

LAMPIRAN

Proses Pengujian



Lampiran 1. 1 sepeda motor dinaikan ke dynnotes



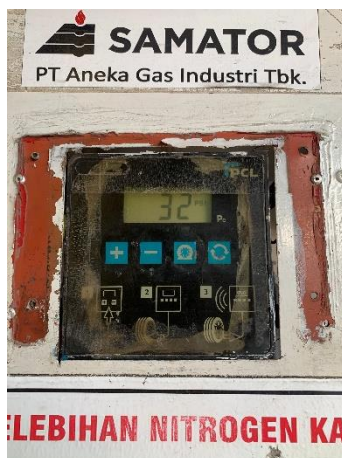
Lampiran 1. 2 Blending bahan bakar



Lampiran 1. 3 masuk bahan bakar ke buret



Lampiran 1. 4 menyalakan mesin motor



Lampiran 1. 5 pengukuran tekanan angin 32 psi



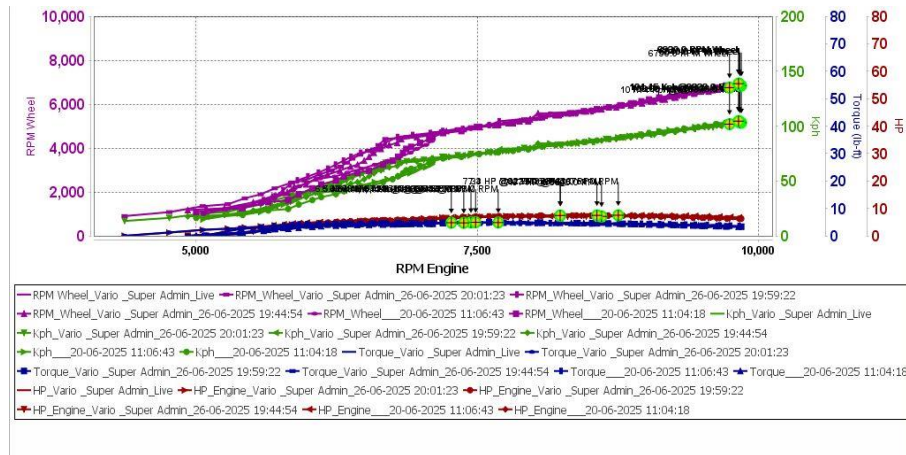
Lampiran 1. 6 Hasil pengujian



Lampiran 1. 7 Pengukuran diameter ban 48 cm

Data Hasil Uji Torsi Daya 125 cc

Data Hasil Uji Torsi Daya 125 cc Pertamina Murni



Lampiran 1. 8 Grafik torsi dan daya pertamax 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@744 RPM	7.33 HP@8239 RPM	10@8239 RPM
26-06-2025 19:59:22	Vario	Super Admin	6840	103.09 @9846 RPM	9846	6.69 Nm4.92 lb-ft@760 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@752 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@759 RPM	7.49 HP@8960 RPM	10@8960 RPM

20-06-2025 11:04:18	Vario	Super Admin	6930	104.45 @9823 RPM	9823	6.57 Nm4.83 lb-ft@7918 RPM	7.44 HP@6564 RPM	DaayComTech 10@85 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	8522.00	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 Wheel	Kph	RPM 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

