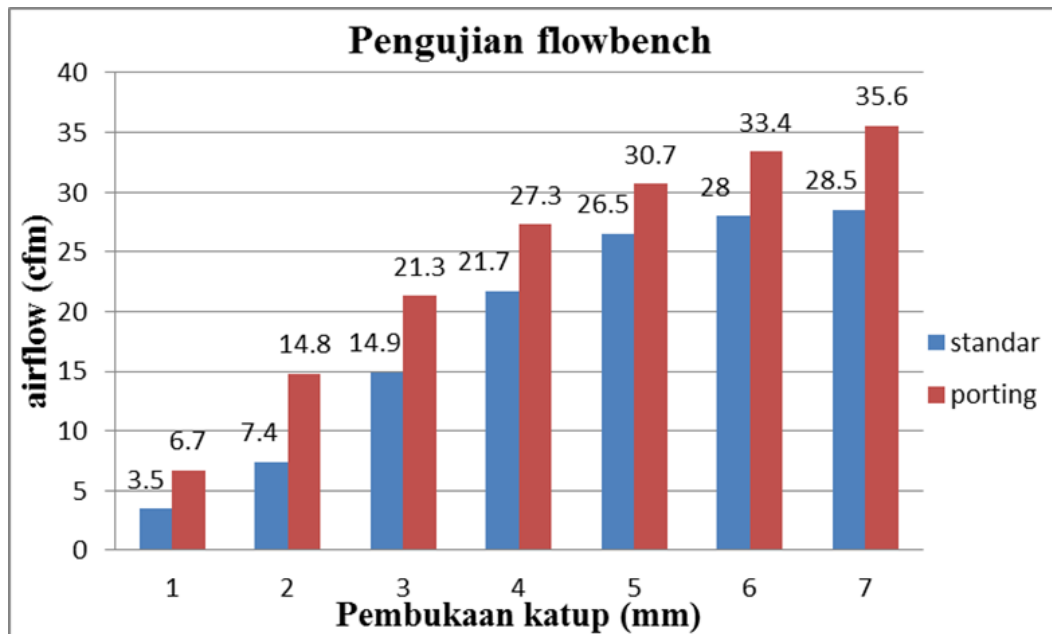


LAMPIRAN

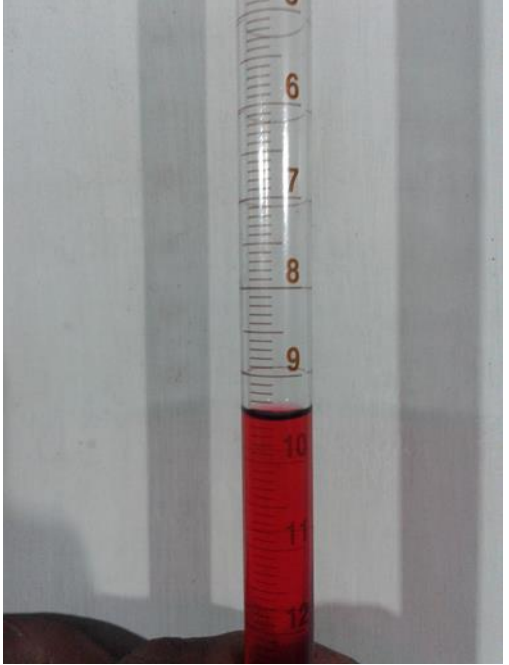
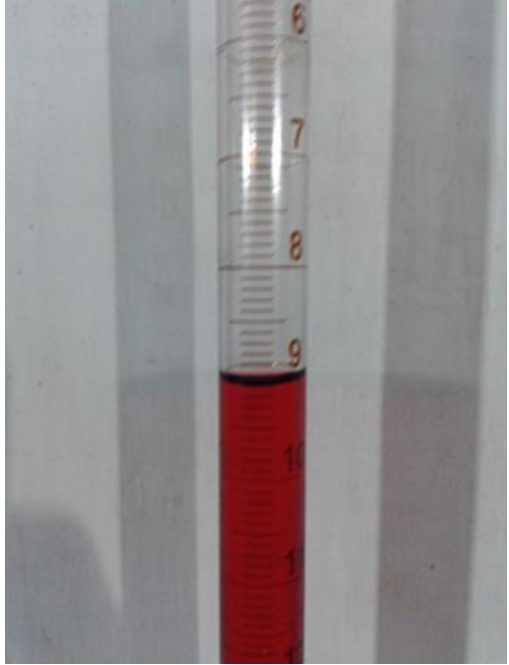
Tabel 1. Hasil pengujian flowbench

