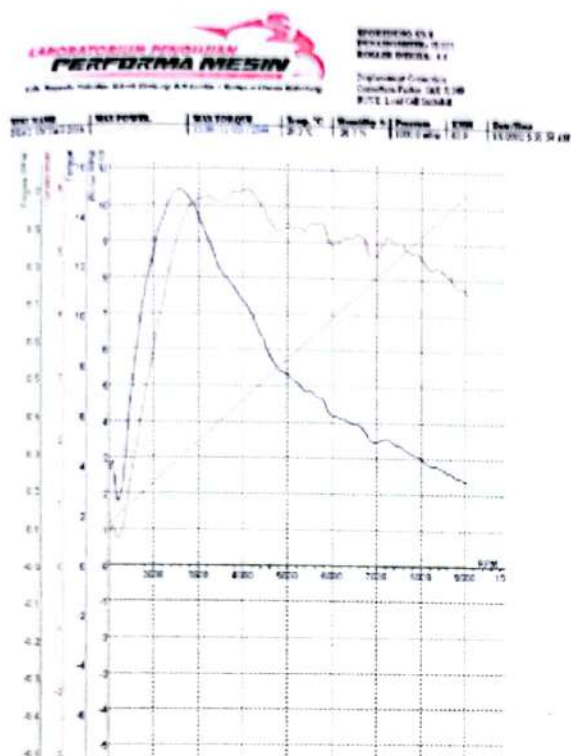


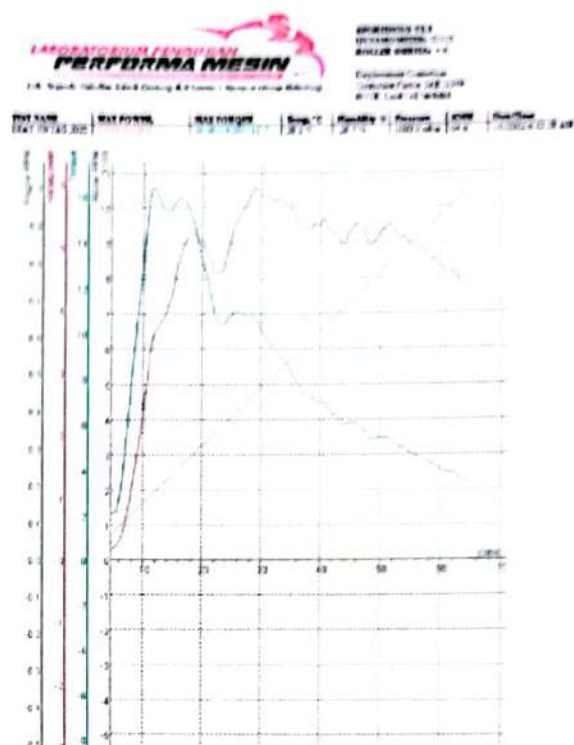


LAMPIRAN

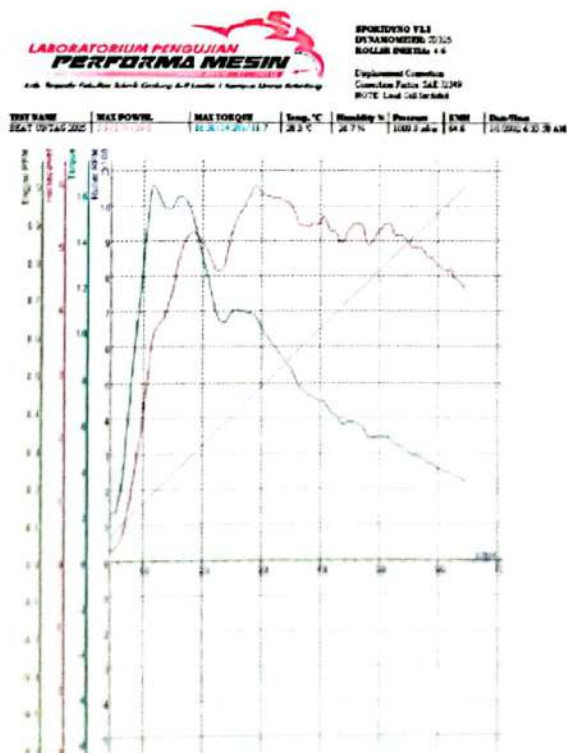
GRAFIK HASIL PENGUJIAN



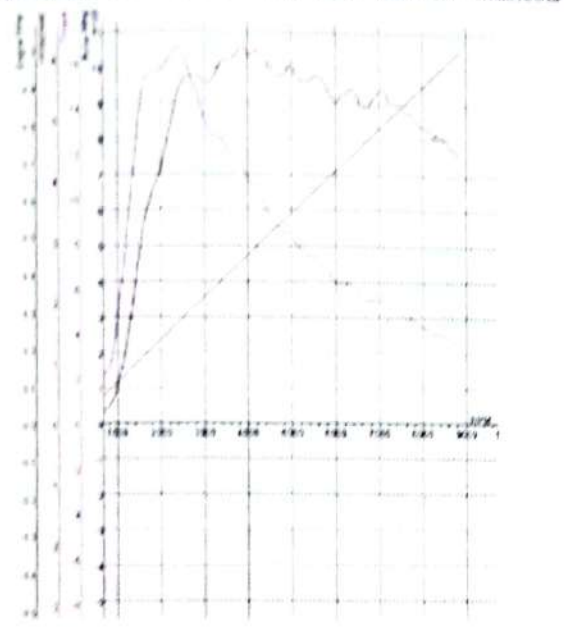
**Hasil Pengujian Dynotest
Busi Standar RON 90**



