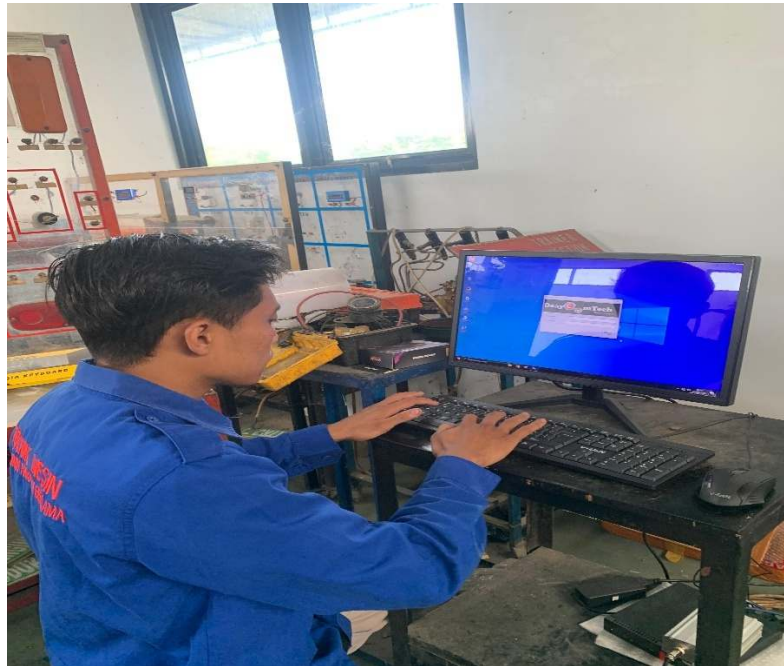


## DAFTAR LAMPIRAN

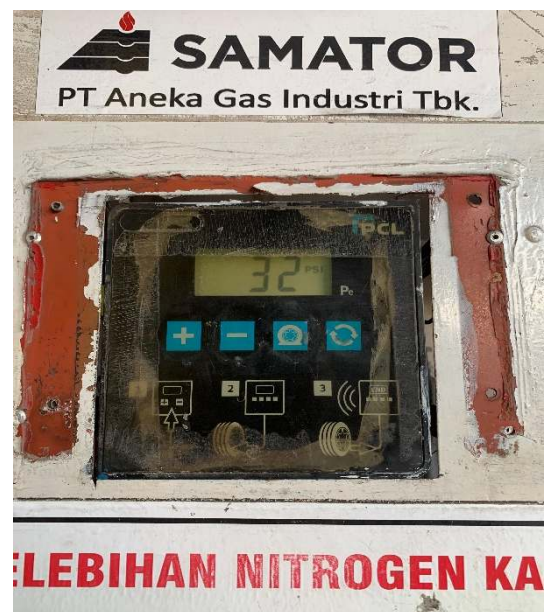
### Lampiran 1. Proses Pengujian





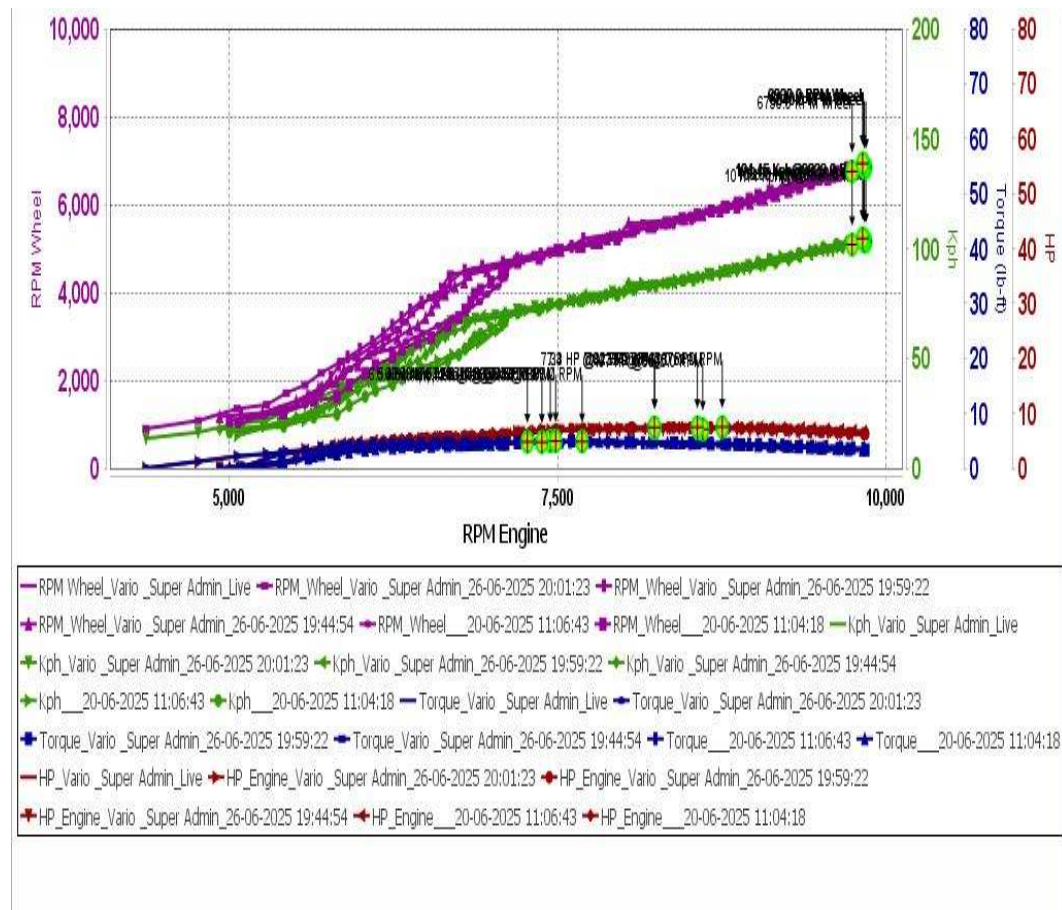


**Pengukuran Diameter Ban Dan Tekanan Ban**



## Lampiran 2. Data Hasil Uji Torsi Daya 125 cc

### Data hasil Uji Torsi Daya 125 cc Pertamina Murni



## Dyno Test Result

|                                                                            |
|----------------------------------------------------------------------------|
| — RPM Wheel_Vario _Super Admin_Live                                        |
| — RPM_Wheel_Vario _Super Admin_26-06-2025 20:01:23                         |
| — RPM_Wheel_Vario _Super Admin_26-06-2025 19:59:22                         |
| — RPM_Wheel_Vario _Super Admin_26-06-2025 19:44:54                         |
| — RPM_Wheel___20-06-2025 11:06:43 — RPM_Wheel___20-06-2025 11:04:18        |
| — Kph_Vario _Super Admin_Live — Kph_Vario _Super Admin_26-06-2025 20:01:23 |
| — Kph_Vario _Super Admin_26-06-2025 19:59:22                               |
| — Kph_Vario _Super Admin_26-06-2025 19:44:54 — Kph___20-06-2025 11:06:43   |
| — Kph___20-06-2025 11:04:18 — Torque_Vario _Super Admin_Live               |
| — Torque_Vario _Super Admin_26-06-2025 20:01:23                            |
| — Torque_Vario _Super Admin_26-06-2025 19:59:22                            |
| — Torque_Vario _Super Admin_26-06-2025 19:44:54                            |
| — Torque___20-06-2025 11:06:43 — Torque___20-06-2025 11:04:18              |
| — HP_Vario _Super Admin_Live                                               |
| — HP_Engine_Vario _Super Admin_26-06-2025 20:01:23                         |
| — HP_Engine_Vario _Super Admin_26-06-2025 19:59:22                         |
| — HP_Engine_Vario _Super Admin_26-06-2025 19:44:54                         |
| — HP_Engine___20-06-2025 11:06:43 — HP_Engine___20-06-2025 11:04:18        |

| Date&Time           | Engine | Owner       | Max RPM Wheel | Max Kph          | Max RPM Engine | Max Torque                 | Max HP           | Max AFR     |
|---------------------|--------|-------------|---------------|------------------|----------------|----------------------------|------------------|-------------|
| 26-06-2025 20:01:23 | Vario  | Super Admin | 6750          | 101.74 @9743 RPM | 9743           | 6.64 Nm4.88 lb-ft@7444 RPM | 7.33 HP@8239 RPM | 10@8239 RPM |
| 26-06-2025 19:59:22 | Vario  | Super Admin | 6840          | 103.09 @9848 RPM | 9848           | 6.69 Nm4.92 lb-ft@7606 RPM | 7.4 HP@8382 RPM  | 10@8382 RPM |
| 26-06-2025 19:44:54 | Vario  | Super Admin | 6840          | 103.09 @9836 RPM | 9836           | 6.42 Nm4.72 lb-ft@7524 RPM | 7.07 HP@8605 RPM | 10@8605 RPM |
| 20-06-2025 11:06:43 | Vario  | Super Admin | 6930          | 104.45 @9829 RPM | 9829           | 6.5 Nm4.78 lb-ft@7596 RPM  | 7.49 HP@8960 RPM | 10@8960 RPM |

|                        |       |             |      |                        |      |                                  |                     |             |
|------------------------|-------|-------------|------|------------------------|------|----------------------------------|---------------------|-------------|
| 20-06-2025<br>11:04:18 | Vario | Super Admin | 6930 | 104.45<br>@9823<br>RPM | 9823 | 6.57<br>Nm4.83<br>lb-ft@7818 RPM | 7.44<br>HP@8564 RPM | 10@8564 RPM |
|------------------------|-------|-------------|------|------------------------|------|----------------------------------|---------------------|-------------|