Lubang intake sebelum di <i>porting</i> (standar)		Lubang intake sesudah di <i>porting</i> (modifikasi)	
Pembukaan katup (mm)	Angka <i>airflow</i> (cfm)	Pembukaan katup (mm)	Angka <i>airflow</i> (cfm)
1	3,5	1	6,7
2	7,4	2	14,8
3	14,9	3	21,3
4	21,7	4	27,3
5	26,5	5	30,7
6	28	6	33,4
7	28,6	7	35,6



Gambar 1. Grafik pengujian flowbench

Tabel 2. Data rasio kompresi

Data rasio kompresi sebelum di papas <i>head</i>	Data rasio kompresi sesudah di papas <i>head</i>
	
1 : 12,25	1 : 12,78

Tabel 3. Data konsumsi bahan bakar

Kecepatan konstan (kmjam)	Data standart		Data modifikasi	
	Km / 50 ml	Km / 1 liter	Km / 50 ml	Km / 1 liter
20	4.1	82	4	80
30	4	80	3.9	78
40	3.9	78	3.7	74
50	3.8	76	3.4	68
60	3.4	68	3.1	62

Tabel 4. Daya dan torsi sebelum di porting dan di papas *head*

RPM	DATA AWAL (STANDART)		RPM	DATA MODIFIKASI (PORTING)	
	TORSI (N.m)	DAYA (HP)		TORSI (N.m)	DAYA (HP)
4250	6.05	3.6	4500	5.45	3.5
4500	6.98	4.4	4750	9.14	6.1
4750	6.96	4.7	4960	10.04	7
5000	7.07	5	5000	10	7
5225	7.29	5.4	5250	9.74	7.2
5250	7.28	5.4	5500	9.68	7.5
5500	7.19	5.6	5750	9.63	7.8
5750	7.26	5.9	6000	9.38	7.9
6000	7.19	6.1	6250	9.38	8.2
6250	7.09	6.3	6500	9.29	8.5
6500	6.91	6.4	6750	9.05	8.6
6750	6.75	6.4	7000	8.93	8.8
7000	6.64	6.6	7250	8.63	8.8
7237	6.47	6.6	7425	8.5	8.9
7250	6.42	6.6	7500	8.36	8.9
7500	6.1	6.5	7750	7.93	8.7
7750	5.79	6.3	8000	7.53	8.5
8000	5.35	6.1	8250	7.22	8.4
8250	5.13	6	8500	6.83	8.2
8500	4.83	5.8	8750	6	7.4
8750	4.49	5.6	9000	5.8	7.4
9000	4.42	5.4	9250	5.6	7.3
9250	3.92	5.1	4500	5.45	3.5