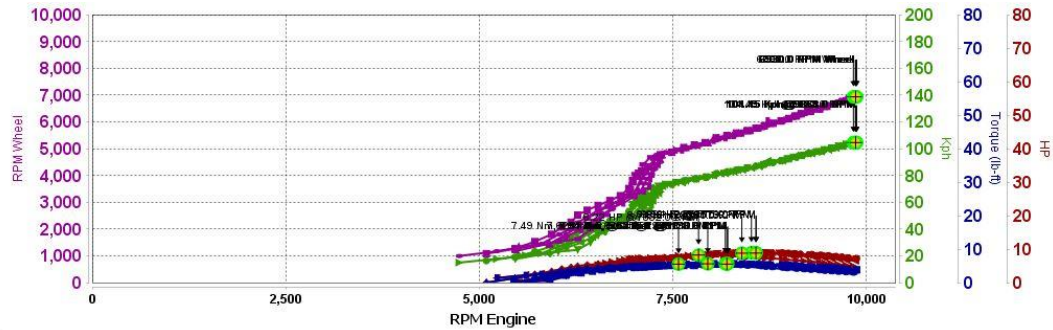
20-06-2025 11:04:18-Vario-Super Admin-Max Torque :6.57 Nm4.83 lb-ft@7818 RPM-Max HP: 7.44

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 Butanol 10%



Lampiran 1. 9 Grafik uji torsi dan daya pertamax butanol 10%

Dyno Test Result

Date&Time	Engine	Owner	Max RPM Wheel	Max Kph	Max RPM Engine	Max Torque	Max HP	Max AFR
20-06-2025 19:07:10	vario	Super Admin	6930	104.45 @9832 RPM	9832	7.49 Nm5.51 lb-ft@7832 RPM	8.22 HP@7936 RPM	10@7936 RPM
20-06-2025 19:41:40	vario	Super Admin	6930	104.45 @9861 RPM	9861	7.51 Nm5.52 lb-ft@8198 RPM	8.8 HP@8573 RPM	10@8573 RPM
20-06-2025 19:37:36	vario	Super Admin	6930	104.45 @9858 RPM	9858	7.62 Nm5.6 lb-ft@8051 RPM	8.77 HP@8391 RPM	10@8391 RPM
20-06-2025 19:20:48	vario	Super Admin	6930	104.45 @9868 RPM	9868	7.67 Nm5.64 lb-ft@8210 RPM	8.96 HP@8576 RPM	10@8576 RPM

20-06-2025 18:07:57	Vario	Super Admin	6930	104.45 @9874 RPM	9874	7.64 Nm 5.62 lb-ft @828 RPM	8.92 HP @8515 RPM	10@8515 RPM
---------------------	-------	-------------	------	---------------------	------	-----------------------------------	----------------------	-------------



20-06-2025 19:07:10-Vario-Super Admin-Max Torque :7.49 Nm5.51 lb-ft@7832 RPM-Max HP: 8.22 HP@7936 RPM

RPM Wheel	Kph	RPM Engine	Torque	HP	AFR
1170.00	17.63	5465.00	0.06	0.06	10.00
1530.00	23.06	6020.00	2.51	2.87	10.00
1620.00	24.42	6272.00	3.04	3.64	10.00
1980.00	29.84	6436.00	3.67	4.50	10.00
2340.00	35.27	6534.00	4.22	5.25	10.00
2520.00	37.98	6637.00	4.55	5.74	10.00
2780.00	42.05	6720.00	4.80	6.14	10.00
2970.00	44.76	6816.00	4.97	6.45	10.00
3240.00	48.83	6880.00	5.12	6.71	10.00
3330.00	50.19	6938.00	5.20	6.87	10.00
3510.00	52.90	6952.00	5.26	6.96	10.00
3690.00	55.62	6976.00	5.30	7.04	10.00
3870.00	58.33	6979.00	5.33	7.08	10.00
4050.00	61.04	7009.00	5.35	7.14	10.00
4140.00	62.40	7057.00	5.36	7.20	10.00
4230.00	63.75	7098.00	5.35	7.23	10.00
4410.00	66.47	7115.00	5.34	7.23	10.00
4680.00	70.54	7215.00	5.32	7.31	10.00
4770.00	71.89	7313.00	5.30	7.38	10.00
4860.00	73.25	7427.00	5.27	7.46	10.00
4950.00	74.61	7573.00	5.51	7.95	10.00
5040.00	75.96	7700.00	5.49	8.05	10.00
5130.00	77.32	7832.00	5.51	8.22	10.00
5220.00	78.68	7936.00	5.44	8.22	10.00
5310.00	80.03	8045.00	5.31	8.13	10.00
5400.00	81.39	8158.00	5.18	8.05	10.00
5490.00	82.75	8282.00	5.04	7.94	10.00
5580.00	84.10	8375.00	4.89	7.80	10.00
5670.00	85.46	8465.00	4.73	7.62	10.00
5760.00	86.81	8645.00	4.58	7.54	10.00
5850.00	88.17	8703.00	4.43	7.35	10.00
5940.00	89.53	8787.00	4.28	7.17	10.00
6030.00	90.88	8920.00	4.13	7.01	10.00
6120.00	92.24	8976.00	3.97	6.78	10.00
6210.00	93.60	9099.00	3.81	6.60	10.00
6300.00	94.95	9196.00	3.67	6.42	10.00
6390.00	96.31	9285.00	3.51	6.21	10.00
6480.00	97.67	9395.00	3.36	6.02	10.00
6570.00	99.02	9463.00	3.22	5.80	10.00
6660.00	100.38	9551.00	3.08	5.60	10.00

