

Hasil Uji Kerapatan Air

| Kode Sample | No Sample | Tetes | Tidak Tetes | Keterangan |
|-------------|-----------|-------|-------------|--|
| F1 | 1 | - | √ | air meresap, permukaan bawah genteng basah |
| | 2 | - | √ | |
| | 3 | - | √ | |
| | 4 | - | √ | |
| | 5 | - | √ | |
| F2 | 1 | - | √ | air meresap, permukaan bawah genteng tidak basah |
| | 2 | - | √ | |
| | 3 | - | √ | |
| | 4 | - | √ | |
| | 5 | - | √ | |
| F3 | 1 | - | √ | air meresap, permukaan bawah genteng tidak basah |
| | 2 | - | √ | |
| | 3 | - | √ | |
| | 4 | - | √ | |
| | 5 | - | √ | |
| F4 | 1 | - | √ | air meresap, permukaan bawah genteng tidak basah |
| | 2 | - | √ | |
| | 3 | - | √ | |
| | 4 | - | √ | |
| | 5 | - | √ | |
| F5 | 1 | - | √ | air meresap, permukaan bawah genteng tidak basah |
| | 2 | - | √ | |
| | 3 | - | √ | |
| | 4 | - | √ | |
| | 5 | - | √ | |
| F6 | 1 | - | √ | air meresap, permukaan bawah genteng basah |
| | 2 | - | √ | |
| | 3 | - | √ | |
| | 4 | - | √ | |
| | 5 | - | √ | |

Konsentrasi Cu

| Kode Sampel | Konsentrasi Awal (mg/l) 2 | Sampel Awal Hasil Pengukuran (mg/kg) 3 | Massa Katalis (mg) 4 | Kadar Cu | | Konsentrasi Pengukuran Akhir (mg/l) 7 | Sampel akhir | | Berat Cuplikan Genteng (mg) 10 | Berat Sampel Genteng (mg) 11 | Kadar Cu | | Efisiensi (%) 14 |
|-------------|------------------------------|---|-------------------------|-----------------|---------------------|--|-------------------------------|------------------------|-----------------------------------|---------------------------------|-------------------|----------------------|---------------------|
| | | | | Input (mg) 5 | Rata-rata (mg) 6 | | Hasil Pengukuran (mg/kg) 8 | Rata-rata (mg/kg) 9 | | | Output (mg) 12 | Rata-rata (mg) 13 | |
| 1 | | | | | | | | | | | | | |
| F1-1 | 16.7340 | 1673.40 | 0 | 0 | 0 | 0.10225 | 10.225 | | 10000 | 4500000 | 46.013 | | |
| F1-2 | 16.7340 | 1673.40 | 0 | 0 | 0 | 0.09368 | 9.368 | 8.5568 | 10000 | 4500000 | 42.156 | 38.506 | |
| F1-3 | 16.7340 | 1673.40 | 0 | 0 | 0 | 0.06078 | 6.078 | | 10000 | 4500000 | 27.349 | | |
| F2-1 | 16.7340 | 1673.40 | 100000 | 167.34 | 167.34 | 0.02956 | 2.956 | | 10000 | 4500000 | 13.302 | | |
| F2-2 | 16.7340 | 1673.40 | 100000 | 167.34 | 167.34 | 0.05155 | 5.155 | 4.1770 | 10000 | 4500000 | 23.198 | 18.797 | 88.767 |
| F2-3 | 16.7340 | 1673.40 | 100000 | 167.34 | 167.34 | 0.04420 | 4.420 | | 10000 | 4500000 | 19.890 | | |
| F3-1 | 16.7340 | 1673.40 | 200000 | 334.68 | 334.68 | 0.01789 | 1.789 | | 10000 | 4500000 | 8.050 | | |
| F3-2 | 16.7340 | 1673.40 | 200000 | 334.68 | 334.68 | 0.01118 | 1.118 | 1.6171 | 10000 | 4500000 | 5.032 | 7.277 | 97.826 |
| F3-3 | 16.7340 | 1673.40 | 200000 | 334.68 | 334.68 | 0.01944 | 1.944 | | 10000 | 4500000 | 8.749 | | |
| F4-1 | 16.7340 | 1673.40 | 300000 | 502.02 | 502.02 | 0.01492 | 1.492 | | 10000 | 4500000 | 6.715 | | |
| F4-2 | 16.7340 | 1673.40 | 300000 | 502.02 | 502.02 | 0.00000 | 0.000 | 0.4974 | 10000 | 4500000 | 0.000 | 2.238 | 99.554 |
| F4-3 | 16.7340 | 1673.40 | 300000 | 502.02 | 502.02 | 0.00000 | 0.000 | | 10000 | 4500000 | 0.000 | | |
| F5-1 | 16.7340 | 1673.40 | 400000 | 669.36 | 669.36 | 0.01803 | 1.803 | | 10000 | 4500000 | 8.114 | | |
| F5-2 | 16.7340 | 1673.40 | 400000 | 669.36 | 669.36 | 0.00504 | 0.504 | 1.0341 | 10000 | 4500000 | 2.267 | 4.653 | 99.305 |
| F5-3 | 16.7340 | 1673.40 | 400000 | 669.36 | 669.36 | 0.00796 | 0.796 | | 10000 | 4500000 | 3.580 | | |
| F6-1 | 16.7340 | 1673.40 | 500000 | 836.70 | 836.70 | 0.00000 | 0.000 | | 10000 | 4500000 | 0.000 | | |
| F6-2 | 16.7340 | 1673.40 | 500000 | 836.70 | 836.70 | 0.00772 | 0.772 | 0.2934 | 10000 | 4500000 | 3.474 | 1.320 | 99.842 |
| F6-3 | 16.7340 | 1673.40 | 500000 | 836.70 | 836.70 | 0.00108 | 0.108 | | 10000 | 4500000 | 0.487 | | |