26-06-2025 20:01:23-Vario -Super Admin-Max Torque :6.64 Nm4.88 lb-ft@7444 RPM-Max HP: 7.33 HP@8239 RPM

| RPM Wheel | Kph   | RPM Engine | Torque | HP   | AFR   |
|-----------|-------|------------|--------|------|-------|
| 900.00    | 13.56 | 4364.00    | 0.02   | 0.02 | 10.00 |
| 1080.00   | 16.28 | 4761.00    | 1.25   | 1.13 | 10.00 |
| 1350.00   | 20.35 | 5058.00    | 2.20   | 2.12 | 10.00 |
| 1440.00   | 21.70 | 5282.00    | 2.58   | 2.59 | 10.00 |
| 1710.00   | 25.77 | 5433.00    | 2.95   | 3.05 | 10.00 |
| 1890.00   | 28.49 | 5574.00    | 3.21   | 3.41 | 10.00 |
| 2160.00   | 32.56 | 5699.00    | 3.46   | 3.75 | 10.00 |
| 2430.00   | 36.62 | 5851.00    | 3.68   | 4.10 | 10.00 |
| 2520.00   | 37.98 | 5965.00    | 3.82   | 4.34 | 10.00 |
| 2790.00   | 42.05 | 6096.00    | 3.95   | 4.59 | 10.00 |
| 2970.00   | 44.76 | 6203.00    | 4.06   | 4.80 | 10.00 |
| 3150.00   | 47.48 | 6285.00    | 4.15   | 4.97 | 10.00 |
| 3330.00   | 50.19 | 6339.00    | 4.23   | 5.10 | 10.00 |
| 3510.00   | 52.90 | 6388.00    | 4.29   | 5.22 | 10.00 |
| 3690.00   | 55.62 | 6457.00    | 4.34   | 5.34 | 10.00 |
| 3870.00   | 58.33 | 6530.00    | 4.39   | 5.46 | 10.00 |
| 3960.00   | 59.69 | 6605.00    | 4.42   | 5.56 | 10.00 |
| 4140.00   | 62.40 | 6622.00    | 4.45   | 5.61 | 10.00 |
| 4410.00   | 66.47 | 6683.00    | 4.46   | 5.68 | 10.00 |
| 4500.00   | 67.82 | 6872.00    | 4.47   | 5.85 | 10.00 |
| 4590.00   | 69.18 | 7025.00    | 4.71   | 6.30 | 10.00 |
| 4770.00   | 71.89 | 7189.00    | 4.82   | 6.60 | 10.00 |
| 4860.00   | 73.25 | 7326.00    | 4.84   | 6.75 | 10.00 |
| 4950.00   | 74.61 | 7444.00    | 4.88   | 6.92 | 10.00 |
| 5040.00   | 75.96 | 7612.00    | 4.87   | 7.06 | 10.00 |
| 5130.00   | 77.32 | 7757.00    | 4.85   | 7.16 | 10.00 |
| 5310.00   | 80.03 | 7917.00    | 4.80   | 7.24 | 10.00 |
| 5400.00   | 81.39 | 8099.00    | 4.73   | 7.29 | 10.00 |
| 5490.00   | 82.75 | 8239.00    | 4.67   | 7.33 | 10.00 |
| 5580.00   | 84.10 | 8375.00    | 4.59   | 7.32 | 10.00 |
| 5670.00   | 85.46 | 8527.00    | 4.50   | 7.31 | 10.00 |
| 5850.00   | 88.17 | 8645.00    | 4.41   | 7.26 | 10.00 |
| 5940.00   | 89.53 | 8795.00    | 4.32   | 7.23 | 10.00 |
| 6030.00   | 90.88 | 8920.00    | 4.22   | 7.17 | 10.00 |
| 6120.00   | 92.24 | 9044.00    | 4.12   | 7.09 | 10.00 |
| 6210.00   | 93.60 | 9154.00    | 4.01   | 6.99 | 10.00 |
| 6300.00   | 94.95 | 9253.00    | 3.91   | 6.88 | 10.00 |
| 6390.00   | 96.31 | 9345.00    | 3.80   | 6.76 | 10.00 |
| 6480.00   | 97.67 | 9433.00    | 3.70   | 6.65 | 10.00 |
| 6570.00   | 99.02 | 9596.00    | 3.61   | 6.60 | 10.00 |



|         |        |         |      |      |       |
|---------|--------|---------|------|------|-------|
| 6660.00 | 100.38 | 9680.00 | 3.51 | 6.48 | 10.00 |
| 6750.00 | 101.74 | 9743.00 | 3.41 | 6.32 | 10.00 |

26-06-2025 19:59:22-Vario -Super Admin-Max Torque :6.69 Nm4.92 lb-ft@7606 RPM-Max HP: 7.4 HP@8382 RPM

| RPM Wheel | Kph    | RPM Engine | Torque | HP   | AFR   |
|-----------|--------|------------|--------|------|-------|
| 1170.00   | 17.63  | 5089.00    | 0.01   | 0.01 | 10.00 |
| 1260.00   | 18.99  | 5393.00    | 0.63   | 0.64 | 10.00 |
| 1620.00   | 24.42  | 5600.00    | 1.79   | 1.90 | 10.00 |
| 1800.00   | 27.13  | 5702.00    | 2.42   | 2.63 | 10.00 |
| 2070.00   | 31.20  | 5773.00    | 2.92   | 3.21 | 10.00 |
| 2340.00   | 35.27  | 5833.00    | 3.32   | 3.69 | 10.00 |
| 2520.00   | 37.98  | 5900.00    | 3.60   | 4.05 | 10.00 |
| 2700.00   | 40.69  | 5994.00    | 3.81   | 4.34 | 10.00 |
| 2880.00   | 43.41  | 6088.00    | 3.96   | 4.59 | 10.00 |
| 3060.00   | 46.12  | 6170.00    | 4.08   | 4.80 | 10.00 |
| 3240.00   | 48.83  | 6239.00    | 4.18   | 4.97 | 10.00 |
| 3420.00   | 51.55  | 6310.00    | 4.26   | 5.12 | 10.00 |
| 3600.00   | 54.26  | 6377.00    | 4.33   | 5.25 | 10.00 |
| 3780.00   | 56.97  | 6464.00    | 4.38   | 5.39 | 10.00 |
| 3870.00   | 58.33  | 6565.00    | 4.42   | 5.52 | 10.00 |
| 4050.00   | 61.04  | 6647.00    | 4.45   | 5.63 | 10.00 |
| 4230.00   | 63.75  | 6680.00    | 4.48   | 5.70 | 10.00 |
| 4500.00   | 67.82  | 6791.00    | 4.49   | 5.81 | 10.00 |
| 4590.00   | 69.18  | 6925.00    | 4.50   | 5.94 | 10.00 |
| 4680.00   | 70.54  | 7083.00    | 4.51   | 6.08 | 10.00 |
| 4770.00   | 71.89  | 7192.00    | 4.74   | 6.49 | 10.00 |
| 4860.00   | 73.25  | 7369.00    | 4.91   | 6.89 | 10.00 |
| 4950.00   | 74.61  | 7485.00    | 4.92   | 7.02 | 10.00 |
| 5040.00   | 75.96  | 7606.00    | 4.92   | 7.12 | 10.00 |
| 5220.00   | 78.68  | 7696.00    | 4.87   | 7.14 | 10.00 |
| 5400.00   | 81.39  | 8060.00    | 4.80   | 7.36 | 10.00 |
| 5490.00   | 82.75  | 8237.00    | 4.72   | 7.40 | 10.00 |
| 5580.00   | 84.10  | 8382.00    | 4.63   | 7.40 | 10.00 |
| 5670.00   | 85.46  | 8520.00    | 4.55   | 7.38 | 10.00 |
| 5850.00   | 88.17  | 8663.00    | 4.46   | 7.36 | 10.00 |
| 5940.00   | 89.53  | 8795.00    | 4.37   | 7.32 | 10.00 |
| 6030.00   | 90.88  | 8902.00    | 4.27   | 7.24 | 10.00 |
| 6120.00   | 92.24  | 9030.00    | 4.17   | 7.17 | 10.00 |
| 6210.00   | 93.60  | 9135.00    | 4.06   | 7.07 | 10.00 |
| 6300.00   | 94.95  | 9242.00    | 3.96   | 6.98 | 10.00 |
| 6390.00   | 96.31  | 9334.00    | 3.86   | 6.86 | 10.00 |
| 6480.00   | 97.67  | 9419.00    | 3.75   | 6.72 | 10.00 |
| 6570.00   | 99.02  | 9502.00    | 3.65   | 6.59 | 10.00 |
| 6660.00   | 100.38 | 9649.00    | 3.54   | 6.51 | 10.00 |
| 6750.00   | 101.74 | 9721.00    | 3.45   | 6.38 | 10.00 |
| 6840.00   | 103.09 | 9848.00    | 3.34   | 6.27 | 10.00 |