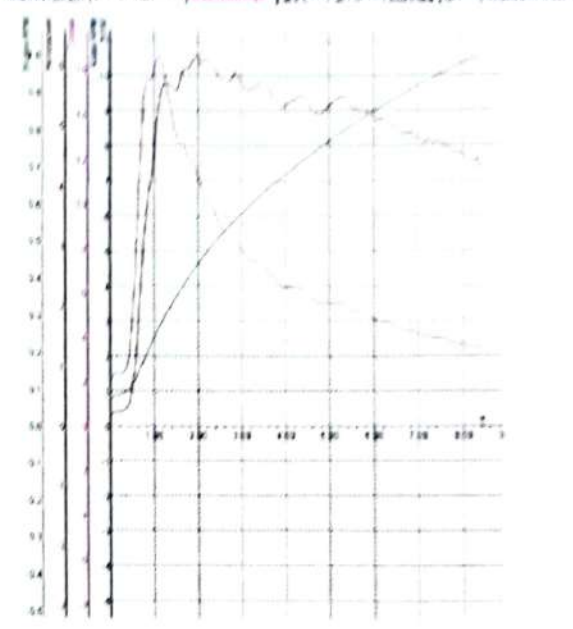
**Hasil Pengujian Dynotest
Busi Standar RON 92**



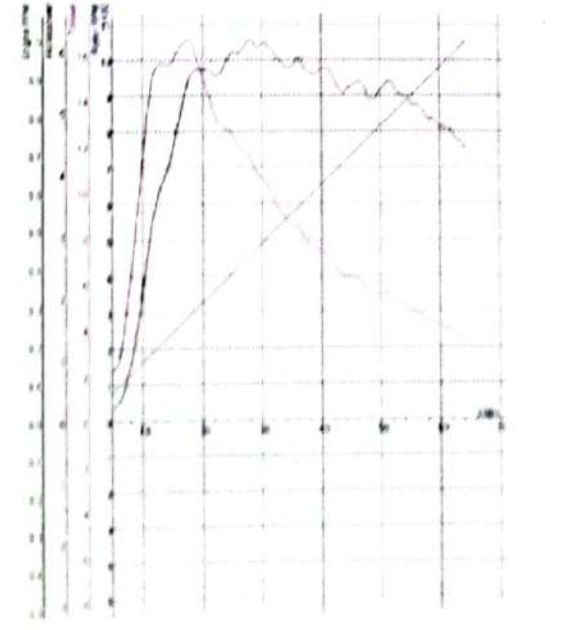
**Hasil Pengujian Dynotest
Busi Standar RON 98**



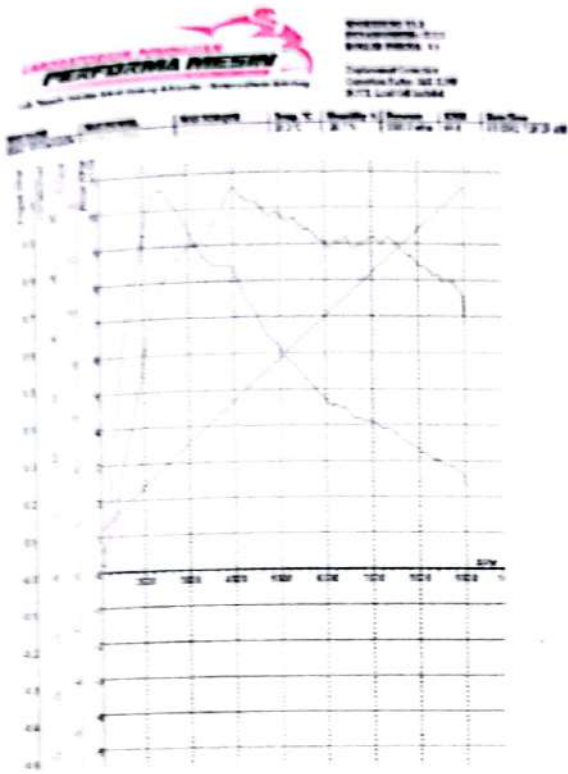
**Hasil Pengujian Dynotest
 Busi Platinum RON 90**