Keterangan :

Kolom 4 = Kolom 3 x 100

Kolom 5 = (Kolom 3 x Kolom 4)/1000000

Kolom 9 = Kolom 8 x 100

Kolom 10 = ((Kolom 7 x Kolom 9)/1000000) x (Kolom 10 / Kolom 9)

Kolom 13 = ((Kolom 6 - Kolom 12)/(Kolom 6))x100%



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**DATA PEMERIKSAAN
 BERAT JENIS AGREGAT HALUS**

Nama benda uji : KATALIS
 Asat : PERTAMINA
 Keperluan : Tugas Akhir

Di periksa Oleh :
 1. Emzita Hudaya
 2. M.J Iman Setia
 Tanggal : 29 Juni 2005

- Alat – alat
 1. Gelas ukur kap 1000 ml
 2. Timbangan ketelitian
 3. Piring, sendok, Lap, Dll

| | Benda Uji 1 | | Benda Uji 2 | |
|---|-------------------------|------|-------------------------|------|
| Berat agregat (W) | 400 | Gram | 400 | Gram |
| Volume Air (V ₁) | 600 | Cc | 600 | Cc |
| Volume Air + Agregat (V ₂) | 795 | | 740 | |
| Berat Jenis (Bj) | 400 | | 400 | |
| $\frac{W}{V_2 - V_1}$ | $\frac{400}{795 - 600}$ | | $\frac{400}{740 - 600}$ | |
| | = 2.05 gr / ml | | = 2.86 gr / ml | |
| Berat Jenis rata-rata | 2.445 gr/ml | | | |

Catatan :

Yogyakarta,.....

Mengetahui
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| No. | Sample ID | Seq | El | Mean Signal (Absorbance) | Mean Sample | Standard Deviation | Samp Units |
|-----|-----------|-----|----|-----------------------------|----------------|-----------------------|---------------|
| 1 | G. F 1-1 | 11 | Ni | 0.008949 | 0.393947 | 0.020741 | mg/L |
| 2 | G. F 1-2 | 12 | Ni | 0.008940 | 0.393554 | 0.018333 | mg/L |
| 3 | G. F 1-3 | 13 | Ni | 0.004517 | 0.198838 | 0.005187 | mg/L |
| 4 | G. F 2-1 | 14 | Ni | 0.008353 | 0.367742 | 0.024000 | mg/L |
| 5 | G. F 2-2 | 15 | Ni | 0.010090 | 0.444196 | 0.036736 | mg/L |
| 6 | G. F 2-3 | 16 | Ni | 0.009990 | 0.439780 | 0.003396 | mg/L |
| 7 | G. F 3-1 | 17 | Ni | 0.014217 | 0.625859 | 0.018823 | mg/L |
| 8 | G. F 3-2 | 18 | Ni | 0.014250 | 0.627331 | 0.014701 | mg/L |
| 9 | G. F 3-3 | 19 | Ni | 0.014460 | 0.636557 | 0.008545 | mg/L |
| 10 | G. F 4-1 | 20 | Ni | 0.018941 | 0.833824 | 0.012593 | mg/L |
| 11 | G. F 4-2 | 21 | Ni | 0.017113 | 0.753347 | 0.034028 | mg/L |
| 12 | G. F 4-3 | 22 | Ni | 0.017211 | 0.757665 | 0.025618 | mg/L |
| 13 | G. F 5-1 | 23 | Ni | 0.023381 | 1.029325 | 0.017412 | mg/L |
| 14 | G. F 5-2 | 24 | Ni | 0.022916 | 1.008814 | 0.006793 | mg/L |
| 15 | G. F 5-3 | 25 | Ni | 0.021979 | 0.967593 | 0.010556 | mg/L |
| 16 | G. F 6-1 | 26 | Ni | 0.025303 | 1.113925 | 0.004859 | mg/L |
| 17 | G. F 6-2 | 27 | Ni | 0.028480 | 1.253779 | 0.005920 | mg/L |
| 18 | G. F 6-3 | 28 | Ni | 0.026561 | 1.169278 | 0.019355 | mg/L |