26-06-2025 19:44:54-Vario -Super Admin-Max Torque :6.42 Nm4.72 lb-ft@7524 RPM-Max HP: 7.07  
HP@8605 RPM

| RPM<br>Wheel | Kph    | RPM<br>Engine | Torque | HP   | AFR   |
|--------------|--------|---------------|--------|------|-------|
| 1170.00      | 17.63  | 4925.00       | 0.04   | 0.04 | 10.00 |
| 1260.00      | 18.99  | 5252.00       | 0.64   | 0.64 | 10.00 |
| 1530.00      | 23.06  | 5508.00       | 1.53   | 1.60 | 10.00 |
| 1800.00      | 27.13  | 5676.00       | 2.23   | 2.41 | 10.00 |
| 1980.00      | 29.84  | 5811.00       | 2.67   | 2.95 | 10.00 |
| 2250.00      | 33.91  | 5871.00       | 3.05   | 3.41 | 10.00 |
| 2340.00      | 35.27  | 5979.00       | 3.27   | 3.72 | 10.00 |
| 2610.00      | 39.34  | 6061.00       | 3.47   | 4.01 | 10.00 |
| 2790.00      | 42.05  | 6170.00       | 3.64   | 4.27 | 10.00 |
| 2970.00      | 44.76  | 6278.00       | 3.77   | 4.50 | 10.00 |
| 3150.00      | 47.48  | 6374.00       | 3.87   | 4.70 | 10.00 |
| 3240.00      | 48.83  | 6435.00       | 3.94   | 4.83 | 10.00 |
| 3420.00      | 51.55  | 6494.00       | 4.00   | 4.95 | 10.00 |
| 3600.00      | 54.26  | 6538.00       | 4.06   | 5.05 | 10.00 |
| 3780.00      | 56.97  | 6581.00       | 4.10   | 5.14 | 10.00 |
| 3960.00      | 59.69  | 6643.00       | 4.15   | 5.24 | 10.00 |
| 4140.00      | 62.40  | 6717.00       | 4.18   | 5.35 | 10.00 |
| 4230.00      | 63.75  | 6788.00       | 4.21   | 5.44 | 10.00 |
| 4410.00      | 66.47  | 6824.00       | 4.23   | 5.50 | 10.00 |
| 4500.00      | 67.82  | 6963.00       | 4.25   | 5.64 | 10.00 |
| 4590.00      | 69.18  | 7095.00       | 4.48   | 6.06 | 10.00 |
| 4770.00      | 71.89  | 7225.00       | 4.66   | 6.41 | 10.00 |
| 4860.00      | 73.25  | 7380.00       | 4.72   | 6.64 | 10.00 |
| 4950.00      | 74.61  | 7524.00       | 4.72   | 6.77 | 10.00 |
| 5040.00      | 75.96  | 7660.00       | 4.71   | 6.87 | 10.00 |
| 5130.00      | 77.32  | 7778.00       | 4.66   | 6.90 | 10.00 |
| 5220.00      | 78.68  | 7876.00       | 4.63   | 6.94 | 10.00 |
| 5310.00      | 80.03  | 7970.00       | 4.57   | 6.93 | 10.00 |
| 5580.00      | 84.10  | 8040.00       | 4.51   | 6.91 | 10.00 |
| 5580.00      | 84.10  | 8303.00       | 4.45   | 7.03 | 10.00 |
| 5670.00      | 85.46  | 8469.00       | 4.38   | 7.06 | 10.00 |
| 5760.00      | 86.81  | 8605.00       | 4.31   | 7.07 | 10.00 |
| 5850.00      | 88.17  | 8736.00       | 4.25   | 7.06 | 10.00 |
| 5940.00      | 89.53  | 8865.00       | 4.17   | 7.04 | 10.00 |
| 6030.00      | 90.88  | 8965.00       | 4.09   | 6.98 | 10.00 |
| 6120.00      | 92.24  | 9074.00       | 4.00   | 6.92 | 10.00 |
| 6210.00      | 93.60  | 9168.00       | 3.91   | 6.82 | 10.00 |
| 6300.00      | 94.95  | 9262.00       | 3.82   | 6.74 | 10.00 |
| 6390.00      | 96.31  | 9339.00       | 3.73   | 6.63 | 10.00 |
| 6480.00      | 97.67  | 9430.00       | 3.64   | 6.53 | 10.00 |
| 6570.00      | 99.02  | 9557.00       | 3.54   | 6.44 | 10.00 |
| 6660.00      | 100.38 | 9630.00       | 3.43   | 6.28 | 10.00 |
| 6750.00      | 101.74 | 9743.00       | 3.33   | 6.17 | 10.00 |
| 6840.00      | 103.09 | 9836.00       | 3.23   | 6.05 | 10.00 |



20-06-2025 11:06:43-Vario-Super Admin-Max Torque :6.5 Nm4.78 lb-ft@7596 RPM-Max HP: 7.49

