 232,147.2 | - | - | - | - | - | - | - | - | - | - | - | - | Cerah |
| 21 | 10,689.3 | 242,836.5 | 380 | 50 | 120 | 17 | 214 | 26 | 7.0 | 8.1 | 28.6 | 29.6 | 1.00 | 5.0 | Cerah |
| 22 | 9,437.4 | 252,273.9 | 480 | 60 | 180 | 20 | 288 | 29 | 6.8 | 7.8 | 28.9 | 29.8 | 0.75 | 4.5 | Cerah |
| 23 | 11,149.4 | 263,423.3 | 500 | 62 | 165 | 21 | 276 | 34 | 6.8 | 7.6 | 29.0 | 30.0 | 0.75 | 4.2 | Cerah |
| 24 | 11,556.0 | 274,979.3 | 500 | 72 | 185 | 24 | 392 | 42 | 6.7 | 8.8 | 28.2 | 30.0 | 0.50 | 3.6 | Cerah |
| 25 | 10,528.8 | 285,508.1 | - | - | - | - | - | - | - | - | - | - | - | - | Cerah |
| 26 | 8,067.8 | 293,575.9 | 530 | 66 | 175 | 20 | 375 | 43 | 6.3 | 7.3 | 28.0 | 29.0 | 0.75 | 4.4 | Cerah |
| 27 | 15,793.2 | 309,369.1 | - | - | - | - | - | - | - | - | - | - | - | - | Cerah |
| 28 | 9,458.8 | 318,827.9 | 360 | 50 | 120 | 18 | 200 | 29 | 6.4 | 8.0 | 28.5 | 30.0 | 1.00 | 5.0 | Cerah |
| 29 | 7,383.0 | 326,210.9 | 600 | 66 | 200 | 21 | 514 | 34 | 6.4 | 8.8 | 28.5 | 30.0 | 0.50 | 4.5 | Cerah |
| 30 | 12,604.6 | 338,815.5 | 320 | 54 | 190 | 18 | 423 | 31 | 6.4 | 7.0 | 28.0 | 29.2 | 0.75 | 5.0 | Cerah |
| 31 | 13,128.9 | 351,944.4 | 600 | 60 | 200 | 20 | 412 | 36 | 6.4 | 7.6 | 28.5 | 30.0 | 0.15 | 4.5 | Cerah |

NOTE :

Volume air masuk :
 Min 7,383.0 m3/hari
 Max 16,007.2 m3/hari
 Rata-rata 11,353.0 m3/hari
 Total 351,944.4 m3/bl

BOD Inlet :
 Min 120.0 mg/l
 Max 200.0 mg/l
 Rata-rata 165.0 mg/l

BOD Outlet :
 Min 17.0 mg/l
 Max 24.0 mg/l
 Rata-rata 20.0 mg/l

Mengetahui :
 Kepala Unit IPAL

Ir. Anton Haryono, MT. S
 NIP. 490 027 456

DATA PENGENDALIAN KUALITAS AIR BULAN APRIL 2005

| Tgl | Debet m3/hari | Total Debet (m3) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (C) | | DO (mg/l) | |
|-----|------------------|---------------------|------------|-----|------------|-----|-----------|-----|-----|-----|----------|------|-----------|-----|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 | 13.396.4 | 12,989.8 | 450 | 54 | 150 | 18 | 346 | 32 | 6.6 | 7.5 | 28.4 | 29.0 | 0.80 | 5.0 |
| 2 | 12.572.5 | 25,968.9 | 420 | 60 | 140 | 20 | 281 | 39 | 7.0 | 7.8 | 28.2 | 29.4 | 1.00 | 4.8 |
| 3 | 12.198.0 | 38,166.9 | - | - | - | - | - | - | - | - | - | - | - | - |
| 4 | 11,202.9 | 49,369.8 | 480 | 68 | 160 | 23 | 350 | 43 | 6.5 | 8.0 | 28.0 | 30.0 | 0.75 | 4.2 |
| 5 | 13,589.0 | 62,958.8 | 600 | 60 | 200 | 20 | 402 | 40 | 6.2 | 7.6 | 28.2 | 29.0 | 0.50 | 4.8 |
| 6 | 13,118.2 | 76,077.0 | 380 | 60 | 125 | 20 | 209 | 37 | 7.0 | 7.6 | 28.0 | 29.2 | 1.20 | 4.4 |
| 7 | 11,620.2 | 87,697.2 | 570 | 64 | 190 | 21 | 346 | 40 | 6.6 | 7.5 | 28.0 | 30.0 | 0.50 | 4.5 |
| 8 | 14,766.0 | 102,463.2 | 670 | 66 | 180 | 22 | 325 | 38 | 6.4 | 8.1 | 28.5 | 30.0 | 0.75 | 4.2 |
| 9 | 10,625.1 | 113,088.3 | 480 | 54 | 160 | 18 | 224 | 35 | 6.4 | 7.6 | 28.0 | 29.8 | 0.75 | 5.0 |
| 10 | 19,441.9 | 132,530.2 | - | - | - | - | - | - | - | - | - | - | - | - |
| 11 | 12,561.8 | 145,092.0 | 600 | 58 | 200 | 19 | 410 | 37 | 6.3 | 7.4 | 28.2 | 29.0 | 0.50 | 5.0 |
| 12 | 10,325.5 | 155,417.5 | 570 | 54 | 190 | 18 | 387 | 32 | 6.3 | 7.5 | 28.0 | 29.6 | 0.50 | 5.0 |
| 13 | 14,198.9 | 169,616.4 | 380 | 66 | 125 | 22 | 207 | 45 | 6.5 | 7.8 | 28.0 | 30.0 | 1.20 | 4.4 |
| 14 | 13,728.1 | 183,344.5 | 420 | 66 | 140 | 22 | 235 | 46 | 6.6 | 8.0 | 28.2 | 30.2 | 0.80 | 4.5 |
| 15 | 11,021.0 | 194,365.5 | 360 | 66 | 120 | 22 | 195 | 42 | 7.0 | 7.6 | 28.0 | 29.8 | 1.20 | 4.4 |
| 16 | 8,816.8 | 203,182.3 | 420 | 66 | 140 | 22 | 236 | 39 | 6.4 | 7.3 | 28.0 | 30.0 | 0.80 | 4.5 |
| 17 | 10,785.6 | 213,967.9 | - | - | - | - | - | - | - | - | - | - | - | - |
| 18 | 11,021.0 | 224,988.9 | 540 | 70 | 180 | 23 | 326 | 47 | 6.3 | 8.0 | 28.0 | 30.0 | 0.50 | 4.2 |
| 19 | 9,383.9 | 234,372.8 | 530 | 66 | 175 | 22 | 318 | 43 | 6.2 | 8.2 | 28.0 | 30.0 | 0.50 | 4.4 |
| 20 | 13,150.3 | 247,523.1 | 400 | 54 | 135 | 18 | 223 | 33 | 6.8 | 7.6 | 28.0 | 29.2 | 1.00 | 5.0 |
| 21 | 8,196.2 | 255,719.3 | 450 | 64 | 150 | 21 | 304 | 46 | 6.6 | 7.6 | 28.0 | 29.5 | 0.80 | 4.5 |
| 22 | 13,118.2 | 268,837.5 | - | - | - | - | - | - | - | - | - | - | - | - |
| 23 | 10,004.5 | 278,842.0 | 420 | 60 | 140 | 20 | 263 | 42 | 6.8 | 8.0 | 28.4 | 30.0 | 1.00 | 4.6 |
| 24 | 10,239.9 | 289,081.9 | - | - | - | - | - | - | - | - | - | - | - | - |
| 25 | 11,342.0 | 300,423.9 | 480 | 54 | 160 | 18 | 282 | 36 | 6.8 | 7.2 | 28.5 | 30.0 | 0.75 | 5.0 |
| 26 | 11,481.1 | 311,905.0 | 304 | 80 | 102 | 23 | 215 | 39 | 6.4 | 8.2 | 28.0 | 30.0 | 1.40 | 4.4 |
| 27 | 12,262.2 | 324,167.2 | 340 | 56 | 120 | 19 | 229 | 25 | 6.6 | 7.0 | 28.0 | 31.0 | 1.10 | 5.4 |
| 28 | 9,651.4 | 333,818.6 | 360 | 58 | 125 | 20 | 321 | 45 | 6.8 | 8.1 | 28.2 | 30.2 | 0.80 | 4.8 |
| 29 | 10,282.7 | 344,101.3 | 240 | 60 | 80 | 20 | 144 | 48 | 6.8 | 7.7 | 28.8 | 30.0 | 1.70 | 4.8 |
| 30 | 11,588.1 | 355,689.4 | 328 | 60 | 110 | 20 | 187 | 45 | 6.3 | 7.6 | 28.2 | 30.0 | 1.50 | 4.6 |

NOTE :

Volume air masuk :
 Min 8,196.2 m3/hari
 Max 19,441.9 m3/hari
 Rata-rata 11,856.3 m3/hari
 Total 355,689.4 m3/bl

BOD Inlet :

Min 80.0 mg/l
 Max 200.0 mg/l
 Rata-rata 147.9 mg/l

BOD Outlet :

Min 18.0 mg/l
 Max 23.0 mg/l
 Rata-rata 20.4 mg/l

Mengetahui :
 Kepala Unit IPAL

Ir. Anton Haryono, MT.
 NIP. 490 027 456

DATA PENGENDALIAN KUALITAS AIR BULAN MEI 2005

| Tgl | Debet m3/hari | Total Debet (m3) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (C) | | DO (mg/l) | |
|-----|------------------|---------------------|------------|-----|------------|-----|-----------|-----|-----|-----|----------|------|-----------|-----|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 | 7,575.6 | 7,575.6 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 | 8,463.7 | 16,039.3 | 332 | 48 | 115 | 18 | 177 | 20 | 6.8 | 7.4 | 29.2 | 31.0 | 1.40 | 5.4 |
| 3 | 8,945.2 | 24,984.5 | 328 | 60 | 120 | 21 | 159 | 34 | 6.3 | 8.1 | 28.8 | 29.0 | 1.30 | 4.5 |
| 4 | 7,853.8 | 32,838.3 | 360 | 58 | 120 | 20 | 176 | 34 | 6.7 | 7.4 | 28.0 | 30.0 | 1.40 | 4.7 |
| 5 | 8,420.9 | 41,259.2 | - | - | - | - | - | - | - | - | - | - | - | - |
| 6 | 6,997.8 | 48,257.0 | 500 | 40 | 175 | 16 | 323 | 25 | 6.1 | 7.3 | 28.8 | 30.0 | 0.60 | 5.5 |
| 7 | 7,714.7 | 55,971.7 | 360 | 48 | 120 | 16 | 104 | 23 | 7.0 | 8.0 | 29.0 | 31.0 | 1.35 | 5.4 |
| 8 | 10,550.2 | 66,521.9 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9 | 7,019.2 | 73,541.1 | 700 | 68 | 250 | 22 | 461 | 47 | 6.5 | 8.0 | 29.1 | 30.0 | 0.0 | 4.4 |
| 10 | 6,858.7 | 80,399.8 | 600 | 66 | 200 | 22 | 403 | 45 | 6.4 | 8.0 | 28.8 | 30.0 | 0.50 | 4.5 |
| 11 | 8,442.3 | 88,842.1 | 420 | 58 | 140 | 18 | 285 | 38 | 6.6 | 7.4 | 29.0 | 31.0 | 1.00 | 5.0 |
| 12 | 8,271.1 | 97,113.2 | 510 | 54 | 170 | 18 | 319 | 39 | 6.8 | 8.1 | 28.5 | 30.0 | 0.80 | 5.0 |
| 13 | 8,410.2 | 105,523.4 | 630 | 62 | 210 | 21 | 392 | 34 | 7.0 | 7.6 | 29.0 | 30.5 | 0.50 | 4.5 |
| 14 | 6,955.0 | 112,478.4 | 660 | 70 | 220 | 23 | 427 | 37 | 6.3 | 7.8 | 29.0 | 30.4 | 0.50 | 4.2 |
| 15 | 8,228.3 | 120,706.7 | - | - | - | - | - | - | - | - | - | - | - | - |
| 16 | 7,468.6 | 128,175.3 | 580 | 66 | 190 | 22 | 418 | 50 | 6.5 | 8.0 | 29.2 | 30.4 | 0.50 | 4.5 |
| 17 | 7,447.2 | 135,622.5 | 550 | 60 | 185 | 19 | 383 | 31 | 7.0 | 8.0 | 29.1 | 30.0 | 0.75 | 5.0 |
| 18 | 7,811.0 | 143,433.5 | 600 | 54 | 200 | 18 | 451 | 38 | 6.2 | 7.6 | 29.0 | 30.0 | 0.50 | 5.0 |
| 19 | 7,126.2 | 150,559.7 | 570 | 69 | 190 | 23 | 392 | 47 | 6.4 | 7.3 | 28.4 | 29.6 | 0.50 | 4.2 |
| 20 | 9,715.6 | 160,275.3 | 630 | 66 | 210 | 22 | 474 | 40 | 6.5 | 7.4 | 28.8 | 29.6 | 0.50 | 4.5 |
| 21 | 8,709.8 | 168,985.1 | 550 | 64 | 185 | 22 | 289 | 43 | 6.8 | 7.7 | 28.4 | 29.8 | 0.75 | 4.2 |
| 22 | 6,345.1 | 175,330.2 | - | - | - | - | - | - | - | - | - | - | - | - |
| 23 | 6,708.9 | 182,039.1 | 600 | 70 | 200 | 21 | 473 | 40 | 6.6 | 7.3 | 28.4 | 29.8 | 0.50 | 4.4 |
| 24 | 9,704.9 | 191,744.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 25 | 6,387.9 | 198,131.9 | 500 | 68 | 190 | 22 | 382 | 41 | 6.4 | 7.4 | 28.0 | 29.0 | 0.60 | 4.0 |
| 26 | 7,169.0 | 205,300.9 | 530 | 68 | 175 | 23 | 273 | 40 | 7.0 | 8.0 | 28.2 | 29.0 | 0.80 | 4.0 |
| 27 | 9,608.6 | 214,909.5 | 510 | 66 | 170 | 22 | 324 | 41 | 6.6 | 8.0 | 28.5 | 29.0 | 0.75 | 4.0 |
| 28 | 9,255.5 | 224,165.0 | 600 | 66 | 200 | 22 | 408 | 38 | 6.4 | 7.4 | 28.0 | 29.0 | 0.50 | 4.0 |
| 29 | 9,555.1 | 233,720.1 | - | - | - | - | - | - | - | - | - | - | - | - |
| 30 | 9,897.5 | 243,617.6 | 510 | 70 | 170 | 23 | 346 | 40 | 6.8 | 7.8 | 28.4 | 29.0 | 0.75 | 4.0 |
| 31 | 9,405.3 | 253,022.9 | 560 | 75 | 186 | 24 | 315 | 62 | 6.5 | 8.0 | 28.5 | 29.0 | 0.60 | 3.5 |

NOTE :

Volume air masuk :

| | | |
|-----------|-----------|---------|
| Min | 6,345.1 | m3/hari |
| Max | 10,550.2 | m3/hari |
| Rata-rata | 8,162.0 | m3/hari |
| Total | 253,022.9 | m3/bl |

BOD Inlet :

| | | |
|-----------|-------|------|
| Min | 115.0 | mg/l |
| Max | 250.0 | mg/l |
| Rata-rata | 178.8 | mg/l |

BOD Outlet :

| | | |
|-----------|------|------|
| Min | 16.0 | mg/l |
| Max | 24.0 | mg/l |
| Rata-rata | 20.7 | mg/l |

Mengetahui :
Kepala Unit IPAL

Ir. Anton Haryono, MT.
NIP. 490 027 456

DATA PENGENDALIAN KUALITAS AIR BULAN JUNI 2005

| Tgl | Debet m3/hari | Total Debet (m3) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (C) | | DO (mg/l) | | |
|-----|------------------|---------------------|------------|-----|------------|-----|-----------|-----|-----|-----|----------|------|-----------|-----|---|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | |
| 1 | 5.050.4 | 5.050.4 | 460 | 54 | 160 | 18 | 287 | 39 | 6.4 | 7.6 | 28 | 29.0 | 0.80 | 4.4 | |
| 2 | 5.168.1 | 10.218.5 | 550 | 60 | 185 | 20 | 364 | 41 | 6.5 | 7.8 | 28 | 29.0 | 0.50 | 4.0 | |
| 3 | 5.243.0 | 15.461.5 | 560 | 54 | 190 | 18 | 392 | 37 | 6.4 | 8.1 | 28 | 29.0 | 0.50 | 4.5 | |
| 4 | 5.082.5 | 20.544.0 | 500 | 50 | 170 | 17 | 301 | 32 | 6.3 | 8.0 | 28 | 29.0 | 0.75 | 5.0 | |
| 5 | 5.350.0 | 25.894.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 6 | 5.949.2 | 31.843.2 | 600 | 48 | 200 | 15 | 458 | 30 | 6.5 | 7.3 | 28 | 29.0 | 0.50 | 5.0 | |
| 7 | 5.071.8 | 36.915.0 | 550 | 54 | 185 | 18 | 332 | 41 | 6.2 | 7.5 | 28 | 29.0 | 0.50 | 4.4 | |
| 8 | 5.317.9 | 42.232.9 | 500 | 50 | 170 | 18 | 316 | 33 | 6.8 | 7.4 | 28 | 28.8 | 0.70 | 4.5 | |
| 9 | 5.200.2 | 47.433.1 | 390 | 62 | 130 | 21 | 200 | 42 | 6.8 | 8.0 | 28 | 29.0 | 1.00 | 4.0 | |
| 10 | 5.360.7 | 52.793.8 | 490 | 60 | 165 | 20 | 243 | 39 | 6.3 | 7.6 | 28 | 29.0 | 0.70 | 4.0 | |
| 11 | 6.869.4 | 59.663.2 | 560 | 54 | 190 | 18 | 298 | 36 | 6.5 | 7.6 | 28 | 28.8 | 0.50 | 4.5 | |
| 12 | 6.569.4 | 66.232.6 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 13 | 6.666.1 | 72.898.7 | 480 | 60 | 160 | 20 | 234 | 43 | 6.5 | 7.5 | 28 | 28.0 | 0.75 | 4.0 | |
| 14 | 6.452.1 | 79.350.8 | 267 | 64 | 170 | 24 | 267 | 45 | 6.8 | 8.0 | 28 | 28.0 | 0.50 | 3.5 | |
| 15 | 6.484.2 | 85.835.0 | 380 | 66 | 125 | 22 | 185 | 40 | 7.0 | 7.6 | 28 | 29.0 | 1.00 | 4.0 | |
| 16 | 7.714.7 | 93.549.7 | 480 | 64 | 160 | 21 | 226 | 41 | 6.8 | 8.0 | 28 | 28.0 | 0.80 | 4.5 | |
| 17 | 7.233.2 | 100.782.9 | 380 | 69 | 130 | 20 | 196 | 38 | 7.0 | 7.5 | 28 | 29.0 | 1.00 | 4.5 | |
| 18 | 7.671.9 | 108.454.8 | 500 | 64 | 165 | 21 | 247 | 39 | 6.6 | 7.6 | 28 | 28.8 | 0.75 | 4.4 | |
| 19 | 9.234.1 | 117.688.9 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 20 | 6.173.9 | 123.862.8 | 420 | 54 | 140 | 18 | 202 | 31 | 6.9 | 7.4 | 28 | 28.0 | 0.80 | 5.0 | |
| 21 | 7.522.1 | 131.384.9 | 380 | 60 | 125 | 20 | 193 | 37 | 7.0 | 7.0 | 28 | 29.0 | 1.00 | 4.8 | |
| 22 | 6.088.3 | 137.473.2 | 450 | 62 | 150 | 21 | 286 | 40 | 6.9 | 7.0 | 28 | 28.3 | 0.75 | 4.5 | |
| 23 | 10.946.1 | 148.419.3 | 500 | 64 | 170 | 23 | 327 | 43 | 6.8 | 7.0 | 28 | 28.5 | 0.50 | 4.0 | |
| 24 | 5.724.5 | 154.143.8 | 560 | 60 | 190 | 20 | 401 | 39 | 6.9 | 7.0 | 28 | 29.0 | 0.50 | 4.5 | |
| 25 | 9.255.5 | 163.399.3 | 480 | 62 | 160 | 21 | 258 | 41 | 6.9 | 7.0 | 28 | 29.0 | 0.75 | 4.4 | |
| 26 | 7.586.3 | 170.985.6 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 27 | 8.035.7 | 179.021.3 | 450 | 60 | 150 | 20 | 289 | 37 | 6.9 | 7.2 | 28 | 28.8 | 0.75 | 4.5 | |
| 28 | 6.280.9 | 185.302.2 | 432 | 46 | 150 | 15 | 297 | 31 | 6.8 | 7.0 | 28 | 29.0 | 0.60 | 5.0 | |
| 29 | 6.762.4 | 192.064.6 | 344 | 64 | 110 | 22 | 159 | 49 | 6.9 | 7.0 | 28 | 29.0 | 1.40 | 4.2 | |
| 30 | 7.201.1 | 199.265.7 | 344 | 72 | 115 | 24 | 179 | 49 | 7.0 | 7.0 | 28 | 29.0 | 1.00 | 3.0 | |

NOTE :

Volume air masuk :
 Min 5,050.4 m3/hari
 Max 10,946.1 m3/hari
 Rata-rata 6,642.2 m3/hari
 Total 199,265.7 m3/bl

BOD Inlet :

Min 110.0 mg/l
 Max 200.0 mg/l
 Rata-rata 158.0 mg/l

BOD Outlet :

Min 15.0 mg/l
 Max 24.0 mg/l
 Rata-rata 19.8 mg/l

Mengetahui :
 Kepala Unit IPAL

Ir. Anton Haryono, MT.
 NIP. 490 027 456

DATA PENGENDALIAN KUALITAS AIR BULAN JULI 2005

| Tgl | Debet m3/hari | Total Debet (m3) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (°C) | | DO (mg/l) | |
|-----|---------------|------------------|------------|-----|------------|-----|-----------|-----|-----|-----|-----------|------|-----------|-----|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 | 12.583.2 | 12.583.2 | 700 | 44 | 200 | 15 | 400 | 24 | 7.0 | 7.2 | 28.0 | 28.0 | 0.40 | 5.2 |
| 2 | 6.131.1 | 18.714.3 | 480 | 56 | 160 | 19 | 365 | 27 | 6.9 | 7.0 | 27.1 | 29.0 | 0.80 | 4.8 |
| 3 | 7.383.0 | 26.097.3 | - | - | - | - | - | - | - | - | - | - | - | - |
| 4 | 6.109.7 | 32.207.0 | 528 | 60 | 176 | 20 | 368 | 43 | 6.9 | 7.2 | 28.0 | 28.0 | 0.60 | 4.8 |
| 5 | 8.132.0 | 40.339.0 | 184 | 46 | 70 | 15 | 106 | 27 | 6.7 | 7.1 | 28.5 | 28.0 | 1.60 | 5.2 |
| 6 | 5.018.3 | 45.357.3 | 472 | 64 | 165 | 21 | 271 | 43 | 6.8 | 7.0 | 28.0 | 28.0 | 0.50 | 4.6 |
| 7 | 9.544.4 | 54.901.7 | 492 | 68 | 165 | 22 | 288 | 40 | 6.5 | 7.0 | 28.5 | 28.0 | 0.60 | 4.2 |
| 8 | 6.783.8 | 61.685.5 | 900 | 68 | 300 | 23 | 592 | 34 | 6.9 | 8.2 | 28.5 | 28.0 | 0.40 | 4.4 |
| 9 | 5.253.7 | 66.939.2 | 768 | 56 | 256 | 21 | 390 | 32 | 6.3 | 7.3 | 28.0 | 28.0 | 0.40 | 4.2 |
| 10 | 10.903.3 | 77.842.5 | - | - | - | - | - | - | - | - | - | - | - | - |
| 11 | 5.360.7 | 83.203.2 | 700 | 40 | 250 | 20 | 479 | 37 | 6.5 | 8.0 | 28.0 | 28.0 | 0.40 | 4.6 |
| 12 | 11.663.0 | 94.866.2 | 600 | 60 | 200 | 21 | 503 | 39 | 6.6 | 7.6 | 28.0 | 28.0 | 0.50 | 4.5 |
| 13 | 7.425.8 | 102.292.0 | 660 | 60 | 220 | 22 | 427 | 49 | 6.6 | 7.5 | 28.0 | 28.0 | 0.60 | 4.2 |
| 14 | 7.564.9 | 109.856.9 | 504 | 40 | 138 | 15 | 202 | 30 | 6.5 | 7.0 | 28.0 | 28.5 | 1.00 | 5.4 |
| 15 | 5.317.9 | 115.174.8 | 580 | 66 | 190 | 22 | 468 | 38 | 6.6 | 7.0 | 28.0 | 28.0 | 0.75 | 4.4 |
| 16 | 8.763.3 | 123.938.1 | 530 | 64 | 175 | 21 | 373 | 35 | 6.8 | 7.0 | 28.0 | 28.0 | 0.80 | 4.2 |
| 17 | 6.302.3 | 130.240.4 | - | - | - | - | - | - | - | - | - | - | - | - |
| 18 | 9.052.2 | 139.292.6 | 340 | 48 | 106 | 22 | 179 | 39 | 6.9 | 7.5 | 28.5 | 28.0 | 1.40 | 4.0 |
| 19 | 7.329.5 | 146.622.1 | 576 | 72 | 192 | 24 | 454 | 35 | 6.9 | 7.5 | 28.0 | 28.0 | 0.60 | 3.8 |
| 20 | 5.649.6 | 152.271.7 | 280 | 68 | 92 | 23 | 155 | 30 | 6.6 | 7.2 | 28.0 | 28.0 | 1.20 | 3.8 |
| 21 | 6.430.7 | 158.702.4 | 300 | 66 | 100 | 22 | 108 | 35 | 6.0 | 7.0 | 28.0 | 28.5 | 1.20 | 4.0 |
| 22 | 9.704.9 | 168.407.3 | 228 | 40 | 80 | 16 | 140 | 24 | 6.0 | 7.0 | 28.0 | 28.5 | 2.00 | 5.0 |
| 23 | 6.002.7 | 174.410.0 | 400 | 80 | 130 | 24 | 150 | 50 | 6.2 | 7.0 | 28.0 | 28.5 | 1.08 | 3.2 |
| 24 | 8.292.5 | 182.702.5 | - | - | - | - | - | - | - | - | - | - | - | - |
| 25 | 10.742.8 | 193.445.3 | 560 | 60 | 190 | 20 | 289 | 30 | 6.7 | 7.3 | 28.5 | 27.5 | 0.70 | 4.6 |
| 26 | 9.587.2 | 203.032.5 | 600 | 64 | 200 | 21 | 368 | 49 | 6.9 | 7.3 | 28.0 | 27.5 | 0.70 | 4.0 |
| 27 | 10.090.1 | 213.122.6 | 560 | 68 | 166 | 23 | 220 | 50 | 6.6 | 7.6 | 28.0 | 27.0 | 0.75 | 3.4 |
| 28 | 5.735.2 | 218.857.8 | 240 | 64 | 110 | 22 | 143 | 43 | 6.8 | 7.7 | 28.0 | 27.5 | 1.00 | 4.0 |
| 29 | 6.484.2 | 225.342.0 | 560 | 62 | 186 | 21 | 298 | 43 | 6.9 | 7.4 | 28.0 | 27.5 | 0.50 | 4.4 |
| 30 | 6.484.2 | 231.826.2 | 240 | 64 | 100 | 21 | 132 | 37 | 6.7 | 7.0 | 28.0 | 27.0 | 1.20 | 4.2 |
| 31 | 6.452.1 | 238.278.3 | - | - | - | - | - | - | - | - | - | - | - | - |

