

LAMPIRAN 1
DATA PENGAMATAN

Tabel 10. Data Pengamatan Aktual Digester *Fixed Dome Type*

| No. | Waktu (hari ke-) | Perbedaan Ketinggian Manometer (cm) |
|-----|---------------------|--|
| 1 | 10 | 149 |
| 2 | 12 | 145 |
| 3 | 14 | 144 |
| 4 | 16 | 144 |
| 5 | 18 | 147 |
| 6 | 20 | 150 |
| 7 | 22 | 150 |
| 8 | 24 | 149 |

Tabel 11. Data Pengamatan Tekanan Biogas Aktual Dalam Kompresor

| No. | waktu (hari ke-) | Tekanan Awal Biogas (bar) | Tekanan Akhir Biogas (bar) | | | | | |
|-----|---------------------|------------------------------|----------------------------|-------|-------|-------|-------|-------|
| | | | 50 W | 100 W | 150 W | 200 W | 250 W | 300 W |
| 1 | 10 | 8 | 6.00 | 5.25 | 4.00 | - | - | - |
| 2 | 12 | 8 | 6.25 | 5.50 | 4.25 | - | - | - |
| 3 | 14 | 8 | 6.25 | 5.50 | 4.25 | - | - | - |
| 4 | 16 | 8 | 6.75 | 6.00 | 4.75 | 3.25 | 2.25 | 1.25 |
| 5 | 18 | 8 | 6.75 | 6.00 | 4.75 | 3.25 | 2.25 | 1.25 |
| 6 | 20 | 8 | 7.00 | 6.25 | 5.25 | 3.50 | 2.50 | 1.75 |
| 7 | 22 | 8 | 7.00 | 6.25 | 5.25 | 3.50 | 2.50 | 1.75 |
| 8 | 24 | 8 | 7.00 | 6.25 | 5.00 | 3.50 | 2.50 | 1.75 |

Tabel 12. Data Hasil Analisa Nilai Kalor Biogas

| No. | waktu (hari ke-) | Gross Heating Value (GHV) (btu/cuft) |
|-----|---------------------|---|
| 1 | 10 | 511 |
| 2 | 12 | 519 |
| 3 | 14 | 528 |
| 4 | 16 | 527 |
| 5 | 18 | 527 |

Sumber : PT. Pertamina RU-III, Plaju., 2016.