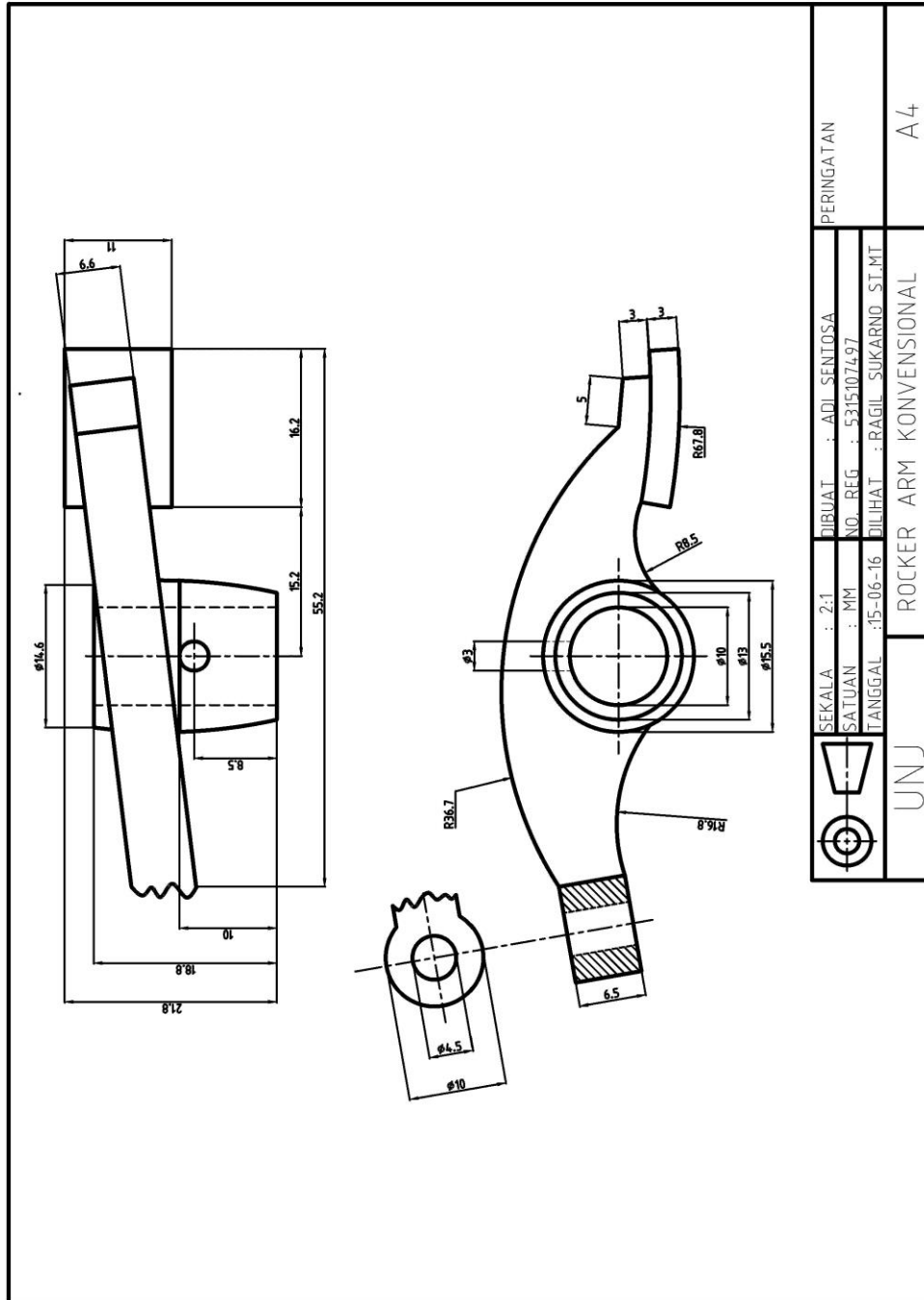
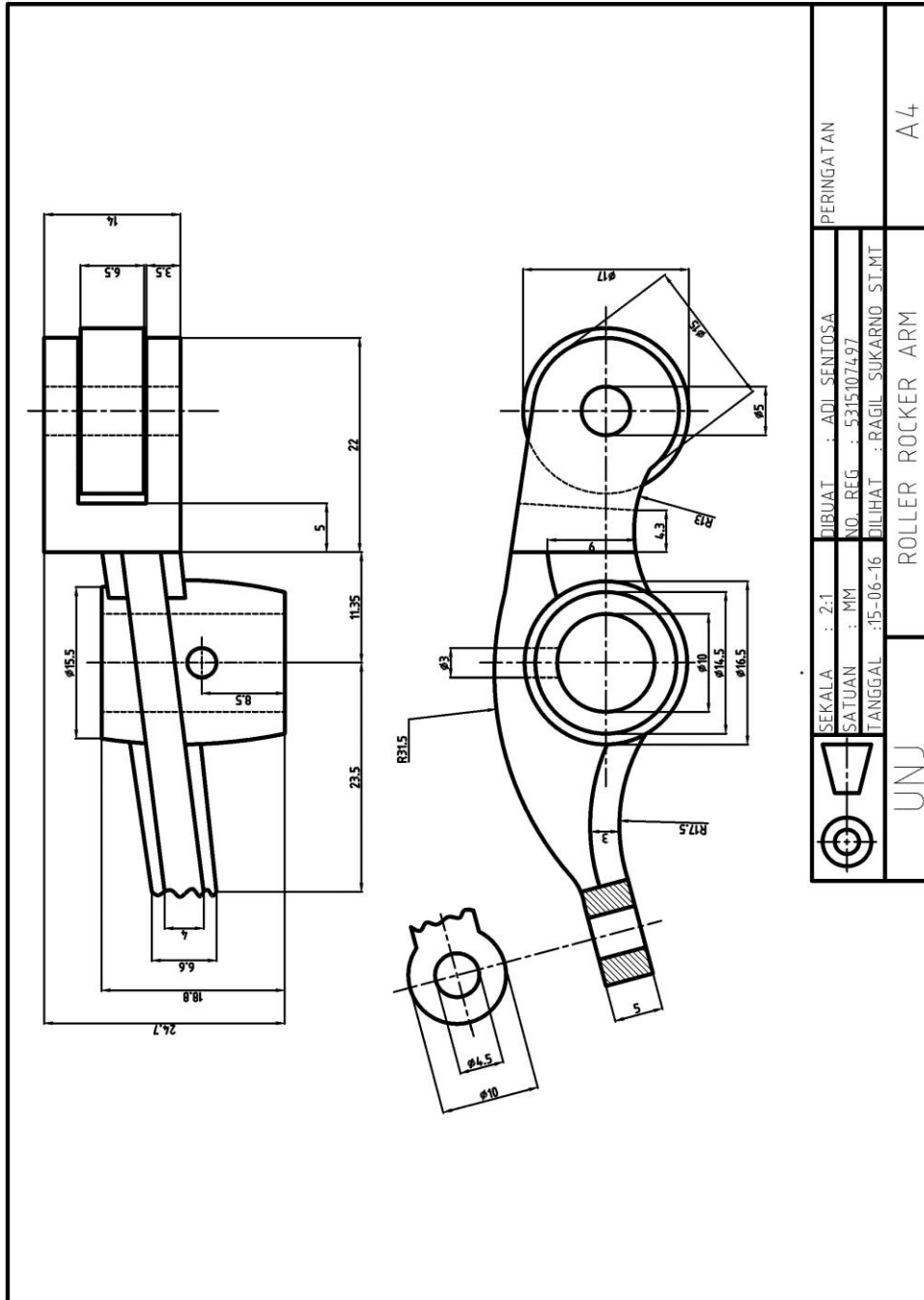