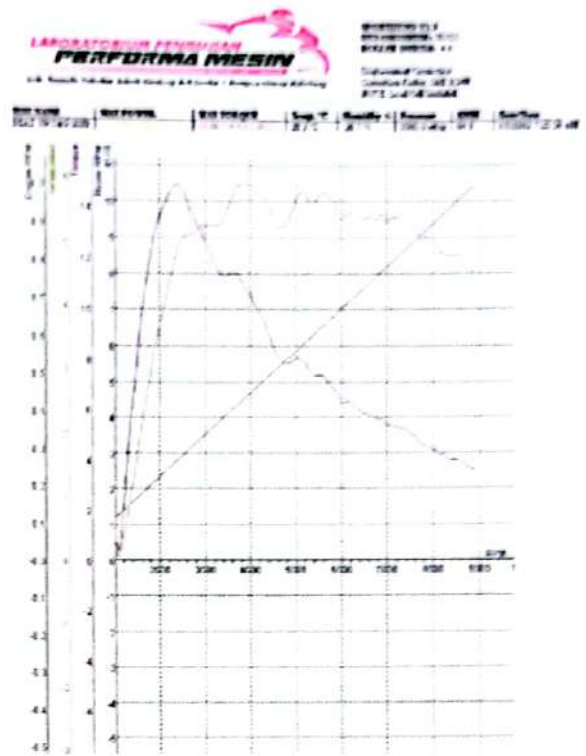
**Hasil Pengujian Dynotest
 Busi Platinum RON 92**



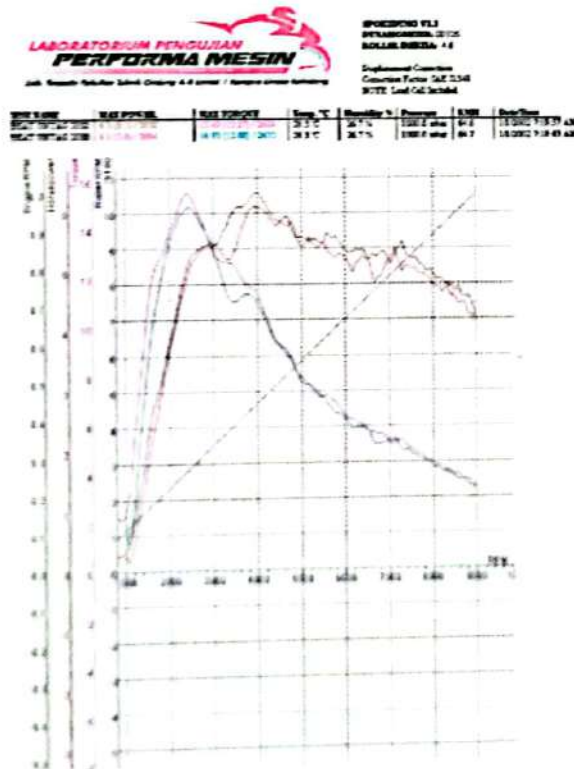
**Hasil Pengujian Dynotest
 Busi Platinum RON 98**



Hasil Pengujian Dynotest
Busi Iridium RON 90



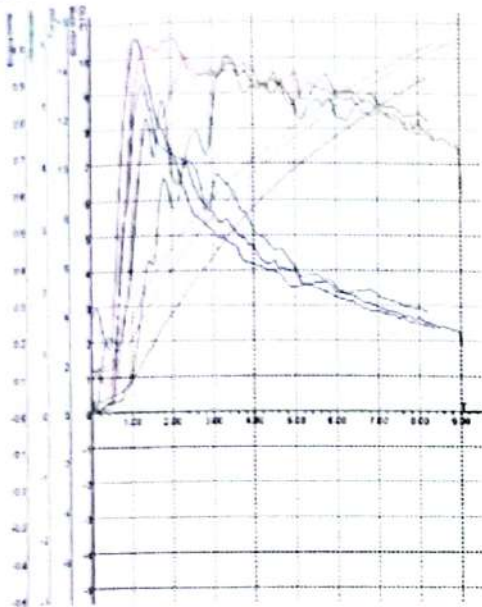
Hasil Pengujian Dynotest
Busi Iridium RON 92