HP@8960 RPM

| RPM Wheel | Kph    | RPM Engine | Torque | HP   | AFR   |
|-----------|--------|------------|--------|------|-------|
| 990.00    | 14.92  | 5064.00    | 0.02   | 0.02 | 10.00 |
| 1350.00   | 20.35  | 5389.00    | 2.48   | 2.54 | 10.00 |
| 1440.00   | 21.70  | 5577.00    | 3.02   | 3.21 | 10.00 |
| 1710.00   | 25.77  | 5688.00    | 3.50   | 3.79 | 10.00 |
| 1890.00   | 28.49  | 5780.00    | 3.79   | 4.17 | 10.00 |
| 2070.00   | 31.20  | 5860.00    | 3.98   | 4.44 | 10.00 |
| 2250.00   | 33.91  | 5917.00    | 4.11   | 4.63 | 10.00 |
| 2430.00   | 36.62  | 5985.00    | 4.21   | 4.80 | 10.00 |
| 2610.00   | 39.34  | 6102.00    | 4.29   | 4.99 | 10.00 |
| 2700.00   | 40.69  | 6234.00    | 4.33   | 5.14 | 10.00 |
| 2880.00   | 43.41  | 6346.00    | 4.37   | 5.28 | 10.00 |
| 3060.00   | 46.12  | 6473.00    | 4.40   | 5.42 | 10.00 |
| 3240.00   | 48.83  | 6589.00    | 4.42   | 5.55 | 10.00 |
| 3420.00   | 51.55  | 6703.00    | 4.45   | 5.67 | 10.00 |
| 3600.00   | 54.26  | 6813.00    | 4.47   | 5.79 | 10.00 |
| 3780.00   | 56.97  | 6906.00    | 4.49   | 5.90 | 10.00 |
| 3960.00   | 59.69  | 6963.00    | 4.50   | 5.97 | 10.00 |
| 4140.00   | 62.40  | 7045.00    | 4.52   | 6.06 | 10.00 |
| 4320.00   | 65.11  | 7097.00    | 4.53   | 6.13 | 10.00 |
| 4680.00   | 70.54  | 7117.00    | 4.54   | 6.15 | 10.00 |
| 4770.00   | 71.89  | 7269.00    | 4.78   | 6.62 | 10.00 |
| 4860.00   | 73.25  | 7442.00    | 4.76   | 6.74 | 10.00 |
| 5040.00   | 75.96  | 7596.00    | 4.78   | 6.91 | 10.00 |
| 5130.00   | 77.32  | 7745.00    | 4.75   | 7.00 | 10.00 |
| 5220.00   | 78.68  | 7882.00    | 4.71   | 7.07 | 10.00 |
| 5310.00   | 80.03  | 8023.00    | 4.67   | 7.13 | 10.00 |
| 5580.00   | 84.10  | 8149.00    | 4.63   | 7.18 | 10.00 |
| 5670.00   | 85.46  | 8405.00    | 4.58   | 7.33 | 10.00 |
| 5760.00   | 86.81  | 8513.00    | 4.53   | 7.34 | 10.00 |
| 5940.00   | 89.53  | 8754.00    | 4.49   | 7.49 | 10.00 |
| 6030.00   | 90.88  | 8854.00    | 4.44   | 7.49 | 10.00 |
| 6120.00   | 92.24  | 8960.00    | 4.39   | 7.49 | 10.00 |
| 6210.00   | 93.60  | 9038.00    | 4.33   | 7.45 | 10.00 |
| 6300.00   | 94.95  | 9121.00    | 4.26   | 7.40 | 10.00 |
| 6390.00   | 96.31  | 9210.00    | 4.18   | 7.34 | 10.00 |
| 6480.00   | 97.67  | 9354.00    | 4.10   | 7.30 | 10.00 |
| 6570.00   | 99.02  | 9439.00    | 4.01   | 7.20 | 10.00 |
| 6660.00   | 100.38 | 9545.00    | 3.91   | 7.10 | 10.00 |
| 6750.00   | 101.74 | 9655.00    | 3.80   | 6.98 | 10.00 |
| 6840.00   | 103.09 | 9752.00    | 3.69   | 6.85 | 10.00 |
| 6930.00   | 104.45 | 9829.00    | 3.57   | 6.68 | 10.00 |

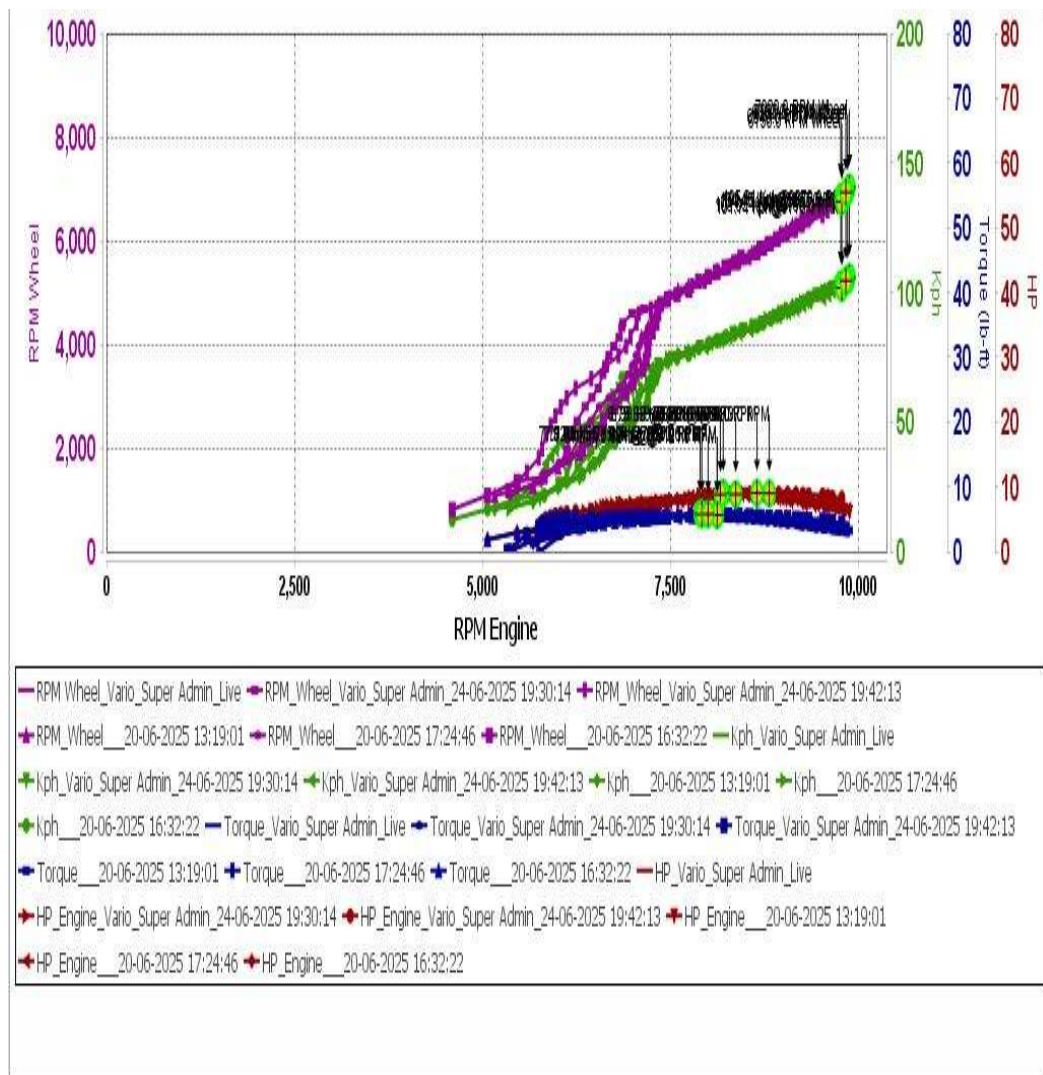
20-06-2025 11:04:18-Vario-Super Admin-Max Torque :6.57 Nm4.83 lb-ft@7818 RPM-Max HP: 7.44

HP@8564 RPM



| RPM Wheel | Kph    | RPM Engine | Torque | HP   | AFR   |
|-----------|--------|------------|--------|------|-------|
| 1080.00   | 16.28  | 5000.00    | 0.01   | 0.01 | 10.00 |
| 1260.00   | 18.99  | 5413.00    | 1.24   | 1.28 | 10.00 |
| 1530.00   | 23.06  | 5642.00    | 2.19   | 2.36 | 10.00 |
| 1620.00   | 24.42  | 5819.00    | 2.57   | 2.85 | 10.00 |
| 1890.00   | 28.49  | 5912.00    | 2.94   | 3.31 | 10.00 |
| 2160.00   | 32.56  | 6033.00    | 3.27   | 3.76 | 10.00 |
| 2340.00   | 35.27  | 6112.00    | 3.51   | 4.09 | 10.00 |
| 2520.00   | 37.98  | 6243.00    | 3.69   | 4.38 | 10.00 |
| 2700.00   | 40.69  | 6314.00    | 3.83   | 4.60 | 10.00 |
| 2880.00   | 43.41  | 6432.00    | 3.94   | 4.82 | 10.00 |
| 2970.00   | 44.76  | 6538.00    | 4.01   | 4.99 | 10.00 |
| 3240.00   | 48.83  | 6662.00    | 4.08   | 5.18 | 10.00 |
| 3420.00   | 51.55  | 6747.00    | 4.15   | 5.33 | 10.00 |
| 3600.00   | 54.26  | 6795.00    | 4.20   | 5.44 | 10.00 |
| 3780.00   | 56.97  | 6839.00    | 4.25   | 5.54 | 10.00 |
| 3960.00   | 59.69  | 6868.00    | 4.29   | 5.61 | 10.00 |
| 4050.00   | 61.04  | 6912.00    | 4.32   | 5.69 | 10.00 |
| 4230.00   | 63.75  | 6991.00    | 4.35   | 5.79 | 10.00 |
| 4410.00   | 66.47  | 7073.00    | 4.37   | 5.89 | 10.00 |
| 4500.00   | 67.82  | 7103.00    | 4.39   | 5.93 | 10.00 |
| 4680.00   | 70.54  | 7195.00    | 4.63   | 6.35 | 10.00 |
| 4770.00   | 71.89  | 7358.00    | 4.75   | 6.65 | 10.00 |
| 4950.00   | 74.61  | 7518.00    | 4.78   | 6.84 | 10.00 |
| 5040.00   | 75.96  | 7686.00    | 4.83   | 7.07 | 10.00 |
| 5130.00   | 77.32  | 7818.00    | 4.83   | 7.19 | 10.00 |
| 5220.00   | 78.68  | 7953.00    | 4.79   | 7.25 | 10.00 |
| 5400.00   | 81.39  | 8075.00    | 4.75   | 7.31 | 10.00 |
| 5490.00   | 82.75  | 8196.00    | 4.71   | 7.35 | 10.00 |
| 5580.00   | 84.10  | 8337.00    | 4.66   | 7.40 | 10.00 |
| 5670.00   | 85.46  | 8448.00    | 4.61   | 7.41 | 10.00 |
| 5760.00   | 86.81  | 8564.00    | 4.56   | 7.44 | 10.00 |
| 5850.00   | 88.17  | 8670.00    | 4.49   | 7.42 | 10.00 |
| 5940.00   | 89.53  | 8771.00    | 4.42   | 7.38 | 10.00 |
| 6030.00   | 90.88  | 8867.00    | 4.34   | 7.33 | 10.00 |
| 6120.00   | 92.24  | 8960.00    | 4.25   | 7.26 | 10.00 |
| 6210.00   | 93.60  | 9027.00    | 4.16   | 7.15 | 10.00 |
| 6300.00   | 94.95  | 9118.00    | 4.08   | 7.08 | 10.00 |
| 6390.00   | 96.31  | 9276.00    | 3.98   | 7.03 | 10.00 |
| 6480.00   | 97.67  | 9339.00    | 3.88   | 6.90 | 10.00 |
| 6570.00   | 99.02  | 9466.00    | 3.78   | 6.82 | 10.00 |
| 6660.00   | 100.38 | 9523.00    | 3.66   | 6.64 | 10.00 |
| 6750.00   | 101.74 | 9621.00    | 3.55   | 6.50 | 10.00 |
| 6840.00   | 103.09 | 9711.00    | 3.43   | 6.35 | 10.00 |
| 6930.00   | 104.45 | 9823.00    | 3.31   | 6.19 | 10.00 |