NOTE :

Volume air masuk :

| | | |
|-----------|-----------|---------|
| Min | 5.018.3 | m3/hari |
| Max | 12.583.2 | m3/hari |
| Rata-rata | 7.686.4 | m3/hari |
| Total | 238.278.3 | m3/bi |

BOD Inlet :

| | | |
|-----------|-------|------|
| Min | 70.0 | mg/l |
| Max | 300.0 | mg/l |
| Rata-rata | 166.0 | mg/l |

BOD Outlet :

| | | |
|-----------|------|------|
| Min | 15.0 | mg/l |
| Max | 24.0 | mg/l |
| Rata-rata | 20.6 | mg/l |

Mengetahui :

Kepala Unit IPAL

Ir. Anton Haryono, MT.
NIP. 490 027 456

DATA PENGENDALIAN KUALITAS AIR BULAN AGUSTUS 2005

| Tgl | Debet m ³ /hari | Total Debet (m ³) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (C) | | DO (mg/l) | | |
|-----|-------------------------------|----------------------------------|------------|-----|------------|-----|-----------|-----|------|-----|----------|------|-----------|------|---|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | |
| 1 | 5.9813 | 5.9813 | 736 | 40 | 250 | 20 | 524 | 53 | 6.67 | 7.2 | 28.0 | 28.0 | 0.20 | 4.28 | |
| 2 | 7.9073 | 13.8886 | 324 | 60 | 108 | 24 | 259 | 42 | 6.26 | 7.8 | 28.0 | 27.5 | 1.01 | 3.40 | |
| 3 | 6.0669 | 19.9555 | 424 | 68 | 140 | 23 | 175 | 43 | 6.94 | 7.1 | 28.0 | 27.0 | 1.20 | 4.10 | |
| 4 | 6.8052 | 26.7607 | 672 | 32 | 224 | 15 | 472 | 28 | 6.69 | 7.5 | 28.0 | 28.0 | 0.40 | 5.10 | |
| 5 | 7.3830 | 34.1437 | 316 | 32 | 105 | 24 | 150 | 34 | 6.74 | 7.7 | 28.0 | 28.0 | 1.00 | 3.50 | |
| 6 | 6.6554 | 40.7991 | 800 | 64 | 250 | 21 | 400 | 41 | 6.75 | 7.6 | 27.0 | 27.5 | 0.90 | 4.20 | |
| 7 | 9.2983 | 50.0974 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 8 | 7.9394 | 58.0368 | 592 | 44 | 198 | 15 | 306 | 21 | 6.72 | 7.8 | 28.5 | 27.5 | 0.50 | 5.00 | |
| 9 | 6.3023 | 64.3391 | 352 | 48 | 120 | 15 | 164 | 44 | 6.29 | 7.8 | 27.5 | 27.5 | 1.60 | 5.40 | |
| 10 | 6.2595 | 70.5986 | 420 | 56 | 140 | 19 | 360 | 46 | 6.81 | 7.6 | 28.5 | 27.0 | 1.12 | 4.10 | |
| 11 | 6.0241 | 76.6227 | 506 | 58 | 170 | 20 | 355 | 50 | 6.63 | 7.3 | 28.0 | 28.0 | 0.80 | 4.50 | |
| 12 | 6.6447 | 83.2674 | 392 | 52 | 136 | 20 | 303 | 46 | 6.65 | 7.4 | 28.0 | 28.0 | 1.00 | 4.40 | |
| 13 | 6.1739 | 89.4413 | 524 | 44 | 175 | 21 | 314 | 46 | 6.53 | 7.0 | 28.0 | 28.0 | 0.60 | 4.00 | |
| 14 | 6.4842 | 95.9255 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 15 | 6.3986 | 102.3241 | 562 | 76 | 188 | 25 | 399 | 55 | 6.92 | 7.6 | 27.5 | 26.0 | 0.10 | 3.12 | |
| 16 | 5.7459 | 108.0700 | 564 | 70 | 188 | 23 | 329 | 58 | 6.66 | 7.9 | 26.5 | 27.5 | 0.40 | 3.60 | |
| 17 | 5.9706 | 114.0406 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 18 | 7.0085 | 121.0491 | 844 | 70 | 280 | 23 | 426 | 60 | 6.10 | 7.0 | 26.5 | 27.5 | 0.30 | 3.80 | |
| 19 | 6.6447 | 127.6938 | 840 | 80 | 250 | 24 | 400 | 75 | 6.10 | 8.0 | 28.0 | 27.5 | 0.45 | 3.80 | |
| 20 | 5.4356 | 133.1294 | 404 | 68 | 135 | 24 | 187 | 68 | 6.88 | 8.0 | 27.5 | 27.0 | 1.12 | 3.80 | |
| 21 | 6.5056 | 139.6350 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 22 | 5.8850 | 145.5200 | 484 | 76 | 161 | 25 | 210 | 57 | 6.35 | 7.2 | 28.0 | 28.0 | 0.80 | 3.60 | |
| 23 | 7.1904 | 152.7104 | 564 | 62 | 188 | 23 | 375 | 48 | 6.67 | 7.6 | 27.5 | 28.0 | 0.40 | 3.90 | |
| 24 | 9.0843 | 161.7947 | 522 | 50 | 174 | 20 | 275 | 42 | 6.44 | 7.8 | 28.0 | 28.0 | 0.60 | 4.40 | |
| 25 | 7.5114 | 169.3061 | 498 | 70 | 166 | 22 | 200 | 45 | 6.22 | 7.5 | 28.0 | 28.0 | 0.60 | 4.20 | |
| 26 | 9.8440 | 179.1501 | 476 | 50 | 158 | 17 | 200 | 36 | 6.49 | 7.9 | 27.5 | 27.5 | 0.60 | 5.60 | |
| 27 | 10.7535 | 189.9036 | 476 | 70 | 156 | 23 | 300 | 46 | 6.10 | 7.3 | 27.0 | 26.5 | 0.80 | 3.40 | |
| 28 | 8.3995 | 198.3031 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 29 | 8.3246 | 206.6277 | 460 | 80 | 150 | 25 | 225 | 42 | 6.96 | 7.6 | 27.5 | 27.5 | 0.60 | 3.60 | |
| 30 | 10.5395 | 217.1672 | 420 | 80 | 140 | 25 | 220 | 53 | 6.40 | 7.1 | 28.0 | 28.0 | 0.80 | 3.60 | |
| 31 | 8.8168 | 225.9840 | 540 | 80 | 180 | 25 | 275 | 52 | 6.4? | 7.5 | 27.5 | 27.5 | 0.40 | 3.40 | |

NOTE :

Volume air masuk :
 Min 5.4356 m³/hari
 Max 10.7535 m³/hari
 Rata-rata 7.2898 m³/hari
 Total 225.9840 m³/bi

BOD Inlet :
 Min 105.0 mg/l
 Max 280.0 mg/l
 Rata-rata 174.2 mg/l

BOD Outlet :
 Min 15.0 mg/l
 Max 25.0 mg/l
 Rata-rata 21.6 mg/l

Mengetahui :
 Kepala Unit IPAL

Ir Anton Haryono, MT.
 NIP. 490 027 456

DATA PENGENDALIAN KUALITAS AIR BULAN SEPTEMBER 2005

| Tgl | Debet m3/hari | Total Debet (m3) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (C) | | DO (mg/l) | |
|-----|------------------|---------------------|------------|-----|------------|-----|-----------|-----|------|------|----------|------|-----------|-----|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 | 12.3799 | 12.3799 | 600 | 60 | 200 | 20 | 391 | 42 | 6.53 | 7.47 | 28.0 | 28.0 | 0.5 | 4.5 |
| 2 | 11.4597 | 23.8396 | | | | | | | | | | | | |
| 3 | 12.3050 | 36.1446 | 504 | 68 | 168 | 20 | 302 | 38 | 6.75 | 7.58 | 28.4 | 28.0 | 0.8 | 4.8 |
| 4 | 10.2506 | 46.3952 | | | | | | | | | | | | |
| 5 | 11.2136 | 57.6088 | 412 | 68 | 140 | 23 | 262 | 40 | 6.70 | 7.93 | 28.5 | 28.5 | 0.8 | 3.6 |
| 6 | 11.5988 | 69.2076 | 604 | 64 | 202 | 20 | 438 | 39 | 6.50 | 7.64 | 28.0 | 28.0 | 0.5 | 4.2 |
| 7 | 9.8761 | 79.0837 | 550 | 60 | 185 | 20 | 312 | 42 | 6.63 | 7.39 | 28.0 | 28.8 | 0.6 | 4.0 |
| 8 | 12.2836 | 91.3673 | 440 | 66 | 150 | 22 | 400 | 40 | 6.55 | 7.16 | 28.0 | 29.0 | 0.8 | 3.4 |
| 9 | 12.3799 | 103.7472 | 480 | 70 | 160 | 24 | 281 | 40 | 6.71 | 7.17 | 28.0 | 28.5 | 0.6 | 3.1 |
| 10 | 9.1378 | 112.8850 | 604 | 60 | 210 | 20 | 470 | 54 | 6.02 | 7.47 | 28.0 | 28.5 | 0.4 | 4.1 |
| 11 | 11.2564 | 124.1414 | | | | | | | | | | | | |
| 12 | 10.5395 | 134.6809 | 480 | 58 | 160 | 18 | 401 | 25 | 6.87 | 7.73 | 28.0 | 28.5 | 0.6 | 5.0 |
| 13 | 11.0317 | 145.7126 | 568 | 62 | 190 | 23 | 399 | 30 | 6.48 | 7.59 | 28.5 | 28.5 | 0.4 | 3.6 |
| 14 | 8.6884 | 154.4010 | 456 | 48 | 152 | 16 | 241 | 45 | 6.28 | 7.66 | 28.5 | 29.0 | 1.0 | 5.0 |
| 15 | 7.4579 | 161.8589 | 326 | 58 | 100 | 19 | 183 | 37 | 6.61 | 7.49 | 28.0 | 27.5 | 1.6 | 4.3 |
| 16 | 8.6563 | 170.5152 | 450 | 54 | 150 | 18 | 267 | 39 | 6.72 | 7.33 | 28.0 | 28.0 | 0.8 | 4.5 |
| 17 | 9.0415 | 179.5567 | 570 | 48 | 190 | 16 | 442 | 32 | 6.64 | 7.61 | 28.0 | 28.5 | 0.5 | 5.0 |
| 18 | 9.9938 | 189.5505 | | | | | | | | | | | | |
| 19 | 9.2662 | 198.8167 | 600 | 60 | 200 | 20 | 468 | 40 | 6.53 | 7.18 | 28.0 | 28.5 | 0.5 | 4.2 |
| 20 | 10.6679 | 209.4846 | 460 | 64 | 155 | 20 | 133 | 36 | 6.64 | 7.04 | 28.0 | 28.5 | 0.8 | 4.5 |
| 21 | 9.5230 | 219.0076 | 416 | 48 | 120 | 16 | 140 | 35 | 6.34 | 7.89 | 28.0 | 29.0 | 1.3 | 5.0 |
| 22 | 7.4472 | 226.4548 | 420 | 58 | 140 | 20 | 206 | 47 | 6.40 | 7.32 | 28.0 | 29.0 | 1.0 | 4.5 |
| 23 | 9.8119 | 236.2667 | 344 | 52 | 114 | 19 | 192 | 44 | 6.80 | 7.00 | 28.5 | 29.5 | 1.2 | 4.8 |
| 24 | 7.0941 | 243.3608 | 336 | 52 | 112 | 19 | 136 | 35 | 6.74 | 7.41 | 28.5 | 29.5 | 1.0 | 4.9 |
| 25 | 7.7789 | 251.1397 | | | | | | | | | | | | |
| 26 | 8.5386 | 259.6783 | 384 | 64 | 128 | 22 | 119 | 42 | 6.47 | 7.64 | 28.5 | 29.5 | 1.5 | 3.5 |
| 27 | 9.0522 | 268.7305 | 400 | 40 | 134 | 15 | 140 | 42 | 6.38 | 7.48 | 28.5 | 29.0 | 1.1 | 5.0 |
| 28 | 8.3460 | 277.0765 | 424 | 54 | 141 | 18 | 128 | 50 | 6.50 | 7.49 | 28.0 | 29.5 | 1.1 | 4.9 |
| 29 | 8.0892 | 285.1657 | 540 | 52 | 180 | 17 | 323 | 35 | 6.03 | 7.50 | 29.0 | 29.5 | 0.6 | 5.0 |
| 30 | 8.4530 | 293.6187 | 432 | 46 | 140 | 15 | 113 | 35 | 6.93 | 7.66 | 28.0 | 28.5 | 1.6 | 5.0 |

NOTE :

Volume air masuk :

| | | |
|-----------|-----------|---------|
| Min | 7.094.1 | m3/hari |
| Max | 12.379.9 | m3/hari |
| Rata-rata | 9.787.3 | m3/hari |
| Total | 293.618.7 | m3/bl |

BOD Inlet :

| | | |
|-----------|-------|------|
| Min | 100.0 | mg/l |
| Max | 210.0 | mg/l |
| Rata-rata | 156.8 | mg/l |

BOD Outlet :

| | | |
|-----------|------|------|
| Min | 15.0 | mg/l |
| Max | 24.0 | mg/l |
| Rata-rata | 19.2 | mg/l |

Mengetahui
Kepala Unit IPAL

Ir. Anton Haryono, MT.
NIP 490 027 456

DATA PENGENDALIAN KUALITAS AIR BULAN OKTOBER 2005

| Tgl | Debet m3/hari | Total Debet (m3) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (C) | | DO (mg/l) | |
|-----|------------------|---------------------|------------|-----|------------|-----|-----------|-----|------|------|----------|------|-----------|-----|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 | 7.725.4 | 7.725.4 | 550 | 58 | 180 | 18 | 444 | 36 | 6.01 | 7.76 | 27.5 | 28.5 | 0.5 | 5.0 |
| 2 | 8.934.5 | 16.659.9 | | | | | | | | | | | | |
| 3 | 9.576.5 | 26.236.4 | 580 | 60 | 190 | 20 | 483 | 40 | 6.50 | 7.63 | 28.0 | 29.0 | 0.5 | 4.5 |
| 4 | 8.731.2 | 34.967.6 | 448 | 64 | 160 | 20 | 324 | 37 | 6.12 | 7.47 | 28.5 | 29.5 | 0.5 | 4.9 |
| 5 | 7.586.3 | 42.553.9 | 450 | 60 | 152 | 18 | 283 | 42 | 6.84 | 7.63 | 28.0 | 29.5 | 0.6 | 4.5 |
| 6 | 8.517.2 | 51.071.1 | 460 | 48 | 150 | 16 | 367 | 29 | 6.72 | 7.73 | 28.0 | 29.5 | 0.7 | 5.0 |
| 7 | 10.218.5 | 61.289.6 | 380 | 40 | 130 | 15 | 295 | 43 | 6.71 | 7.70 | 28.5 | 29.5 | 0.8 | 5.0 |
| 8 | 10.742.8 | 72.032.4 | 320 | 48 | 110 | 16 | 262 | 36 | 6.59 | 7.70 | 28.5 | 29.0 | 1.0 | 5.0 |
| 9 | 10.250.6 | 82.283.0 | | | | | | | | | | | | |
| 10 | 9.608.6 | 91.891.6 | 656 | 52 | 220 | 17 | 537 | 42 | 6.60 | 7.60 | 28.5 | 29.5 | 0.6 | 5.0 |
| 11 | 7.222.5 | 99.114.1 | 380 | 52 | 126 | 17 | 224 | 32 | 6.83 | 7.35 | 28.5 | 30.0 | 0.8 | 4.5 |
| 12 | 6.045.5 | 105.159.6 | 500 | 48 | 100 | 16 | 209 | 24 | 6.75 | 7.80 | 28.0 | 29.0 | 1.6 | 5.2 |
| 13 | 4.237.2 | 109.396.8 | 550 | 50 | 180 | 16 | 307 | 34 | 6.00 | 7.29 | 28.5 | 29.0 | 0.9 | 5.0 |
| 14 | 4.419.1 | 113.815.9 | 460 | 56 | 150 | 18 | 210 | 40 | 6.41 | 7.36 | 28.0 | 29.0 | 0.8 | 4.5 |
| 15 | 5.007.6 | 118.823.5 | 324 | 52 | 108 | 17 | 308 | 37 | 6.59 | 7.59 | 28.0 | 29.0 | 1.0 | 5.0 |
| 16 | 5.136.0 | 123.959.5 | | | | | | | | | | | | |
| 17 | 4.044.6 | 128.004.1 | 480 | 48 | 160 | 16 | 298 | 35 | 6.86 | 7.80 | 28.5 | 28.0 | 0.7 | 5.0 |
| 18 | 4.665.2 | 132.669.3 | 480 | 50 | 170 | 16 | 313 | 38 | 6.59 | 7.59 | 28.0 | 29.0 | 0.7 | 5.0 |
| 19 | 4.119.5 | 136.788.8 | 600 | 44 | 202 | 15 | 450 | 40 | 6.62 | 7.80 | 27.5 | 27.0 | 0.6 | 5.0 |
| 20 | 4.934.4 | 141.723.2 | 460 | 48 | 150 | 16 | 267 | 37 | 6.75 | 7.34 | 28.0 | 29.0 | 1.0 | 5.0 |
| 21 | 5.435.6 | 147.158.8 | 480 | 52 | 160 | 18 | 322 | 39 | 6.84 | 7.70 | 28.0 | 29.0 | 0.8 | 4.5 |
| 22 | 5.499.8 | 152.658.6 | 520 | 56 | 180 | 19 | 373 | 42 | 6.36 | 7.64 | 28.0 | 29.0 | 0.7 | 4.8 |
| 23 | 7.468.6 | 160.127.2 | | | | | | | | | | | | |
| 24 | 4.761.5 | 164.888.7 | 362 | 48 | 122 | 16 | 253 | 38 | 6.65 | 7.05 | 28.5 | 28.0 | 1.0 | 5.0 |
| 25 | 5.029.0 | 169.917.7 | 442 | 54 | 150 | 18 | 219 | 54 | 6.82 | 7.88 | 28.0 | 29.0 | 0.5 | 4.4 |
| 26 | 4.932.7 | 174.850.4 | 562 | 40 | 188 | 15 | 200 | 28 | 6.71 | 7.99 | 28.5 | 29.0 | 0.4 | 5.0 |
| 27 | 4.419.1 | 179.269.5 | 498 | 56 | 160 | 19 | 269 | 35 | 6.76 | 7.90 | 28.0 | 29.5 | 0.5 | 4.0 |
| 28 | 5.082.5 | 184.352.0 | 450 | 52 | 150 | 17 | 235 | 40 | 6.63 | 7.50 | 29.0 | 29.0 | 0.8 | 5.0 |
| 29 | 5.232.3 | 189.584.3 | 600 | 54 | 200 | 18 | 386 | 38 | 6.76 | 7.60 | 28.0 | 29.0 | 0.5 | 4.5 |
| 30 | 3.210.0 | 192.794.3 | | | | | | | | | | | | |
| 31 | 5.585.4 | 198.379.7 | 480 | 54 | 160 | 18 | 292 | 37 | 6.42 | 7.53 | 29.0 | 29.0 | 0.6 | 5.0 |

NOTE :

Volume air masuk :
 Min 3.210.0 m3/hari
 Max 10.742.8 m3/hari
 Rata-rata 6.399.3 m3/hari
 Total 198.379.7 m3/bi

BOD Inlet :

Min 100.0 mg/l
 Max 220.0 mg/l
 Rata-rata 158.0 mg/l

BOD Outlet :

Min 15.0 mg/l
 Max 20.0 mg/l
 Rata-rata 17.1 mg/l

Mengetahui :
 Kepala Unit IPAL



Ir Anton Haryono, MT
 NIP. 490.027.456

DATA PENGENDALIAN KUALITAS AIR BULAN NOPEMBER 2005

| Tgl | Debet m ³ /hari | Total Debet (m ³) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (C) | | DO (mg/l) | | |
|-----|-------------------------------|----------------------------------|------------|-----|------------|-----|-----------|-----|------|------|----------|------|-----------|-----|---|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | |
| 1 | 4.740 | 4.740 | 460 | 56 | 155 | 19 | 275 | 41 | 6.50 | 7.40 | 29.0 | 29.5 | 0.8 | 4.6 | |
| 2 | 4.075 | 8.816 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3 | 5.767 | 14.584 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4 | 5.831 | 20.415 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5 | 6.826 | 27.242 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 6 | 3.466 | 30.709 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7 | 5.596 | 36.305 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 8 | 4.001 | 40.306 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 9 | 5.232 | 45.539 | 540 | 50 | 180 | 17 | 362 | 35 | 6.70 | 7.00 | 29.0 | 29.0 | 0.6 | 5.0 | |
| 10 | 3.852 | 49.402 | 480 | 56 | 165 | 19 | 341 | 38 | 6.60 | 7.40 | 29.0 | 29.2 | 0.7 | 4.8 | |
| 11 | 5.039 | 54.441 | 420 | 54 | 140 | 18 | 307 | 36 | 6.60 | 7.40 | 29.0 | 29.0 | 1.0 | 5.0 | |
| 12 | 4.697 | 59.139 | 450 | 60 | 150 | 20 | 329 | 42 | 6.40 | 7.10 | 29.0 | 29.1 | 0.8 | 4.5 | |
| 13 | 5.114 | 64.253 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 | 3.648 | 67.902 | 520 | 40 | 170 | 15 | 352 | 34 | 6.40 | 7.08 | 29.0 | 29.1 | 0.5 | 5.0 | |
| 15 | 4.975 | 72.877 | 400 | 46 | 130 | 16 | 207 | 31 | 6.95 | 7.20 | 29.0 | 30.0 | 1.0 | 5.0 | |
| 16 | 4.932 | 77.810 | 592 | 60 | 198 | 20 | 430 | 40 | 6.98 | 7.42 | 28.0 | 29.5 | 0.5 | 4.5 | |
| 17 | 4.868 | 82.679 | 480 | 60 | 160 | 20 | 355 | 54 | 6.63 | 7.44 | 28.0 | 29.5 | 0.8 | 4.0 | |
| 18 | 2.760 | 85.435 | 520 | 58 | 170 | 20 | 382 | 43 | 6.32 | 7.46 | 29.0 | 30.0 | 0.8 | 4.0 | |
| 19 | 5.596 | 91.035 | 590 | 58 | 196 | 19 | 616 | 32 | 6.11 | 7.48 | 29.2 | 31.0 | 0.5 | 4.5 | |
| 20 | 4.322 | 95.358 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 21 | 4.986 | 100.344 | 490 | 64 | 165 | 21 | 317 | 32 | 6.10 | 7.46 | 29.0 | 29.0 | 0.8 | 3.5 | |
| 22 | 4.365 | 104.710 | 480 | 60 | 160 | 20 | 363 | 45 | 6.34 | 7.52 | 28.0 | 29.5 | 0.8 | 4.0 | |
| 23 | 4.964 | 109.675 | 608 | 64 | 185 | 21 | 205 | 39 | 6.20 | 7.51 | 28.0 | 29.0 | 0.5 | 3.0 | |
| 24 | 5.457 | 115.132 | 544 | 56 | 180 | 20 | 341 | 37 | 6.06 | 7.84 | 30.0 | 31.0 | 0.6 | 4.5 | |
| 25 | 4.932 | 120.064 | 390 | 54 | 130 | 18 | 206 | 33 | 6.31 | 7.42 | 29.0 | 29.0 | 0.1 | 5.0 | |
| 26 | 7.832 | 127.897 | 588 | 58 | 196 | 19 | 384 | 43 | 6.40 | 7.36 | 29.0 | 30.0 | 0.5 | 4.5 | |
| 27 | 6.708 | 134.606 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 28 | 5.221 | 139.827 | 600 | 50 | 200 | 20 | 402 | 48 | 6.75 | 7.51 | 29.0 | 30.0 | 0.5 | 4.0 | |
| 29 | 13.309 | 153.137 | 496 | 62 | 165 | 20 | 258 | 52 | 6.18 | 7.26 | 29.8 | 30.2 | 0.8 | 4.0 | |
| 30 | 5.564 | 158.701 | 698 | 70 | 230 | 23 | 370 | 24 | 6.31 | 7.45 | 27.0 | 27.5 | 0.5 | 3.0 | |

NOTE :

Volume air masuk :

| | | |
|-----------|-----------|----------------------|
| Min | 2.760,5 | m ³ /hari |
| Max | 13.309,9 | m ³ /hari |
| Rata-rata | 5.290,0 | m ³ /hari |
| Total | 158.701,7 | m ³ /bl |

BOD Inlet :

| | | |
|-----------|-------|------|
| Min | 130,0 | mg/l |
| Max | 230,0 | mg/l |
| Rata-rata | 171,3 | mg/l |

BOD Outlet :

| | | |
|-----------|------|------|
| Min | 15,0 | mg/l |
| Max | 23,0 | mg/l |
| Rata-rata | 19,3 | mg/l |

Mengetahui :

