

## LAMPIRAN HASIL DATA PENGUJIAN

1. Table pengujian torsi dan daya menggunakan alat penghemat bahan bakar dan tanpa alat penghemat bahan bakar

| Putaran (rpm), Torsi (N.m), Daya (P) |             |          |                                  |             |          |
|--------------------------------------|-------------|----------|----------------------------------|-------------|----------|
| dengan alat penghemat bahan bakar    |             |          | tanpa alat penghemat Bahan Bakar |             |          |
| Putaran (rpm)                        | Torsi (N.m) | Daya (P) | Putaran (rpm)                    | Torsi (N.m) | Daya (P) |
| 4250                                 | 7.88        | 5        | 4250                             | 7.82        | 4.8      |
| 4500                                 | 8.09        | 5.2      | 4500                             | 7.91        | 4.9      |
| 4750                                 | 8.42        | 5.6      | 4750                             | 8.01        | 5.1      |
| 4886                                 | 8.35        | 5.9      | 5000                             | 8.15        | 5.5      |
| 5000                                 | 8.58        | 6.3      | 5128                             | 8.42        | 5.9      |
| 5289                                 | 8.61        | 6.4      | 5500                             | 8.5         | 6.1      |
| 5500                                 | 8.52        | 6.6      | 5750                             | 8.47        | 6.3      |
| 5750                                 | 8.4         | 6.8      | 6000                             | 8.3         | 6.4      |
| 6000                                 | 8.53        | 7.2      | 6250                             | 8.42        | 6.8      |
| 6250                                 | 8.29        | 7.3      | 6500                             | 8.33        | 7        |
| 6500                                 | 8.28        | 7.6      | 6750                             | 8.16        | 7.2      |
| 6750                                 | 7.99        | 7.6      | 6903                             | 8.17        | 7.5      |
| 7000                                 | 7.88        | 7.8      | 7000                             | 7.82        | 7.4      |
| 7250                                 | 7.53        | 7.7      | 7420                             | 7.82        | 7.7      |
| 7540                                 | 7.44        | 7.9      | 7500                             | 7.43        | 7.6      |
| 7500                                 | 7.43        | 7.9      | 7750                             | 7.46        | 7.8      |
| 7750                                 | 6.92        | 7.6      | 7766                             | 7.22        | 7.7      |
| 8000                                 | 6.64        | 7.5      | 8000                             | 6.99        | 7.6      |
| 8250                                 | 6.42        | 7.5      | 8250                             | 6.41        | 7.3      |
| 8500                                 | 5.94        | 7.1      | 8500                             | 6.05        | 7.1      |
| 8750                                 | 5.4         | 6.7      | 8750                             | 5.75        | 6.9      |
| 9000                                 | 5.13        | 6.5      | 9000                             | 5.42        | 6.7      |
| 9250                                 | 4.86        | 6.4      | 9250                             | 5.05        | 6.4      |
| 9500                                 | 4.59        | 6.2      | 9500                             | 4.65        | 6.1      |
| 9750                                 | 3.99        | 5.5      | 9750                             | 4.27        | 5.7      |
| 10000                                | 3.34        | 4.7      | 10000                            | 3.88        | 5.4      |
| 10250                                | 3.15        | 4.5      | 10250                            | 3.47        | 4.9      |
| 10500                                | 3.1         | 4.1      | 10500                            | 2.7         | 3.6      |
| 10750                                | 2.77        | 3.8      | 10750                            | 2.5         | 3.8      |

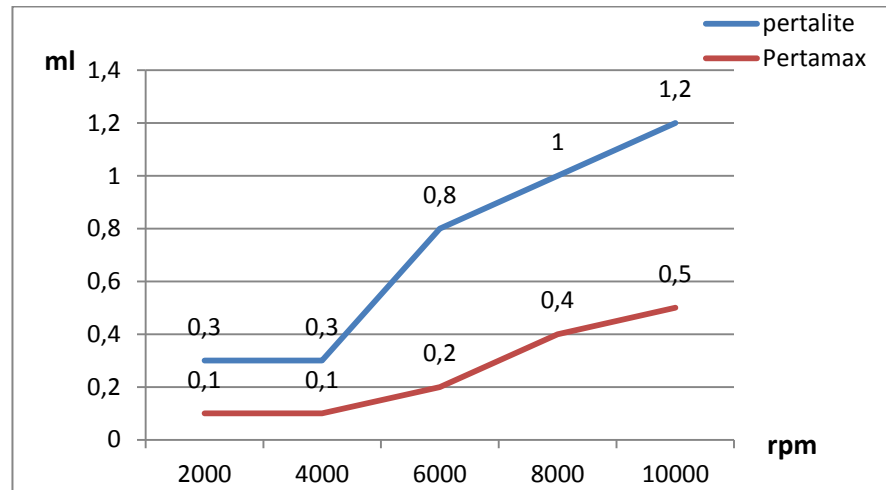
2. Tabel uji *Daynotest* konsumsi bahan bakar dengan menggunakan alat penghemat bahan bakar