### Data Hasil Uji Torsi Daya 125 cc Pertamina Dan Etanol 20%





# Dyno Test Result

— RPM Wheel\_Vario\_Super Admin\_Live  
 — RPM\_Wheel\_Vario\_Super Admin\_24-06-2025 19:30:14  
 — RPM\_Wheel\_Vario\_Super Admin\_24-06-2025 19:42:13  
 — RPM\_Wheel\_\_\_20-06-2025 13:19:01 — RPM\_Wheel\_\_\_20-06-2025 17:24:46  
 — RPM\_Wheel\_\_\_20-06-2025 16:32:22 — Kph\_Vario\_Super Admin\_Live  
 — Kph\_Vario\_Super Admin\_24-06-2025 19:30:14  
 — Kph\_Vario\_Super Admin\_24-06-2025 19:42:13 — Kph\_\_\_20-06-2025 13:19:01  
 — Kph\_\_\_20-06-2025 17:24:46 — Kph\_\_\_20-06-2025 16:32:22  
 — Torque\_Vario\_Super Admin\_Live  
 — Torque\_Vario\_Super Admin\_24-06-2025 19:30:14  
 — Torque\_Vario\_Super Admin\_24-06-2025 19:42:13  
 — Torque\_\_\_20-06-2025 13:19:01 — Torque\_\_\_20-06-2025 17:24:46  
 — Torque\_\_\_20-06-2025 16:32:22 — HP\_Vario\_Super Admin\_Live  
 — HP\_Engine\_Vario\_Super Admin\_24-06-2025 19:30:14  
 — HP\_Engine\_Vario\_Super Admin\_24-06-2025 19:42:13  
 — HP\_Engine\_\_\_20-06-2025 13:19:01 — HP\_Engine\_\_\_20-06-2025 17:24:46  
 — HP\_Engine\_\_\_20-06-2025 16:32:22

| Date&Time           | Engine | Owner       | Max RPM Wheel | Max Kph          | Max RPM Engine | Max Torque                 | Max HP           | Max AFR     |
|---------------------|--------|-------------|---------------|------------------|----------------|----------------------------|------------------|-------------|
| 24-06-2025 19:30:14 | Vario  | Super Admin | 6840          | 103.09 @9765 RPM | 9765           | 7.9 Nm5.81 lb-ft@8055 RPM  | 8.99 HP@8201 RPM | 10@8201 RPM |
| 24-06-2025 19:42:13 | Vario  | Super Admin | 6750          | 101.74 @9778 RPM | 9778           | 7.71 Nm5.67 lb-ft@8121 RPM | 8.97 HP@8939 RPM | 10@8939 RPM |
| 20-06-2025 13:19:01 | Vario  | Super Admin | 7020          | 105.81 @9878 RPM | 9878           | 7.64 Nm5.62 lb-ft@8121 RPM | 8.82 HP@8368 RPM | 10@8368 RPM |
| 20-06-2025 17:24:46 | Vario  | Super Admin | 6930          | 104.45 @9855 RPM | 9855           | 7.79 Nm5.73 lb-ft@7917 RPM | 8.79 HP@8285 RPM | 10@8285 RPM |

|                        |       |             |      |                        |      |                                      |                        |                    |
|------------------------|-------|-------------|------|------------------------|------|--------------------------------------|------------------------|--------------------|
| 20-06-2025<br>16:32:22 | Vario | Super Admin | 6930 | 104.45<br>@9832<br>RPM | 9832 | 7.82<br>Nm5.75<br>lb-ft@800<br>0 RPM | 9.01<br>HP@8650<br>RPM | 10.86<br>50<br>RPM |
|------------------------|-------|-------------|------|------------------------|------|--------------------------------------|------------------------|--------------------|

DaaymTech

24-06-2025 19:30:14-Vario-Super Admin-Max Torque :7.9 Nm5.81 lb-ft@8055 RPM-Max HP: 8.99  
HP@8201 RPM

| RPM Wheel | Kph    | RPM Engine | Torque | HP   | AFR   |
|-----------|--------|------------|--------|------|-------|
| 1350.00   | 20.35  | 5765.00    | 0.01   | 0.01 | 10.00 |
| 1710.00   | 25.77  | 6043.00    | 2.47   | 2.84 | 10.00 |
| 1980.00   | 29.84  | 6124.00    | 3.56   | 4.15 | 10.00 |
| 2340.00   | 35.27  | 6177.00    | 4.37   | 5.13 | 10.00 |
| 2520.00   | 37.98  | 6259.00    | 4.77   | 5.69 | 10.00 |
| 2790.00   | 42.05  | 6364.00    | 5.07   | 6.15 | 10.00 |
| 2970.00   | 44.76  | 6455.00    | 5.25   | 6.46 | 10.00 |
| 3150.00   | 47.48  | 6538.00    | 5.37   | 6.68 | 10.00 |
| 3420.00   | 51.55  | 6602.00    | 5.47   | 6.88 | 10.00 |
| 3600.00   | 54.26  | 6638.00    | 5.54   | 7.00 | 10.00 |
| 3780.00   | 56.97  | 6684.00    | 5.58   | 7.11 | 10.00 |
| 3960.00   | 59.69  | 6744.00    | 5.62   | 7.21 | 10.00 |
| 4140.00   | 62.40  | 6818.00    | 5.64   | 7.32 | 10.00 |
| 4320.00   | 65.11  | 6852.00    | 5.65   | 7.37 | 10.00 |
| 4410.00   | 66.47  | 6866.00    | 5.64   | 7.38 | 10.00 |
| 4590.00   | 69.18  | 6989.00    | 5.64   | 7.50 | 10.00 |
| 4680.00   | 70.54  | 7146.00    | 5.62   | 7.65 | 10.00 |
| 4770.00   | 71.89  | 7333.00    | 5.60   | 7.82 | 10.00 |
| 4950.00   | 74.61  | 7518.00    | 5.58   | 7.98 | 10.00 |
| 5040.00   | 75.96  | 7725.00    | 5.55   | 8.16 | 10.00 |
| 5220.00   | 78.68  | 7894.00    | 5.81   | 8.74 | 10.00 |
| 5310.00   | 80.03  | 8055.00    | 5.81   | 8.92 | 10.00 |
| 5400.00   | 81.39  | 8201.00    | 5.76   | 8.99 | 10.00 |
| 5580.00   | 84.10  | 8331.00    | 5.64   | 8.95 | 10.00 |
| 5670.00   | 85.46  | 8479.00    | 5.54   | 8.94 | 10.00 |
| 5760.00   | 86.81  | 8603.00    | 5.41   | 8.87 | 10.00 |
| 5850.00   | 88.17  | 8736.00    | 5.29   | 8.81 | 10.00 |
| 5940.00   | 89.53  | 8846.00    | 5.18   | 8.72 | 10.00 |
| 6030.00   | 90.88  | 8957.00    | 5.04   | 8.60 | 10.00 |
| 6120.00   | 92.24  | 9049.00    | 4.90   | 8.45 | 10.00 |
| 6210.00   | 93.60  | 9149.00    | 4.77   | 8.31 | 10.00 |
| 6300.00   | 94.95  | 9233.00    | 4.63   | 8.14 | 10.00 |
| 6390.00   | 96.31  | 9334.00    | 4.49   | 7.98 | 10.00 |
| 6480.00   | 97.67  | 9386.00    | 4.35   | 7.77 | 10.00 |
| 6570.00   | 99.02  | 9520.00    | 4.21   | 7.64 | 10.00 |
| 6660.00   | 100.38 | 9590.00    | 4.08   | 7.44 | 10.00 |
| 6750.00   | 101.74 | 9674.00    | 3.94   | 7.26 | 10.00 |
| 6840.00   | 103.09 | 9765.00    | 3.82   | 7.09 | 10.00 |