Kepala Unit IPAL

Ir Anton Haryono, MT.
NIP 490 027 456

DATA PENGENDALIAN KUALITAS AIR BULAN DESEMBER 2005

| Tgl | Debet m3/hari | Total Debet (m3) | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | | PH | | SUHU (C) | | DO (mg/l) | |
|-----|------------------|---------------------|------------|-----|------------|-----|-----------|-----|-----|-----|----------|------|-----------|-----|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 | 3.552.4 | 4.740.1 | 480 | 60 | 160 | 20 | 302 | 41 | 6.5 | 7.5 | 28.0 | 28.0 | 0.8 | 4.0 |
| 2 | 5.467.7 | 9.020.1 | 450 | 54 | 150 | 18 | 286 | 39 | 6.3 | 7.5 | 28.0 | 29.0 | 0.6 | 4.5 |
| 3 | 5.778.0 | 14.798.1 | 450 | 48 | 150 | 15 | 266 | 35 | 6.3 | 7.4 | 28.0 | 29.0 | 0.8 | 5.0 |
| 4 | 7.072.7 | 21.870.8 | | | | | | | | | | | | |
| 5 | 4.461.9 | 26.332.7 | 460 | 58 | 150 | 15 | 282 | 39 | 6.2 | 7.4 | 28.0 | 28.0 | 0.8 | 4.4 |
| 6 | 5.906.4 | 32.239.1 | 480 | 52 | 160 | 18 | 300 | 33 | 6.4 | 7.6 | 28.0 | 29.0 | 0.8 | 4.5 |
| 7 | 4.889.9 | 37.129.0 | 560 | 50 | 190 | 17 | 365 | 36 | 6.4 | 7.5 | 28.0 | 29.0 | 0.5 | 4.5 |
| 8 | 5.606.8 | 42.735.8 | 480 | 48 | 160 | 16 | 313 | 30 | 6.7 | 7.6 | 28.0 | 28.0 | 0.8 | 5.0 |
| 9 | 5.200.2 | 47.935.0 | 460 | 48 | 155 | 16 | 282 | 32 | 6.4 | 7.6 | 28.0 | 28.0 | 0.8 | 5.0 |
| 10 | 9.790.5 | 57.726.5 | 460 | 46 | 150 | 15 | 247 | 34 | 6.4 | 7.5 | 28.0 | 28.0 | 0.8 | 5.0 |
| 11 | 7.008.5 | 64.735.0 | | | | | | | | | | | | |
| 12 | 8.121.3 | 72.856.3 | 420 | 50 | 140 | 17 | 236 | 35 | 6.5 | 7.8 | 28.0 | 29.0 | 0.8 | 4.5 |
| 13 | 6.965.7 | 79.822.0 | 360 | 56 | 120 | 19 | 199 | 40 | 6.7 | 7.7 | 28.0 | 29.0 | 1.0 | 4.0 |
| 14 | 6.871.0 | 86.693.0 | 440 | 54 | 150 | 16 | 261 | 36 | 6.3 | 7.7 | 28.0 | 28.0 | 0.8 | 4.0 |
| 15 | 6.848.0 | 93.541.0 | 600 | 48 | 200 | 16 | 408 | 29 | 6.4 | 7.4 | 28.0 | 28.0 | 0.5 | 4.4 |
| 16 | 9.052.2 | 102.593.2 | 550 | 50 | 185 | 17 | 368 | 31 | 6.5 | 7.3 | 28.0 | 28.0 | 0.5 | 4.2 |
| 17 | 8.560.0 | 111.153.2 | 580 | 58 | 195 | 19 | 415 | 43 | 6.3 | 7.3 | 28.0 | 28.0 | 0.5 | 4.0 |
| 18 | 6.291.6 | 117.444.8 | | | | | | | | | | | | |
| 19 | 9.619.3 | 127.064.1 | 420 | 60 | 140 | 20 | 224 | 43 | 6.4 | 7.6 | 27.0 | 28.0 | 0.8 | 4.0 |
| 20 | 11.160.1 | 138.224.2 | 520 | 54 | 180 | 18 | 312 | 36 | 6.5 | 7.5 | 28.0 | 28.0 | 0.6 | 4.2 |
| 21 | 11.724.1 | 149.948.3 | 520 | 48 | 175 | 16 | 258 | 35 | 6.6 | 7.6 | 27.0 | 28.0 | 0.8 | 5.0 |
| 22 | 10.146.7 | 160.095.0 | 360 | 54 | 120 | 18 | 203 | 39 | 6.6 | 7.4 | 28.0 | 28.0 | 1.0 | 4.5 |
| 23 | 6.295.6 | 166.390.6 | 480 | 50 | 160 | 17 | 292 | 34 | 6.6 | 7.3 | 28.0 | 28.0 | 0.8 | 5.0 |
| 24 | 5.000.5 | 171.391.1 | 380 | 48 | 125 | 16 | 246 | 30 | 6.4 | 7.6 | 28.0 | 28.0 | 1.0 | 5.0 |
| 25 | 5.000.0 | 176.391.1 | | | | | | | | | | | | |
| 26 | 12.379.9 | 188.771.0 | 600 | 50 | 200 | 17 | 463 | 34 | 6.3 | 7.7 | 28.0 | 28.0 | 0.5 | 4.2 |
| 27 | 7.136.9 | 195.907.9 | 630 | 54 | 210 | 18 | 502 | 37 | 6.5 | 8.0 | 27.5 | 27.8 | 0.5 | 4.5 |
| 28 | 9.640.6 | 205.548.5 | 450 | 48 | 150 | 15 | 314 | 29 | 6.2 | 7.6 | 28.0 | 28.0 | 0.8 | 5.0 |
| 29 | 11.663.0 | 217.211.5 | 480 | 48 | 160 | 16 | 339 | 31 | 6.2 | 7.6 | 27.5 | 27.6 | 0.8 | 5.0 |
| 30 | 4.590.3 | 221.801.8 | 360 | 60 | 120 | 20 | 226 | 40 | 6.5 | 7.8 | 28.0 | 28.0 | 1.0 | 4.2 |
| 31 | 13.011.2 | 234.813.0 | 660 | 66 | 220 | 22 | 596 | 43 | 6.3 | 8.1 | 27.8 | 27.3 | 0.4 | 4.3 |

NOTE :

Volume air masuk :

| | | |
|-----------|-----------|---------|
| Min | 3.552.4 | m3/hari |
| Max | 13.011.2 | m3/hari |
| Rata-rata | 7.574.6 | m3/hari |
| Total | 234.813.0 | m3/bl |

BOD Inlet :

| | | |
|-----------|-------|------|
| Min | 120.0 | mg/l |
| Max | 220.0 | mg/l |
| Rata-rata | 162.0 | mg/l |

BOD Outlet :

| | | |
|-----------|------|------|
| Min | 15.0 | mg/l |
| Max | 22.0 | mg/l |
| Rata-rata | 17.6 | mg/l |

Mengetahui :

Kepala Unit IPAL



Ir. Anton Haryono, MT
NIP. 490 027 456

DATA KUALITAS AIR BULAN JANUARI 2006

| Tgl | Debet (m3/hari) | Total Debit (m3) | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | | Cuaca |
|-----|-----------------|------------------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|---------|
| | | | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | |
| 1 | 7.939,4 | 7.939,4 | | | | | | | | | | | | | Cerah |
| 2 | 8.142,7 | 16.082,1 | 7,10 | 8,3 | 28,0 | 28,0 | 33,4 | 5,4 | 11 | 18 | 1,0 | 3,0 | 240 | 37 | Gerimis |
| 3 | 10.218,5 | 26.300,6 | 6,98 | 5,6 | 27,5 | 27,5 | 32,5 | 6,6 | 11 | 21 | 1,2 | 2,2 | 160 | 38 | Cerah |
| 4 | 7.661,2 | 33.961,8 | 7,46 | 8,4 | 27,5 | 28,0 | 4,73 | 6,9 | 15 | 24 | 0,8 | 2,5 | 618 | 37 | Cerah |
| 5 | 7.661,2 | 41.623,0 | 7,46 | 5,6 | 28,5 | 29,0 | 14,7 | 5,8 | 6 | 19 | 2,8 | 5,4 | 186 | 17 | Cerah |
| 6 | 7.286,7 | 48.909,7 | 7,46 | 6,22 | 28,5 | 29,0 | 4,42 | 6,6 | 14 | 20 | 1,4 | 5,6 | 227 | 33 | Cerah |
| 7 | 6.912,2 | 55.821,9 | 7,44 | 7,59 | 28,0 | 28,5 | 5,04 | 5,0 | 16 | 17 | 0,9 | 4,5 | 282 | 25 | Cerah |
| 8 | 6.184,6 | 62.006,5 | | | | | | | | | | | | | Cerah |
| 9 | 7.136,9 | 69.143,4 | 7,24 | 8,44 | 27,5 | 28,5 | 4,04 | 4,0 | 140 | 15 | 1,8 | 5,0 | 123 | 18 | Cerah |
| 10 | 6.056,2 | 75.199,6 | | | | | | | | | | | | | Cerah |
| 11 | 6.345,1 | 81.544,7 | 7,08 | 7,86 | 28,5 | 29,0 | 3,96 | 5,4 | 125 | 16 | 2,4 | 5,1 | 82 | 25 | Cerah |
| 12 | 5.441,4 | 86.986,1 | 7,07 | 8,02 | 28,0 | 29,5 | 3,26 | 6,9 | 108 | 20 | 2,2 | 4,6 | 270 | 16 | Cerah |
| 13 | 7.864,5 | 94.850,6 | 7,26 | 8,20 | 28,0 | 29,5 | 3,25 | 5,8 | 108 | 20 | 2,6 | 4,7 | 488 | 32 | Cerah |
| 14 | 5.478,4 | 100.329,0 | 7,23 | 8,21 | 27,5 | 28,0 | 3,65 | 5,6 | 120 | 18 | 1,8 | 5,1 | 314 | 29 | Cerah |
| 15 | 6.280,9 | 106.609,9 | | | | | | | | | | | | | Hujan |
| 16 | 5.373,5 | 111.983,4 | 7,17 | 8,20 | 28,5 | 29,0 | 4,66 | 5,8 | 155 | 20 | 1,6 | 4,4 | 202 | 25 | Hujan |
| 17 | 10.400,4 | 122.383,8 | 7,10 | 8,02 | 28,0 | 28,5 | 5,74 | 4,7 | 190 | 20 | 1,3 | 4,2 | 587 | 26 | Cerah |
| 18 | 7.051,3 | 129.435,1 | 7,10 | 7,82 | 27,5 | 27,5 | 7,21 | 5,8 | 240 | 19 | 0,6 | 4,0 | 395 | 14 | Cerah |
| 19 | 8.153,4 | 137.588,5 | 7,06 | 8,25 | 28,0 | 28,0 | 8,07 | 5,0 | 260 | 19 | 0,6 | 4,2 | 535 | 21 | Cerah |
| 20 | 5.885,0 | 143.473,5 | 7,17 | 8,22 | 28,0 | 28,0 | 6,55 | 5,0 | 218 | 17 | 0,5 | 5,2 | 412 | 22 | Cerah |
| 21 | 5.478,4 | 148.951,9 | 7,20 | 8,38 | 28,0 | 28,5 | 5,99 | 6,5 | 195 | 18 | 0,7 | 5,4 | 270 | 12 | Cerah |
| 22 | 9.619,3 | 158.571,2 | | | | | | | | | | | | | Cerah |
| 23 | 9.191,3 | 167.762,5 | 7,22 | 8,37 | 28,0 | 29,5 | 3,80 | 4,0 | 120 | 15 | 1,8 | 5,1 | 251 | 17 | Cerah |
| 24 | 9.844,0 | 177.606,5 | 7,13 | 8,13 | 28,0 | 29,0 | 4,40 | 6,0 | 147 | 20 | 1,6 | 4,5 | 516 | 51 | Cerah |
| 25 | 7.372,3 | 184.978,8 | 7,18 | 8,11 | 27,5 | 29,0 | 3,92 | 6,0 | 130 | 20 | 2,4 | 4,1 | 384 | 10 | Cerah |
| 26 | 27.178,0 | 212.156,8 | 7,25 | 8,09 | 28,0 | 29,0 | 6,96 | 5,6 | 232 | 19 | 0,5 | 4,6 | 334 | 17 | Cerah |
| 27 | 8.774,0 | 220.930,8 | 7,15 | 8,27 | 27,5 | 28,5 | 8,80 | 5,6 | 260 | 19 | 0,0 | 4,2 | 1152 | 34 | Cerah |
| 28 | 11.855,6 | 232.786,4 | 7,30 | 8,04 | 27,2 | 28,0 | 3,84 | 6,8 | 128 | 22 | 1,6 | 3,4 | 272 | 46 | Cerah |
| 29 | 13.899,3 | 246.685,7 | | | | | | | | | | | | | Cerah |
| 30 | 10.453,9 | 257.139,6 | 7,15 | 7,54 | 27,5 | 27,5 | 5,96 | 4,4 | 199 | 18 | 1,0 | 4,0 | 427 | 28 | Cerah |
| 31 | 10.689,3 | 267.828,9 | | | | | | | | | | | | | Cerah |

Note

VOLUME AIR MASUK :

| | | |
|-----------|-----------|---------|
| Min | 5.373,5 | m3/hari |
| Max | 27.178,0 | m3/hari |
| Rata-rata | 8.639,6 | m3/hari |
| Total | 267.828,9 | m3/bul |

BOD INLET :

| | | |
|-----------|-------|------|
| Min | 60,0 | mg/l |
| Max | 260,0 | mg/l |
| Rata-rata | 159,6 | mg/l |

BOD OUTLET :

| | | |
|-----------|------|------|
| Min | 15,0 | mg/l |
| Max | 240 | mg/l |
| Rata-rata | 18,9 | mg/l |

Mengetahui

Kepala Unit IPAL



SARJANI, ST

NIP. 110.036.473

| TANGGAL | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|------------------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 Februari 2006 | 7.11 | 7.89 | 28.5 | 28.5 | 384 | 40 | 128 | 15 | 1.3 | 5.1 | 279 | 17 |
| 2 Februari 2006 | 7.30 | 7.70 | 27.5 | 28.0 | 216 | 40 | 88 | 16 | 1.7 | 4.6 | 69 | 11 |
| 3 Februari 2006 | 7.40 | 7.99 | 28.0 | 29.0 | 216 | 40 | 90 | 16 | 1.5 | 4.8 | 627 | 17 |
| 6 Februari 2006 | 7.20 | 7.73 | 27.0 | 28.0 | 884 | 80 | 228 | 24 | 0.7 | 3.6 | 777 | 55 |
| 7 Februari 2006 | 7.05 | 7.58 | 28.5 | 28.5 | 520 | 64 | 175 | 20 | 1.3 | 5.2 | 674 | 18 |
| 8 Februari 2006 | 7.16 | 7.95 | 28.8 | 29.2 | 984 | 64 | 300 | 21 | 0.4 | 4.5 | 679 | 13 |
| 9 Februari 2006 | 7.10 | 7.95 | 28.0 | 28.5 | 248 | 42 | 82 | 14 | 2.5 | 6.0 | 218 | 44 |
| 15 Februari 2006 | 7.27 | 8.58 | 29.0 | 31.0 | 208 | 42 | 70 | 15 | 2.4 | 6.0 | 223 | 21 |
| 18 Februari 2006 | 6.92 | 8.41 | 28.0 | 29.3 | 208 | 40 | 80 | 15 | 1.5 | 6.0 | 157 | 15 |
| 20 Februari 2006 | 7.21 | 8.08 | 27.5 | 29.0 | 688 | 70 | 230 | 20 | 2.0 | 4.5 | 429 | 24 |
| 23 Februari 2006 | 6.89 | 7.82 | 28.8 | 29.8 | 536 | 80 | 178 | 25 | 0.8 | 3.5 | 656 | 25 |
| 25 Februari 2006 | 7.01 | 8.19 | 28.2 | 30.1 | 500 | 64 | 160 | 20 | 1.0 | 5.5 | 300 | 14 |
| 27 Februari 2006 | 6.88 | 8.56 | 28.0 | 29.0 | 400 | 32 | 130 | 11 | 1.4 | 6.0 | 335 | 15 |

DATA VOLUME AIR LIMBAH MASUK BULAN FEBRUARI 2006

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|--------|---------|---------|--------|---------|---------|---------|--------|---------|--------|---------|--------|
| M3/Hari | 9565.8 | 11406.2 | 11673.7 | 6163.2 | 12379.9 | 10839.1 | 13524.8 | 8645.6 | 10881.9 | 7008.5 | 15204.7 | 3595.2 |
| Cuaca | Cerah | Gerimis | Cerah | Hujan | Cerah | Hujan | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|--------|--------|--------|--------|---------|---------|--------|---------|--------|--------|--------|--------|
| M3/Hari | 7470.3 | 7447.2 | 6377.2 | 5970.6 | 10411.1 | 12850.7 | 9180.6 | 10218.5 | 7843.1 | 8699.1 | 7318.8 | 9983.1 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 |
|---------|--------|--------|---------|---------|
| M3/Hari | 7800.3 | 5146.7 | 10229.2 | 13984.9 |
| Cuaca | Cerah | Cerah | Cerah | Cerah |

Mengetahui :
Kepala Unit IPAL



SARJANI.SI
NIP. 110 036 473

Note :

VOLUME AIR MASUK :

| | | |
|-------------|-----------|---------|
| Min | 3,595.2 | m3/hari |
| Max | 15,204.7 | m3/hari |
| Rata - rata | 9,350.7 | m3/hari |
| Total | 261,820.0 | m3/bl |

BOD INLET :

| | | |
|-------------|-------|------|
| Min | 70.0 | mg/l |
| Max | 300.0 | mg/l |
| Rata - rata | 149.2 | mg/l |

BOD OUTLET :

| | | |
|-------------|------|------|
| Min | 11.0 | mg/l |
| Max | 25.0 | mg/l |
| Rata - rata | 17.8 | mg/l |

| TANGGAL | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|---------------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 02 MARET 2006 | 6.98 | 7.67 | 27.9 | 28.8 | 528 | 68 | 176 | 23 | 1.0 | 4.8 | 466 | 24 |
| 04 MARET 2006 | 7.47 | 7.93 | 28.0 | 29.0 | 576 | 70 | 192 | 23 | 1.4 | 3.5 | 357 | 36 |
| 06 MARET 2006 | 7.08 | 7.04 | 27.0 | 27.0 | 200 | 70 | 80 | 22 | 2.0 | 3.5 | 201 | 38 |
| 09 MARET 2006 | 6.86 | 7.39 | 27.0 | 27.8 | 264 | 70 | 88 | 22 | 2.0 | 3.6 | 76 | 31 |
| 11 MARET 2006 | 6.18 | 7.98 | 28.0 | 28.0 | 1.000 | 40 | 300 | 15 | 0.8 | 5.6 | 917 | 48 |
| 13 MARET 2006 | 6.72 | 8.11 | 28.2 | 30.0 | 1.056 | 52 | 300 | 17 | 0.8 | 4.8 | 490 | 16 |
| 16 MARET 2006 | 7.04 | 7.36 | 28.0 | 29.0 | 528 | 56 | 180 | 18 | 1.0 | 5.0 | 263 | 28 |
| 21 MARET 2006 | 6.95 | 7.55 | 28.0 | 28.2 | 200 | 64 | 80 | 22 | 1.5 | 3.5 | 322 | 42 |
| 22 MARET 2006 | 7.27 | 7.65 | 28.0 | 28.8 | 200 | 40 | 76 | 16 | 2.0 | 4.3 | 202 | 14 |
| 23 MARET 2006 | 7.02 | 7.76 | 28.0 | 29.0 | 376 | 40 | 125 | 15 | 1.4 | 5.0 | 117 | 15 |
| 25 MARET 2006 | 7.11 | 7.70 | 28.0 | 28.5 | 600 | 52 | 200 | 17 | 1.2 | 5.0 | 382 | 29 |
| 27 MARET 2006 | 7.01 | 7.85 | 28.0 | 28.5 | 300 | 40 | 100 | 15 | 1.5 | 5.0 | 366 | 32 |
| 29 MARET 2006 | 6.46 | 8.19 | 28.0 | 29.0 | 264 | 56 | 88 | 19 | 2.4 | 4.8 | 133 | 41 |

DATA VOLUME AIR LIMBAH MASUK BULAN MARET 2006

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|--------|---------|--------|--------|----------|---------|---------|---------|--------|--------|--------|
| M3/Hari | 11010.3 | 8153.4 | 15825.3 | 7789.6 | 9640.7 | 12,626.0 | 11977.3 | 9,951.0 | 10336.2 | 9341.1 | 9619.3 | 9180.6 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Gerimis | Cerah | Cerah | Mendung | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|--------|--------|---------|--------|---------|--------|---------|---------|--------|---------|---------|--------|
| M3/Hari | 8335.3 | 9918.9 | 10346.9 | 7928.7 | 10774.9 | 9373.2 | 11160.1 | 14177.5 | 6141.4 | 12872.1 | 11834.2 | 9426.7 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|---------|---------|--------|-------|-------|-------|-------|
| M3/Hari | 13332.2 | 13353.6 | 7552.2 | - | - | - | - |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

Note :

VOLUME AIR MASUK :

Min 7,552.2 m3/hari
 Max 15,825.3 m3/hari
 Rata - rata 10,814.0 m3/hari
 Total 281,978.7 m3/bi

BOD INLET :

Min 76.0 mg/l
 Max 300.0 mg/l
 Rata - rata 152.7 mg/l

BOD OUTLET :

Min 15.0 mg/l
 Max 23.0 mg/l
 Rata - rata 18.8 mg/l

Mengetahui :
Kepala Unit IPAL



SARJANI, ST
NIP. 110 036 473 2

| TANGGAL | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|-----------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 5-Apr-06 | 6.61 | 7.90 | 28.2 | 29.8 | 304 | 52 | 101 | 17 | 1.25 | 5.0 | 132 | 36 |
| 6-Apr-06 | 6.24 | 7.81 | 28.0 | 29.2 | 200 | 40 | 80 | 15 | 1.65 | 5.6 | 124 | 8 |
| 8-Apr-06 | 6.72 | 7.61 | 28.2 | 29.5 | 240 | 44 | 82 | 17 | 1.50 | 5.0 | 105 | 24 |
| 11-Apr-06 | 6.37 | 7.07 | 28.0 | 29.2 | 584 | 64 | 190 | 18 | 1.25 | 5.5 | 324 | 28 |
| 12-Apr-06 | 6.05 | 7.73 | 28.2 | 29.0 | 584 | 40 | 190 | 17 | 1.00 | 5.4 | 359 | 31 |
| 13-Apr-06 | 6.50 | 8.00 | 28.2 | 29.0 | 720 | 32 | 240 | 14 | 1.08 | 6.0 | 163 | 24 |
| 17-Apr-06 | 7.17 | 8.25 | 28.2 | 29.0 | 256 | 56 | 100 | 18 | 1.30 | 5.2 | 163 | 17 |
| 18-Apr-06 | 6.35 | 7.58 | 28.0 | 28.8 | 224 | 64 | 100 | 22 | 1.35 | 4.5 | 170 | 52 |
| 20-Apr-06 | 6.00 | 7.06 | 28.0 | 29.0 | 360 | 52 | 120 | 18 | 1.50 | 5.3 | 272 | 21 |
| 22-Apr-06 | 6.56 | 7.54 | 28.0 | 29.0 | 360 | 52 | 120 | 19 | 1.25 | 4.5 | 193 | 23 |
| 24-Apr-06 | 6.97 | 7.53 | 28.0 | 29.0 | 512 | 40 | 172 | 13 | 0.80 | 5.2 | 588 | 15 |
| 26-Apr-06 | 6.77 | 7.33 | 28.0 | 29.0 | 330 | 46 | 112 | 17 | 1.60 | 5.0 | 187 | 26 |
| 27-Apr-06 | 6.45 | 7.34 | 28.0 | 29.0 | 432 | 40 | 144 | 15 | 1.70 | 5.2 | 244 | 29 |
| 29-Apr-06 | 6.65 | 7.67 | 28.0 | 29.0 | 500 | 32 | 168 | 14 | 0.95 | 5.6 | 324 | 27 |

DATA VOLUME AIR LIMBAH MASUK BULAN APRIL 2006

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|-------|-------|-------|-------|----------|----------|----------|----------|----------|----------|----------|---------|
| M3/Hari | - | - | - | - | 12,658.1 | 16,403.1 | 14,766.0 | 13,803.0 | 13,171.7 | 18,436.1 | 16,167.7 | 9,726.3 |
| Cuaca | Hujan | Hujan | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|----------|----------|
| M3/Hari | 17,569.4 | 14,220.3 | 11,213.6 | 16,017.9 | 13,407.1 | 12,315.7 | 9,747.7 | 13,246.6 | 13,631.8 | 14,584.1 | 11,491.5 | 13,920.7 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 | 29 | 30 |
|---------|----------|----------|----------|----------|----------|---------|
| M3/Hari | 16,028.6 | 12,219.4 | 13,492.7 | 14,166.8 | 11,844.9 | 9,394.6 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

Note :

VOLUME AIR MASUK :

| | |
|-------------|------------------|
| Min | 9,394.6 m3/hari |
| Max | 17,569.4 m3/hari |
| Rata - rata | 13,601.7 m3/hari |
| Total | 353,645.4 m3/bl |

BOD INLET :

| | |
|-------------|------------|
| Min | 80.0 mg/l |
| Max | 240.0 mg/l |
| Rata - rata | 137.1 mg/l |

BOD OUTLET :

| | |
|-------------|-----------|
| Min | 14.0 mg/l |
| Max | 22.0 mg/l |
| Rata - rata | 16.7 mg/l |

Mengetahui :
Kepala Unit IPAL



SARJANI, ST
NIP. 110 036 473

| TANGGAL | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|-------------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 2 Mei 2006 | 7.01 | 7.58 | 29.0 | 29.2 | 456 | 64 | 155 | 21 | 1.00 | 4.0 | 165 | 33 |
| 4 Mei 2006 | 6.86 | 7.90 | 28.0 | 29.0 | 536 | 56 | 178 | 19 | 0.75 | 4.8 | 357 | 29 |
| 6 Mei 2006 | 6.68 | 7.77 | 28.0 | 29.5 | 535 | 62 | 178 | 19 | 0.80 | 5.0 | 432 | 57 |
| 8 Mei 2006 | 6.47 | 7.42 | 28.0 | 29.0 | 648 | 40 | 216 | 15 | 0.60 | 5.5 | 359 | 17 |
| 9 Mei 2006 | 6.88 | 7.80 | 28.5 | 29.5 | 528 | 60 | 176 | 19 | 0.80 | 4.9 | 338 | 28 |
| 10 Mei 2006 | 6.77 | 8.00 | 28.0 | 29.2 | 568 | 42 | 189 | 16 | 0.90 | 5.3 | 400 | 21 |
| 11 Mei 2006 | 6.95 | 7.04 | 28.0 | 29.0 | 230 | 74 | 92 | 22 | 2.20 | 4.0 | 165 | 32 |
| 15 Mei 2006 | 7.30 | 8.17 | 28.0 | 29.0 | 336 | 70 | 112 | 20 | 2.00 | 4.6 | 136 | 17 |
| 16 Mei 2006 | 6.62 | 7.82 | 28.0 | 29.2 | 512 | 48 | 170 | 16 | 0.95 | 5.2 | 390 | 48 |
| 17 Mei 2006 | 6.99 | 7.98 | 28.1 | 29.0 | 568 | 60 | 189 | 19 | 0.75 | 5.0 | 208 | 44 |
| 18 Mei 2006 | 6.60 | 7.16 | 28.0 | 29.5 | 496 | 52 | 165 | 18 | 0.80 | 5.0 | 180 | 14 |
| 20 Mei 2006 | 6.90 | 7.34 | 28.0 | 29.0 | 496 | 72 | 165 | 24 | 0.75 | 3.0 | 342 | 19 |
| 22 Mei 2006 | 7.45 | 7.27 | 28.0 | 28.8 | 408 | 70 | 140 | 23 | 0.80 | 3.3 | 314 | 10 |

DATA VOLUME AIR LIMBAH MASUK BULAN MEI 2006

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|----------|----------|---------|----------|----------|---------|----------|---------|---------|----------|----------|----------|
| M3/Hari | 14,947.9 | 16,146.3 | 9,587.2 | 13,214.5 | 12,101.7 | 7,104.2 | 10,646.5 | 9,929.6 | 8,752.6 | 15,151.2 | 12,508.3 | 15,600.6 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|----------|---------|---------|---------|----------|---------|---------|----------|----------|----------|---------|----------|
| M3/Hari | 12,208.7 | 7,800.3 | 9,073.6 | 8,709.8 | 10,486.0 | 6,601.9 | 7,789.6 | 16,381.7 | 10,293.4 | 11,363.4 | 9,030.8 | 11,898.4 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|----------|----------|------------|-------|-------|-------|-------|
| M3/Hari | 10,625.1 | 11,170.8 | gempa bumi | | | | |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

Note :

VOLUME AIR MASUK :

| | | |
|-------------|-----------|---------|
| Min | 7,800.3 | m3/hari |
| Max | 16,381.7 | m3/hari |
| Rata - rata | 11,120.2 | m3/hari |
| Total | 289,124.1 | m3/bl |

BOD INLET :

| | | |
|-------------|-------|------|
| Min | 92.0 | mg/l |
| Max | 216.0 | mg/l |
| Rata - rata | 163.5 | mg/l |