6750.00	101.74	9640.00	2.92	5.37	10.00
6840.00	103.09	9717.00	2.79	5.16	10.00
6930.00	104.45	9832.00	2.64	4.94	10.00



20-06-2025 19:41:40-vario-Super Admin-Max Torque :7.51 Nm5.52 lb-ft@8198 RPM-Max HP: 8.8 HP@8573 RPM

RPM Wheel	Kph	RPM Engine	Torque	HP	AFR
1080.00	16.28	5091.00	0.02	0.01	10.00
1260.00	18.99	5460.00	1.29	1.34	10.00
1530.00	23.06	5717.00	2.28	2.48	10.00
1800.00	27.13	5934.00	2.99	3.37	10.00
2070.00	31.20	6065.00	3.51	4.06	10.00
2250.00	33.91	6184.00	3.85	4.53	10.00
2520.00	37.98	6270.00	4.13	4.93	10.00
2700.00	40.69	6393.00	4.33	5.28	10.00
2880.00	43.41	6534.00	4.48	5.58	10.00
3060.00	46.12	6685.00	4.60	5.85	10.00
3240.00	48.83	6821.00	4.68	6.08	10.00
3510.00	52.90	6930.00	4.77	6.30	10.00
3780.00	56.97	6984.00	4.86	6.46	10.00
3960.00	59.69	7047.00	4.93	6.61	10.00
4140.00	62.40	7100.00	4.99	6.74	10.00
4320.00	65.11	7171.00	5.03	6.87	10.00
4770.00	71.89	7338.00	5.06	7.07	10.00
4860.00	73.25	7485.00	5.07	7.23	10.00
5040.00	75.96	7641.00	5.08	7.39	10.00
5130.00	77.32	7778.00	5.09	7.53	10.00
5220.00	78.68	7915.00	5.35	8.06	10.00
5400.00	81.39	8060.00	5.48	8.42	10.00
5490.00	82.75	8198.00	5.52	8.62	10.00
5580.00	84.10	8319.00	5.51	8.72	10.00
5670.00	85.46	8460.00	5.45	8.78	10.00
5760.00	86.81	8573.00	5.39	8.80	10.00
5850.00	88.17	8680.00	5.31	8.77	10.00
5940.00	89.53	8795.00	5.22	8.74	10.00
6030.00	90.88	8896.00	5.13	8.69	10.00
6120.00	92.24	9000.00	5.04	8.63	10.00
6210.00	93.60	9096.00	4.94	8.55	10.00
6300.00	94.95	9177.00	4.82	8.40	10.00
6390.00	96.31	9242.00	4.68	8.23	10.00
6480.00	97.67	9395.00	4.53	8.11	10.00
6570.00	99.02	9454.00	4.38	7.89	10.00
6660.00	100.38	9584.00	4.23	7.71	10.00
6750.00	101.74	9689.00	4.08	7.53	10.00
6840.00	103.09	9784.00	3.95	7.35	10.00
6930.00	104.45	9861.00	3.80	7.14	10.00