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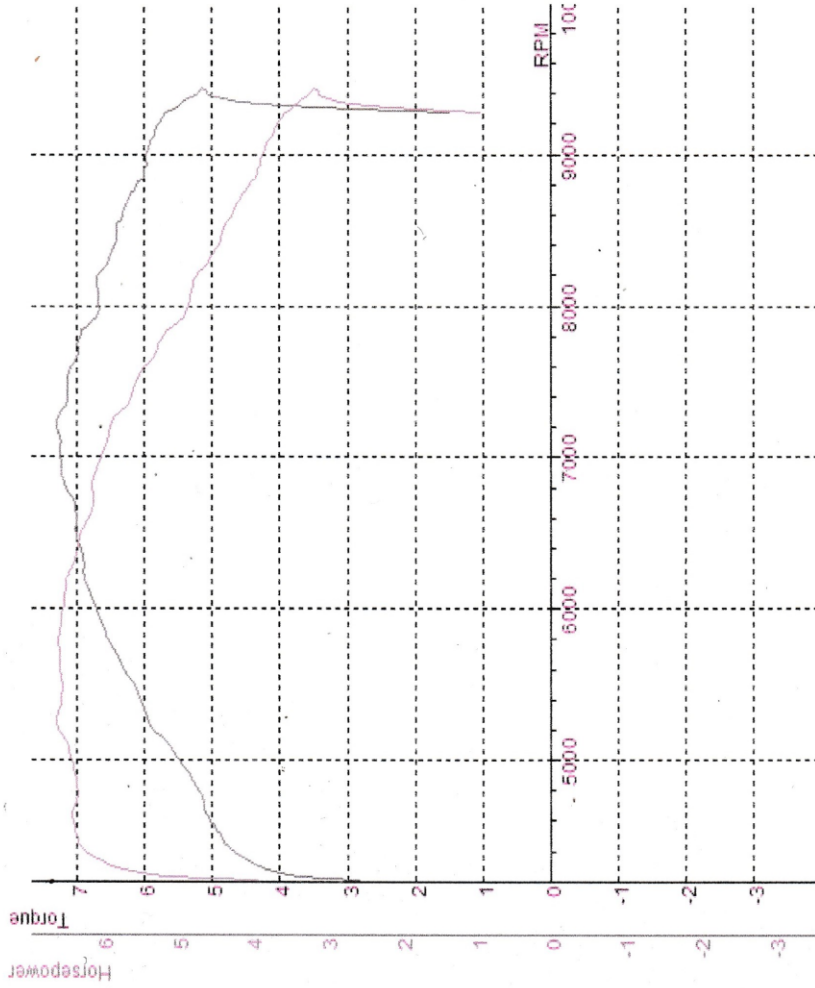
SPORTDYNO V3.3
DYNAMOMETER: MOTOTECH
ROLLER INERTIA: 1.446

Displacement Correction
 Correction Factor: ISO 1585
 NOTE: Load Cell Included.

TEST NAME: HONDA 800 T005
 MAX POWER: 87.6
 MAX TORQUE: 10000.0 mbar
 Temp. °C: 30.6 °C
 Humidity %: 51 %
 Pressure: 10000.0 mbar
 Date/Time: 15/05/2017 11:04:32

DATA FOR TEST: HONDA 800 T005

Comments
 STD



RPM	HP (HP) (N*M*M)	T
4250	3.6	6.05
4500	4.4	6.98
4750	4.7	6.96
5000	5.0	7.07
5225	5.4	7.29
5250	5.4	7.28
5500	5.6	7.19
5750	5.9	7.26
6000	6.1	7.19
6250	6.3	7.09
6500	6.4	6.91
6750	6.4	6.75
7000	6.6	6.64
7237	6.6	6.47
7250	6.6	6.42
7500	6.5	6.10
7750	6.3	5.79
8000	6.1	5.35
8250	6.0	5.13
8500	5.8	4.83
8750	5.6	4.49
9000	5.4	4.24
9250	5.1	3.92