| Dengan Alat Penghemat Bahan Bakar |                     |             |                           |               |                    |
|-----------------------------------|---------------------|-------------|---------------------------|---------------|--------------------|
| No                                | Putaran Mesin (rpm) | Bahan Bakar | Konsumsi Bahan Bakar (ml) | Waktu (detik) | <i>mf</i> (kg/jam) |
| 1                                 | 2000                | Pertamax    | 0.1                       | 10            | 0.026              |
|                                   |                     | Pertalite   | 0.3                       | 10            | 0.077              |
| 2                                 | 4000                | Pertamax    | 0.1                       | 10            | 0.026              |
|                                   |                     | Pertalite   | 0.3                       | 10            | 0.077              |
| 3                                 | 6000                | Pertamax    | 0.2                       | 10            | 0.052              |
|                                   |                     | Pertalite   | 0.8                       | 10            | 0.205              |
| 4                                 | 8000                | Pertamax    | 0.4                       | 10            | 0.104              |
|                                   |                     | Pertalite   | 1                         | 10            | 0.257              |
| 5                                 | 10000               | Pertamax    | 0.5                       | 10            | 0.131              |
|                                   |                     | Pertalite   | 1.2                       | 10            | 0.308              |

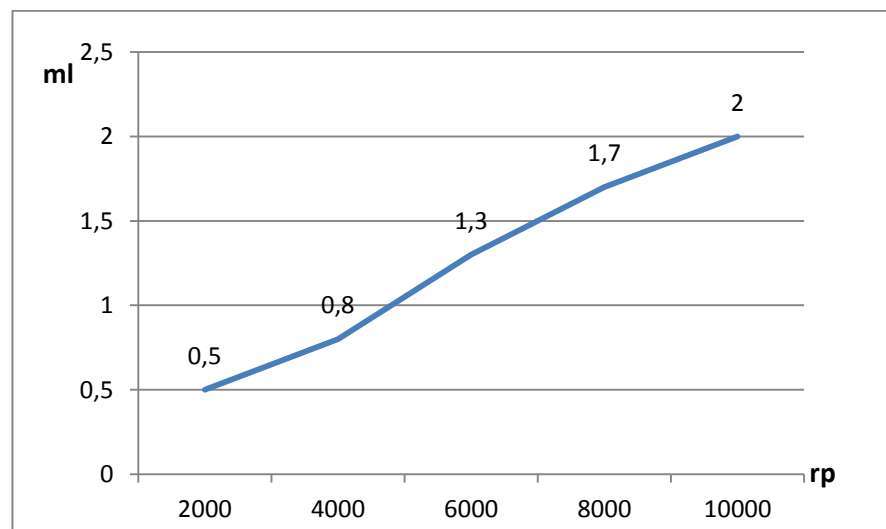
3. Tabel uji *Daynotest* konsumsi bahan bakar tanpa menggunakan alat penghemat bahan bakar

| Tanpa Alat Penghemat Bahan Bakar |                     |             |                           |               |                    |
|----------------------------------|---------------------|-------------|---------------------------|---------------|--------------------|
| No                               | Putaran Mesin (rpm) | Bahan Bakar | Konsumsi Bahan Bakar (ml) | Waktu (detik) | <i>mf</i> (kg/jam) |
| 1                                | 2000                | Pertalite   | 0.5                       | 10            | 0.128              |
| 2                                | 4000                | Pertalite   | 0.8                       | 10            | 0.205              |
| 3                                | 6000                | Pertalite   | 1.3                       | 10            | 0.334              |
| 4                                | 8000                | Pertalite   | 1.7                       | 10            | 0.437              |
| 5                                | 10000               | Pertalite   | 2                         | 10            | 0.514              |

4. Grafik konsumsi bahan bakar dengan menggunakan alat penghemat bahan bakar.



5. Grafik konsumsi bahan bakar dengan menggunakan alat penghemat bahan bakar.



6. Table perbandingan konsumsi bahan bakar uji jalan dengan menggunakan alat penghemat bahan bakar

| <b>konsumsi bahan bakar km/liter</b> |      |
|--------------------------------------|------|
| dengan alat                          | 68.4 |
| tanpa alat                           | 44.4 |

| <b>konsumsi bahan bakar ml/km</b> |       |
|-----------------------------------|-------|
| dengan alat                       | 14.62 |
| tanpa alat                        | 23.75 |