Hasil Pengujian Dynotest
Busi Iridium RON 98

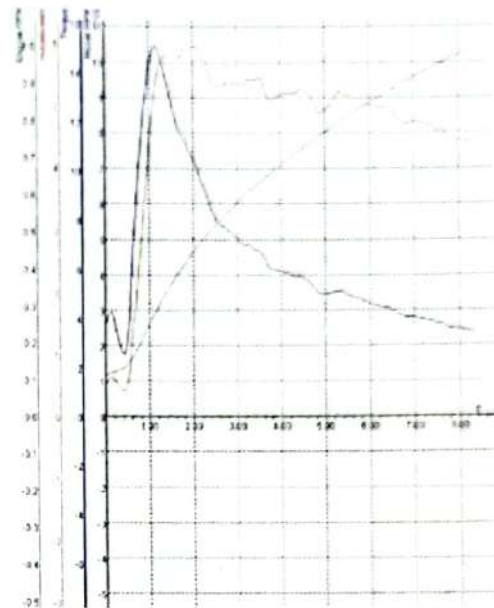
Grafik Hasil Pengujian Dynotest Angka vs Kecepatan RPM

TEST NAME	MAX POWER	MAX TORQUE	Temp. °C	Rev/Min	Pressure	RPM	Run-Time
HEAT DWTAC 2020	11.177 (11.177)	11.177 (11.177)	28.3 °C	1000.0	68.7	1000.0	10:20:12.31 AM
HEAT DWTAC 2021	11.177 (11.177)	11.177 (11.177)	28.3 °C	1000.0	68.7	1000.0	10:20:12.31 AM
HEAT DWTAC 2022	11.177 (11.177)	11.177 (11.177)	28.3 °C	1000.0	68.7	1000.0	10:20:12.31 AM



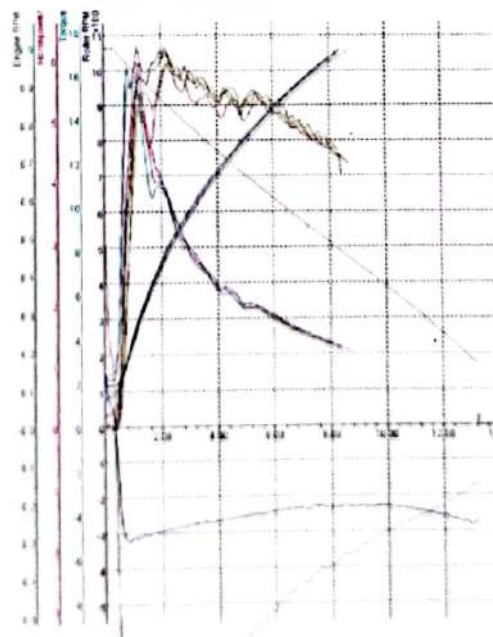
Hasil Pengujian Dynotest Busi Standart RON 90

TEST NAME	MAX POWER	MAX TORQUE	Temp. °C	Rev/Min	Pressure	RPM	Run-Time
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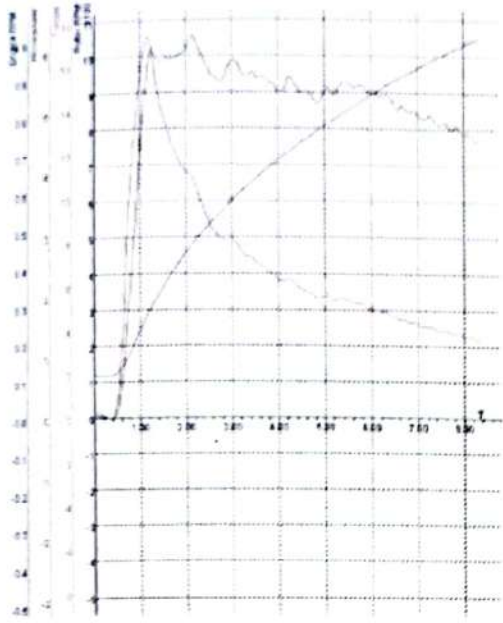
Hasil Pengujian Dynotest Busi Standart RON 92

TEST NAME	MAX POWER	MAX TORQUE	Temp. °C	Rev/Min	Pressure	RPM	Run-Time
HEAT DWTAC 2020	17.222 (17.222)	15.54 (17.43) (1.42)	28.3 °C	1000.0	68.7	1000.0	10:20:12.31 AM
HEAT DWTAC 2021	17.222 (17.222)	15.54 (17.43) (1.42)	28.3 °C	1000.0	68.7	1000.0	10:20:12.31 AM
HEAT DWTAC 2022	17.222 (17.222)	15.54 (17.43) (1.42)	28.3 °C	1000.0	68.7	1000.0	10:20:12.31 AM
HEAT DWTAC 2023	17.222 (17.222)	15.54 (17.43) (1.42)	28.3 °C	1000.0	68.7	1000.0	10:20:12.31 AM