24-06-2025 19:42:13-Vario-Super Admin-Max Torque :7.71 Nm5.67 lb-ft@8121 RPM-Max HP: 8.97

HP@8939 RPM

| RPM Wheel | Kph    | RPM Engine | Torque | HP   | AFR   |
|-----------|--------|------------|--------|------|-------|
| 1170.00   | 17.63  | 5330.00    | 0.02   | 0.02 | 10.00 |
| 1530.00   | 23.06  | 5589.00    | 2.57   | 2.73 | 10.00 |
| 1800.00   | 27.13  | 5748.00    | 3.70   | 4.05 | 10.00 |
| 1980.00   | 29.84  | 5793.00    | 4.21   | 4.65 | 10.00 |
| 2250.00   | 33.91  | 5841.00    | 4.60   | 5.11 | 10.00 |
| 2430.00   | 36.62  | 5906.00    | 4.82   | 5.42 | 10.00 |
| 2610.00   | 39.34  | 5970.00    | 4.97   | 5.65 | 10.00 |
| 2790.00   | 42.05  | 6041.00    | 5.07   | 5.83 | 10.00 |
| 2970.00   | 44.76  | 6121.00    | 5.13   | 5.98 | 10.00 |
| 3150.00   | 47.48  | 6238.00    | 5.18   | 6.15 | 10.00 |
| 3330.00   | 50.19  | 6447.00    | 5.22   | 6.40 | 10.00 |
| 3600.00   | 54.26  | 6657.00    | 5.26   | 6.67 | 10.00 |
| 3780.00   | 56.97  | 6810.00    | 5.29   | 6.86 | 10.00 |
| 3960.00   | 59.69  | 6910.00    | 5.32   | 7.00 | 10.00 |
| 4140.00   | 62.40  | 6968.00    | 5.34   | 7.08 | 10.00 |
| 4410.00   | 66.47  | 7048.00    | 5.36   | 7.20 | 10.00 |
| 4590.00   | 69.18  | 7078.00    | 5.38   | 7.26 | 10.00 |
| 4680.00   | 70.54  | 7237.00    | 5.39   | 7.43 | 10.00 |
| 4860.00   | 73.25  | 7438.00    | 5.40   | 7.65 | 10.00 |
| 5130.00   | 77.32  | 7788.00    | 5.39   | 8.00 | 10.00 |
| 5220.00   | 78.68  | 7957.00    | 5.66   | 8.58 | 10.00 |
| 5400.00   | 81.39  | 8121.00    | 5.67   | 8.76 | 10.00 |
| 5490.00   | 82.75  | 8275.00    | 5.61   | 8.85 | 10.00 |
| 5580.00   | 84.10  | 8412.00    | 5.57   | 8.91 | 10.00 |
| 5670.00   | 85.46  | 8554.00    | 5.49   | 8.93 | 10.00 |
| 5850.00   | 88.17  | 8670.00    | 5.41   | 8.94 | 10.00 |
| 5940.00   | 89.53  | 8813.00    | 5.34   | 8.97 | 10.00 |
| 6030.00   | 90.88  | 8939.00    | 5.27   | 8.97 | 10.00 |
| 6120.00   | 92.24  | 9057.00    | 5.19   | 8.96 | 10.00 |
| 6210.00   | 93.60  | 9168.00    | 5.11   | 8.93 | 10.00 |
| 6300.00   | 94.95  | 9259.00    | 5.03   | 8.87 | 10.00 |
| 6390.00   | 96.31  | 9337.00    | 4.92   | 8.75 | 10.00 |
| 6480.00   | 97.67  | 9523.00    | 4.81   | 8.72 | 10.00 |
| 6570.00   | 99.02  | 9590.00    | 4.69   | 8.57 | 10.00 |
| 6660.00   | 100.38 | 9652.00    | 4.57   | 8.40 | 10.00 |
| 6750.00   | 101.74 | 9778.00    | 4.43   | 8.25 | 10.00 |

20-06-2025 13:19:01-Vario-Super Admin-Max Torque :7.64 Nm5.62 lb-ft@8121 RPM-Max HP: 8.82

HP@8368 RPM

| RPM Wheel | Kph   | RPM Engine | Torque | HP   | AFR   |
|-----------|-------|------------|--------|------|-------|
| 1080.00   | 16.28 | 5162.00    | 0.00   | 0.00 | 10.00 |
| 1260.00   | 18.99 | 5673.00    | 1.23   | 1.33 | 10.00 |
| 1620.00   | 24.42 | 6006.00    | 2.46   | 2.82 | 10.00 |
| 1890.00   | 28.49 | 6290.00    | 3.23   | 3.87 | 10.00 |



|         |        |         |      |      |       |
|---------|--------|---------|------|------|-------|
| 2160.00 | 32.56  | 6428.00 | 3.77 | 4.61 | 10.00 |
| 2340.00 | 35.27  | 6553.00 | 4.10 | 5.11 | 10.00 |
| 2700.00 | 40.69  | 6666.00 | 4.42 | 5.61 | 10.00 |
| 2880.00 | 43.41  | 6761.00 | 4.64 | 5.97 | 10.00 |
| 3150.00 | 47.48  | 6901.00 | 4.82 | 6.33 | 10.00 |
| 3330.00 | 50.19  | 6986.00 | 4.95 | 6.59 | 10.00 |
| 3510.00 | 52.90  | 7045.00 | 5.05 | 6.78 | 10.00 |
| 3780.00 | 56.97  | 7077.00 | 5.15 | 6.93 | 10.00 |
| 4140.00 | 62.40  | 7114.00 | 5.20 | 7.05 | 10.00 |
| 4320.00 | 65.11  | 7202.00 | 5.24 | 7.19 | 10.00 |
| 4410.00 | 66.47  | 7281.00 | 5.27 | 7.30 | 10.00 |
| 4770.00 | 71.89  | 7358.00 | 5.27 | 7.39 | 10.00 |
| 4860.00 | 73.25  | 7446.00 | 5.27 | 7.47 | 10.00 |
| 5040.00 | 75.96  | 7600.00 | 5.27 | 7.62 | 10.00 |
| 5130.00 | 77.32  | 7739.00 | 5.26 | 7.75 | 10.00 |
| 5220.00 | 78.68  | 7863.00 | 5.24 | 7.84 | 10.00 |
| 5310.00 | 80.03  | 8002.00 | 5.49 | 8.37 | 10.00 |
| 5400.00 | 81.39  | 8121.00 | 5.62 | 8.68 | 10.00 |
| 5490.00 | 82.75  | 8259.00 | 5.60 | 8.80 | 10.00 |
| 5580.00 | 84.10  | 8368.00 | 5.54 | 8.82 | 10.00 |
| 5670.00 | 85.46  | 8472.00 | 5.44 | 8.78 | 10.00 |
| 5760.00 | 86.81  | 8583.00 | 5.35 | 8.75 | 10.00 |
| 5850.00 | 88.17  | 8690.00 | 5.21 | 8.63 | 10.00 |
| 5940.00 | 89.53  | 8764.00 | 5.08 | 8.48 | 10.00 |
| 6030.00 | 90.88  | 8878.00 | 4.92 | 8.32 | 10.00 |
| 6120.00 | 92.24  | 8960.00 | 4.77 | 8.14 | 10.00 |
| 6210.00 | 93.60  | 9041.00 | 4.62 | 7.95 | 10.00 |
| 6300.00 | 94.95  | 9121.00 | 4.44 | 7.72 | 10.00 |
| 6390.00 | 96.31  | 9264.00 | 4.28 | 7.55 | 10.00 |
| 6480.00 | 97.67  | 9316.00 | 4.12 | 7.30 | 10.00 |
| 6570.00 | 99.02  | 9430.00 | 3.96 | 7.11 | 10.00 |
| 6660.00 | 100.38 | 9538.00 | 3.81 | 6.92 | 10.00 |
| 6750.00 | 101.74 | 9606.00 | 3.67 | 6.71 | 10.00 |
| 6840.00 | 103.09 | 9693.00 | 3.52 | 6.49 | 10.00 |
| 6930.00 | 104.45 | 9807.00 | 3.37 | 6.29 | 10.00 |
| 7020.00 | 105.81 | 9878.00 | 3.22 | 6.06 | 10.00 |