20-06-2025 19:37:36-vario-Super Admin-Max Torque :7.62 Nm5.6 lb-ft@8051 RPM-Max HP: 8.77
HP@8391 RPM



RPM Wheel	Kph	RPM Engine	Torque	HP	AFR
990.00	14.92	4740.00	0.00	0.00	10.00
1170.00	17.63	5225.00	1.38	1.37	10.00
1350.00	20.35	5599.00	2.14	2.28	10.00
1440.00	21.70	5799.00	2.46	2.72	10.00
1800.00	27.13	6032.00	2.96	3.40	10.00
1980.00	29.84	6163.00	3.31	3.88	10.00
2250.00	33.91	6280.00	3.62	4.33	10.00
2430.00	36.62	6380.00	3.86	4.68	10.00
2700.00	40.69	6535.00	4.07	5.07	10.00
2880.00	43.41	6659.00	4.24	5.28	10.00
3060.00	46.12	6835.00	4.38	5.70	10.00
3240.00	48.83	6993.00	4.49	5.97	10.00
3420.00	51.55	7088.00	4.59	6.19	10.00
3690.00	55.62	7132.00	4.68	6.36	10.00
3870.00	58.33	7166.00	4.76	6.49	10.00
4050.00	61.04	7223.00	4.83	6.64	10.00
4230.00	63.75	7263.00	4.89	6.76	10.00
4410.00	66.47	7295.00	4.94	6.86	10.00
4590.00	67.82	7340.00	4.97	6.95	10.00
4860.00	73.25	7407.00	5.00	7.05	10.00
4950.00	74.61	7564.00	5.28	7.61	10.00
5040.00	75.96	7692.00	5.42	7.94	10.00
5130.00	77.32	7814.00	5.50	8.19	10.00
5220.00	78.68	7951.00	5.60	8.48	10.00
5310.00	80.03	8051.00	5.60	8.59	10.00
5400.00	81.39	8178.00	5.59	8.70	10.00
5490.00	82.75	8278.00	5.54	8.73	10.00
5580.00	84.10	8391.00	5.49	8.77	10.00
5670.00	85.46	8491.00	5.40	8.74	10.00
5760.00	86.81	8600.00	5.31	8.70	10.00
5850.00	88.17	8675.00	5.22	8.62	10.00
5940.00	89.53	8771.00	5.12	8.55	10.00
6030.00	90.88	8925.00	5.01	8.51	10.00
6120.00	92.24	9006.00	4.87	8.36	10.00
6210.00	93.60	9060.00	4.74	8.17	10.00
6300.00	94.95	9208.00	4.59	8.04	10.00
6390.00	96.31	9299.00	4.43	7.84	10.00
6480.00	97.67	9366.00	4.27	7.61	10.00
6570.00	99.03	9454.00	4.11	7.40	10.00
6660.00	100.38	9551.00	3.95	7.19	10.00
6750.00	101.74	9652.00	3.79	6.96	10.00
6840.00	103.09	9743.00	3.62	6.72	10.00
6930.00	104.45	9858.00	3.46	6.50	10.00

20-06-2025 19:20:48-vario-Super Admin-Max Torque :7.67 Nm5.6 lb-ft@8210 RPM-Max HP: 8.96
HP@8576 RPM



