

DAFTAR LAMPIRAN

A. PROSES PENGUJIAN



Lampiran 1. 1 Masukan nama motor, diameter ban dan kapasitas mesin



Lampiran 1. 2 Mengetes grafik *dynotest*



Lampiran 1. 3 Mengencangkan penyangga roda depan



Lampiran 1. 4 Naikan motor ke *dynotest*

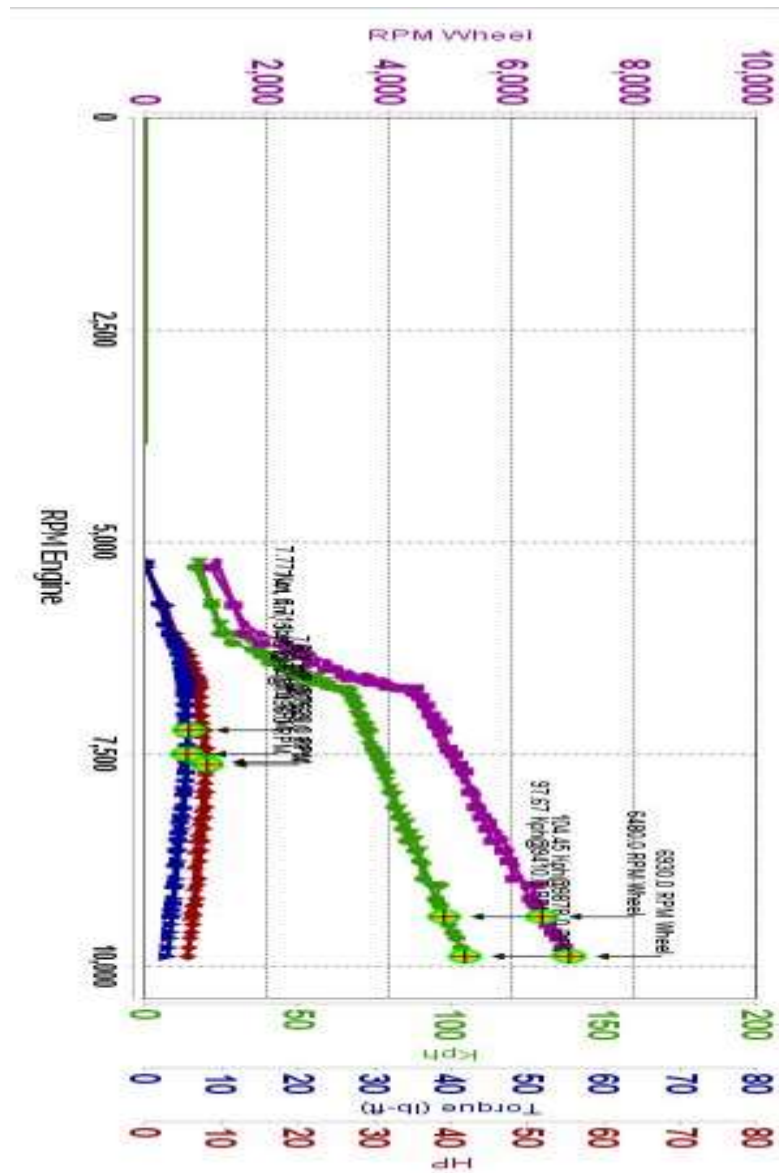


Lampiran 1. 5 diameter ban luar

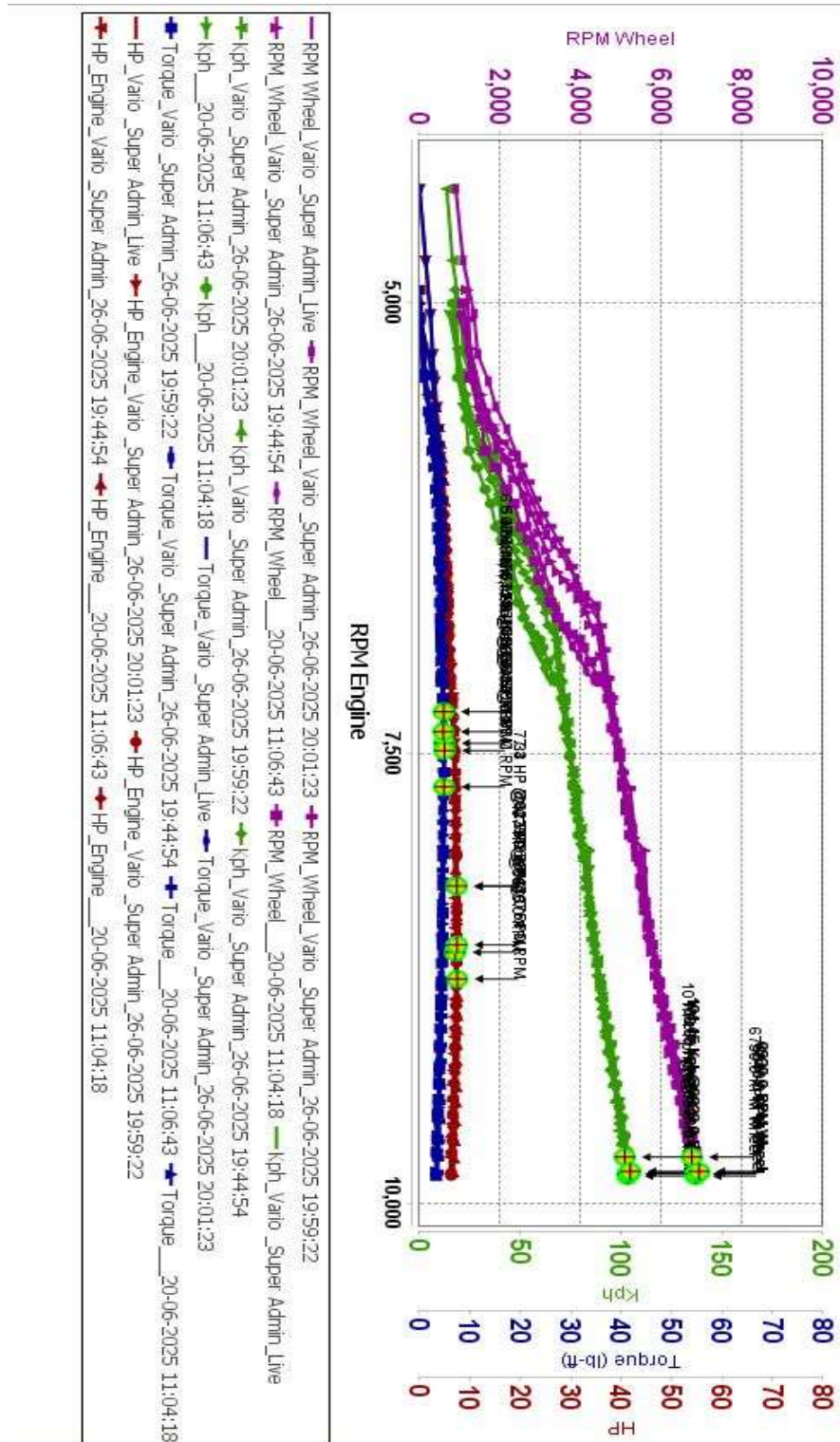


Lampiran 1. 6 tekanan udara ban blakang

B. Hasil torsi dan daya mesin



Lampiran 1. 7 Grafik pertamax campuran etanol 10%



Lampiran 1. 8 Grafik 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 Nm@82 RPM	7.33 HP@82 RPM	10@82 RPM
26-06-2025 19:59:22	Vario	Super Admin	6840	103.09 @9848 RPM	9848	6.69 Nm@82 RPM	7.4 HP@82 RPM	10@83 RPM
26-06-2025 19:44:54	Vario	Super Admin	6840	103.09 @9836 RPM	9836	6.42 Nm@82 RPM	7.07 HP@82 RPM	10@86 RPM
20-06-2025 11:06:43	Vario	Super Admin	6930	104.45 @9829 RPM	9829	6.5 Nm@82 RPM	7.49 HP@82 RPM	10@89 RPM
20-06-2025 11:04:18	Vario	Super Admin	6930	104.45 @9823 RPM	9823	6.57 Nm@82 RPM	7.44 HP@82 RPM	10@85 RPM