BOD OUTLET :

| | | |
|-------------|------|------|
| Min | 15.0 | mg/l |
| Max | 24.0 | mg/l |
| Rata - rata | 19.0 | mg/l |

Mengetahui :
Kepala Unit IPAL

SARJANI, ST
NIP. 110 036 473

BULAN JUNI 2006

| TANGGAL | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|------------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 13 Juni 06 | 7.10 | 8.27 | 28 | 29.0 | 272 | 40 | 100 | 15 | 1.60 | 5.2 | | |
| 14 Juni 06 | 6.85 | 7.90 | 28 | 28.5 | 400 | 54 | 140 | 18 | 0.70 | 4.8 | | |
| 15 Juni 06 | 6.97 | 8.24 | 27 | 28.0 | 520 | 48 | 170 | 15 | 0.85 | 5.4 | | |
| 17 Juni 06 | 6.48 | 7.86 | 28 | 28.0 | 192 | 48 | 80 | 17 | 1.20 | 4.2 | | |
| 20 Juni 06 | 6.93 | 7.58 | 28 | 28.0 | 890 | 74 | 296 | 20 | 0.90 | 4.0 | | |
| 21 Juni 06 | 7.06 | 7.81 | 28 | 28.0 | 328 | 72 | 110 | 23 | 1.80 | 3.8 | | |
| 22 Juni 06 | 6.64 | 8.09 | 28 | 28.0 | 238 | 54 | 80 | 20 | 2.90 | 3.8 | | |
| 24 Juni 06 | 7.08 | 7.85 | 27 | 27.5 | 138 | 54 | 46 | 20 | 3.00 | 4.6 | | |
| 26 Juni 06 | 7.12 | 8.30 | 27 | 27.0 | 192 | 54 | 70 | 20 | 2.00 | 4.9 | | |
| 27 Juni 06 | 7.06 | 8.76 | 27 | 27.0 | 361 | 61 | 120 | 21 | 1.80 | 4.0 | | |
| 28 Juni 06 | 7.22 | 8.33 | 27 | 27.0 | 492 | 30 | 164 | 14 | 1.20 | 5.2 | | |
| 29 Juni 06 | 7.05 | 8.05 | 27 | 27.0 | 476 | 54 | 158 | 17 | 1.00 | 5.0 | | |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL
BULAN JUNI 2006

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|---------|
| M3/Hari | - | - | - | - | - | - | - | - | - | - | 10,239.9 | 8,527.9 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 8,431.6 | 6,056.2 | 9,298.3 | 7,586.3 | 7,532.8 | 8,281.8 | 6,719.6 | 6,559.1 | 7,907.3 | 7,971.5 | 5,103.9 | 7,811.0 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 | 29 | 30 |
|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 6,773.1 | 7,810.0 | 7,982.2 | 7,768.2 | 7,276.0 | 8,089.2 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

Note:

VOLUME AIR MASUK :

| | | |
|-------------|-----------|---------|
| Min | 5,103.9 | m3/hari |
| Max | 10,239.9 | m3/hari |
| Rata - rata | 7,686.3 | m3/hari |
| Total | 153,725.9 | m3/bi |

BOD INLET :

| | | |
|-------------|-------|------|
| Min | 46.0 | mg/l |
| Max | 296.0 | mg/l |
| Rata - rata | 127.8 | mg/l |

BOD OUTLET :

| | | |
|-------------|------|------|
| Min | 14.0 | mg/l |
| Max | 23.0 | mg/l |
| Rata - rata | 18.3 | mg/l |

Mengetahui :
Kepala Unit IPAL

SARJANI, ST
NIP. 110 036 473

Ket : SS tidak dianalisa karena alat / desicator pecah kena gempa bumi

| TANGGAL | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|------------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 03 Juli 06 | 7.00 | 7.85 | 27.5 | 27.5 | 338 | 58 | 110 | 24 | 1.8 | 4.5 | - | - |
| 04 Juli 06 | 6.42 | 7.41 | 28 | 28 | 317 | 58 | 106 | 20 | 1.6 | 3.8 | - | - |
| 05 Juli 06 | 6.53 | 8.03 | 27 | 27.5 | 216 | 58 | 72 | 21 | 2.1 | 3.7 | - | - |
| 06 Juli 06 | 6.88 | 7.34 | 27 | 27.3 | 500 | 50 | 166 | 19 | 1.2 | 3.4 | - | - |
| 08 Juli 06 | 7.00 | 7.50 | 27 | 26.0 | 317 | 72 | 110 | 24 | 1.2 | 2.8 | - | - |
| 10 Juli 06 | 6.13 | 7.15 | 27 | 26.5 | 382 | 72 | 127 | 24 | 1.7 | 2.9 | - | - |
| 11 Juli 06 | 6.92 | 7.38 | 27 | 27.5 | 152 | 44 | 65 | 16 | 1.5 | 3.2 | - | - |
| 12 Juli 06 | 6.75 | 7.22 | 27 | 26.9 | 136 | 50 | 62 | 18 | 1.2 | 2.5 | - | - |
| 13 Juli 06 | 6.96 | 7.28 | 27 | 27.0 | 432 | 69 | 144 | 23 | 1.6 | 2.5 | - | - |
| 15 Juli 06 | 6.91 | 7.24 | 26 | 25.5 | 864 | 40 | 288 | 15 | 0 | 2.5 | - | - |
| 17 Juli 06 | 6.96 | 7.60 | 27 | 26.3 | 592 | 40 | 197 | 15 | 1.7 | 4.0 | - | - |
| 18 Juli 06 | 6.85 | 8.20 | 27 | 26.9 | 304 | 48 | 101 | 16 | 1.3 | 5.3 | - | - |
| 19 Juli 06 | 6.97 | 8.16 | 27 | 27.0 | 384 | 40 | 128 | 15 | 1.2 | 5.1 | - | - |
| 20 Juli 06 | 7.02 | 8.32 | 27 | 27.0 | 600 | 40 | 200 | 15 | 0.8 | 5.1 | - | - |
| 22 Juli 06 | 7.12 | 8.21 | 27 | 27.0 | 544 | 80 | 181 | 27 | 1.3 | 4.6 | - | - |
| 24 Juli 06 | 7.21 | 8.18 | 28 | 27.0 | 720 | 48 | 240 | 16 | 0 | 4.4 | - | - |
| 25 Juli 06 | 7.03 | 8.01 | 28 | 27.5 | 840 | 64 | 280 | 21 | 0 | 4.7 | - | - |
| 26 Juli 06 | 7.00 | 7.94 | 28 | 27.3 | 720 | 40 | 240 | 15 | 0 | 3.4 | - | - |
| 27 Juli 06 | 7.07 | 8.24 | 27 | 27.5 | 176 | 48 | 62 | 16 | 1.4 | 4.5 | - | - |
| 29 Juli 06 | 7.10 | 8.24 | 28 | 28.3 | 312 | 48 | 104 | 16 | 1.8 | 4.2 | - | - |
| 31 Juli 06 | 6.90 | 7.82 | 28 | 28.0 | 280 | 48 | 93 | 16 | 1.4 | 3.8 | - | - |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN JULI 2006

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| M3/Hari | 5,510.5 | 6,141.8 | 6,741.0 | 6,997.8 | 5,874.3 | 8,121.3 | 7,329.5 | 6,345.1 | 8,388.8 | 5,275.1 | 10,796.3 | 6,516.3 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 7,415.1 | 10,785.6 | 7,158.3 | 6,141.8 | 7,992.9 | 5,703.1 | 4,494.0 | 7,447.2 | 6,848.0 | 6,152.5 | 5,307.2 | 5,756.6 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 6,056.2 | 5,200.2 | 6,173.9 | 5,424.9 | 5,371.4 | 4,568.9 | 6,805.2 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

Note :

VOLUME AIR MASUK :

| | | |
|-------------|-----------|---------|
| Min | 5,200.2 | m3/hari |
| Max | 10,796.3 | m3/hari |
| Rata - rata | 6,607.8 | m3/hari |
| Total | 204,840.8 | m3/bi |

BOD INLET :

| | | |
|-------------|-------|------|
| Min | 62 | mg/l |
| Max | 288 | mg/l |
| Rata - rata | 148.3 | mg/l |

BOD OUTLET :

| | | |
|-------------|------|------|
| Min | 16 | mg/l |
| Max | 27 | mg/l |
| Rata - rata | 18.4 | mg/l |

Mengetahui :
Kepala Unit IPAL

SARJANI, ST
NIP. 110 036 473.

Ket : SS tidak dianalisa karena alat / desicator pecah kena gempa bumi

| TANGGAL | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|-------------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 01 Agust 06 | 7.18 | 8.38 | 27.0 | 27.8 | 644 | 56 | 215 | 19 | 0.6 | 4.7 | - | - |
| 02 Agust 06 | 6.97 | 8.28 | 27.0 | 27.2 | 160 | 80 | 53 | 27 | 1.8 | 4.4 | - | - |
| 03 Agust 06 | 7.06 | 8.49 | 26.9 | 27.3 | 160 | 40 | 53 | 13 | 1.8 | 5.0 | - | - |
| 08 Agust 06 | 7.11 | 8.40 | 26.0 | 26.2 | 192 | 88 | 64 | 29 | 1.8 | 4.5 | - | - |
| 09 Agust 06 | 7.23 | 8.12 | 25.6 | 26.0 | 592 | 64 | 197 | 21 | 1.4 | 5.8 | - | - |
| 10 Agust 06 | 7.27 | 8.68 | 25.8 | 26.0 | 184 | 56 | 61 | 19 | 1.8 | 4.8 | - | - |
| 12 Agust 06 | 7.37 | 8.72 | 26.0 | 26.1 | 584 | 56 | 195 | 19 | 1.6 | 4.8 | - | - |
| 14 Agust 06 | 7.26 | 8.63 | 26.4 | 26.6 | 160 | 80 | 53 | 27 | 1.5 | 4.3 | - | - |
| 15 Agust 06 | 7.24 | 8.60 | 26.1 | 27.0 | 440 | 72 | 147 | 24 | 1.2 | 4.7 | - | - |
| 16 Agust 06 | 7.26 | 8.52 | 25.0 | 26.4 | 152 | 48 | 51 | 16 | 1.6 | 4.7 | - | - |
| 22 Agust 06 | 7.17 | 8.29 | 26.9 | 28.1 | 152 | 40 | 51 | 13 | 1.4 | 3.6 | - | - |
| 24 Agust 06 | 7.16 | 8.34 | 27.1 | 27.1 | 496 | 40 | 165 | 13 | 0.5 | 4.0 | - | - |
| 28 Agust 06 | 7.12 | 8.53 | 25.4 | 26.0 | 688 | 64 | 230 | 21 | 0.4 | 4.4 | - | - |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL
BULAN AGUSTUS 2006

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 6,516.3 | 4,932.7 | 5,745.9 | 4,494.0 | 5,842.2 | 4,750.8 | 6,251.2 | 3,862.7 | 4,911.3 | 5,671.0 | 5,146.9 | 5,007.6 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 4,922.0 | 5,467.7 | 4,686.6 | 4,536.8 | 5,564.0 | 5,745.9 | 4,322.8 | 5,275.1 | 5,210.9 | 5,168.1 | 5,521.2 | 5,992.0 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 5,671.0 | 6,163.2 | 3,884.1 | 3,862.7 | 5,703.1 | 5,649.6 | 3,959.0 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

Note :

VOLUME AIR MASUK :

| | | |
|-------------|-----------|---------|
| Min | 3,862.7 | m3/hari |
| Max | 6,516.3 | m3/hari |
| Rata - rata | 5,175.4 | m3/hari |
| Total | 160,438.4 | m3/bl |

BOD INLET :

| | | |
|-------------|-------|------|
| Min | 51 | mg/l |
| Max | 230 | mg/l |
| Rata - rata | 118.1 | mg/l |

BOD OUTLET :

| | | |
|-------------|------|------|
| Min | 13 | mg/l |
| Max | 29 | mg/l |
| Rata - rata | 20.1 | mg/l |

Mengetahui :
Kepala Unit IPAL

SARJANI, S.I.
NIP. 110 036 473

Ket : SS tidak dianalisa karena alat / desicator pecah kena gempa bumi

BULAN SEPTEMBER 2006

| TANGGAL | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|-----------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1-Sep-06 | 7.37 | 8.51 | 27.0 | 27.5 | 240 | 56 | 80 | 19 | 1.2 | 4.4 | - | - |
| 4-Sep-06 | 7.39 | 8.63 | 27.0 | 27.0 | 264 | 64 | 88 | 21 | 1.6 | 4.6 | - | - |
| 5-Sep-06 | 7.33 | 8.79 | 26.0 | 26.5 | 304 | 80 | 102 | 27 | 0.9 | 4.8 | - | - |
| 6-Sep-06 | 7.31 | 8.58 | 27.5 | 27.5 | 328 | 80 | 110 | 27 | 0.3 | 4.5 | - | - |
| 7-Sep-06 | 7.36 | 8.67 | 27.0 | 27.0 | 528 | 72 | 176 | 24 | 0.9 | 4.3 | - | - |
| 9-Sep-06 | 7.36 | 8.83 | 26.0 | 27.0 | 192 | 72 | 64 | 24 | 1.3 | 5.2 | - | - |
| 11-Sep-06 | 7.19 | 8.45 | 25.0 | 28.0 | 736 | 56 | 245 | 19 | 0.2 | 4.6 | - | - |
| 12-Sep-06 | 7.38 | 8.56 | 27.8 | 28.0 | 440 | 64 | 147 | 21 | 1.6 | 3.6 | - | - |
| 13-Sep-06 | 7.21 | 8.68 | 26.0 | 29.0 | 192 | 48 | 64 | 16 | 1.2 | 3.9 | - | - |
| 14-Sep-06 | 7.41 | 8.49 | 27.5 | 28.0 | 728 | 40 | 244 | 13 | 0.2 | 6.0 | - | - |
| 16-Sep-06 | 7.34 | 8.56 | 28.0 | 28.0 | 376 | 48 | 125 | 16 | 1.8 | 4.5 | - | - |
| 18-Sep-06 | 7.25 | 8.75 | 27.0 | 27.0 | 312 | 56 | 104 | 19 | 1.2 | 4.3 | - | - |
| 19-Sep-06 | 7.16 | 8.85 | 27.5 | 28.5 | 872 | 40 | 291 | 14 | 0 | 4.6 | - | - |
| 20-Sep-06 | 7.48 | 8.69 | 27.5 | 28.0 | 264 | 56 | 88 | 19 | 0.8 | 4.4 | - | - |
| 21-Sep-06 | 7.50 | 8.84 | 27.0 | 27.0 | 160 | 32 | 53 | 11 | 1.2 | 4.8 | - | - |
| 23-Sep-06 | 7.51 | 8.80 | 27.0 | 27.5 | 608 | 24 | 203 | 8 | 0.6 | 5.4 | - | - |
| 25-Sep-06 | 7.41 | 8.80 | 27.5 | 28.0 | 320 | 24 | 107 | 11 | 1.3 | 5.6 | - | - |
| 26-Sep-06 | 7.44 | 8.27 | 27.0 | 28.0 | 320 | 32 | 107 | 11 | 1.6 | 5.6 | - | - |
| 27-Sep-06 | 7.44 | 8.78 | 28.0 | 27.0 | 160 | 32 | 55 | 11 | 1.2 | 5.4 | - | - |
| 28-Sep-06 | 7.22 | 8.60 | 27.5 | 28.5 | 360 | 40 | 120 | 13 | 1.2 | 5.0 | - | - |
| 30-Sep-06 | 7.09 | 8.48 | 27.0 | 28.0 | 500 | 24 | 200 | 8 | 0.4 | 5.8 | - | - |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BLN SEPTEMBER 2006

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 4,258.6 | 5,093.2 | 3,937.6 | 4,44.6 | 4,729.4 | 4,237.2 | 3,991.1 | 4,740.1 | 5,029.0 | 4,173.0 | 4,750.8 | 3,734.3 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 4,429.8 | 3,541.7 | 4,590.2 | 3,466.8 | 4,236.8 | 3,659.4 | 3,477.5 | 4,076.7 | 3,520.3 | 3,916.2 | 3,349.1 | 2,782.0 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 | 29 | 30 |
|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 5,660.3 | 4,665.2 | 2,985.3 | 4,547.5 | 3,787.8 | 5,467.7 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

Note :

VOLUME AIR MASUK :

| | | |
|-------------|-----------|---------|
| Min | 2,782.0 | m3/hari |
| Max | 5,660.3 | m3/hari |
| Rata - rata | 4,027.8 | m3/hari |
| Total | 120,834.6 | m3/bl |

BOD INLET :

| | | |
|-------------|-------|------|
| Min | 55 | mg/l |
| Max | 291 | mg/l |
| Rata - rata | 132.0 | mg/l |

BOD OUTLET :

| | | |
|-------------|------|------|
| Min | 8 | mg/l |
| Max | 27 | mg/l |
| Rata - rata | 16.8 | mg/l |

Mengetahui :
Kepala Unit IPAL



SARJANI, ST
NIP. 110 036 473

Ket : SS tidak dianalisa karena alat / desicator pecah kena gempa bumi

DATA KUALITAS AIR LIMBAH IPAL BANTUL
BULAN OKTOBER 2006

| TANGGAL | pH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|-----------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 2 Okt 06 | 6.78 | 8.32 | 27.0 | 27.5 | 272 | 56 | 91 | 19 | 1.8 | 4.0 | - | - |
| 3 Okt 06 | 6.64 | 8.36 | 27.0 | 28.5 | 232 | 64 | 77 | 21 | 2.0 | 4.7 | - | - |
| 4 Okt 06 | 6.50 | 7.90 | 27.0 | 28.5 | 264 | 32 | 88 | 11 | 1.7 | 5.2 | - | - |
| 7 Okt 06 | 6.72 | 8.03 | 27.0 | 28.0 | 832 | 48 | 277 | 16 | 0 | 4.6 | - | - |
| 9 Okt 06 | 6.70 | 8.11 | 27.0 | 29.0 | 176 | 72 | 59 | 24 | 2.2 | 4.8 | - | - |
| 10 Okt 06 | 6.65 | 8.14 | 27.0 | 29.0 | 456 | 40 | 152 | 13 | 1.6 | 5.4 | - | - |
| 11 Okt 06 | 6.52 | 7.79 | 28.0 | 29.5 | 936 | 40 | 312 | 13 | 0 | 6.0 | - | - |
| 12 Okt 06 | 6.76 | 8.24 | 28.0 | 30.0 | 600 | 56 | 200 | 19 | 0.2 | 5.2 | - | - |
| 14 Okt 06 | 6.56 | 7.85 | 28.0 | 27.5 | 880 | 40 | 293 | 13 | 0 | 5.4 | - | - |
| 16 Okt 06 | 6.70 | 8.03 | 28.0 | 29.0 | 208 | 56 | 70 | 19 | 1.3 | 5.8 | - | - |
| 17 Okt 06 | 6.61 | 7.90 | 28.0 | 29.0 | 336 | 56 | 112 | 19 | 1.5 | 5.6 | - | - |
| 18 Okt 06 | 6.78 | 7.90 | 28.0 | 29.0 | 320 | 48 | 107 | 16 | 1.6 | 6.4 | - | - |
| 19 Okt 06 | 6.56 | 7.95 | 28.0 | 29.0 | 328 | 40 | 109 | 13 | 1.0 | 6.0 | - | - |
| 21 Okt 06 | 6.60 | 8.02 | 28.0 | 29.0 | 232 | 40 | 77 | 13 | 1.6 | 6.0 | - | - |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL
BULAN OKTOBER 2006

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 4,515.4 | 4,708.0 | 11,898.4 | 8,285.8 | 5,029.0 | 4,772.2 | 4,922.0 | 4,836.4 | 4,547.5 | 5,788.7 | 3,873.4 | 4,515.4 |
| Guaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 4,986.2 | 4,151.6 | 4,344.2 | 4,579.6 | 4,996.9 | 4,868.5 | 4,066.0 | 4,322.8 | 4,151.6 | 4,461.9 | 4,001.8 | 3,809.2 |
| Guaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 4,451.2 | 5,029.0 | 4,194.4 | 3,969.7 | 2,129.3 | 3,509.6 | 3,787.8 |
| Guaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

Note :

VOLUME AIR MASUK :

| | | |
|-------------|-----------|---------|
| Min | 2,129.3 | m3/hari |
| Max | 11,989.4 | m3/hari |
| Rata - rata | 4,758.2 | m3/hari |
| Total | 147,503.5 | m3/bi |

BOD INLET :

| | | |
|-------------|-------|------|
| Min | 59 | mg/l |
| Max | 312 | mg/l |
| Rata - rata | 144.6 | mg/l |

BOD OUTLET :

| | | |
|-------------|------|------|
| Min | 11 | mg/l |
| Max | 24 | mg/l |
| Rata - rata | 16.4 | mg/l |

Mengetahui :
Kepala Unit IPAL



SARJANI, ST
NIP. 110 036 473

Ket : SS tidak dianalisa karena alat / desicator pecah kena gempa bumi

BULAN NOPEMBER 2006

| TANGGAL | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|-----------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 6 Nop 06 | 6.69 | 8.42 | 28.0 | 29.0 | 304 | 64 | 102 | 21 | 0.8 | 4.8 | - | - |
| 7 Nop 06 | 6.55 | 8.30 | 28.0 | 29.0 | 320 | 40 | 107 | 13 | 1.0 | 5.4 | - | - |
| 8 Nop 06 | 6.94 | 8.76 | 28.0 | 29.0 | 304 | 48 | 102 | 16 | 0.7 | 5.0 | - | - |
| 9 Nop 06 | 6.80 | 7.23 | 28.0 | 28.5 | 312 | 48 | 104 | 16 | 0.9 | 5.0 | - | - |
| 13 Nop 06 | 7.23 | 8.77 | 29.0 | 31.0 | 408 | 40 | 136 | 13 | 1.6 | 4.7 | - | - |
| 14 Nop 06 | 6.57 | 8.04 | 29.0 | 30.0 | 736 | 48 | 245 | 16 | 0.2 | 5.6 | - | - |
| 15 Nop 06 | 6.59 | 8.30 | 28.0 | 30.0 | 360 | 40 | 120 | 13 | 0.8 | 5.5 | - | - |
| 16 Nop 06 | 6.63 | 8.30 | 29.0 | 30.0 | 288 | 48 | 96 | 16 | 1.8 | 5.4 | - | - |
| 18 Nop 06 | 6.49 | 8.08 | 28.0 | 30.0 | 640 | 40 | 213 | 13 | 1.8 | 6.2 | - | - |
| 20 Nop 06 | 6.50 | 8.39 | 29.0 | 31.0 | 680 | 40 | 227 | 13 | 1.2 | 6.0 | - | - |
| 21 Nop 06 | 6.58 | 8.09 | 28.0 | 30.0 | 288 | 40 | 96 | 13 | 1.5 | 6.2 | - | - |
| 22 Nop 06 | 6.42 | 8.16 | 28.0 | 31.0 | 376 | 64 | 125 | 21 | 1.7 | 4.6 | - | - |
| 23 Nop 06 | 6.40 | 8.14 | 28.5 | 31.0 | 336 | 48 | 112 | 16 | 1.0 | 5.2 | - | - |
| 25 Nop 06 | 6.45 | 8.15 | 28.5 | 31.0 | 352 | 56 | 117 | 19 | 0.6 | 4.2 | - | - |
| 27 Nop 06 | 6.28 | 8.06 | 28.5 | 31.0 | 376 | 56 | 125 | 19 | 0.8 | 4.4 | - | - |
| 28 Nop 06 | 6.45 | 7.96 | 28.5 | 30.0 | 864 | 72 | 288 | 24 | 0 | 4.8 | - | - |
| 29 Nop 06 | 6.58 | 8.03 | 28.5 | 31.0 | 352 | 72 | 117 | 24 | 2.0 | 4.6 | - | - |
| 30 Nop 06 | 6.63 | 7.94 | 29.0 | 30.0 | 328 | 64 | 109 | 21 | 1.4 | 5.0 | - | - |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN NOPEMBER 2006

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 4,408.4 | 4,247.9 | 4,615.7 | 4,536.8 | 4,354.9 | 4,472.6 | 5,210.9 | 4,761.5 | 4,001.8 | 6,216.7 | 3,081.6 | 6,066.9 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 5,168.1 | 4,911.3 | 4,226.5 | 4,643.8 | 4,601.0 | 5,093.2 | 4,911.3 | 4,761.5 | 2,535.9 | 4,151.6 | 4,087.4 | 5,660.3 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 | 29 | 30 |
|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 5,071.8 | 4,194.4 | 4,376.3 | 5,745.9 | 5,371.4 | 3,862.7 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

Note:
VOLUME AIR MASUK :

| | | |
|-------------|-----------|---------|
| Min | 2,535.9 | m3/hari |
| Max | 6,216.7 | m3/hari |
| Rata - rata | 4,645.0 | m3/hari |
| Total | 139,350.1 | m3/bi |

BOD INLET :

| | | |
|-------------|-------|------|
| Min | 96 | mg/l |
| Max | 288 | mg/l |
| Rata - rata | 141.2 | mg/l |

BOD OUTLET :

| | | |
|-------------|------|------|
| Min | 13 | mg/l |
| Max | 24 | mg/l |
| Rata - rata | 17.1 | mg/l |

Mengetahui :
 Kepala Unit IPAL

SARJANI, ST
 NIP. 110 036 473

Ket : SS tidak dianalisa karena alat / desicator pecah kena gempa bumi

BULAN : DESEMBER 2006

| TANGGAL | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|------------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 2 Desb 06 | 6.34 | 7.88 | 28.5 | 30.5 | 320 | 48 | 107 | 16 | 1.6 | 5.4 | - | - |
| 4 Desb 06 | 6.70 | 8.31 | 28.5 | 30.0 | 280 | 48 | 93 | 16 | 2.0 | 5.0 | - | - |
| 6 Desb 06 | 6.34 | 8.06 | 28.0 | 30.0 | 880 | 40 | 293 | 13 | 0 | 6.4 | - | - |
| 7 Desb 06 | 6.18 | 7.68 | 28.0 | 30.0 | 480 | 40 | 160 | 13 | 1.0 | 6.4 | - | - |
| 9 Desb 06 | 6.33 | 8.21 | 28.5 | 31.0 | 560 | 64 | 187 | 21 | 0.8 | 5.0 | - | - |
| 11 Desb 06 | 6.43 | 7.88 | 28.0 | 29.0 | 360 | 56 | 120 | 19 | 2.0 | 4.8 | - | - |
| 12 Desb 06 | 6.35 | 7.73 | 28.0 | 30.0 | 280 | 40 | 93 | 14 | 1.6 | 5.4 | - | - |
| 13 Desb 06 | 6.45 | 7.83 | 27.5 | 28.5 | 352 | 40 | 117 | 14 | 1.0 | 5.4 | - | - |
| 14 Desb 06 | 6.65 | 7.84 | 28.0 | 30.0 | 616 | 72 | 205 | 24 | 0.4 | 4.6 | - | - |
| 16 Desb 06 | 6.42 | 7.79 | 27.5 | 29.5 | 336 | 56 | 112 | 20 | 1.0 | 5.0 | - | - |
| 18 Desb 06 | 6.35 | 7.70 | 28.0 | 30.5 | 296 | 40 | 100 | 13 | 2.0 | 6.2 | - | - |
| 19 Desb 06 | 6.43 | 7.68 | 27.0 | 30.0 | 516 | 40 | 125 | 14 | 1.2 | 5.4 | - | - |
| 20 Desb 06 | 6.37 | 7.74 | 28.0 | 30.0 | 344 | 48 | 115 | 16 | 1.4 | 6.0 | - | - |
| 21 Desb 06 | 6.33 | 7.50 | 27.0 | 30.0 | 536 | 40 | 179 | 14 | 0.8 | 6.0 | - | - |
| 27 Desb 06 | 6.26 | 7.40 | 28.0 | 29.0 | 544 | 48 | 182 | 16 | 1.6 | 4.8 | - | - |
| 28 Desb 06 | 6.18 | 7.48 | 28.0 | 30.0 | 600 | 64 | 200 | 21 | 0.2 | 4.6 | - | - |
| 29 Desb 06 | 6.45 | 7.34 | 28.0 | 29.0 | 360 | 40 | 120 | 14 | 1.5 | 5.8 | - | - |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL

BULAN : DESEMBER 2006

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 4,429.8 | 4,568.9 | 3,873.4 | 5,895.7 | 4,729.4 | 4,943.4 | 6,120.4 | 3,948.3 | 5,210.9 | 4,622.4 | 3,605.9 | 6,184.6 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 6,965.7 | 3,381.2 | 7,051.3 | 6,420.0 | 5,264.4 | 5,863.6 | 4,151.6 | 7,586.3 | 6,741.0 | 5,649.6 | 5,446.3 | 4,665.2 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 4,203.5 | 4,943.4 | 7,350.9 | 8,485.1 | 4,183.7 | 6,698.2 | 8,410.2 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Hujan | Cerah |

Note :

VOLUME AIR MASUK :

| | | |
|-------------|-----------|---------|
| Min | 3,381.2 | m3/hari |
| Max | 8,485.1 | m3/hari |
| Rata - rata | 5,535.3 | m3/hari |
| Total | 171,594.3 | m3/bl |

BOD INLET :

| | | |
|-------------|-------|------|
| Min | 93 | mg/l |
| Max | 293 | mg/l |
| Rata - rata | 147.5 | mg/l |

BOD OUTLET :

| | | |
|-------------|------|------|
| Min | 13 | mg/l |
| Max | 24 | mg/l |
| Rata - rata | 16.4 | mg/l |

Mengetahui :
Kepala Unit IPAL



SARJANI, ST
NIP. 110 036 473

Ket : SS tidak dianalisa karena alat / desicator pecah kena gempa bumi

| TANGGAL | PH | | Suhu (C) | | COD (mg/l) | | BOD (mg/l) | | DO (mg/l) | | SS (mg/l) | |
|-----------|------|------|----------|------|------------|-----|------------|-----|-----------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 2-Jan-07 | 6.16 | 7.33 | 27.5 | 28.0 | 272 | 56 | 100 | 18 | 1.3 | 5.8 | - | - |
| 3-Jan-07 | 6.24 | 7.18 | 27.5 | 27.5 | 448 | 32 | 149 | 11 | 1.6 | 6.0 | - | - |
| 4-Jan-07 | 6.29 | 7.43 | 27.5 | 28.0 | 464 | 40 | 154 | 13 | 0.8 | 6.0 | - | - |
| 6-Jan-07 | 6.40 | 7.35 | 28.5 | 29.5 | 280 | 32 | 93 | 10 | 2.0 | 6.2 | - | - |
| 8-Jan-07 | 6.43 | 7.77 | 26.5 | 28.5 | 320 | 48 | 106 | 16 | 2.0 | 6.0 | - | - |
| 9-Jan-07 | 6.36 | 7.75 | 27.5 | 28.5 | 296 | 40 | 99 | 13 | 2.4 | 6.2 | - | - |
| 10-Jan-07 | 6.27 | 7.87 | 27.5 | 29.0 | 280 | 40 | 93 | 13 | 2.2 | 5.8 | - | - |
| 11-Jan-07 | 6.24 | 7.58 | 28.0 | 29.0 | 304 | 48 | 101 | 16 | 2.4 | 5.6 | - | - |
| 13-Jan-07 | 6.45 | 7.80 | 28.0 | 29.0 | 736 | 48 | 245 | 16 | 1.2 | 5.8 | - | - |
| 15-Jan-07 | 6.27 | 7.53 | 28.0 | 29.0 | 880 | 64 | 293 | 21 | 0.2 | 6.2 | - | - |
| 16-Jan-07 | 6.25 | 7.55 | 28.0 | 29.0 | 320 | 32 | 107 | 11 | 2.0 | 6.0 | - | - |
| 17-Jan-07 | 6.29 | 7.40 | 27.5 | 29.0 | 792 | 72 | 264 | 24 | 0.4 | 5.8 | - | - |
| 18-Jan-07 | 6.43 | 7.81 | 27.5 | 28.5 | 632 | 56 | 210 | 19 | 2.1 | 4.2 | - | - |
| 22-Jan-07 | 6.61 | 7.42 | 27.5 | 28.0 | 888 | 32 | 296 | 12 | 0.3 | 4.0 | - | - |
| 23-Jan-07 | 6.29 | 7.31 | 27.5 | 29.0 | 1,120 | 32 | -373 | 11 | 0 | 4.7 | - | - |
| 24-Jan-07 | 6.17 | 7.97 | 28.0 | 28.5 | 832 | 32 | 275 | 11 | 0.6 | 4.7 | - | - |
| 25-Jan-07 | 6.41 | 7.92 | 27.5 | 27.5 | 592 | 40 | 197 | 13 | 1.1 | 5.0 | - | - |
| 27-Jan-07 | 6.22 | 8.03 | 28.5 | 29.0 | 880 | 32 | 293 | 11 | 0 | 6.4 | - | - |
| 29-Jan-07 | 6.80 | 7.28 | 28.0 | 30.5 | 248 | 40 | 83 | 11 | 1.6 | 6.0 | - | - |
| 30-Jan-07 | 6.77 | 7.50 | 28.0 | 29.0 | 256 | 32 | 86 | 12 | 2.2 | 5.2 | - | - |
| 31-Jan-07 | 6.54 | 7.45 | 28.0 | 29.5 | 376 | 40 | 125 | 13 | 2.0 | 5.0 | - | - |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN JANUARI 2007

| Tanggal | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 7,104.8 | 6,689.9 | 4,954.1 | 4,140.9 | 5,018.3 | 7,147.6 | 5,874.3 | 7,885.9 | 4,151.4 | 7,126.2 | 4,536.5 | 6,612.6 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 5,221.6 | 6,013.4 | 4,574.6 | 4,761.5 | 5,745.9 | 3,263.5 | 4,932.7 | 4,922.0 | 5,043.2 | 7,233.2 | 6,313.0 | 4,836.4 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah | Cerah |

| Tanggal | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| M3/Hari | 5,703.1 | 4,761.5 | 5,114.6 | 4,119.5 | 6,612.6 | 4,792.4 | 6,163.2 |
| Cuaca | Cerah | Cerah | Cerah | Cerah | Cerah | Hujan | Cerah |

VOLUME AIR MASUK :

| | | |
|-----------|-----------|---------|
| Min | 3,263.5 | m3/hari |
| Max | 7,885.9 | m3/hari |
| Rata-rata | 5,528.1 | m3/hari |
| Total | 171,370.4 | m3/bl |

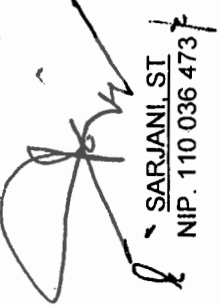
BOD INLET :

| | | |
|-----------|-------|------|
| Min | 83 | mg/l |
| Max | 373 | mg/l |
| Rata-rata | 178.2 | mg/l |

BOD OUTLET :

| | | |
|-----------|------|------|
| Min | 11 | mg/l |
| Max | 24 | mg/l |
| Rata-rata | 14.0 | mg/l |

Mengetahui :
Kepala Unit IPAL


SARJANI ST
 NIP. 110 036 4737

Ket : SS tidak dianalisa karena alat / desicator pecah kena gempa bumi

BULAN : FEBRUARI 2007

| TANGGAL | PH | | SUHU (C) | | DO (mg/l) | | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | |
|---------|------|------|------------|------|-----------|-----|--------------|-----|------------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 | 6.49 | 7.21 | 28.0 | 30.0 | 1.0 | 5.8 | 528 | 32 | 176 | 11 | - | - |
| 3 | 6.31 | 7.84 | 27.8 | 29.5 | 2.0 | 4.6 | 256 | 32 | 86 | 11 | - | - |
| 5 | 6.10 | 7.14 | 27.0 | 30.0 | 1.2 | 4.8 | 272 | 40 | 88 | 13 | - | - |
| 6 | 6.37 | 7.11 | 27.8 | 29.0 | 2.0 | 5.0 | 264 | 40 | 88 | 13 | 92 | 16 |
| 7 | 6.13 | 7.03 | 27.5 | 29.5 | 2.0 | 4.6 | 376 | 40 | 126 | 13 | 296 | 53 |
| 8 | 6.07 | 7.01 | 27.8 | 29.0 | 2.0 | 4.6 | 312 | 48 | 104 | 16 | 138 | 20 |
| 10 | 6.14 | 7.76 | 27.7 | 28.5 | 2.1 | 4.7 | 296 | 48 | 99 | 16 | 98 | 18 |
| 12 | 6.16 | 7.11 | 28.8 | 30.3 | 2.2 | 4.2 | 288 | 32 | 96 | 16 | 68 | 15 |
| 13 | 6.22 | 7.18 | 28.4 | 29.8 | 0.0 | 5.1 | 704 | 48 | 235 | 17 | 97 | 12 |
| 14 | 6.26 | 7.18 | 28.3 | 29.3 | 1.4 | 5.3 | 336 | 32 | 112 | 11 | 277 | 26 |
| 15 | 6.36 | 7.49 | 28.9 | 30.0 | 0.0 | 5.0 | 656 | 32 | 219 | 11 | 431 | 13 |
| 17 | 6.28 | 7.22 | 27.9 | 28.8 | 1.0 | 4.1 | 496 | 40 | 165 | 14 | 580 | 27 |
| 19 | 6.34 | 7.20 | 27.5 | 28.4 | 2.1 | 5.2 | 304 | 32 | 101 | 12 | 96 | 13 |
| 20 | 6.59 | 7.23 | 28.0 | 29.7 | 0.6 | 4.8 | 824 | 40 | 275 | 13 | 477 | 15 |
| 21 | 6.05 | 7.73 | 27.9 | 29.0 | 2.1 | 4.0 | 296 | 32 | 100 | 11 | 265 | 11 |
| 26 | 6.33 | 7.21 | 27.8 | 28.9 | 2.6 | 4.0 | 256 | 32 | 85 | 11 | 224 | 15 |
| 27 | 6.48 | 7.30 | 27.8 | 28.5 | 2.8 | 5.2 | 200 | 32 | 67 | 11 | 143 | 29 |
| 28 | 6.23 | 7.10 | 27.8 | 28.5 | 2.8 | 5.2 | 200 | 24 | 67 | 9 | 132 | 13 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN FEBRUARI 2007

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/Hari | 4,836.4 | 3,359.8 | 4,237.2 | 3,830.6 | 8,806.1 | 6,013.4 | 6,013.4 | 12,807.9 | 6,848.0 | 5,649.6 | 5,500.3 | 5,760.4 |

| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/Hari | 5,392.4 | 4,397.7 | 7,286.7 | 5,959.9 | 7,019.2 | 8,217.6 | 8,720.5 | 7,960.8 | 6,944.3 | 6,612.6 | 8,239.8 | 8,492.3 |

| TANGGAL | 25 | 26 | 27 | 28 |
|---------|----------|---------|---------|---------|
| CUACA | HUJAN | CERAH | CERAH | CERAH |
| M3/Hari | 14,038.0 | 9,747.7 | 8,998.7 | 5,820.8 |

VOLUME AIR LIMBAH MASUK :

Min 3,359.8 m³/hari
 Max 14,038.0 m³/hari
 Rata - rata 6,887.1 m³/hari
 Total 192,838.9 m³/bln

BOD INLET :

Min 67.0 mg/l
 Max 275.0 mg/l
 Rata - rata 127.3 mg/l

BOD OUTLET :

Min 9.0 mg/l
 Max 17.0 mg/l
 Rata - rata 12.6 mg/l

Mengetahui :
Kepala Unit


 SARJANI, ST
 NIP. 110.036.473

**DATA KUALITAS AIR LIMBAH MASUK IPAL BANTUL
BULAN : M A R E T 2007**

| TANGGAL | PH | | SUHU (C) | | DO (mg/l) | | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | |
|---------|------|------|----------|------|-----------|-----|------------|-----|------------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 | 6.45 | 7.15 | 28.1 | 29.3 | 1.8 | 6.0 | 328 | 48 | 110 | 16 | 82 | 14 |
| 5 | 6.28 | 6.73 | 27.8 | 29.0 | 1.6 | 6.0 | 576 | 48 | 192 | 16 | 385 | 14 |
| 6 | 6.81 | 7.22 | 27.8 | 28.8 | 1.8 | 6.1 | 640 | 48 | 213 | 16 | 387 | 12 |
| 7 | 6.89 | 7.19 | 27.7 | 28.8 | 0.4 | 5.8 | 680 | 48 | 227 | 16 | 256 | 11 |
| 8 | 6.89 | 7.38 | 27.9 | 28.5 | 0.0 | 6.2 | 888 | 40 | 296 | 13 | 361 | 37 |
| 12 | 6.36 | 7.12 | 28.5 | 29.5 | 2.4 | 6.2 | 400 | 40 | 134 | 13 | 135 | 12 |
| 13 | 6.40 | 7.29 | 28.3 | 30.0 | 2.6 | 5.8 | 512 | 48 | 171 | 17 | 228 | 10 |
| 15 | 6.05 | 6.76 | 27.9 | 29.5 | 2.2 | 5.6 | 576 | 58 | 192 | 19 | 258 | 9 |
| 20 | 6.28 | 7.30 | 28.4 | 30.0 | 2.8 | 5.4 | 520 | 64 | 174 | 21 | 198 | 6 |
| 21 | 6.13 | 7.44 | 28.1 | 29.7 | 3.0 | 6.1 | 408 | 48 | 136 | 16 | 239 | 30 |
| 22 | 6.32 | 7.22 | 27.7 | 29.0 | 1.4 | 5.4 | 288 | 72 | 100 | 24 | 249 | 26 |
| 26 | 6.40 | 7.01 | 26.6 | 27.5 | 2.8 | 5.4 | 304 | 48 | 101 | 17 | 82 | 15 |
| 27 | 6.13 | 7.16 | 27.8 | 28.0 | 2.8 | 6.2 | 488 | 40 | 163 | 14 | 127 | 10 |
| 28 | 6.48 | 7.10 | 27.5 | 28.0 | 2.1 | 6.3 | 528 | 56 | 176 | 19 | 294 | 11 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN MARET 2007

| | | | | | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/Hari | 6,462.8 | 5,949.2 | 6,53.0 | 6,045.5 | 5,984.5 | 7,158.3 | 7,147.6 | 7,875.2 | 7,928.7 | 6,741.0 | 7,704.0 | 5,221.6 |
| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | HUJAN | HUJAN | CERAH |
| M3/Hari | 4,354.9 | 5,371.4 | 4,579.6 | 5,489.1 | 7,490.0 | 7,158.3 | 8,988.0 | 8,057.1 | 5,906.4 | 9,993.8 | 11,342.0 | 8,786.5 |
| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | |
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | | | | | |
| M3/Hari | 7,490.0 | 8,142.7 | 7,436.5 | 7,286.7 | 6,944.3 | 7,960.8 | 6,869.4 | | | | | |

Note:

VOLUME AIR LIMBAH MASUK :

Min 4,354.9 m3/hari
 Max 11,342.0 m3/hari
 Rata - rata 6,724.9 m3/hari
 Total 208,473.4 m3/bln

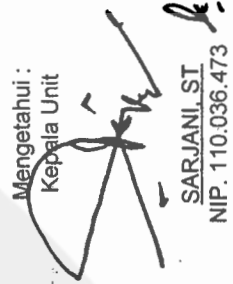
BOD INLET :

Min 100.0 mg/l
 Max 296.0 mg/l
 Rata - rata 170.3 mg/l

BOD OUTLET :

Min 13.0 mg/l
 Max 24.0 mg/l
 Rata - rata 17.0 mg/l

Mengetahui :
Kepala Unit


SARJANI, ST
NIP. 110.036.473

BULAN : APRIL 2007

| TANGGAL | PH | | SUHU (C) | | DO (mg/l) | | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | |
|---------|------|------|----------|------|-----------|-----|------------|-----|------------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 2 | 6.17 | 7.63 | 27.5 | 29.1 | 0.8 | 4.4 | 616 | 56 | 205 | 19 | 287 | 13 |
| 3 | 6.67 | 7.28 | 27.5 | 28.1 | 1.8 | 4.6 | 400 | 48 | 133 | 16 | 103 | 11 |
| 4 | 6.10 | 7.69 | 28.1 | 29.1 | 2.6 | 4.0 | 280 | 48 | 94 | 16 | 91 | 22 |
| 10 | 6.43 | 7.37 | 26.8 | 28.8 | 0.4 | 6.0 | 616 | 32 | 205 | 11 | 702 | 14 |
| 11 | 6.17 | 7.96 | 29.5 | 27.2 | 3.0 | 5.2 | 248 | 40 | 83 | 14 | 97 | 14 |
| 12 | 6.64 | 7.94 | 28.0 | 29.0 | 3.0 | 5.0 | 224 | 40 | 75 | 14 | 48 | 12 |
| 16 | 6.37 | 7.70 | 28.1 | 29.0 | 2.8 | 4.0 | 280 | 48 | 94 | 16 | 70 | 18 |
| 17 | 6.17 | 7.89 | 27.0 | 29.0 | 2.6 | 4.8 | 272 | 32 | 91 | 12 | 63 | 11 |
| 18 | 6.35 | 7.84 | 27.2 | 28.9 | 0.1 | 4.6 | 840 | 48 | 280 | 16 | 192 | 13 |
| 19 | 6.16 | 7.67 | 27.5 | 28.8 | 2.6 | 6.1 | 224 | 32 | 75 | 12 | 73 | 10 |
| 23 | 6.19 | 7.63 | 28.0 | 29.6 | 1.8 | 4.6 | 392 | 58 | 132 | 20 | 104 | 8 |
| 24 | 6.19 | 7.60 | 28.2 | 29.9 | 2.1 | 5.0 | 320 | 40 | 107 | 14 | 89 | 11 |
| 25 | 6.14 | 7.87 | 28.1 | 30.1 | 2.8 | 5.6 | 264 | 32 | 88 | 12 | 372 | 9 |
| 26 | 6.33 | 7.79 | 28.3 | 29.8 | 2.7 | 4.0 | 264 | 32 | 88 | 12 | 78 | 10 |
| 30 | 6.43 | 7.96 | 28.8 | 29.2 | 2.8 | 6.0 | 408 | 32 | 136 | 11 | 83 | 9 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN : APRIL 2007

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|----------|----------|----------|----------|----------|---------|---------|----------|---------|---------|---------|---------|
| CUACA | HUJAN | HUJAN | HUJAN | HUJAN | CERAH | CERAH | CERAH | HUJAN | CERAH | CERAH | CERAH | CERAH |
| M3/Hari | 8,474.4 | 7,988.0 | 8,709.8 | 7,150.6 | 7,800.3 | 8,388.8 | 9,223.4 | 12,925.6 | 9,469.5 | 9,458.8 | 8,228.3 | 9,148.5 |
| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| CUACA | HUJAN | HUJAN | CERAH | HUJAN | HUJAN | CERAH | CERAH | CERAH | CERAH | HUJAN | HUJAN | CERAH |
| M3/Hari | 11,941.2 | 12,230.1 | 10,132.9 | 12,572.5 | 12,551.1 | 9,169.9 | 5,467.7 | 9,084.3 | 8,153.4 | 8,410.2 | 7,750.9 | 7,297.4 |
| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 | | | | | | |
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | | | | | | |
| M3/Hari | 7,575.6 | 5,553.5 | 6,762.4 | 7,190.4 | 6,698.2 | 6,334.4 | | | | | | |

Note:

VOLUME AIR LIMBAH MASUK :

Min 5,553.5 m³/hari
 Max 12,572.5 m³/hari
 Rata - rata 8,728.1 m³/hari
 Total 261,842.1 m³/bin

BOD INLET :

Min 75.0 mg/l
 Max 280.0 mg/l
 Rata - rata 125.7 mg/l

BOD OUTLET :

Min 11.0 mg/l
 Max 20.0 mg/l
 Rata - rata 14.3 mg/l

Mengetahui :
Kepala Unit

SARJANI, ST
 NIP. 110.036.473

BULAN : MEI 2007

| TANGGAL | PH | | SUHU (C) | | DO (mg/l) | | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | |
|---------|------|------|----------|------|-----------|-----|------------|-----|------------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 | 6.47 | 7.27 | 28.0 | 29.5 | 0.4 | 4.2 | 712 | 64 | 237 | 21 | 187 | 9 |
| 2 | 6.43 | 7.54 | 28.0 | 30.0 | 0.4 | 4.6 | 704 | 48 | 235 | 16 | 220 | 10 |
| 3 | 6.45 | 8.09 | 28.0 | 29.0 | 2.2 | 6.0 | 304 | 48 | 101 | 16 | 142 | 32 |
| 7 | 6.40 | 7.89 | 28.0 | 30.0 | 2.4 | 5.6 | 272 | 40 | 91 | 14 | 109 | 13 |
| 8 | 6.57 | 8.08 | 28.0 | 30.0 | 1.9 | 5.0 | 384 | 48 | 102 | 16 | 116 | 7 |
| 9 | 6.45 | 7.99 | 29.0 | 30.0 | 1.3 | 6.2 | 336 | 32 | 112 | 11 | 104 | 36 |
| 10 | 6.42 | 8.06 | 29.0 | 30.0 | 2.0 | 6.2 | 384 | 32 | 128 | 11 | 110 | 9 |
| 14 | 6.36 | 7.75 | 29.0 | 30.0 | 0.2 | 5.2 | 696 | 32 | 232 | 12 | 97 | 9 |
| 15 | 6.47 | 7.77 | 28.0 | 29.0 | 2.5 | 4.6 | 360 | 48 | 120 | 16 | 70 | 23 |
| 16 | 6.34 | 7.67 | 28.0 | 29.0 | 1.2 | 4.7 | 381 | 32 | 128 | 12 | 113 | 23 |
| 21 | 6.48 | 7.79 | 28.0 | 30.0 | 1.8 | 6.1 | 456 | 32 | 152 | 11 | 180 | 21 |
| 22 | 6.43 | 7.79 | 29.0 | 30.0 | 2.4 | 6.0 | 408 | 56 | 136 | 19 | 167 | 23 |
| 23 | 6.44 | 7.95 | 28.0 | 30.0 | 2.2 | 6.4 | 272 | 72 | 91 | 24 | 113 | 27 |
| 24 | 6.21 | 7.95 | 29.0 | 30.0 | 0 | 5.4 | 800 | 64 | 267 | 21 | 1115 | 11 |
| 26 | 6.46 | 7.92 | 28.0 | 30.0 | 2.5 | 6.4 | 400 | 64 | 133 | 21 | 121 | 16 |
| 28 | 6.48 | 7.75 | 28.0 | 29.0 | 2.5 | 6.6 | 408 | 56 | 136 | 19 | 73 | 10 |
| 29 | 6.28 | 7.86 | 29.0 | 30.0 | 0.1 | 6.8 | 760 | 48 | 253 | 16 | 616 | 12 |
| 30 | 6.35 | 7.82 | 29.0 | 30.0 | 0 | 6.3 | 816 | 88 | 272 | 29 | 568 | 10 |
| 31 | 6.34 | 7.66 | 28.0 | 29.0 | 0.7 | 4.8 | 904 | 72 | 301 | 24 | 666 | 11 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN : MEI 2007

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | HUJAN | CERAH | CERAH | CERAH | CERAH |
| M3/Hari | 5,713.8 | 6,505.6 | 7,019.2 | 5,628.2 | 7,072.7 | 5,778.0 | 5,114.6 | 6,730.3 | 5,392.8 | 6,441.4 | 6,623.3 | 7,265.3 |


| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/Hari | 5,778.7 | 6,109.7 | 5,371.4 | 5,745.9 | 4,782.9 | 5,521.2 | 5,093.2 | 6,259.5 | 4,280.0 | 5,018.3 | 4,964.8 | 4,793.6 |

| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/Hari | 4,772.2 | 4,333.5 | 5,071.8 | 6,131.1 | 5,350.0 | 6,045.5 | 5,778.0 |

Note :
VOLUME AIR LIMBAH MASUK :
 Min 4,280.0 m3/hari
 Max 7,265.3 m3/hari
 Rata - rata 5,693.1 m3/hari
 Total 176,486.5 m3/bln

BOD INLET :
 Min 91.0 mg/l
 Max 301.0 mg/l
 Rata - rata 169.8 mg/l

BOD OUTLET :
 Min 11.0 mg/l
 Max 29.0 mg/l
 Rata - rata 17.3 mg/l

Mengetahui :

 Kepala Unit
SARJANI, ST
 NIP. 110.036.473

BULAN : JUNI 2007

| TANGGAL | PH | | SUHU (C) | | DO (mg/l) | | COD (mg/l) | | BOD (mg/l) | | SS (mg/l) | |
|---------|------|------|----------|------|-----------|-----|------------|-----|------------|-----|-----------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 4 | 6.45 | 8.30 | 29.0 | 30.0 | 1.6 | 6.1 | 312 | 48 | 104 | 16 | 131 | 19 |
| 5 | 6.36 | 8.23 | 29.0 | 30.0 | 2.6 | 6.4 | 312 | 40 | 104 | 14 | 108 | 17 |
| 6 | 6.43 | 8.03 | 29.0 | 29.5 | 2.6 | 5.2 | 304 | 48 | 101 | 16 | 109 | 14 |
| 7 | 6.24 | 7.72 | 29.0 | 30.0 | 2.8 | 6.6 | 320 | 40 | 107 | 13 | 114 | 14 |
| 11 | 6.11 | 7.81 | 28.0 | 29.0 | 0 | 6.6 | 816 | 56 | 272 | 19 | 344 | 21 |
| 12 | 6.04 | 7.00 | 28.0 | 29.0 | 2.8 | 6.6 | 408 | 48 | 136 | 16 | 128 | 24 |
| 13 | 6.08 | 7.96 | 28.0 | 28.5 | 1.6 | 5.6 | 640 | 40 | 213 | 14 | 117 | 14 |
| 14 | 6.08 | 7.98 | 28.0 | 29.0 | 0.8 | 5.2 | 768 | 40 | 256 | 13 | 130 | 10 |
| 18 | 6.09 | 4.96 | 28.5 | 29.0 | 2.6 | 6.3 | 416 | 56 | 139 | 19 | 90 | 22 |
| 19 | 6.02 | 7.69 | 27.5 | 28.0 | 0.6 | 5.0 | 624 | 56 | 208 | 19 | 182 | 16 |
| 20 | 6.05 | 7.71 | 28.0 | 28.5 | 2.2 | 4.6 | 464 | 64 | 155 | 21 | 90 | 14 |
| 21 | 6.31 | 8.02 | 28.0 | 27.0 | 1.0 | 5.2 | 432 | 40 | 144 | 13 | 131 | 36 |
| 25 | 6.37 | 8.18 | 29.0 | 29.5 | 1.8 | 6.4 | 512 | 40 | 171 | 13 | 91 | 23 |
| 26 | 6.28 | 8.14 | 28.0 | 29.0 | 2.2 | 6.8 | 448 | 56 | 150 | 19 | 102 | 18 |
| 27 | 6.08 | 8.11 | 28.0 | 29.0 | 0.8 | 6.8 | 608 | 40 | 202 | 13 | 141 | 13 |
| 28 | 6.10 | 8.04 | 29.0 | 29.5 | 0 | 7.0 | 744 | 32 | 248 | 16 | 174 | 10 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN JUNI 2007