RPM Wheel	Kph	RPM Engine	Torque	HP	AFR
1350.00	20.35	5510.00	0.03	0.03	10.00
1440.00	21.70	5911.00	0.64	0.72	10.00
1800.00	27.13	6119.00	1.80	2.09	10.00
2070.00	31.20	6284.00	2.58	3.09	10.00
2430.00	36.62	6408.00	3.25	3.96	10.00
2610.00	39.34	6543.00	3.66	4.57	10.00
2880.00	43.41	6663.00	4.00	5.07	10.00
3060.00	46.12	6804.00	4.23	5.48	10.00
3330.00	50.19	6960.00	4.43	5.87	10.00
3510.00	52.90	7042.00	4.58	6.14	10.00
3780.00	56.97	7083.00	4.71	6.35	10.00
3960.00	59.69	7119.00	4.81	6.53	10.00
4140.00	62.40	7168.00	4.90	6.68	10.00
4320.00	65.11	7220.00	4.96	6.82	10.00
4500.00	67.82	7251.00	5.01	6.92	10.00
4680.00	70.54	7253.00	5.06	6.98	10.00
4770.00	71.89	7361.00	5.08	7.12	10.00
4950.00	74.61	7515.00	5.10	7.30	10.00
5040.00	75.96	7670.00	5.12	7.47	10.00
5130.00	77.32	7812.00	5.12	7.61	10.00
5220.00	78.68	7955.00	5.38	8.15	10.00
5400.00	81.39	8079.00	5.59	8.60	10.00
5490.00	82.75	8210.00	5.64	8.81	10.00
5580.00	84.10	8347.00	5.63	8.95	10.00
5670.00	85.46	8443.00	5.56	8.93	10.00
5760.00	86.81	8576.00	5.49	8.96	10.00
5850.00	88.17	8673.00	5.39	8.90	10.00
5940.00	89.53	8759.00	5.29	8.83	10.00
6030.00	90.88	8875.00	5.18	8.75	10.00
6120.00	92.24	8963.00	5.06	8.63	10.00
6210.00	93.60	9041.00	4.92	8.48	10.00
6300.00	94.95	9121.00	4.79	8.31	10.00
6390.00	96.31	9279.00	4.64	8.20	10.00
6480.00	97.67	9351.00	4.50	8.01	10.00
6570.00	99.03	9454.00	4.35	7.82	10.00
6660.00	100.38	9563.00	4.19	7.62	10.00
6750.00	101.74	9655.00	4.03	7.42	10.00
6840.00	103.09	9737.00	3.87	7.18	10.00
6930.00	104.45	9868.00	3.72	6.99	10.00

20-06-2025 18:07:57-Vario-Super Admin-Max Torque :7.64 Nm5.62 lb-ft@8287 RPM-Max HP: 8.92
HP@8515 RPM

RPM Wheel	Kph	RPM Engine	Torque	HP	AFR
1260.00	18.99	5448.00	0.03	0.03	10.00

1440.00	21.70	5883.00	1.25	1.41	10.00
1710.00	25.77	6114.00	2.21	2.57	10.00
1980.00	29.84	6314.00	2.89	3.47	10.00
2250.00	33.91	6462.00	3.40	4.18	10.00
2520.00	37.98	6584.00	3.79	4.75	10.00
2790.00	42.05	6717.00	4.10	5.25	10.00
2970.00	44.76	6861.00	4.32	5.65	10.00
3240.00	48.83	7017.00	4.51	6.03	10.00
3420.00	51.55	7124.00	4.65	6.31	10.00
3600.00	54.26	7195.00	4.76	6.52	10.00
3870.00	58.33	7209.00	4.86	6.67	10.00
4050.00	61.04	7239.00	4.94	6.80	10.00
4320.00	65.11	7274.00	5.01	6.94	10.00
4410.00	66.47	7315.00	5.06	7.05	10.00
4590.00	69.18	7320.00	5.10	7.11	10.00
4770.00	71.89	7367.00	5.13	7.20	10.00
4860.00	73.25	7473.00	5.15	7.33	10.00
4950.00	74.61	7618.00	5.16	7.49	10.00
5130.00	77.32	7765.00	5.17	7.64	10.00
5220.00	78.68	7900.00	5.44	8.18	10.00
5310.00	80.03	8027.00	5.58	8.53	10.00
5400.00	81.39	8178.00	5.62	8.76	10.00
5490.00	82.75	8287.00	5.62	8.86	10.00
5580.00	84.10	8398.00	5.57	8.91	10.00
5670.00	85.46	8515.00	5.50	8.92	10.00
5760.00	86.81	8618.00	5.41	8.87	10.00
6030.00	90.88	8726.00	5.32	8.84	10.00
6030.00	90.88	8917.00	5.22	8.86	10.00
6120.00	92.24	8990.00	5.11	8.74	10.00
6210.00	93.60	9074.00	5.00	8.64	10.00
6300.00	94.95	9146.00	4.87	8.48	10.00
6390.00	96.31	9293.00	4.74	8.38	10.00
6480.00	97.67	9413.00	4.58	8.21	10.00
6570.00	99.02	9511.00	4.44	8.03	10.00
6660.00	100.38	9606.00	4.28	7.83	10.00
6750.00	101.74	9683.00	4.12	7.60	10.00
6840.00	103.09	9756.00	3.97	7.37	10.00
6930.00	104.45	9874.00	3.82	7.18	10.00