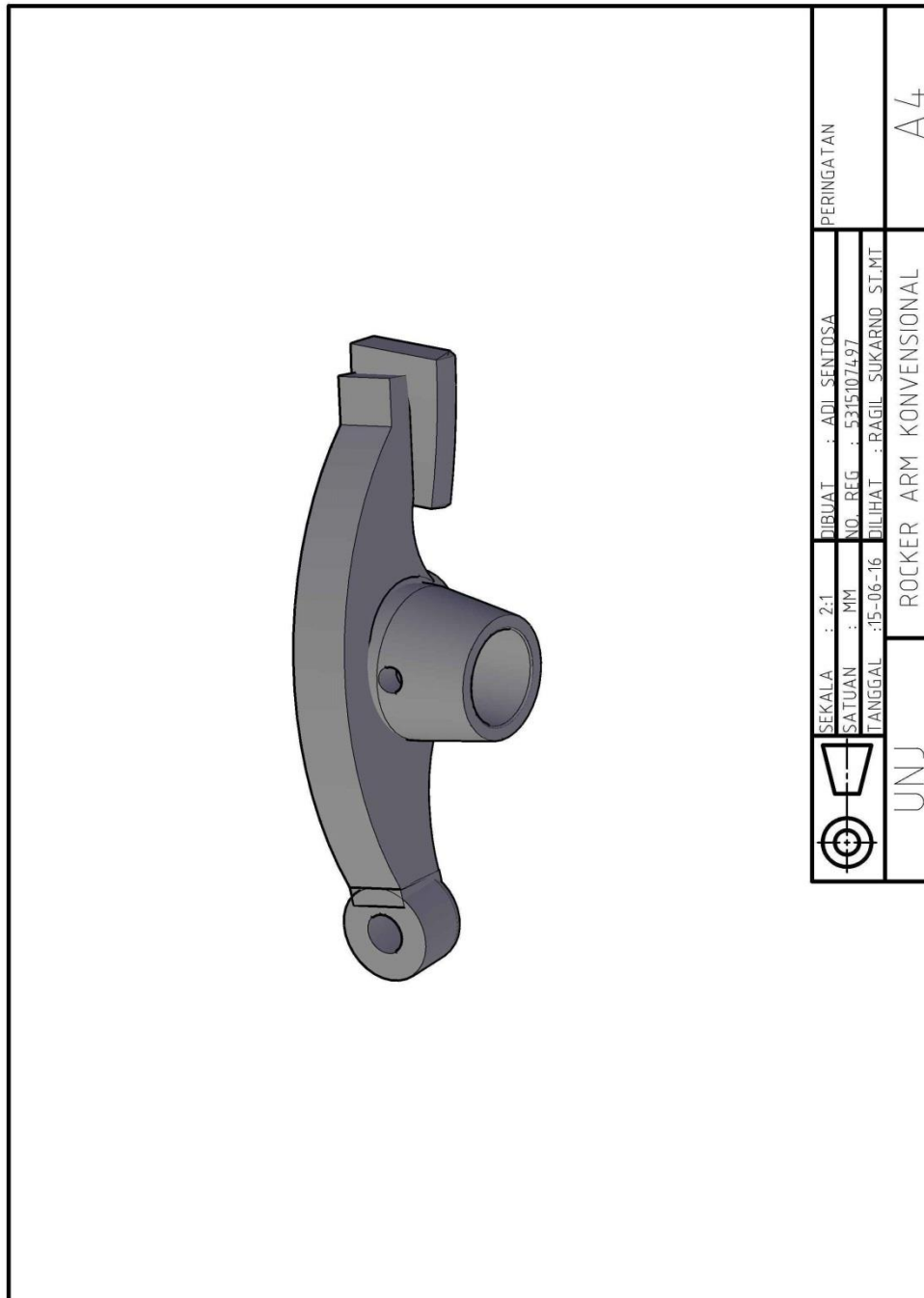
# LAMPIRAN