20-06-2025 17:24:46-Vario -Super Admin-Max Torque :7.79 Nm5.73 lb-ft@7917 RPM-Max HP: 8.79

HP@8285 RPM

| RPM Wheel | Kph   | RPM Engine | Torque | HP   | AFR   |
|-----------|-------|------------|--------|------|-------|
| 1080.00   | 16.28 | 5365.00    | 0.03   | 0.03 | 10.00 |
| 1350.00   | 20.35 | 5721.00    | 1.94   | 2.11 | 10.00 |
| 1710.00   | 25.77 | 6019.00    | 3.28   | 3.76 | 10.00 |
| 1800.00   | 27.13 | 6151.00    | 3.74   | 4.38 | 10.00 |
| 2160.00   | 32.56 | 6272.00    | 4.22   | 5.03 | 10.00 |
| 2340.00   | 35.27 | 6330.00    | 4.51   | 5.43 | 10.00 |
| 2520.00   | 37.98 | 6440.00    | 4.70   | 5.76 | 10.00 |
| 2790.00   | 42.05 | 6551.00    | 4.87   | 6.07 | 10.00 |



|         |        |         |      |      |       |
|---------|--------|---------|------|------|-------|
| 2970.00 | 44.76  | 6685.00 | 4.99 | 6.35 | 10.00 |
| 3150.00 | 47.48  | 6824.00 | 5.08 | 6.60 | 10.00 |
| 3420.00 | 51.55  | 6942.00 | 5.16 | 6.83 | 10.00 |
| 3600.00 | 54.26  | 6999.00 | 5.23 | 6.97 | 10.00 |
| 3780.00 | 56.97  | 7043.00 | 5.28 | 7.08 | 10.00 |
| 3960.00 | 59.69  | 7082.00 | 5.32 | 7.17 | 10.00 |
| 4140.00 | 62.40  | 7130.00 | 5.35 | 7.27 | 10.00 |
| 4320.00 | 65.11  | 7206.00 | 5.38 | 7.38 | 10.00 |
| 4500.00 | 67.82  | 7260.00 | 5.40 | 7.46 | 10.00 |
| 4770.00 | 71.89  | 7338.00 | 5.40 | 7.54 | 10.00 |
| 4950.00 | 74.61  | 7473.00 | 5.40 | 7.69 | 10.00 |
| 5040.00 | 75.96  | 7633.00 | 5.40 | 7.84 | 10.00 |
| 5130.00 | 77.32  | 7767.00 | 5.67 | 8.38 | 10.00 |
| 5220.00 | 78.68  | 7917.00 | 5.73 | 8.64 | 10.00 |
| 5310.00 | 80.03  | 8042.00 | 5.67 | 8.69 | 10.00 |
| 5400.00 | 81.39  | 8163.00 | 5.66 | 8.79 | 10.00 |
| 5490.00 | 82.75  | 8285.00 | 5.57 | 8.79 | 10.00 |
| 5580.00 | 84.10  | 8391.00 | 5.49 | 8.77 | 10.00 |
| 5670.00 | 85.46  | 8508.00 | 5.40 | 8.75 | 10.00 |
| 5760.00 | 86.81  | 8600.00 | 5.29 | 8.67 | 10.00 |
| 5850.00 | 88.17  | 8710.00 | 5.18 | 8.60 | 10.00 |
| 5940.00 | 89.53  | 8789.00 | 5.07 | 8.49 | 10.00 |
| 6030.00 | 90.88  | 8894.00 | 4.94 | 8.36 | 10.00 |
| 6120.00 | 92.24  | 8965.00 | 4.80 | 8.20 | 10.00 |
| 6210.00 | 93.60  | 9055.00 | 4.67 | 8.04 | 10.00 |
| 6300.00 | 94.95  | 9205.00 | 4.52 | 7.92 | 10.00 |
| 6390.00 | 96.31  | 9256.00 | 4.37 | 7.70 | 10.00 |
| 6480.00 | 97.67  | 9377.00 | 4.22 | 7.53 | 10.00 |
| 6570.00 | 99.02  | 9439.00 | 4.05 | 7.29 | 10.00 |
| 6660.00 | 100.38 | 9541.00 | 3.91 | 7.10 | 10.00 |
| 6750.00 | 101.74 | 9668.00 | 3.75 | 6.90 | 10.00 |
| 6840.00 | 103.09 | 9752.00 | 3.59 | 6.67 | 10.00 |
| 6930.00 | 104.45 | 9855.00 | 3.43 | 6.43 | 10.00 |

20-06-2025 16:32:22-Vario -Super Admin-Max Torque :7.82 Nm5.75 lb-ft@8000 RPM-Max HP: 9.01  
HP@8650 RPM

| RPM Wheel | Kph   | RPM Engine | Torque | HP   | AFR   |
|-----------|-------|------------|--------|------|-------|
| 810.00    | 12.21 | 4596.00    | 0.00   | 0.00 | 10.00 |
| 1080.00   | 16.28 | 5066.00    | 1.85   | 1.78 | 10.00 |
| 1350.00   | 20.35 | 5460.00    | 2.87   | 2.99 | 10.00 |
| 1440.00   | 21.70 | 5821.00    | 3.23   | 3.58 | 10.00 |
| 1800.00   | 27.13 | 6121.00    | 3.67   | 4.28 | 10.00 |
| 1980.00   | 29.84 | 6331.00    | 3.95   | 4.76 | 10.00 |
| 2250.00   | 33.91 | 6485.00    | 4.19   | 5.17 | 10.00 |
| 2520.00   | 37.98 | 6609.00    | 4.40   | 5.53 | 10.00 |
| 2790.00   | 42.05 | 6762.00    | 4.58   | 5.89 | 10.00 |
| 3060.00   | 46.12 | 6904.00    | 4.74   | 6.22 | 10.00 |
| 3240.00   | 48.83 | 7001.00    | 4.85   | 6.47 | 10.00 |