LEMBAR BIMBINGAN TUGAS AKHIR

FOTO UKURAN
4 X 6 CM

Nama Mahasiswa	: Galang Augustha Ethik Prasodjo
Nomor Induk Mahasiswa	: 22021001
Nama Pembimbing PKL	1. Faqih Fatkhurrozak, M.T 2. <u>Andre Budhi Hendrawan, M.T</u>
Judul Laporan PKL	PENGUJIAN PENGGUNAAN BAHAN BAKAR CAMPURAN PERTAMAX DAN BUTANOL 10 % TERHADAP TORSI DAN DAYA MESIN BENSIN 125 CC MENGGUNAKAN DAYNOTEST

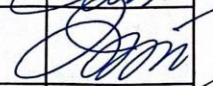
**PROGRAM STUDI DIII TEKNIK MESIN
POLITEKNIK HARAPAN BERSAMA TEGAL**

2025

Rekap Pembimbingan Penyusunan Laporan Tugas Akhir

PEMBIMBING I		Nama	Faqih Fatkhurrozaq. M.T.	
		NIDN/NUPN	0616079002.	
No	Hari	Tanggal	Uraian	Tanda Tangan
1	Rabu	16 April 2025	Bimbingan Tema TA	
2	Kamis	24 April 2025	Bimbingan Bab I dan II	
3	Selasa	20 Mei 2025	Revisi Bab I dan II	
4	Rabu	28 Mei 2025	Bimbingan Bab III dan IV	
5	Senin	2 Juni 2025	Revisi Bab III dan IV	
6	Selasa	1 Juli 2025	Bimbingan Bab V, PPT, Jurnal	
7	Jum'at	4 Juli 2025	Revisi Bab V, PPT, Jurnal.	
8		6 Juli 2025	Acc.	
9				
10				

Rekap Pembimbingan Penyusunan Laporan Tugas Akhir

PEMBIMBING II		Nama	Andre Budhi Hendrawan . M.T.	
		NIDN/NUPN	0607128303 .	
No	Hari	Tanggal	Uraian	Tanda Tangan
1	Rabu	16 April 2025	Bimbingan Tema TA	
2	Kamis	24 April 2025	Bimbingan Bab I dan II	
3	Selasa	20 Mei 2025	Revisi Bab I dan II	
4	Rabu	28 Mei 2025	Bimbingan Bab III dan IV	
5	Senin	2 Juni 2025	Revisi Bab III dan IV	
6	Selasa	1 Juli 2025	Bimbingan Bab V, PPT, Jurnal	
7	Jum'at	4 Juli 2025	Revisi Bab V, PPT, Jurnal	
8		6 Juli 2025	Acc. <i>Sopra</i> <i>cyam</i>	
9				
10				

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. Khumaedi Usman, M.Eng
NIPY. 01.015.263