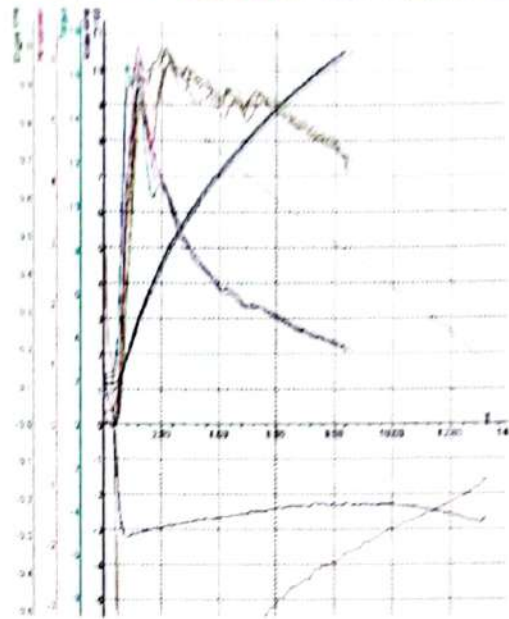
Hasil Pengujian Dynotest Busi Standart RON 98

TEST NAME: MALPOTEN | MAX FORCE: | Temp: 25 | Humidity: 50 | RPM: | Dyn Time: |



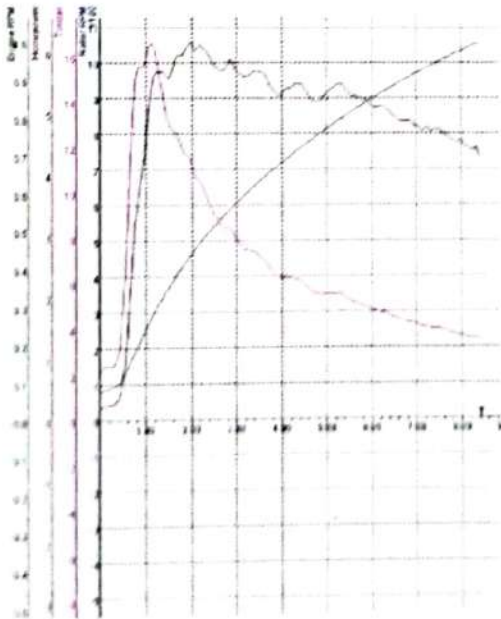
Hasil Pengujian Dynotest Busi Platinum RON 90

TEST NAME	MAX FORCE	MAX TORQUE	Temp, °C	Humidity, %	RPM	Dyn Time
PLAT 90 101	1.18	1.12	25.1	50.0	1500	10.00
PLAT 90 102	1.15	1.10	25.1	50.0	1500	10.00
PLAT 90 103	1.17	1.11	25.1	50.0	1500	10.00
PLAT 90 104	1.16	1.10	25.1	50.0	1500	10.00

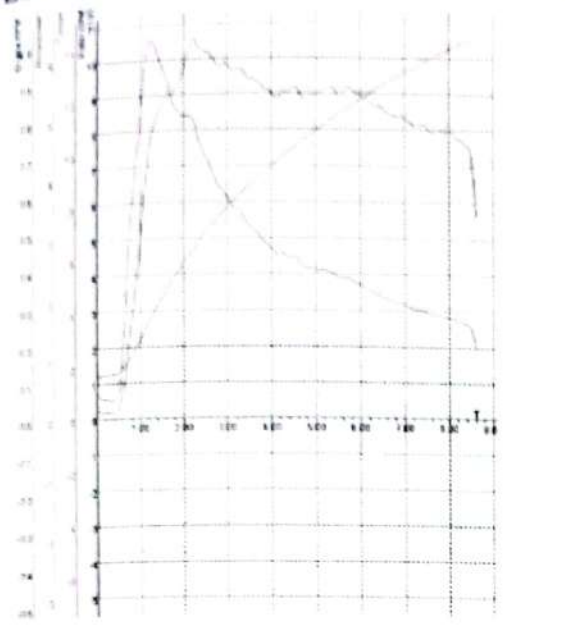


Hasil Pengujian Dynotest Busi Platinum RON 92

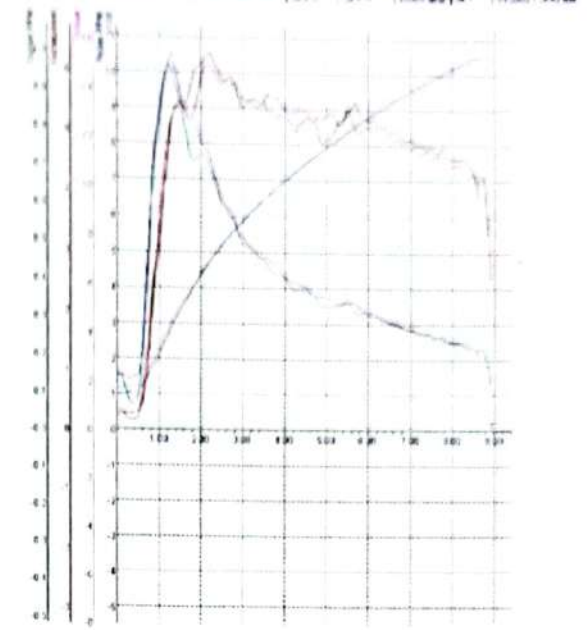
TEST NAME: MALPOTEN | MAX FORCE: | Temp: 25 | Humidity: 50 | RPM: | Dyn Time: |