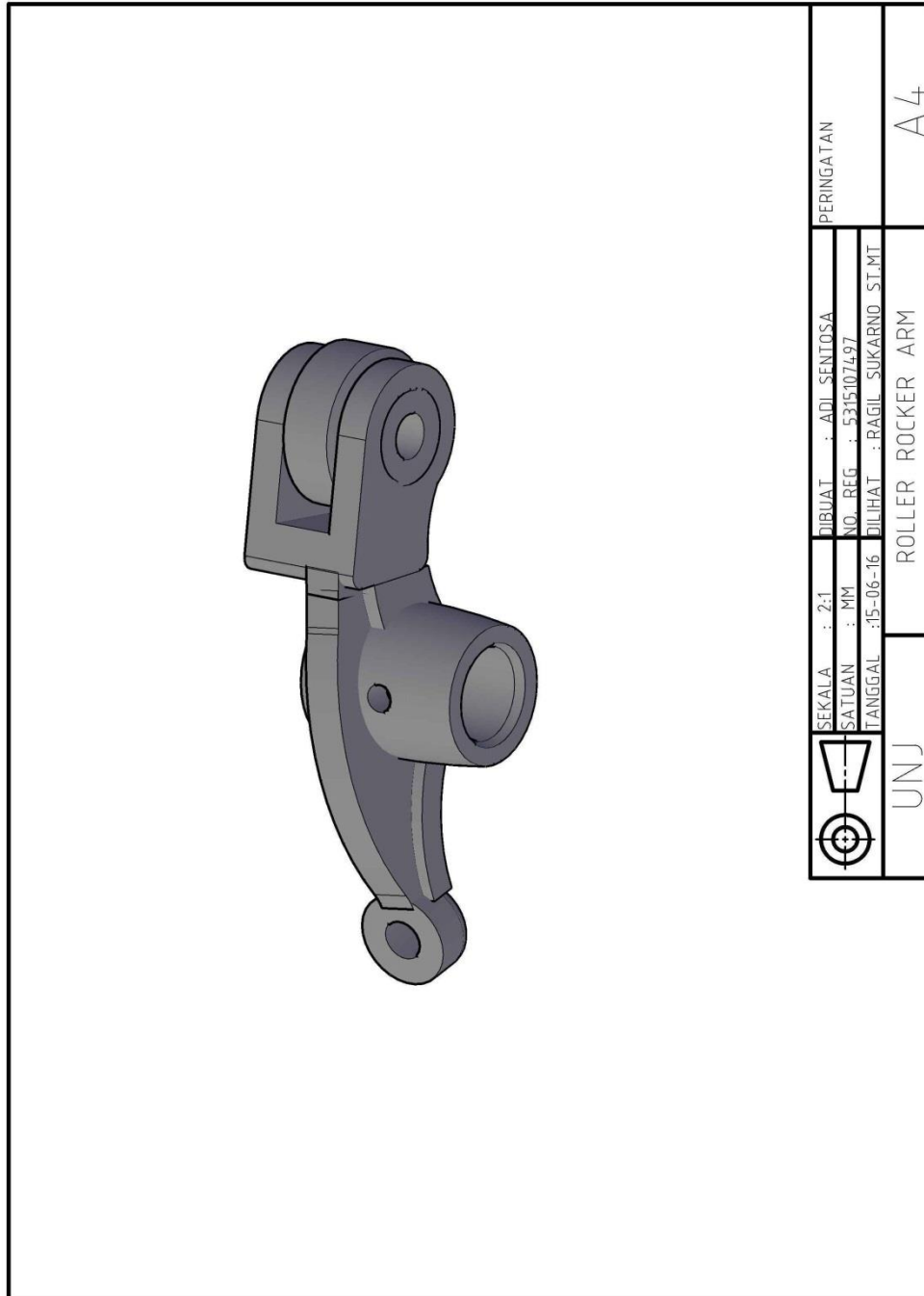
Lampiran 1 Dimensi Rocer Arm Konvensional