|         |        |         |      |      |       |
|---------|--------|---------|------|------|-------|
| 3510.00 | 52.90  | 7130.00 | 4.96 | 6.74 | 10.00 |
| 3690.00 | 55.62  | 7175.00 | 5.05 | 6.90 | 10.00 |
| 3870.00 | 58.33  | 7199.00 | 5.11 | 7.01 | 10.00 |
| 4140.00 | 62.40  | 7204.00 | 5.18 | 7.10 | 10.00 |
| 4230.00 | 63.75  | 7255.00 | 5.22 | 7.21 | 10.00 |
| 4410.00 | 66.47  | 7306.00 | 5.25 | 7.31 | 10.00 |
| 4590.00 | 69.18  | 7331.00 | 5.28 | 7.37 | 10.00 |
| 4770.00 | 71.89  | 7369.00 | 5.30 | 7.44 | 10.00 |
| 4860.00 | 73.25  | 7462.00 | 5.32 | 7.55 | 10.00 |
| 4950.00 | 74.61  | 7589.00 | 5.60 | 8.09 | 10.00 |
| 5040.00 | 75.96  | 7743.00 | 5.69 | 8.38 | 10.00 |
| 5220.00 | 78.68  | 7874.00 | 5.70 | 8.55 | 10.00 |
| 5310.00 | 80.03  | 8000.00 | 5.75 | 8.76 | 10.00 |
| 5400.00 | 81.39  | 8110.00 | 5.73 | 8.85 | 10.00 |
| 5490.00 | 82.75  | 8225.00 | 5.70 | 8.93 | 10.00 |
| 5580.00 | 84.10  | 8354.00 | 5.65 | 8.98 | 10.00 |
| 5670.00 | 85.46  | 8438.00 | 5.57 | 8.95 | 10.00 |
| 5760.00 | 86.81  | 8650.00 | 5.47 | 9.01 | 10.00 |
| 5850.00 | 88.17  | 8738.00 | 5.35 | 8.90 | 10.00 |
| 5940.00 | 89.53  | 8826.00 | 5.23 | 8.79 | 10.00 |
| 6030.00 | 90.88  | 8915.00 | 5.09 | 8.64 | 10.00 |
| 6120.00 | 92.24  | 8990.00 | 4.95 | 8.47 | 10.00 |
| 6210.00 | 93.60  | 9126.00 | 4.81 | 8.35 | 10.00 |
| 6300.00 | 94.95  | 9196.00 | 4.64 | 8.13 | 10.00 |
| 6390.00 | 96.31  | 9262.00 | 4.49 | 7.92 | 10.00 |
| 6480.00 | 97.67  | 9360.00 | 4.34 | 7.73 | 10.00 |
| 6570.00 | 99.02  | 9457.00 | 4.17 | 7.51 | 10.00 |
| 6660.00 | 100.38 | 9548.00 | 4.00 | 7.27 | 10.00 |
| 6750.00 | 101.74 | 9655.00 | 3.83 | 7.05 | 10.00 |
| 6840.00 | 103.09 | 9737.00 | 3.66 | 6.78 | 10.00 |
| 6930.00 | 104.45 | 9832.00 | 3.49 | 6.53 | 10.00 |

### Lampiran 3. Pengajuan Kesiediaan Pembimbing

Lampiran A.2 : Formulir Kesiediaan Pembimbing dan Judul Tugas Akhir



**POLITEKNIK HARAPAN BERSAMA**  
The True Vocational Campus

#### PENGAJUAN KESEDIAAN PEMBIMBING DAN JUDUL TUGAS AKHIR

Kami yang bertanda tangan dibawah ini :

| No | NIDN/NUPN  | Nama (lengkap dengan gelar) | Keterangan    |
|----|------------|-----------------------------|---------------|
| 1  | 0616079002 | Faqih Fatkhurrozak, M.T     | Pembimbing I  |
| 2  | 0607128303 | Andre Budhi Hendrawan, M.T  | Pembimbing II |

Menyatakan **BERSEDIA / TIDAK BERSEDIA** membimbing Tugas Akhir mahasiswa berikut :

| No                 | NIM      | Nama Mahasiswa                 | Kelas |
|--------------------|----------|--------------------------------|-------|
| 1                  | 22021016 | Dendy Prasetyo                 | 6C    |
| 2                  | 22021003 | Annas Zulfan Udin              | 6C    |
| 3                  | 22021001 | Galang Augustha Ethik Prasodjo | 6C    |
| 4                  | 22021006 | Eki Agustian                   | 6C    |
| 5                  | 22021020 | Setiyo Budi Gagah Pratama      | 6C    |
| 6                  | 20020024 | Nasrullah Husni Mubarak        | 6C    |
| Produk Tugas Akhir |          | Dyno Test                      |       |

Sesuai dengan waktu yang telah disepakati, Tugas Akhir dilaksanakan mulai bulan

Maret tahun 2025 sampai dengan pelaksanaan Sidang Tugas Akhir bulan

Juli tahun 2025

Tegal, 7 Maret 2025

Pembimbing 1,

(Faqih Fatkhurrozak, M.T)  
NIDN. 0616079002

Pembimbing 2,

(Andre Budhi Hendrawan, M.T)  
NIDN. 0607128303

Ketua Program Studi  
Diploma III Teknik Mesin



M. Khumaidi Usman, M.Eng  
NIPY. 01.015.263

#### Lampiran 4. Lembar Bimbingan Tugas Akhir

### LEMBAR BIMBINGAN TUGAS AKHIR

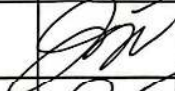
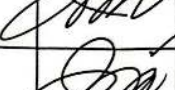
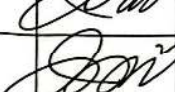
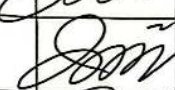
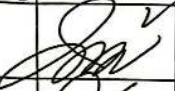
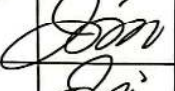
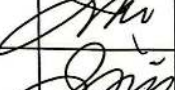
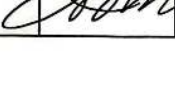


|                             |                                                                                                                                |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Nama Mahasiswa              | Dendy Prasetyo                                                                                                                 |
| Nomor Induk Mahasiswa       | 220021016                                                                                                                      |
| Nama Pembimbing Tugas Akhir | Faqih Fatkhurrozak, M.T & Andre Budhi Hendrawan, M.T                                                                           |
| Judul Laporan Tugas Akhir   | PENGUJIAN PENGGUNAAN BAHAN BAKAR CAMPURAN PERTAMAX DAN ETANOL 20% TERHADAP TORSI DAYA MESIN BENSIN 125 CC MENGGUNAKAN DYNOTEST |
|                             |                                                                                                                                |
|                             |                                                                                                                                |

**PROGRAM STUDI DIII TEKNIK MESIN  
POLITEKNIK HARAPAN BERSAMA TEGAL**

**2025**

| Rekap Pembimbingan Penyusunan Laporan Tugas Akhir |        |           |                                   |                                                                                       |
|---------------------------------------------------|--------|-----------|-----------------------------------|---------------------------------------------------------------------------------------|
| PEMBIMBING I                                      |        | Nama      | Faqih fatkhurrozaq, M.T           |                                                                                       |
|                                                   |        | NIDN/NUPN | 0616079002                        |                                                                                       |
| No                                                | Hari   | Tanggal   | Uraian                            | Tanda Tangan                                                                          |
| 1                                                 | Senin  | 21/09/25  | Bimbingan Bab I                   |    |
| 2                                                 | Kamis  | 24/09/25  | Revisi Bab I dan Bimbingan Bab II |    |
| 3                                                 | Senin  | 29/09/25  | Bimbingan Bab II                  |   |
| 4                                                 | Rabu   | 01/10/25  | Bimbingan Bab III                 |  |
| 5                                                 | Rabu   | 18/09/25  | Revisi Bab III                    |  |
| 6                                                 | Rabu   | 25/09/25  | Bimbingan Bab IV                  |  |
| 7                                                 | Senin  | 30/09/25  | Revisi Bab IV                     |  |
| 8                                                 | Selasa | 01/10/25  | Bimbingan Bab V                   |  |
| 9                                                 | Rabu   | 02/10/25  | Revisi Bab V                      |  |
| 10                                                | Jumat  | 04/10/25  | ACC                               |  |

| Rekap Pembimbingan Penyusunan Laporan Tugas Akhir |        |           |                                 |                                                                                       |
|---------------------------------------------------|--------|-----------|---------------------------------|---------------------------------------------------------------------------------------|
| PEMBIMBING II                                     |        | Nama      | Andre Budhi Hindrawan, M.T      |                                                                                       |
|                                                   |        | NIDN/NUPN | 0607128303                      |                                                                                       |
| No                                                | Hari   | Tanggal   | Uraian                          | Tanda Tangan                                                                          |
| 1                                                 | Senin  | 21/4/25   | Bimbingan Bab I                 |    |
| 2                                                 | Kamis  | 24/4/25   | Review Bab I & Bimbingan Bab II |    |
| 3                                                 | Senin  | 2/5/25    | Bimbingan Bab II                |   |
| 4                                                 | Rabu   | 4/5/25    | Bimbingan Bab III               |  |
| 5                                                 | Rabu   | 18/6/25   | Review Bab III                  |  |
| 6                                                 | Rabu   | 25/6/25   | Bimbingan Bab IV                |  |
| 7                                                 | Senin  | 30/6/25   | Review Bab IV                   |  |
| 8                                                 | Selasa | 1/7/25    | Bimbingan Bab V                 |  |
| 9                                                 | Rabu   | 2/7/25    | Review Bab V                    |  |
| 10                                                | Jumat  | 4/7/25    | Selesai                         |  |