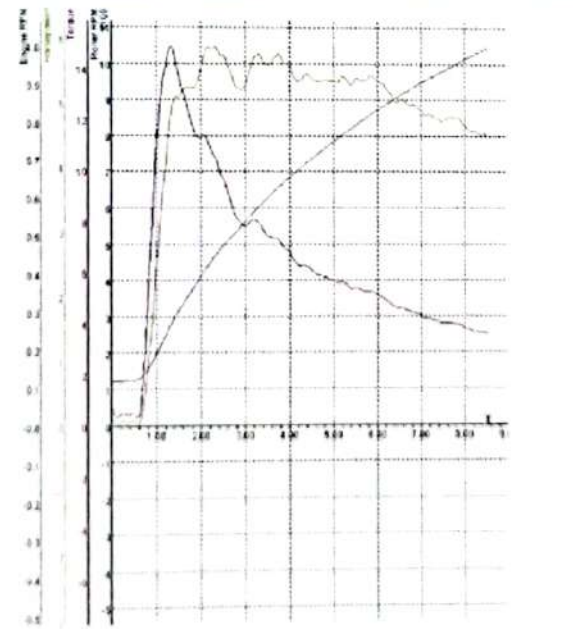
Hasil Pengujian Dynotest Busi Platinum RON 98



Hasil Pengujian Dynotest Busi Iridium RON 90



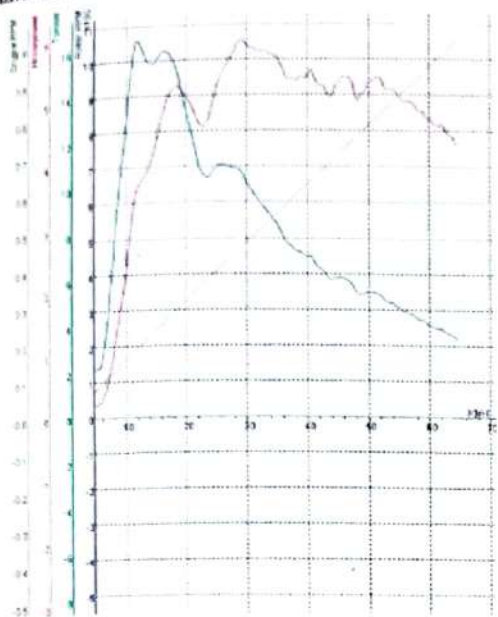
Hasil Pengujian Dynotest Busi Iridium RON 92



Hasil Pengujian Dynotest Busi Iridium RON 98

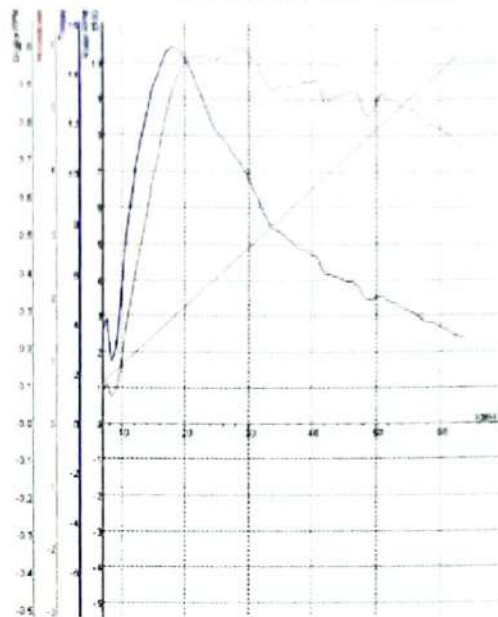
Grafik Hasil Pengujian Dynotest Angka vs Waktu

TEST NAME: | MAX POWER: | MAX TORQUE: | Temp. °C: | Humidity: % | Pressure: | RPM: | Run Time: |
MAY 05 15 2015 | 11.17 | 11.7 | 23.7 | 54.7 | 1001.2 | 24.2 | 11.200 | 2:17.2 AM