Lampiran 1. 9 Hasil murni torsi dan daya mesin

Dyno Test Result

— 10 14:11:16 Vario_Super Admin_23-06-2025 18:47:16									
→	RPM	Wheel_Vario_Super Admin_23-06-2025 18:47:56							
→	RPM	Wheel_Vario_Super Admin_23-06-2025 18:44:47							
→	RPM	Wheel_Vario_Super Admin_23-06-2025 18:41:16							
→	RPM	Wheel_Vario_Super Admin_23-06-2025 18:38:17							
→	kph	Vario_Super Admin_Live → kph_Vario_Super Admin_23-06-2025 19:14:41							
→	kph	Vario_Super Admin_23-06-2025 18:47:56							
→	kph	Vario_Super Admin_23-06-2025 18:44:47							
→	kph	Vario_Super Admin_23-06-2025 18:41:16							
→	kph	Vario_Super Admin_23-06-2025 18:38:17							
→	Torque	Vario_Super Admin_23-06-2025 19:14:41							
→	Torque	Vario_Super Admin_23-06-2025 18:47:56							
→	Torque	Vario_Super Admin_23-06-2025 18:44:47							
→	Torque	Vario_Super Admin_23-06-2025 18:41:16							
→	Torque	Vario_Super Admin_23-06-2025 18:38:17							
→	HP	Engine_Vario_Super Admin_23-06-2025 19:14:41							
→	HP	Engine_Vario_Super Admin_23-06-2025 18:47:56							
→	HP	Engine_Vario_Super Admin_23-06-2025 18:44:47							
→	HP	Engine_Vario_Super Admin_23-06-2025 18:41:16							
→	HP	Engine_Vario_Super Admin_23-06-2025 18:38:17							

Date&Time	Engine	Owner	Max RPM Wheel	Max Kph	Max RPM Engine	Max Torque	Max HP	Max AFR
23-06-2025 19:14:41	Vario	Super Admin	6930	104.45 @9878 RPM	9878	7.77 Nm5.71 lb- ft@721 RPM	8.1 HP@7620 RPM	10@76 RPM
23-06-2025 18:47:56	Vario	Super Admin	6480	97.67 @ 9410 RPM	9410	7.41 Nm5.45 lb- ft@749 RPM	7.83 HP@7589 RPM	10@75 RPM
23-06-2025 18:44:47	Vario	Super Admin	6930	104.45 @9855 RPM	9855	7.41 Nm5.45 lb- ft@791 RPM	8.22 HP@7911 RPM	10@79 RPM
23-06-2025 18:41:16	Vario	Super Admin	6840	103.09 @9871 RPM	9871	7.49 Nm5.51 lb- ft@756 RPM	8.07 HP@7745 RPM	10@77 RPM

23-06-2025 18:38:17	Vario	Super Admin	6840	103.09 @9797 RPM	9797	7.41 Nm5.45 lb- ft@784 RPM	8.15 HP@7930 RPM	10@79 RPM
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Lampiran 1. 10 Hasil campuran torsi dan daya mesin

LEMBAR BIMBINGAN TUGAS AKHIR



Nama Mahasiswa	: Muzaki arif Faza
Nomor Induk Mahasiswa	: 22022001
Nama Pembimbing PKL	: Rini Nur Akhadi, MT : Andre Budi Hendrawan, MT
Judul Laporan PKL	: Penelitian penggunaan bahan bakar campuran Pertamina dan Etnal 10% ter hadap hasil daya mesin bensin 125cc menggunakan dynotest

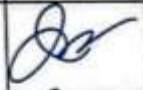
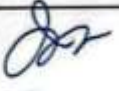
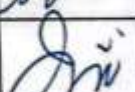
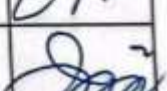
PROGRAM STUDI DIII TEKNIK MESIN
POLITEKNIK HARAPAN BERSAMA TEGAL

2025

Rekap Pembimbingan Penyusunan Laporan Tugas Akhir

PEMBIMBING I		Nama	Amin Nur Akmalia, M.T		
		NIDN/NUPN	0122 0416302		
No	Hari	Tanggal	Uraian	Tanda Tangan	
1	Rabu	23 April/25	diskusi tentang judul		
2	Kamis	22 Mei/25	bimbingan bab I		
3	Senin	30 Juni/25	bimbingan bab II		
4	Selasa	1 Juli/25	bimbingan bab III		
5	Kamis	3 Juli/25	bimbingan bab IV		
6	Jum'at	4 Juli/25	bimbingan bab V		
7	Rabu	2 Juli/25	bimbingan dan penulisan jurnal		
8	Sabtu	12 Juli 2025	KK + siap uji		
9					
10					

Rekap Pembimbingan Penyusunan Laporan Tugas Akhir

PEMBIMBING II		Nama	Arude Shadi Hendrawan M.T	
		NIDN/NUPN	06 02 12 03 08	
No	Hari	Tanggal	Uraian	Tanda Tangan
1	Kamis	17 April / 25	Disusui tentang Pengenalan Jurnal	
2	Senin	26 Mei / 25	bimbingan bab I dan II	
3	Senin	30 Juni / 25	Revisi Pembahasan bab I dan II	
4	Rabu	2 Juli / 25	bimbingan bab III	
5	Kamis	3 Juli / 25	bimbingan bab IV	
6	Jumat	4 Juli / 25	bimbingan bab V	
7	Senin	7 Juli / 25	for log, segera submit	
8				
9				
10				