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/Hari | 6,173.9 | 7,928.7 | 6,479.5 | 4,622.4 | 4,579.6 | 5,403.9 | 6,709.1 | 6,676.8 | 5,981.3 | 4,804.3 | 4,868.5 | 4,986.2 |

| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | HUJAN | GERIMIS | GERIMIS | CERAH | CERAH | HUJAN | CERAH |
| M3/Hari | 5,713.8 | 6,077.6 | 6,024.1 | 7,062.0 | 6,376.4 | 8,816.8 | 7,575.6 | 7,447.2 | 6,890.4 | 6,623.3 | 8,720.5 | 5,152.5 |

| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 |
|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/Hari | 6,783.2 | 7,436.5 | 6,452.1 | 7,072.7 | 6,537.7 | 5,874.3 |

VOLUME AIR LIMBAH MASUK :

Min 4,579.6 m3/hari
 Max 8,720.5 m3/hari
 Rata - rata 6,395.0 m3/hari
 Total 191,850.9 m3/bln

BOD INLET :

Min 101.0 mg/l
 Max 272.0 mg/l
 Rata - rata 169.4 mg/l

BOD OUTLET :

Min 13.0 mg/l
 Max 21.0 mg/l
 Rata - rata 15.9 mg/l

Mengetahui :
 Kepala Unit

SARJANI, ST.
 NIP. 110.036.473

LAPORAN
PENGENDALIAN KUALITAS AIR LIMBAH IPAL BANTUL
BULAN : JULI 2007

| TANGGAL | PH | | SUHU | | BOD (Mg/lit) | | COD (Mg/lit) | | DO (Mg/lit) | | S S (Mg/lit) | |
|---------|------|------|------|------|--------------|-----|--------------|-----|-------------|-----|--------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 2 | 6,31 | 8,19 | 29,0 | 29,0 | 128 | 14 | 384 | 40 | 2,1 | 6,2 | 151 | 21 |
| 3 | 6,27 | 8,07 | 28,5 | 29,0 | 147 | 19 | 440 | 56 | 1,6 | 6,0 | 175 | 25 |
| 4 | 6,31 | 8,38 | 28,0 | 29,0 | 141 | 13 | 424 | 40 | 2,2 | 5,6 | 160 | 19 |
| 5 | 6,11 | 8,21 | 28,0 | 29,0 | 157 | 16 | 472 | 48 | 2,0 | 6,0 | 211 | 22 |
| 9 | 6,27 | 7,97 | 28,0 | 29,5 | 163 | 19 | 488 | 56 | 1,4 | 5,2 | 182 | 17 |
| 10 | 6,30 | 7,88 | 28,0 | 29,0 | 144 | 14 | 432 | 40 | 2,2 | 5,6 | 153 | 21 |
| 11 | 6,13 | 8,01 | 28,0 | 29,5 | 125 | 16 | 376 | 48 | 2,4 | 5,6 | 89 | 26 |
| 12 | 6,11 | 7,96 | 28,0 | 29,0 | 120 | 16 | 360 | 48 | 2,2 | 6,0 | 137 | 23 |
| 16 | 6,21 | 7,87 | 28,0 | 29,0 | 137 | 16 | 416 | 48 | 1,8 | 5,1 | 120 | 18 |
| 17 | 6,21 | 7,87 | 27,5 | 29,0 | 133 | 16 | 400 | 48 | 2,2 | 5,4 | 117 | 25 |
| 18 | 6,24 | 7,98 | 28,0 | 29,0 | 137 | 21 | 416 | 64 | 2,2 | 5,2 | 96 | 23 |
| 19 | 6,13 | 7,85 | 28,0 | 29,0 | 144 | 16 | 432 | 48 | 2,0 | 6,0 | 109 | 21 |
| 23 | 6,36 | 7,86 | 27,0 | 28,5 | 93 | 11 | 280 | 32 | 2,2 | 6,1 | 83 | 11 |
| 24 | 6,27 | 7,86 | 28,0 | 28,5 | 101 | 11 | 304 | 32 | 1,8 | 6,0 | 121 | 12 |
| 25 | 6,23 | 7,87 | 28,0 | 28,0 | 93 | 16 | 280 | 46 | 2,0 | 6,2 | 237 | 9 |
| 26 | 6,11 | 7,82 | 28,0 | 27,0 | 267 | 13 | 800 | 40 | 0 | 6,4 | 146 | 11 |
| 30 | 6,22 | 7,72 | 28,0 | 27,5 | 184 | 13 | 552 | 40 | 1,2 | 6,0 | 310 | 8 |
| 31 | 6,00 | 7,27 | 27,5 | 27,5 | 104 | 11 | 312 | 32 | 1,8 | 6,6 | 156 | 25 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN JULI 2007

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 4.376,3 | 5.542,6 | 4.044,6 | 4.868,5 | 5.093,2 | 5.136,0 | 3.937,6 | 4.237,2 | 3.819,9 | 4.205,1 | 4.472,6 | 4.494,0 |


| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 4.825,7 | 5.157,4 | 4.216,2 | 4.601,0 | 5.478,4 | 5.713,8 | 5.275,1 | 4.258,6 | 5.028,7 | 4.815,0 | 4.579,6 | 5.574,7 |

| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 4.772,6 | 5.307,2 | 4.911,3 | 5.146,7 | 5.328,8 | 5.606,8 | 5.210,9 |

VOLUME AIR LIMBAH MASUK:
 Min 3.819,9 m3
 Max 5.713,8 m3
 Rata-rata 4.839,9 m3/bln
 Total 150.036,1 m3

BOD INLET:
 Min 93 mg/ft
 Max 267 mg/ft
 Rata-rata 139,9 mg/ft

BOD OUTLET:
 Min 11 mg/ft
 Max 21 mg/ft
 Rata-rata 15,1 mg/ft

Mengetahui :
 Kepala Unit IPAL

 SARJANI
 NIP. 110 036 473

L A P O R A N
PENGENDALIAN KUALITAS AIR LIMBAH IPAL BANTUL
BULAN : AGUSTUS 2007

| TANGGAL | PH | | SUHU | | BOD (Mg/lit) | | COD (Mg/lit) | | DO (Mg/lit) | | S S (Mg/lit) | |
|---------|------|------|------|------|--------------|-----|--------------|-----|-------------|-----|--------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 | 6,20 | 7,66 | 27,0 | 28,0 | 104 | 16 | 312 | 48 | 2,2 | 6,2 | 60 | 10 |
| 2 | 6,31 | 7,28 | 27,0 | 27,0 | 110 | 19 | 328 | 56 | 1,6 | 5,2 | 201 | 11 |
| 6 | 6,00 | 7,38 | 28,0 | 28,0 | 88 | 12 | 264 | 32 | 2,2 | 6,4 | 106 | 14 |
| 7 | 6,25 | 7,25 | 27,0 | 27,0 | 91 | 11 | 272 | 32 | 1,4 | 6,2 | 157 | 20 |
| 8 | 6,38 | 7,41 | 28,0 | 28,0 | 254 | 19 | 760 | 56 | 0,2 | 5,8 | 292 | 25 |
| 9 | 6,47 | 7,63 | 28,0 | 28,0 | 110 | 12 | 328 | 32 | 2,0 | 6,0 | 135 | 37 |
| 13 | 6,00 | 7,34 | 27,5 | 28,0 | 131 | 14 | 392 | 40 | 0,6 | 5,8 | 245 | 26 |
| 14 | 6,06 | 7,04 | 27,5 | 28,0 | 133 | 11 | 400 | 32 | 1,0 | 6,4 | 159 | 8 |
| 15 | 6,13 | 7,11 | 28,0 | 28,0 | 136 | 11 | 408 | 32 | 1,6 | 6,6 | 210 | 13 |
| 16 | 6,21 | 7,57 | 27,5 | 28,0 | 125 | 16 | 376 | 48 | 2,0 | 6,5 | 75 | 11 |
| 20 | 6,05 | 7,77 | 28,0 | 28,0 | 117 | 14 | 352 | 40 | 0,6 | 5,8 | 173 | 14 |
| 21 | 6,17 | 7,18 | 27,0 | 28,0 | 142 | 16 | 424 | 32 | 0,4 | 6,4 | 261 | 11 |
| 22 | 6,00 | 7,64 | 28,0 | 28,0 | 150 | 16 | 448 | 48 | 0,6 | 6,2 | 154 | 16 |
| 23 | 6,15 | 7,57 | 28,0 | 28,0 | 139 | 14 | 416 | 40 | 1,6 | 6,0 | 141 | 13 |
| 27 | 6,06 | 7,48 | 28,0 | 28,0 | 134 | 14 | 400 | 40 | 2,4 | 5,4 | 141 | 10 |
| 28 | 6,03 | 7,61 | 27,0 | 28,0 | 125 | 14 | 376 | 40 | 2,4 | 6,0 | 103 | 15 |
| 29 | 6,13 | 7,64 | 27,5 | 28,0 | 112 | 16 | 336 | 48 | 2,0 | 5,8 | 192 | 12 |
| 30 | 6,37 | 7,80 | 28,0 | 28,0 | 96 | 16 | 288 | 48 | 1,6 | 5,6 | 106 | 12 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN AGUSTUS 2007

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 4.871,5 | 4.630,2 | 5.617,5 | 3.894,8 | 4.697,1 | 3.242,1 | 4.001,8 | 3.980,4 | 5.307,2 | 6.398,6 | 3.531,0 | 4.162,3 |

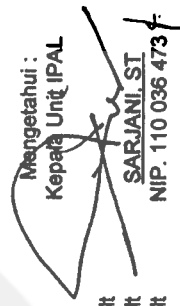
| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 4.718,7 | 4.515,4 | 4.333,5 | 4.666,5 | 4.568,9 | 4.708,0 | 4.483,3 | 3.274,2 | 4.536,8 | 4.440,5 | 5.585,4 | 4.622,4 |

| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 4.346,3 | 4.329,6 | 4.045,7 | 4.837,1 | 3.231,4 | 4.033,9 | 5.981,3 |

VOLUME AIR LIMBAH MASUK :
 Min 3.231,4 m3
 Max 6.398,6 m3
 Rata-rata 4.503,0 m3/bln
 Total 139.593,4 m3

BOD INLET :
 Min 88 mg/lit
 Max 254 mg/lit
 Rata-rata 127,6 mg/lit

BOD OUTLET :
 Min 11 mg/lit
 Max 19 mg/lit
 Rata-rata 14,5 mg/lit

Mengetahui :
 Kepala Unit IPAL

 SARJANI, ST
 NIP. 110 036 473

L A P O R A N
PENGENDALIAN KUALITAS AIR LIMBAH IPAL BANTUL
BULAN : SEPTEMBER 2007

| TANGGAL | PH | | SUHU | | BOD (Mg/lit) | | COD (Mg/lit) | | DO (Mg/lit) | | SS (Mg/lit) | |
|---------|------|------|------|------|--------------|-----|--------------|-----|-------------|-----|-------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 3 | 6,04 | 7,20 | 28,0 | 28,0 | 248 | 11 | 744 | 32 | 0,6 | 7,0 | 127 | 16 |
| 4 | 6,03 | 7,86 | 28,0 | 28,0 | 112 | 11 | 336 | 32 | 1,6 | 7,0 | 110 | 15 |
| 5 | 6,16 | 7,00 | 27,0 | 28,0 | 115 | 14 | 344 | 40 | 2,0 | 7,0 | 157 | 21 |
| 6 | 6,43 | 7,68 | 27,0 | 28,0 | 165 | 16 | 496 | 48 | 2,2 | 6,8 | 80 | 14 |
| 10 | 6,12 | 7,86 | 28,0 | 27,5 | 173 | 14 | 520 | 40 | 1,6 | 7,2 | 142 | 11 |
| 11 | 6,26 | 7,36 | 27,0 | 27,0 | 109 | 14 | 328 | 40 | 2,6 | 7,2 | 106 | 14 |
| 12 | 6,16 | 7,72 | 28,0 | 28,0 | 165 | 19 | 496 | 56 | 1,8 | 6,0 | 272 | 14 |
| 13 | 6,39 | 7,95 | 26,0 | 27,0 | 93 | 14 | 280 | 40 | 1,6 | 7,2 | 104 | 14 |
| 17 | 6,12 | 7,29 | 27,0 | 28,0 | 219 | 11 | 656 | 32 | 1,4 | 6,8 | 263 | 13 |
| 18 | 6,20 | 7,45 | 27,0 | 28,0 | 149 | 14 | 448 | 40 | 2,2 | 6,3 | 206 | 12 |
| 19 | 6,08 | 7,27 | 28,0 | 28,0 | 155 | 19 | 464 | 56 | 1,8 | 6,0 | 75 | 15 |
| 24 | 6,11 | 7,50 | 28,0 | 28,5 | 219 | 16 | 656 | 48 | 1,8 | 6,6 | 206 | 14 |
| 25 | 6,06 | 7,36 | 28,0 | 29,0 | 216 | 13 | 648 | 40 | 1,6 | 6,4 | 110 | 16 |
| 26 | 6,09 | 7,38 | 28,0 | 28,5 | 93 | 16 | 280 | 48 | 2,4 | 6,6 | 108 | 15 |
| 27 | 6,42 | 7,41 | 27,5 | 28,5 | 213 | 14 | 640 | 40 | 2,2 | 6,6 | 128 | 14 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN SEPTEMBER 2007

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3 / HARI | 4.140,9 | 4.237,2 | 4.225,9 | 3.798,5 | 3.605,9 | 5.692,4 | 3.959,0 | 4.140,9 | 4.804,3 | 6.206,0 | 4.772,2 | 3.926,9 |

| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3 / HARI | 5.178,8 | 4.708,0 | 4.429,8 | 4.076,7 | 4.943,4 | 4.557,6 | 4.247,9 | 5.521,2 | 2.931,8 | 4.932,7 | 3.477,5 | 3.317,0 |

VOLUME AIR LIMBAH MASUK:


| | |
|-----------|----------------|
| Min | 2.931,8 m3 |
| Max | 6.206,0 m3 |
| Rata-rata | 4.380,9 m3/bin |
| Total | 131.427,1 m3 |

BOD INLET:

| | |
|-----------|-------------|
| Min | 93 mg/ft |
| Max | 248 mg/ft |
| Rata-rata | 162,9 mg/ft |

BOD OUTLET:

| | |
|-----------|------------|
| Min | 11 mg/ft |
| Max | 19 mg/ft |
| Rata-rata | 14,4 mg/ft |

Mengetahui :
Kepala Unit IPAL

SARJANI S.I.
NIP. 110 036 473 65

L A P O R A N
PENGENDALIAN KUALITAS AIR LIMBAH IPAL BANTUL
BULAN : OKTOBER 2007

| TANGGAL | PH | | SUHU | | BOD (Mg/lit) | | COD (Mg/lit) | | DO (Mg/lit) | | S S (Mg/lit) | |
|---------|------|------|------|------|--------------|-----|--------------|-----|-------------|-----|--------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 01-Okt | 6,27 | 7,50 | 28,0 | 29,0 | 133 | 11 | 400 | 32 | 2,0 | 6,6 | 110 | 11 |
| 02-Okt | 6,09 | 7,43 | 28,0 | 29,0 | 107 | 16 | 320 | 48 | 1,6 | 6,0 | 126 | 15 |
| 03-Okt | 6,32 | 7,57 | 28,0 | 29,0 | 232 | 16 | 696 | 48 | 2,1 | 7,0 | 105 | 14 |
| 04-Okt | 6,12 | 7,61 | 28,0 | 29,0 | 197 | 14 | 592 | 40 | 1,4 | 6,6 | 149 | 12 |
| 08-Okt | 6,39 | 7,58 | 28,0 | 29,5 | 224 | 11 | 672 | 32 | 1,4 | 6,0 | 105 | 16 |
| 09-Okt | 6,31 | 7,52 | 28,0 | 30,0 | 107 | 14 | 320 | 40 | 1,6 | 6,4 | 152 | 15 |
| 22-Okt | 6,31 | 7,62 | 28,0 | 29,0 | 216 | 16 | 648 | 48 | 0,6 | 6,0 | 112 | 11 |
| 23-Okt | 6,37 | 7,81 | 28,0 | 29,0 | 157 | 16 | 472 | 48 | 2,0 | 6,0 | 135 | 10 |
| 24-Okt | 6,25 | 7,45 | 29,0 | 29,5 | 149 | 14 | 448 | 40 | 1,8 | 6,2 | 145 | 15 |
| 25-Okt | 6,42 | 7,87 | 29,0 | 30,0 | 189 | 14 | 568 | 40 | 1,4 | 6,0 | 108 | 14 |
| 29-Okt | 6,26 | 7,53 | 29,0 | 30,0 | 280 | 12 | 840 | 32 | 0 | 6,0 | 116 | 10 |
| 30-Okt | 6,29 | 7,49 | 28,5 | 29,5 | 213 | 16 | 640 | 42 | 1,2 | 4,2 | 255 | 29 |
| 31-Okt | 6,85 | 7,25 | 28,0 | 30,0 | 157 | 21 | 472 | 64 | 1,4 | 4,6 | 494 | 18 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN OKTOBER 2007

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3 / HARI | 4.590,3 | 5.531,9 | 5.167,5 | 3.670,1 | 5.435,6 | 4.708,0 | 6.120,4 | 6.580,5 | 2.097,2 | 4.365,6 | 5.692,4 | 3.220,7 |

| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3 / HARI | 3.220,7 | 5.457,0 | 4.301,4 | 4.408,4 | 4.868,5 | 3.873,4 | 5.168,1 | 4.068,0 | 3.678,5 | 4.250,2 | 3.605,9 | 3.819,9 |

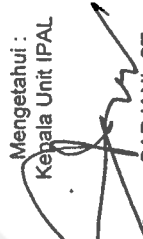
| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|-----------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3 / HARI | 5.179,0 | 4.183,7 | 4.847,1 | 3.370,5 | 4.461,9 | 5.799,4 | 4.205,1 |

VOLUME AIR LIMBAH MASUK :
 Min 2.097,2 m3
 Max 6.580,5 m3
 Rata-rata 4.499,9 m3/bln
 Total 139.496,6 m3

BOD INLET :
 Min 107 mg/ft
 Max 280 mg/ft
 Rata-rata 181,6 mg/ft

BOD OUTLET :
 Min 11 mg/ft
 Max 21 mg/ft
 Rata-rata 14,7 mg/ft

Mengetahui :
 Kepala Unit IPAL


 SARJANI, ST
 NIP. 110 036 473 6

L A P O R A N
PENGENDALIAN KUALITAS AIR LIMBAH IPAL BANTUL
BULAN : NOPEMBER 2007

| TANGGAL | PH | | SUHU | | BOD (Mg/lit) | | COD (Mg/lit) | | DO (Mg/lit) | | SS (Mg/lit) | |
|---------|------|------|------|------|--------------|-----|--------------|-----|-------------|-----|-------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1 Nov | 6,28 | 7,09 | 28,0 | 30,0 | 141 | 19 | 424 | 56 | 1,0 | 4,4 | 212 | 9 |
| 5 Nov | 7,43 | 7,97 | 27,0 | 28,0 | 187 | 14 | 560 | 40 | 2,4 | 4,4 | 178 | 11 |
| 6 Nov | 7,04 | 7,67 | 27,0 | 28,0 | 101 | 14 | 304 | 40 | 2,4 | 4,0 | 319 | 13 |
| 7 Nov | 7,19 | 7,81 | 27,0 | 28,0 | 197 | 12 | 592 | 32 | 2,2 | 5,4 | 246 | 11 |
| 8 Nov | 7,30 | 8,04 | 28,0 | 29,0 | 179 | 14 | 536 | 40 | 2,6 | 6,4 | 120 | 9 |
| 12 Nov | 7,37 | 7,80 | 28,0 | 30,0 | 163 | 21 | 488 | 64 | 2,6 | 6,0 | 136 | 10 |
| 13 Nov | 6,22 | 7,30 | 28,0 | 30,0 | 147 | 19 | 440 | 56 | 1,8 | 6,6 | 141 | 8 |
| 14 Nov | 6,19 | 7,21 | 27,0 | 29,5 | 107 | 13 | 320 | 40 | 2,0 | 6,6 | 124 | 8 |
| 15 Nov | 6,28 | 7,30 | 28,0 | 29,0 | 104 | 13 | 312 | 40 | 2,4 | 5,8 | 95 | 9 |
| 20 Nov | 6,37 | 7,79 | 28,0 | 30,0 | 109 | 16 | 328 | 48 | 2,0 | 6,2 | 228 | 8 |
| 21 Nov | 6,41 | 7,75 | 28,0 | 30,0 | 120 | 11 | 360 | 32 | 0,6 | 6,2 | 403 | 7 |
| 22 Nov | 6,45 | 7,63 | 28,0 | 30,0 | 112 | 16 | 336 | 48 | 1,4 | 6,6 | 510 | 10 |
| 23 Nov | 6,27 | 7,64 | 28,0 | 29,5 | 179 | 11 | 536 | 32 | 0,4 | 6,0 | 653 | 9 |
| 26 Nov | 6,31 | 7,47 | 29,0 | 29,5 | 120 | 12 | 360 | 32 | 0,4 | 6,0 | 457 | 11 |
| 27 Nov | 6,16 | 7,57 | 29,0 | 30,0 | 131 | 13 | 392 | 40 | 0,4 | 6,0 | 294 | 19 |
| 28 Nov | 6,09 | 7,46 | 29,0 | 30,5 | 136 | 11 | 408 | 32 | 1,0 | 6,2 | 330 | 12 |
| 29 Nov | 6,24 | 7,56 | 29,0 | 31,0 | 128 | 13 | 384 | 40 | 1,1 | 6,4 | 276 | 20 |


DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN NOPEMBER 2007

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUJACA | CERAH | MENDUNG | CERAH | CERAH | CERAH | CERAH | MENDUNG | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3 / HARI | 9.255,5 | 5.317,9 | 5.735,2 | 5.600,0 | 5.014,4 | 6.955,0 | 6.366,5 | 5.596,1 | 7.425,8 | 4.804,3 | 4.290,7 | 6.120,4 |
| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| CUJACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3 / HARI | 4.686,6 | 4.513,5 | 4.314,0 | 4.301,4 | 4.588,2 | 4.879,2 | 3.627,3 | 6.880,1 | 4.665,2 | 4.772,2 | 3.734,3 | 5.114,6 |
| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 | | | | | | |
| CUJACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | | | | | | |
| M3 / HARI | 3.531,0 | 4.215,8 | 2.664,3 | 3.731,6 | 4.526,1 | 4.539,3 | | | | | | |

VOLUME AIR LIMBAH MASUK:
 Min 2.664,3 m3
 Max 9.255,5 m3
 Rata-rata 5.057,9 m3/bln
 Total 151.736,5 m3

BOD INLET:
 Min 101 mg/lit
 Max 197 mg/lit
 Rata-rata 138,9 mg/lit

BOD OUTLET:
 Min 11 mg/lit
 Max 21 mg/lit
 Rata-rata 14,2 mg/lit

Mengetahui :
 Kepala Unit IPAL

 SARJANI, ST
 NIP. 110 036 473 &

L A P O R A N
PENGENDALIAN KUALITAS AIR LIMBAH IPAL BANTUL
BULAN : DESEMBER 2007

| TANGGAL | PH | | SUHU | | BOD (Mg/lit) | | COD (Mg/lit) | | DO (Mg/lit) | | S.S (Mg/lit) | |
|---------|------|------|------|------|--------------|------|--------------|-----|-------------|-----|--------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 03-Des | 6,14 | 7,48 | 28,5 | 30,0 | 115 | 16,0 | 344 | 48 | 1,4 | 6,6 | 147 | 8 |
| 05-Des | 6,14 | 7,22 | 28,0 | 29,0 | 120 | 11 | 360 | 32 | 1,6 | 4,7 | 298 | 6 |
| 06-Des | 6,12 | 7,04 | 28,0 | 28,0 | 152 | 13 | 456 | 40 | 1,0 | 4,8 | 287 | 10 |
| 10-Des | 6,00 | 7,18 | 28,0 | 29,0 | 219 | 24,0 | 656 | 72 | 0,8 | 6,4 | 661 | 6 |
| 11-Des | 6,30 | 7,34 | 28,0 | 30,0 | 139 | 16,0 | 416 | 48 | 1,1 | 6,6 | 327 | 10 |
| 12-Des | 6,33 | 7,13 | 29,0 | 30,0 | 85 | 16,0 | 256 | 48 | 2,0 | 5,6 | 244 | 15 |
| 13-Des | 6,39 | 7,16 | 28,0 | 29,0 | 184 | 19 | 552 | 56 | 1,8 | 5,3 | 610 | 8 |
| 17-Des | 6,21 | 7,28 | 29,0 | 29,0 | 221 | 13 | 664 | 40 | 2,3 | 4,3 | 453 | 32 |
| 18-Des | 6,29 | 7,19 | 29,0 | 29,0 | 195 | 29 | 584 | 88 | 2,0 | 4,6 | 125 | 6 |
| 27-Des | 6,43 | 7,34 | 29,0 | 29,0 | 101 | 11 | 304 | 32 | 2,8 | 5,6 | 227 | 5 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN DESEMBER 2007

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | MENDUNG | CERAH | CERAH | MENDUNG | CERAH | MENDUNG | CERAH | CERAH | CERAH | CERAH | MENDUNG |
| M3 / HARI | 4.986,2 | 4.750,8 | 6.227,4 | 6.901,5 | 3.991,1 | 6.210,23 | 6.339,5 | 3.627,3 | 4.012,5 | 5.275,1 | 6.869,4 | 7.415,1 |

| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | MENDUNG | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3 / HARI | 7.383,0 | 9.769,1 | 4.857,8 | 4.451,2 | 9.373,2 | 5.831,5 | 7.682,6 | 6.880,1 | 7.907,3 | 6.589,0 | 7.406,6 | 3.916,2 |

| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|-----------|---------|----------|---------|----------|----------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3 / HARI | 9.715,6 | 10.529,2 | 8.709,8 | 14.241,7 | 10.321,5 | 5.375,4 | 9.276,9 |

VOLUME AIR LIMBAH MASUK :

Min 3.627,3 m³
 Max 14.241,7 m³
 Rata-rata 6.994,3 m³/bln
 Total 216.823,8 m³

BOD INLET :

Min 85 mg/lit
 Max 221 mg/lit
 Rata-rata 153,1 mg/lit

BOD OUTLET :