LOSSES: -0.2 HP
 TOTAL ENGINE: 6.8HP
 -0.1N*M*M
 7.40N*M*M

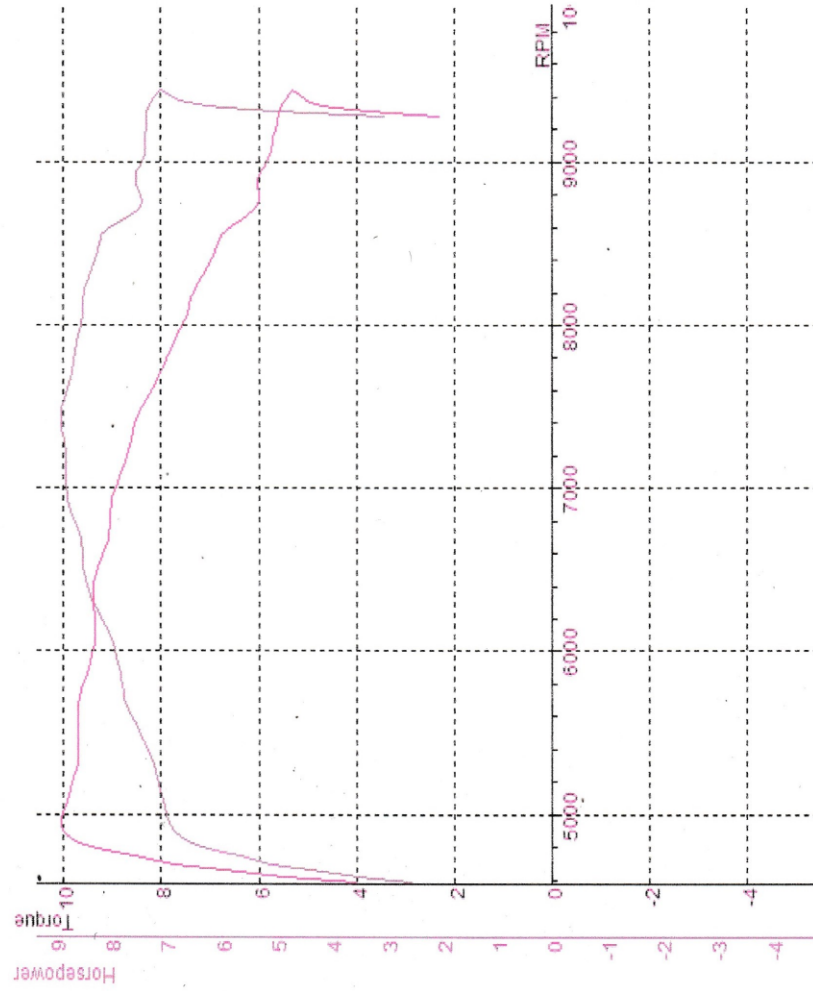
Mototech

Diponegoro Motorcycles Research Support
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 Bantul, Yogyakarta, Indonesia
 Telp : +62 274 651633

SPORTDYNO V3.3
 DYNAMOMETER: MOTOTECH
 ROLLER INERTIA: 1.446

Displacement Correction
 Correction Factor: ISO 1585
 NOTE: Load Cell Included.

TEST NAME: HONDA 800 T005
 MAX POWER: 8.9 (8.9) / 7425
 MAX TORQUE: 10.04 (10.04) / 4960
 Temp. °C: 30.1 °C
 Humidity %: 54 %
 Pressure: 1000.0 mbar
 KMH: 74.7
 Date/Time: 15/05/2017 10:48:02



DATA FOR TEST: HONDA 800 T005

Comments
 MODIFIKASI

RPM	HP (HP)*M	HP (HP)*M	T
4500	3.5	5.45	0.52
4750	6.1	9.14	0.60
4960	7.0	10.04	0.70
5000	7.0	10.00	0.72
5250	7.2	9.74	0.86
5500	7.5	9.68	1.00
5750	7.8	9.63	1.12
6000	7.9	9.38	1.26
6250	8.2	9.38	1.40
6500	8.5	9.29	1.54
6750	8.6	9.05	1.68
7000	8.8	8.93	1.82
7250	8.8	8.63	1.98
7425	8.9	8.50	2.08
7500	8.9	8.36	2.14
7750	8.7	7.93	2.30
8000	8.5	7.53	2.48
8250	8.4	7.22	2.66
8500	8.2	6.83	2.84
8750	7.4	6.00	3.06
9000	7.4	5.80	3.30
9250	7.3	5.60	3.52

LOSSES: 0.0 HP
 TOTAL ENGINE: 8.9 HP
 0.0N*M*M
 10.04N*M*M