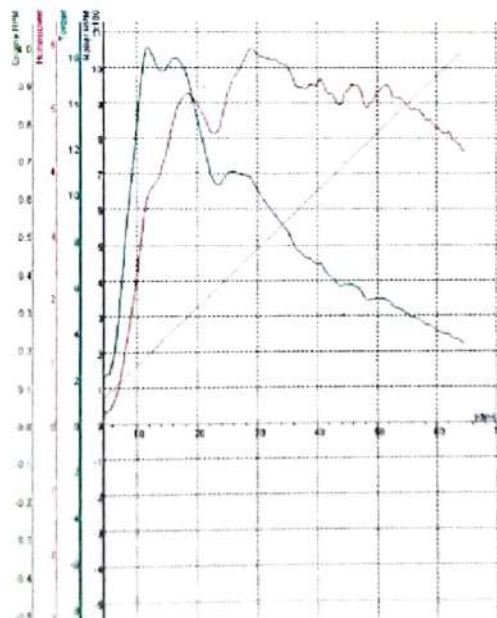
Hasil Pengujian Dynotest Busi Standart RON 90

TEST NAME: | MAX POWER: | MAX TORQUE: | Temp. °C: | Humidity: % | Pressure: | RPM: | Run Time: |
MAY 05 15 2015 | 11.17 | 11.7 | 23.7 | 54.7 | 1001.2 | 24.2 | 11.200 | 2:17.2 AM

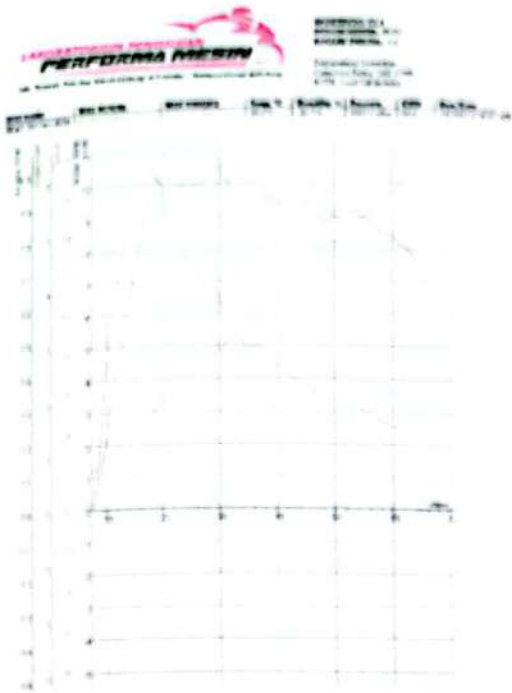


Hasil Pengujian Dynotest Busi Standart RON 92

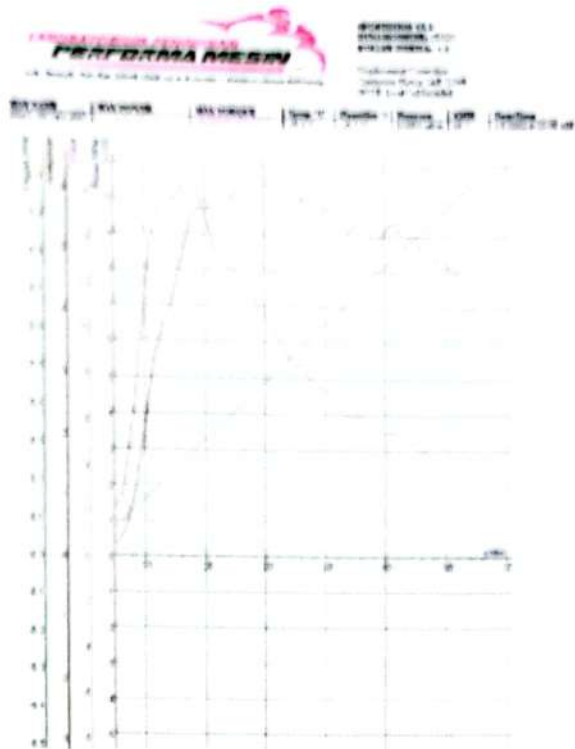
TEST NAME: | MAX POWER: | MAX TORQUE: | Temp. °C: | Humidity: % | Pressure: | RPM: | Run Time: |
MAY 05 15 2015 | 11.17 | 11.7 | 23.7 | 54.7 | 1001.2 | 24.2 | 11.200 | 2:17.2 AM



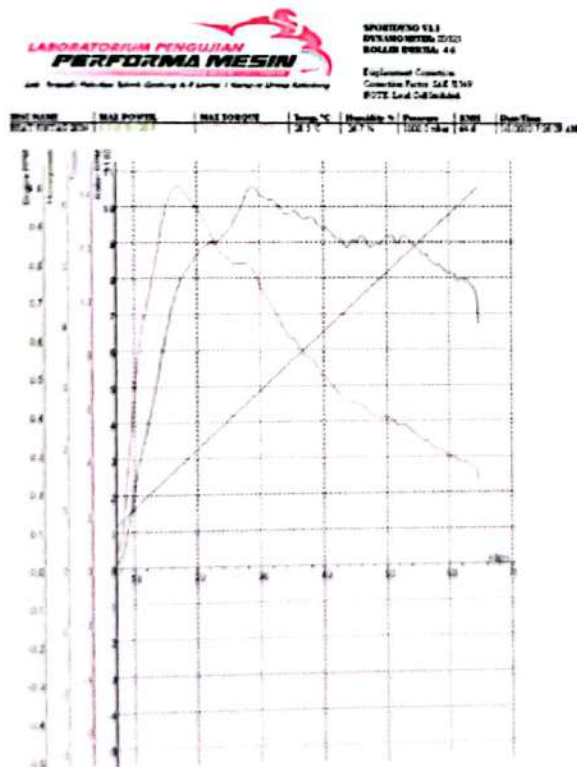
Hasil Pengujian Dynotest Busi Standart RON 98