Min 11 mg/lit
 Max 29 mg/lit
 Rata-rata 16,8 mg/lit

Mengetahui :
 Kepala Unit IPAL



SARJANI, ST
 NIP. 110 036 4730

BULAN: JANUARI 2008

| TANGGAL | PH | | SUHU (C) | | BOD (mg/ltr) | | COD (mg/ltr) | | DO (mg/ltr) | | S.S (mg/ltr) | |
|---------|------|------|-----------|------|--------------|------|--------------|-----|-------------|-----|--------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 2 | 6,43 | 7,26 | 28,0 | 28,0 | 98,7 | 13,3 | 296 | 40 | 2,2 | 5,0 | 186 | 13 |
| 3 | 6,20 | 7,35 | 28,0 | 28,0 | 96,0 | 10,7 | 288 | 24 | 2,6 | 5,2 | 117 | 9 |
| 7 | 6,23 | 7,95 | 28,0 | 28,0 | 90,7 | 10,7 | 272 | 24 | 2,6 | 5,8 | 88 | 6 |
| 8 | 6,15 | 7,06 | 28,0 | 28,0 | 85,3 | 10,7 | 256 | 24 | 2,2 | 5,8 | 45 | 15 |
| 9 | 6,31 | 7,61 | 28,0 | 28,0 | 88,0 | 13,3 | 264 | 40 | 2,6 | 5,4 | 67 | 7 |
| 14 | 6,28 | 7,45 | 28,0 | 29,0 | 101,3 | 18,7 | 320 | 56 | 1,8 | 5,0 | 105 | 19 |
| 15 | 6,36 | 7,30 | 28,0 | 29,0 | 93,3 | 16,0 | 280 | 46 | 2,8 | 5,4 | 45 | 4 |
| 17 | 6,44 | 7,18 | 28,0 | 28,0 | 93,3 | 10,7 | 280 | 32 | 2,6 | 6,0 | 110 | 10 |
| 21 | 6,36 | 7,53 | 28,0 | 30,0 | 109,3 | 24,0 | 328 | 72 | 1,9 | 6,0 | 64 | 13 |
| 22 | 6,40 | 7,58 | 28,0 | 30,0 | 80,0 | 21,3 | 240 | 64 | 2,2 | 6,4 | 48 | 5 |
| 23 | 6,48 | 7,77 | 28,5 | 30,0 | 85,3 | 24,0 | 256 | 72 | 2,2 | 5,6 | 94 | 5 |
| 24 | 6,31 | 7,53 | 28,0 | 29,0 | 112,0 | 21,3 | 336 | 64 | 1,2 | 5,6 | 58 | 8 |
| 28 | 6,63 | 7,54 | 28,5 | 30,0 | 133,3 | 16,0 | 400 | 48 | 0,8 | 6,0 | 254 | 20 |
| 29 | 6,69 | 7,15 | 29,0 | 30,0 | 109,3 | 16,0 | 328 | 48 | 1,4 | 3,4 | 123 | 6 |
| 30 | 6,54 | 7,13 | 28,0 | 30,0 | 120,0 | 13,3 | 360 | 40 | 1,0 | 5,6 | 87 | 5 |
| 31 | 6,60 | 7,46 | 28,0 | 30,0 | 106,7 | 16,0 | 320 | 48 | 2,0 | 4,6 | 218 | 9 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN JANUARI 2008

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|----------|---------|---------|----------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | MENDUNG | HUJAN | CERAH | CERAH | CERAH | HUJAN | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 8.945,2 | 7.169,0 | 10.999,6 | 9.266,2 | 7.393,7 | 10.261,3 | 8.453,0 | 5.861,3 | 6.955,0 | 5.510,5 | 4.194,4 | 7.126,2 |

| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|----------|---------|---------|----------|---------|---------|-------|---------|---------|
| CUACA | CERAH | MENDUNG | MENDUNG | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 3.702,2 | 3.445,4 | 6.687,5 | 10.432,5 | 7.211,8 | 5.927,8 | 10.304,1 | 8.527,9 | 7.650,5 | 6.741 | 8.089,2 | 6.066,9 |

| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|---------|--------|-------|-------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | MENDUNG |
| M3/HARI | 6.377,2 | 11.021 | 8.239 | 7.811 | 8.442,3 | 7.821,7 | 8.752,6 |

VOLUME AIR LIMBAH MASUK:

Min : 3.335,4 m3 / hari
 Max : 11.021,0 m3 / hari
 Rata-rata : 7.593,1 m3 / hari
 Total : 235.387,0 m3

BOD INLET:

Min : 80,0 mg / lt
 Max : 133,3 mg / lt
 Rata-rata : 100,2 mg / lt

BOD OUTLET:

Min : 10,7 mg / lt
 Max : 24,0 mg / lt
 Rata-rata : 16,0 mg / lt

Mengetahui:
 Kepala Unit IPAL

SARJANI, S.T
 NIP. 110 036 4738

| TANGGAL | PH | | SUHU (°C) | | BOD (mg/ltr) | | COD (mg/ltr) | | D.O (mg/ltr) | | S.S (mg/ltr) | |
|---------|------|------|-----------|------|--------------|------|--------------|-----|--------------|-----|--------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 4 | 6,67 | 7,14 | 27,5 | 29,0 | 88,0 | 24,0 | 264 | 72 | 2,8 | 4,2 | 343 | 5 |
| 5 | 6,44 | 7,78 | 27,5 | 28,5 | 101,3 | 21,3 | 304 | 64 | 2,4 | 5,0 | 243 | 15 |
| 6 | 6,23 | 7,98 | 28,0 | 28,0 | 90,7 | 16,0 | 272 | 48 | 2,8 | 5,0 | 258 | 21 |
| 11 | 6,31 | 7,00 | 28,0 | 28,0 | 82,7 | 24,0 | 248 | 72 | 2,5 | 6,8 | 177 | 4 |
| 12 | 6,37 | 7,08 | 28,0 | 29,0 | 85,3 | 18,7 | 256 | 56 | 2,4 | 6,2 | 75 | 5 |
| 13 | 6,31 | 7,08 | 27,0 | 29,0 | 90,7 | 24,0 | 272 | 72 | 3,0 | 6,4 | 195 | 35 |
| 14 | 6,38 | 7,98 | 28,0 | 29,0 | 88,0 | 24,0 | 264 | 72 | 2,6 | 6,2 | 85 | 20 |
| 18 | 6,16 | 7,07 | 28,0 | 29,0 | 173,3 | 13,3 | 520 | 40 | 1,8 | 5,6 | 456 | 7 |
| 19 | 6,27 | 7,18 | 27,5 | 28,0 | 272,0 | 13,3 | 816 | 40 | 1,3 | 5,6 | 391 | 5 |
| 20 | 6,31 | 7,01 | 28,0 | 28,0 | 90,7 | 18,7 | 272 | 56 | 2,4 | 4,6 | 139 | 9 |
| 21 | 6,21 | 7,87 | 28,0 | 28,0 | 136,0 | 13,3 | 408 | 48 | 2,4 | 4,6 | 189 | 10 |
| 25 | 6,27 | 7,01 | 27,0 | 28,0 | 144,0 | 13,3 | 432 | 40 | 3,0 | 5,2 | 190 | 5 |
| 26 | 6,31 | 7,13 | 28,0 | 28,0 | 138,7 | 18,7 | 416 | 56 | 2,6 | 6,0 | 62 | 19 |
| 27 | 6,25 | 7,36 | 27,0 | 28,0 | 138,7 | 10,7 | 416 | 32 | 2,8 | 4,4 | 321 | 30 |
| 28 | 6,34 | 7,96 | 28,0 | 29,0 | 280,0 | 18,7 | 840 | 56 | 0,9 | 5,2 | 369 | 5 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN FEBRUARI 2008

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|----------|----------|---------|---------|----------|---------|---------|---------|---------|
| CUACA | CERAH | MENDUNG | HUJAN | CERAH | MENDUNG | CERAH | HUJAN | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 6.655,4 | 2.910,4 | 7.982,2 | 13.428,5 | 11.449,0 | 8.880,8 | 6.120,4 | 10.657,2 | 6.387,9 | 8.132,0 | 8.945,5 | 6.655,4 |

| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|----------|---------|---------|---------|---------|---------|----------|---------|---------|----------|---------|---------|
| CUACA | CERAH | MENDUNG | MENDUNG | CERAH | CERAH | CERAH | CERAH | MENDUNG | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 11.374,1 | 9.961,7 | 9.191,3 | 8.634,9 | 8.570,7 | 8.821,8 | 12.444,1 | 7.918,0 | 9.116,4 | 11.085,2 | 9.833,3 | 7.479,3 |

| TANGGAL | 25 | 26 | 27 | 28 | 29 |
|---------|---------|---------|----------|----------|----------|
| CUACA | CERAH | CERAH | CERAH | HUJAN | CERAH |
| M3/HARI | 5.917,1 | 8.870,3 | 13.653,2 | 11.866,3 | 11.085,2 |

VOLUME AIR LIMBAH MASUK:

Min : 2.910,4 m³ / hari
 Max : 13.653,2 m³ / hari
 Rata-rata : 9.085,7 m³ / hari
 Total : 263.484,6 m³

BOD INLET:

Min : 88,0 mg / lt
 Max : 280,0 mg / lt
 Rata-rata : 133,3 mg / lt

BOD OUTLET:

Min : 10,7 mg / lt
 Max : 24,0 mg / lt
 Rata-rata : 18,1 mg / lt

Mengetahui:
Kepala Unit IPAL

SARJANTI, S.I
NIP. 110 036 473 &

BULAN: MARET 2008

| TANGGAL | PH | | SUHU (°C) | | BOD (mg/ltr) | | COD (mg/ltr) | | DO (mg/ltr) | | SS (mg/ltr) | |
|---------------|------|------|-----------|------|--------------|------|--------------|-----|-------------|-----|-------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 3 Maret 2008 | 6,22 | 7,69 | 29,0 | 29,0 | 106,7 | 21,3 | 320 | 64 | 2,8 | 5,4 | 62 | 7 |
| 4 Maret 2008 | 6,16 | 7,76 | 28,0 | 28,0 | 117,3 | 13,3 | 352 | 40 | 3,2 | 5,4 | 190 | 5 |
| 5 Maret 2008 | 6,32 | 7,89 | 28,0 | 28,0 | 160,0 | 13,3 | 480 | 40 | 3,4 | 6,0 | 159 | 10 |
| 6 Maret 2008 | 6,39 | 7,24 | 28,0 | 28,0 | 186,7 | 16,0 | 560 | 48 | 2,8 | 6,4 | 177 | 5 |
| 10 Maret 2008 | 6,46 | 7,83 | 27,0 | 28,5 | 112,0 | 13,3 | 336 | 40 | 2,8 | 4,7 | 146 | 17 |
| 11 Maret 2008 | 6,39 | 7,69 | 27,0 | 27,5 | 213,0 | 16,0 | 720 | 48 | 2,6 | 4,7 | 82 | 8 |
| 12 Maret 2008 | 6,39 | 7,81 | 27,0 | 28,0 | 162,7 | 13,3 | 488 | 40 | 2,6 | 4,3 | 41 | 33 |
| 13 Maret 2008 | 6,37 | 7,85 | 27,0 | 28,5 | 208,0 | 13,3 | 624 | 24 | 2,4 | 4,8 | 442 | 6 |
| 17 Maret 2008 | 6,35 | 7,89 | 27,0 | 29,0 | 112,0 | 16,0 | 336 | 40 | 2,4 | 5,3 | 64 | 12 |
| 18 Maret 2008 | 6,38 | 7,79 | 27,5 | 28,5 | 162,7 | 10,7 | 488 | 24 | 2,4 | 4,5 | 240 | 14 |
| 19 Maret 2008 | 6,33 | 7,77 | 27,5 | 29,0 | 152,0 | 16,0 | 456 | 48 | 2,2 | 5,4 | 95 | 5 |
| 24 Maret 2008 | 6,25 | 7,61 | 28,0 | 29,0 | 194,7 | 16,0 | 584 | 48 | 0,4 | 4,6 | 860 | 7 |
| 25 Maret 2008 | 6,36 | 7,73 | 27,0 | 27,0 | 184,0 | 13,3 | 552 | 40 | 3,2 | 5,5 | 55 | 5 |
| 26 Maret 2008 | 6,11 | 7,56 | 27,5 | 28,5 | 138,7 | 13,3 | 416 | 40 | 3,1 | 5,0 | 150 | 23 |
| 27 Maret 2008 | 6,35 | 7,81 | 27,0 | 28,5 | 133,3 | 10,7 | 400 | 32 | 3,0 | 5,2 | 75 | 5 |
| 31 Maret 2008 | 6,43 | 7,77 | 27,0 | 28,0 | 101,3 | 16,0 | 304 | 48 | 3,6 | 6,3 | 57 | 4 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN MARET 2008

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | MENDUNG | CERAH | CERAH | CERAH |
| M3/HARI | 6.558,2 | 12.133,8 | 6.719,6 | 13.566,3 | 12.731,2 | 11.470,4 | 13.728,2 | 12.968,4 | 12.026,8 | 13.193,1 | 13.203,8 | 11.885,9 |

| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|----------|---------|---------|----------|--------|----------|--------|----------|----------|----------|--------|----------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 13.537,3 | 9.726,3 | 9.779,8 | 11.577,4 | 17.655 | 13.185,6 | 11.797 | 15.097,7 | 12.016,1 | 13.974,2 | 12.733 | 12.775,8 |

| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|----------|---------|-------|----------|----------|-------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | MENDUNG |
| M3/HARI | 11.395,5 | 7.853,8 | 9.63 | 13.942,1 | 16.007,2 | 7.726 | 5.853,7 |

VOLUME AIR LIMBAH MASUK:

Min : 5.583,7 m³ / hari
 Max : 17.655 m³ / hari
 Rata-rata : 11.806,4 m³ / hari
 Total : 365.999,2 m³

BOD INLET:

Min : 101,3 mg / lt
 Max : 208 mg / lt
 Rata-rata : 152,8 mg / lt

BOD OULET:

Min : 10,7 mg / lt
 Max : 21,3 mg / lt
 Rata-rata : 14,5 mg / lt

Mengetahui:
 Kepala Unit IPAL



SARJANI, S.T
 NIP. 110 036 473 &

PENGENDALIAN KUALITAS AIR LIMBAH IPAL BANTUL

BULAN: APRIL 2008

| TANGGAL | PH | | SUHU (°C) | | COD (mg/ltr) | | BOD (mg/ltr) | | DO (mg/ltr) | | SS (mg/ltr) | |
|---------|------|------|-----------|------|--------------|-----|--------------|-----|-------------|-----|-------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 1-Apr | 6,74 | 7,58 | 27,0 | 27,8 | 400 | 64 | 130 | 9,5 | 3,8 | 5,8 | 114 | 4,5 |
| 2-Apr | 6,77 | 7,65 | 27,0 | 28,8 | 352 | 40 | 83 | 6,5 | 4,5 | 6,3 | 110 | 5 |
| 3-Apr | 6,36 | 7,64 | 28,0 | 29,0 | 384 | 40 | 75 | 10 | 5,4 | 6,0 | 24 | 5 |
| 7-Apr | 6,80 | 7,71 | 28,0 | 29,0 | 368 | 32 | 63 | 8 | 4,8 | 6,1 | 178 | 9 |
| 8-Apr | 6,92 | 7,73 | 28,0 | 29,0 | 376 | 32 | 118 | 8 | 4,0 | 6,4 | 383 | 4,5 |
| 9-Apr | 6,70 | 7,64 | 27,0 | 28,8 | 496 | 64 | 148 | 9 | 4,8 | 5,8 | 298 | 3 |
| 10-Apr | 6,77 | 7,61 | 27,8 | 29,0 | 656 | 32 | 224 | 8 | 3,8 | 6,3 | 255 | 6,5 |
| 14-Apr | 6,84 | 7,75 | 27,0 | 29,0 | 264 | 24 | 72 | 11 | 4,8 | 6,6 | 186 | 4 |
| 15-Apr | 6,80 | 7,80 | 28,0 | 29,0 | 420 | 24 | 60 | 10 | 6,8 | 6,5 | 156 | 7,5 |
| 16-Apr | 6,78 | 7,80 | 28,0 | 29,5 | 352 | 40 | 100 | 13 | 3,4 | 6,6 | 438 | 2,5 |
| 21-Apr | 6,95 | 7,60 | 27,0 | 29,0 | 190 | 32 | 64 | 11 | 5,2 | 6,4 | 34 | 7 |
| 25-Apr | 7,25 | 8,32 | 28,0 | 29,0 | 496 | 52 | 120 | 16 | 4,5 | 6,5 | 51 | 13 |
| 26-Apr | 7,15 | 7,58 | 29,0 | 30,0 | 432 | 54 | 110 | 12 | 4,6 | 6,8 | 20 | 14 |
| 29-Apr | 7,04 | 7,84 | 28,2 | 29,8 | 416 | 48 | 130 | 10 | 3,0 | 6,5 | 395 | 18 |
| 30-Apr | 7,25 | 7,78 | 28,5 | 29,2 | 320 | 56 | 106 | 13 | 4,5 | 6,4 | 248 | 44 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN APRIL 2008

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|----------|----------|---------|----------|---------|---------|----------|---------|----------|---------|---------|----------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 11.406,2 | 10.528,8 | 6.644,7 | 11.224,3 | 4.494,0 | 4.782,9 | 13.873,1 | 9.876,1 | 11.342,0 | 8.057,1 | 9.341,1 | 10.785,6 |

| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|----------|---------|----------|---------|----------|--------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 8.870,3 | 8.014,3 | 11.877,0 | 9.961,7 | 11.844,9 | 5.596,1 | 14.081,2 | 5863,6 | 8.913,1 | 8.078,5 | 6.238,1 | 5.938,1 |

| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 |
|---------|---------|---------|---------|---------|----------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 6.730,3 | 8.313,9 | 6.601,9 | 9.897,5 | 11.299,2 | 9.188,9 |

VOLUME AIR LIMBAH MASUK:

Min : 4.494,0 m³ / hari
 Max : 14.081,2 m³ / hari
 Rata-rata : 8.988,8 m³ / hari
 Total : 269.664,5 m³

BOD INLET:

Min : 60 mg / lt
 Max : 224 mg / lt
 Rata-rata : 106,9 mg / lt

BOD OULET:

Min : 6,5 mg / lt
 Max : 13 mg / lt
 Rata-rata : 10,3 mg / lt

Mengetahui:
Kepala Unit IPAL

SARJANI, S.T.
NIP. 110 036 473

PENGENDALIAN KUALITAS AIR LIMBAH IPAL BANTUL

BULAN: M E I 2008

| TANGGAL | PH | | SUHU (°C) | | COD (mg/ltr) | | BOD (mg/ltr) | | DO (mg/ltr) | | SS (mg/ltr) | |
|---------|------|------|-----------|------|--------------|-----|--------------|------|-------------|-----|-------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 3 Mei | 7,21 | 7,90 | 28,5 | 30,0 | 432 | 32 | 50 | 7,0 | 5,0 | 7,0 | 80 | 26 |
| 5 Mei | 7,26 | 7,94 | 29,0 | 30,2 | 480 | 16 | 36 | 9,0 | 4,5 | 6,8 | 74 | 7 |
| 7 Mei | 7,26 | 7,80 | 28,5 | 29,0 | 128 | 32 | 32 | 6,5 | 4,0 | 5,5 | 130 | 9 |
| 10 Mei | 7,10 | 8,00 | 28,5 | 29,0 | 80 | 48 | 60 | 6,0 | 4,7 | 7,3 | 126 | 2 |
| 12 Mei | 7,28 | 8,29 | 28,5 | 29,0 | 400 | 48 | 30 | 5,0 | 4,5 | 8,0 | 86 | 17 |
| 14 Mei | 7,03 | 8,14 | 27,0 | 29,0 | 320 | 32 | 64 | 12,0 | 5,0 | 6,5 | 178 | 11 |
| 17 Mei | 7,29 | 8,31 | 27,5 | 29,5 | 176 | 48 | 40 | 11,5 | 5,2 | 7,5 | 59 | 36 |
| 19 Mei | 7,17 | 7,58 | 29,0 | 30,0 | 352 | 64 | 110 | 5,0 | 5,4 | 7,6 | 98 | 18 |
| 21 Mei | 7,23 | 8,12 | 28,5 | 29,5 | 158 | 48 | 52 | 11,0 | 5,0 | 7,3 | 46 | 2 |
| 24 Mei | 7,29 | 8,31 | 29,5 | 29,5 | 224 | 48 | 96 | 5,0 | 5,2 | 7,5 | 89 | 6 |
| 26 Mei | 7,14 | 8,36 | 28,5 | 29,0 | 48 | 32 | 32 | 5,0 | 5,1 | 8,4 | 38 | 3 |
| 28 Mei | 7,19 | 8,13 | 28,0 | 29,0 | 176 | 64 | 50 | 5,0 | 4,4 | 7,7 | 54 | 12 |
| 31 Mei | 7,14 | 8,16 | 28,5 | 29,0 | 560 | 32 | 115 | 4,0 | 3,5 | 8,0 | 40 | 3 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN MEI 2008

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|----------|-----------|---------|---------|----------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 7.684,8 | 8.763,3 | 13.128,9 | 10.0447,3 | 9.324,4 | 6.773,1 | 10.025,9 | 7.019,2 | 6.441,4 | 7.832,4 | 8.271,1 | 5.018,3 |

| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 9.169,9 | 6.516,3 | 5.842,2 | 7.639,8 | 6.300,8 | 3.819,9 | 11.534,6 | 9.266,2 | 7.083,4 | 6.548,4 | 9.127,1 | 5.948,8 |

| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 5.842,2 | 5.830,8 | 7.404,4 | 5.628,2 | 6.708,9 | 6.077,6 | 4.024,1 |

VOLUME AIR LIMBAH MASUK:

Min : 3.819,9 m3 / hari
 Max : 13.128,9 m3 / hari
 Rata-rata : 7.439,8 m3 / hari
 Total : 230.633,7 m3

BOD INLET:

Min : 30 mg / lt
 Max : 115 mg / lt
 Rata-rata : 59 mg / lt

BOD OULET:

Min : 4 mg / lt
 Max : 12 mg / lt
 Rata-rata : 7 mg / lt

Mengetahui:
 Kepala Unit IPAL

SARJANT, S.I.
 NIP. 110 036 473

PENGENDALIAN KUALITAS AIR LIMBAH IPAL BANTUL
BULAN: JUNI 2008

| TANGGAL | PH | | SUHU (C) | | COD (mg/lt) | | BOD (mg/lt) | | DO (mg/lt) | | SS (mg/lt) | |
|---------|------|------|------------|------|-------------|-----|-------------|------|------------|-----|------------|-----|
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 2 Juni | 7,29 | 8,36 | 28,0 | 28,5 | 112 | 32 | 60 | 13 | 4,7 | 8,3 | 51 | 19 |
| 4 Juni | 7,14 | 7,36 | 28,0 | 29,0 | 384 | 64 | 96 | 11 | 3,8 | 6,6 | 244 | 10 |
| 7 Juni | 7,13 | 8,07 | 27,5 | 28,0 | 208 | 48 | 69 | 16 | 4,5 | 8,4 | 140 | 17 |
| 10 Juni | 7,36 | 8,20 | 28,5 | 29,0 | 360 | 64 | 130 | 9 | 3,5 | 7,0 | 72 | 9 |
| 12 Juni | 7,24 | 8,67 | 28,5 | 29,0 | 320 | 64 | 70 | 11 | 4,5 | 8,5 | 115 | 1 |
| 14 Juni | 7,15 | 8,36 | 28,0 | 29,0 | 352 | 48 | 100 | 10,5 | 3,0 | 8,4 | 23 | 1 |
| 17 Juni | 7,37 | 8,33 | 27,5 | 28,0 | 672 | 48 | 110 | 8 | 2,0 | 7,3 | 572 | 4 |
| 19 Juni | 7,27 | 8,27 | 27,5 | 28,0 | 480 | 64 | 124 | 13 | 3,6 | 7,5 | 158 | 5 |
| 21 Juni | 7,42 | 8,30 | 27,5 | 28,0 | 360 | 40 | 85 | 10 | 4,7 | 7,3 | 54 | 4 |
| 24 Juni | 7,17 | 8,27 | 27,5 | 27,5 | 480 | 64 | 120 | 16 | 3,6 | 7,0 | 360 | 2 |
| 26 Juni | 7,17 | 8,21 | 27,5 | 28,0 | 408 | 68 | 145 | 11 | 3,7 | 7,2 | 138 | 25 |
| 28 Juni | 7,24 | 7,87 | 27,0 | 27,5 | 304 | 68 | 105 | 11 | 4,0 | 6,0 | 116 | 1 |

DATA VOLUME AIR LIMBAH MASUK IPAL BANTUL BULAN JUNI 2008

| TANGGAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 6.077,6 | 6.441,4 | 5.498,9 | 6.506,5 | 6.195,3 | 6.377,2 | 6.024,1 | 5.275,1 | 5.778,0 | 4.423,1 | 5.752,6 | 6.675,0 |

| TANGGAL | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|----------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 6.368,3 | 6.473,5 | 11.053,1 | 5.553,3 | 5.942,2 | 4.857,8 | 6.270,2 | 6.484,2 | 6.505,6 | 5.467,7 | 11.131,1 | 5.831,5 |

| TANGGAL | 25 | 26 | 27 | 28 | 29 | 30 |
|---------|---------|---------|---------|---------|---------|---------|
| CUACA | CERAH | CERAH | CERAH | CERAH | CERAH | CERAH |
| M3/HARI | 6.024,1 | 7.222,5 | 4.408,2 | 7.211,8 | 5.735,2 | 6.858,7 |

VOLUME AIR LIMBAH MASUK:

Min : 4.408,2 m³ / hari
 Max : 11.131,1 m³ / hari
 Rata-rata : 6.344,1 m³ / hari
 Total : 190.323,8 m³

BOD INLET:

Min : 60 mg / lt
 Max : 145 mg / lt
 Rata-rata : 101,2 mg / lt

BOD OULET:

Min : 10 mg / lt
 Max : 16 mg / lt
 Rata-rata : 11,6 mg / lt

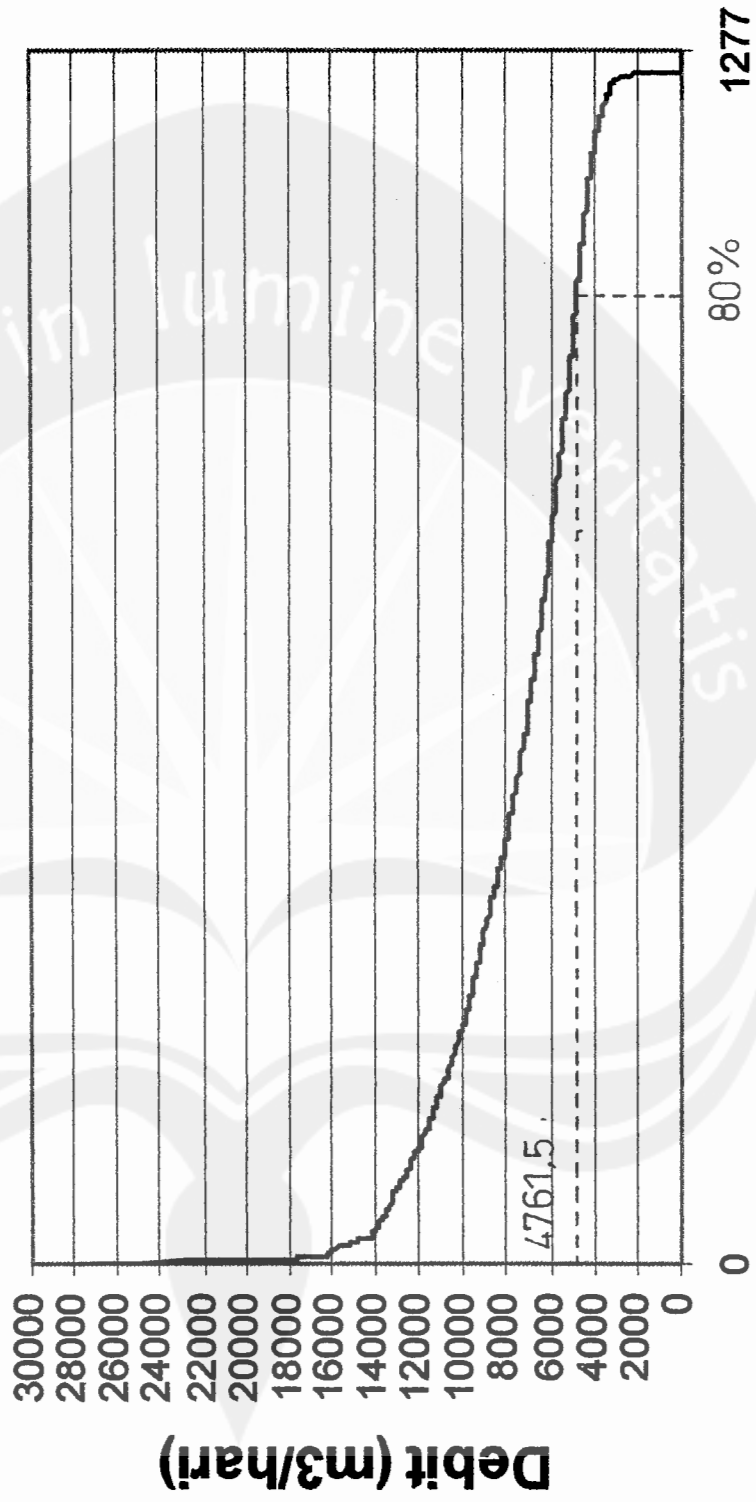
Mengetahui:
Kepala Unit IPAL

SARJANI, S.I.
NIP. 110 036 473



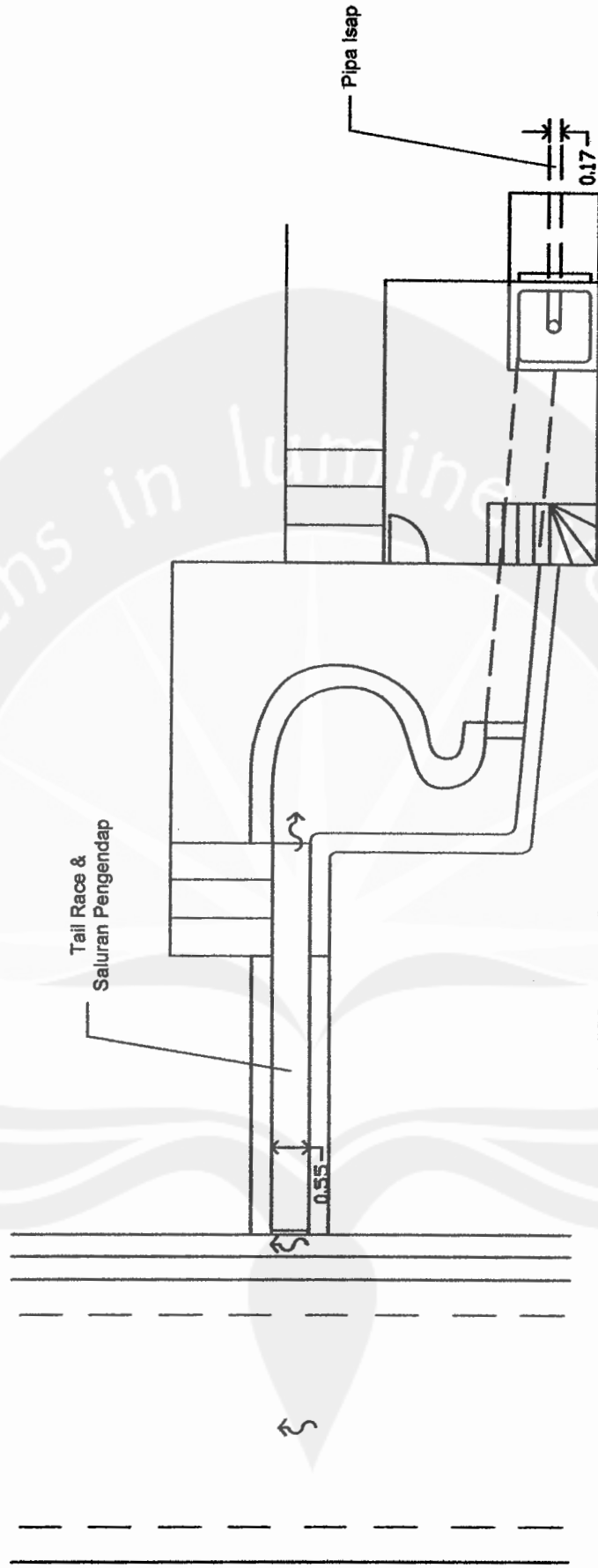
Lampiran 3
Garis masa debit bulan Januari 2005 – bulan Juni 2008

Garis Masa Debit 2005-2008



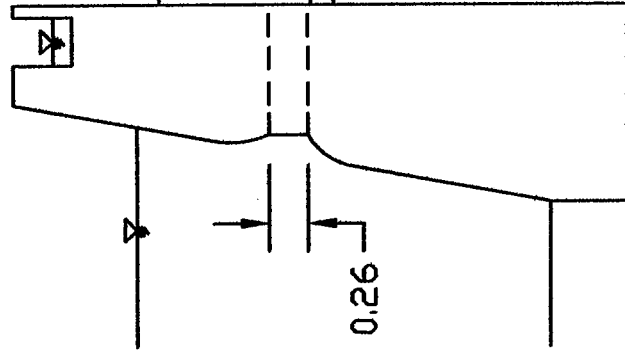


Lampiran 4
Gambar rencana ulang PLTMH Sewon berdasarkan
debit andalan IPAL Sewon



PLTMH SEWON

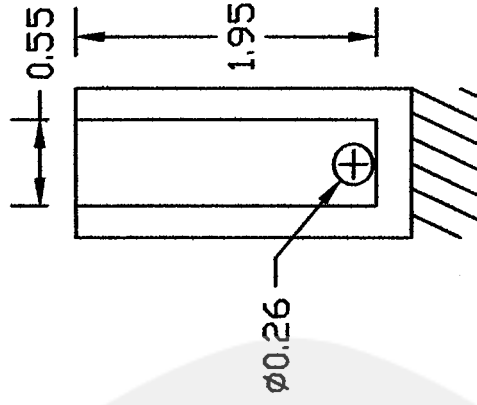
SKALA 1:100



A ←

1.00

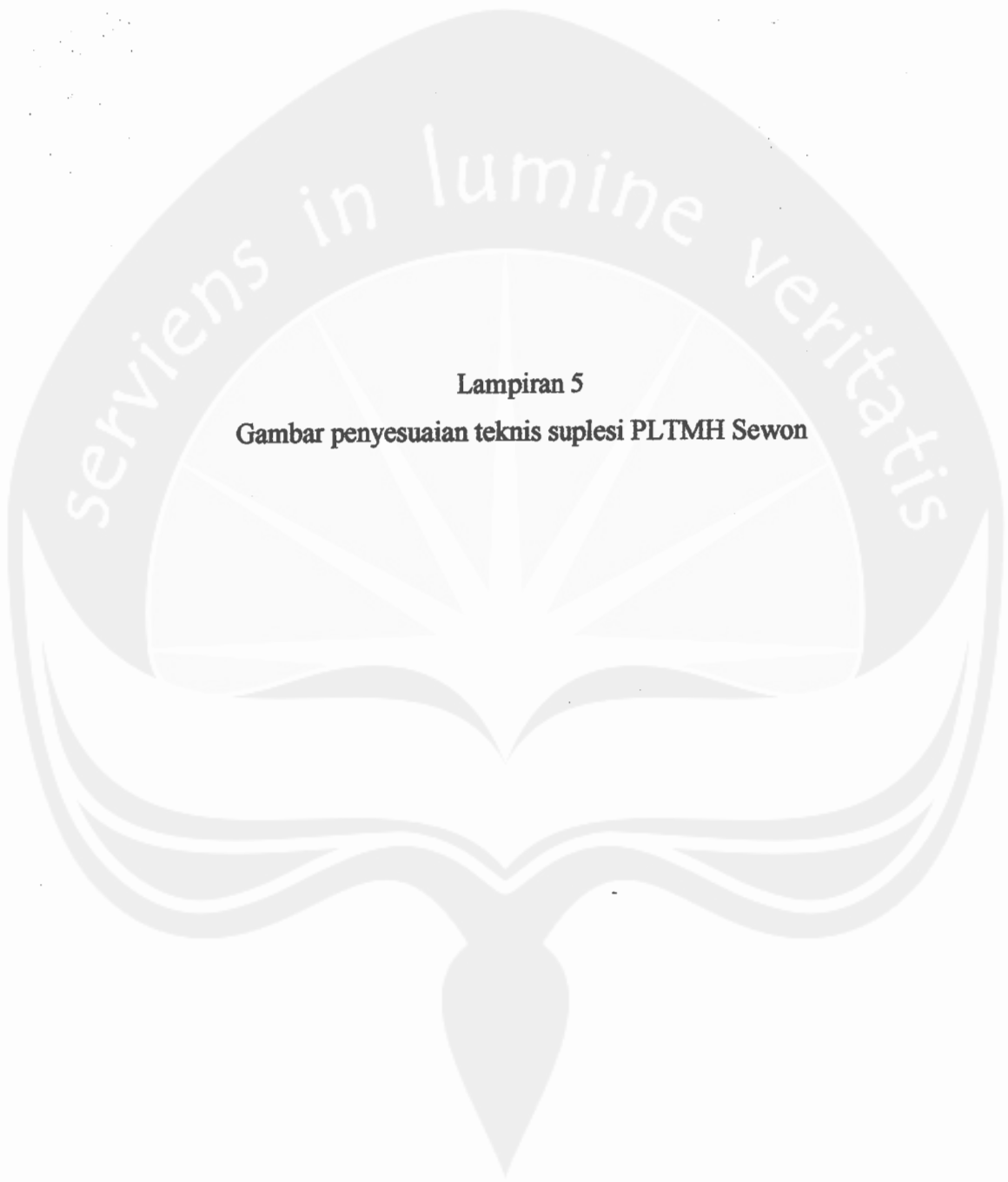
A ←



Potongan A-A

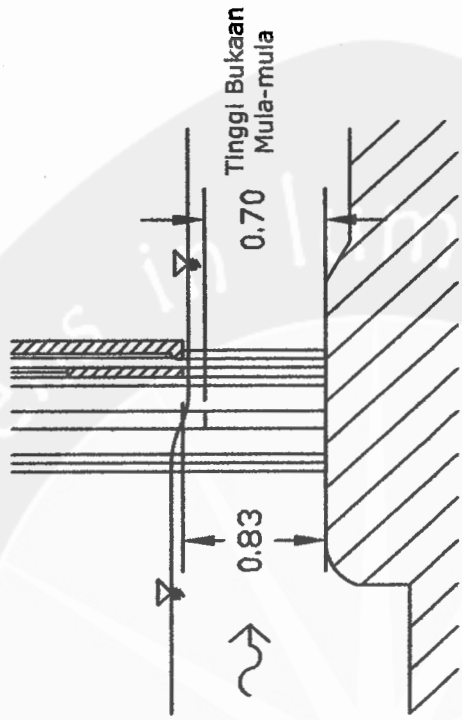
Tampang Melintang Saluran Pengambilan PLTMH Sewon

SKALA 1:50



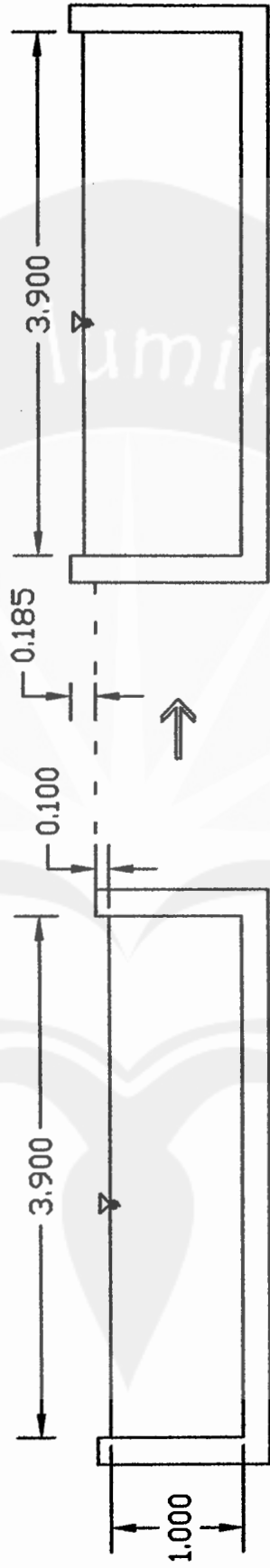
Lampiran 5

Gambar penyesuaian teknis suplesi PLTMH Sewon



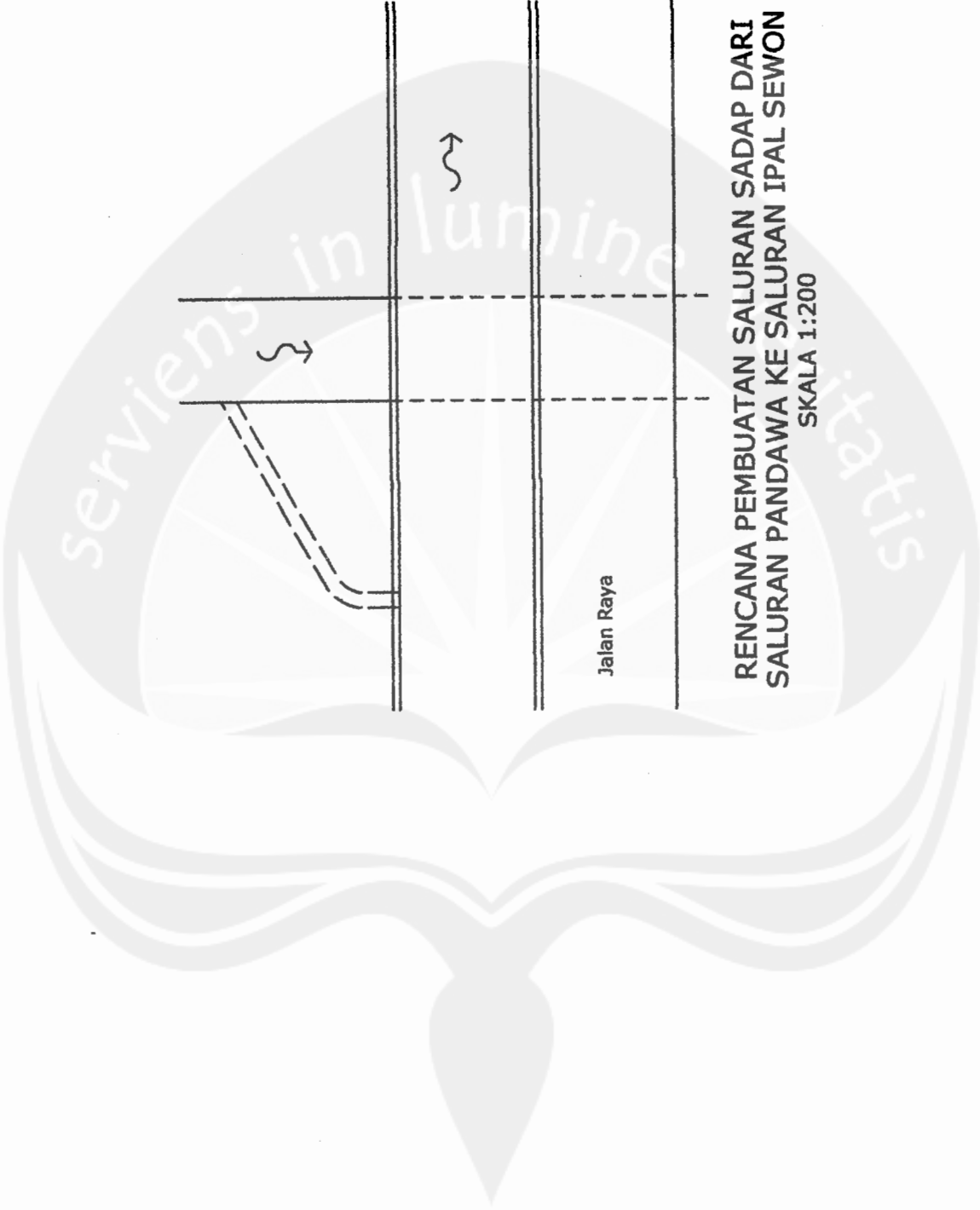
**PERANCANGAN PENAMBAHAN TINGGI BUKAAN PADA
BANGUNAN SADAP BENDUNG PENDOWO**

SKALA 1:50



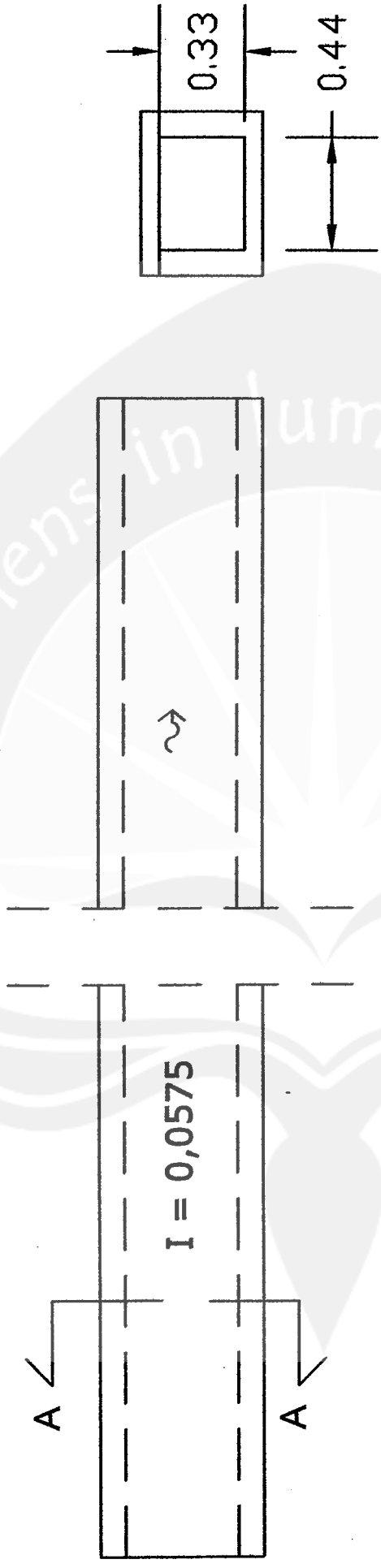
**TAMPANG LINTANG
SALURAN IRIGASI PENDAWA
(AWAL)
SKALA 1:50**

**TAMPANG LINTANG
SALURAN IRIGASI PENDAWA
SETELAH DITAMBAH SUPLESI
SKALA 1:50**



Jalan Raya

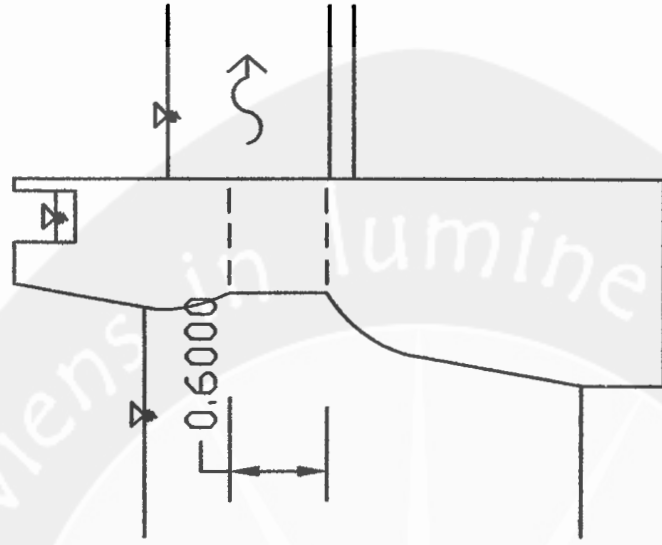
RENCANA PEMBUATAN SALURAN SADAP DARI
SALURAN PANDAWA KE SALURAN IPAL SEWON
SKALA 1:200



POTONGAN A-A

SALURAN SADAP DARI
SALURAN PANDAWA KE SALURAN IPAL SEWON

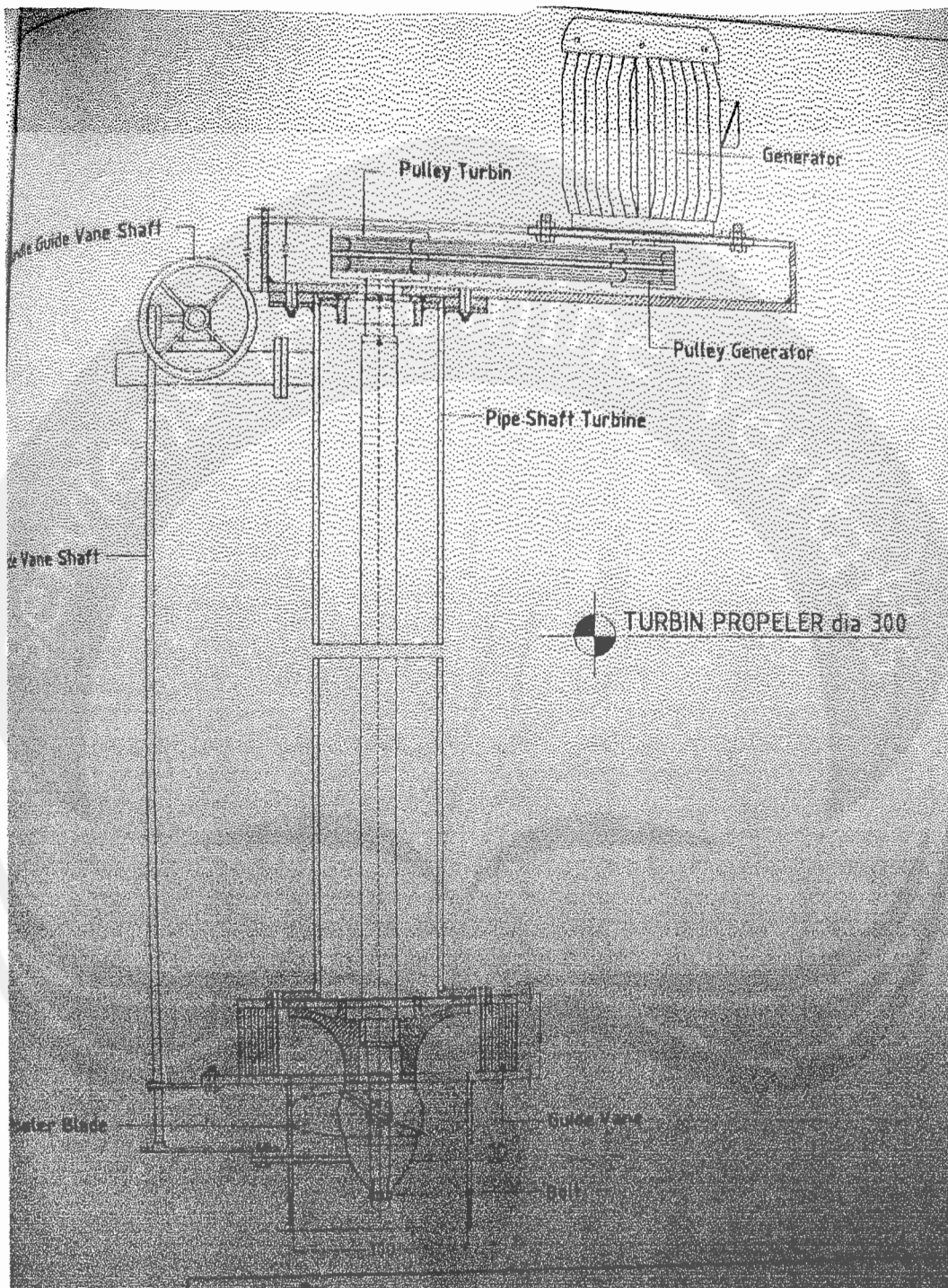
SKALA 1:25

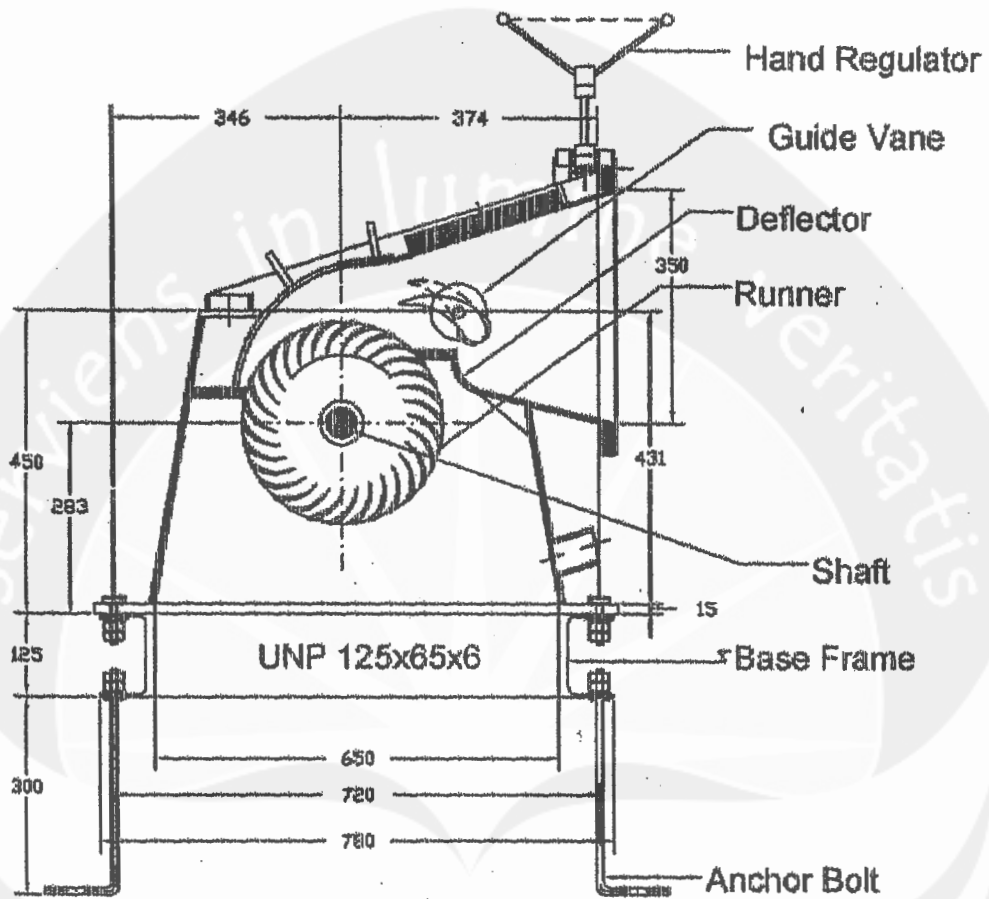


PENYESUAIAN BENTUK
BANGUNAN SADAP PLTMH SEWON
SKALA 1:50



Lampiran 6
Gambar contoh turbin mikrohidro





CROSS FLOW TURBINE (T 14, D Ø 300, B₀ = 115)

SKALA 1 : 10