Hasil Pengujian Dynotest
Busi Platinum RON 90



Hasil Pengujian Dynotest
Busi Platinum RON 92



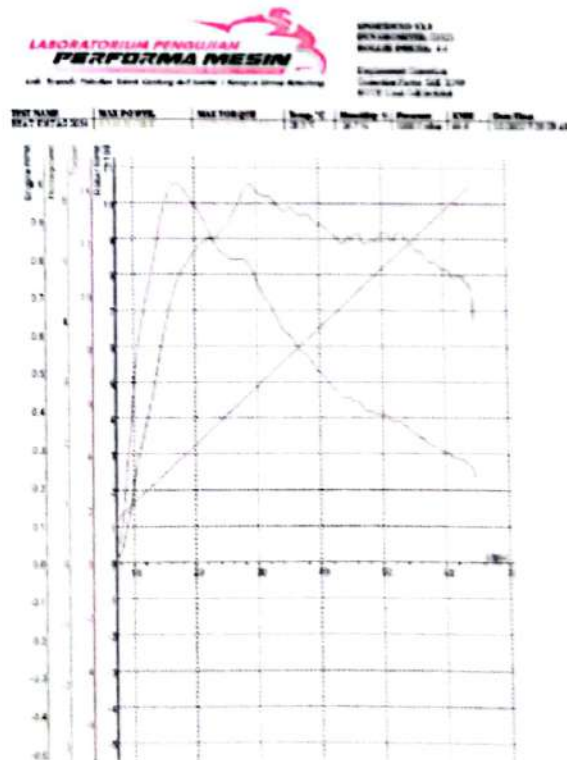
Hasil Pengujian Dynotest
Busi Platinum RON 98



Hasil Pengujian Dynotest
 Busi Iridium RON 90



Hasil Pengujian Dynotest
 Busi Iridium RON 92



Hasil Pengujian Dynotest
 Busi Iridium RON 98

Grafik Hasil Pengujian Dynotest Angka vs KMH

Program Studi Teknik Mesin
Fakultas Teknik UNTAG Surabaya



UNIVERSITAS NEGERI SURABAYA
FAKULTAS TEKNIK
JURUSAN TEKNIK MESIN
LABORATORIUM PENGUJIAN PERFORMA MESIN
Alamat : Gedung A8 Lt. 1 Lab. Terpadu Fakultas Teknik Jl. Ketintang Surabaya
Telp : 031-8299487, Fax : 031-8292957, HP : 081330670825

Nomor : 002/Lab PPM/VI/2022
Lampiran : 1 (satu) set
Hal : Pengambilan Data Laboratorium

Kepada :
Yth. Kaprodi S1 Teknik Mesin UNTAG
Bapak Edi Santosa, S.T., M.T.
di
Surabaya

Yang bertanda tangan di bawah ini :
Nama : Dr. Soeryanto, M.Pd.
NIP : 196004181988031003
Jurusan : Teknik Mesin
Instansi : Universitas Negeri Surabaya

Menyatakan bahwa mahasiswa tersebut di bawah ini :
Nama : Firstyan Arizky Putra Ardy & Yusuf
NIM : 1421700138 & 1432700187
Jurusan/Prodi : Teknik Mesin/S-1 Teknik Mesin
Instansi : Universitas 17 Agustus 1945 (UNTAG) Surabaya

Telah mengambil data di Laboratorium Pengujian Performa Mesin Jurusan Teknik Mesin
Fakultas Teknik Universitas Negeri Surabaya (*data terlampir*) pada :
Hari : Selasa
Tanggal : 17 Mei 2022
Waktu : 09.00 WIB – Selesai
Judul Skripsi : Analisis Pengaruh Penggunaan Variasi Busi Dan Variasi Nilai Oktan
Terhadap Performa Mesin Bensin 110cc 1 Silinder

Demikian surat keterangan ini dibuat, atas perhatian dan kerjasamanya disampaikan terima kasih.

Surabaya, Juni 2021
Ketua Jurusan,

Dr. Soeryanto, M.Pd.
NIP. 196004181988031003