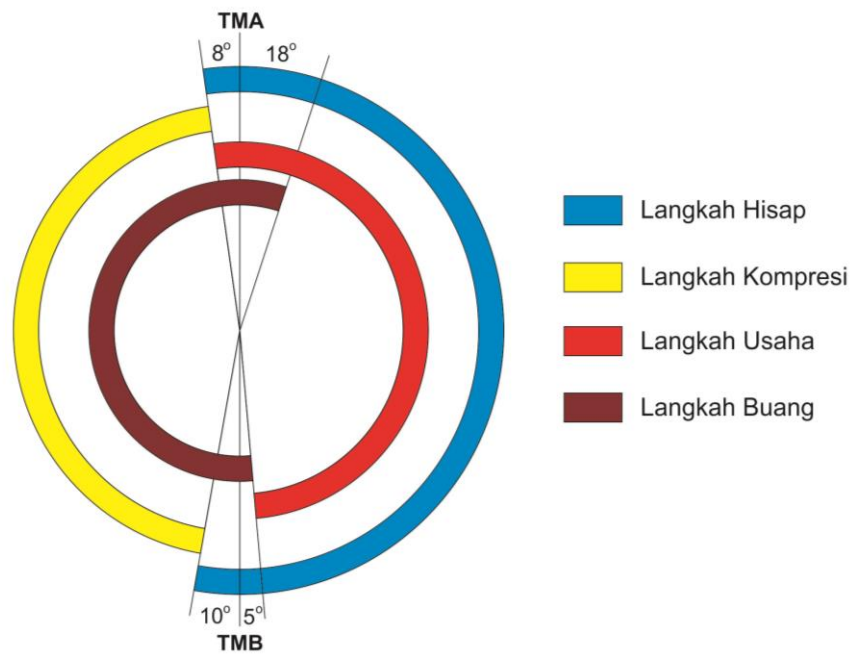
Lampiran 2 Dimensi *Roller Rocker Arm*



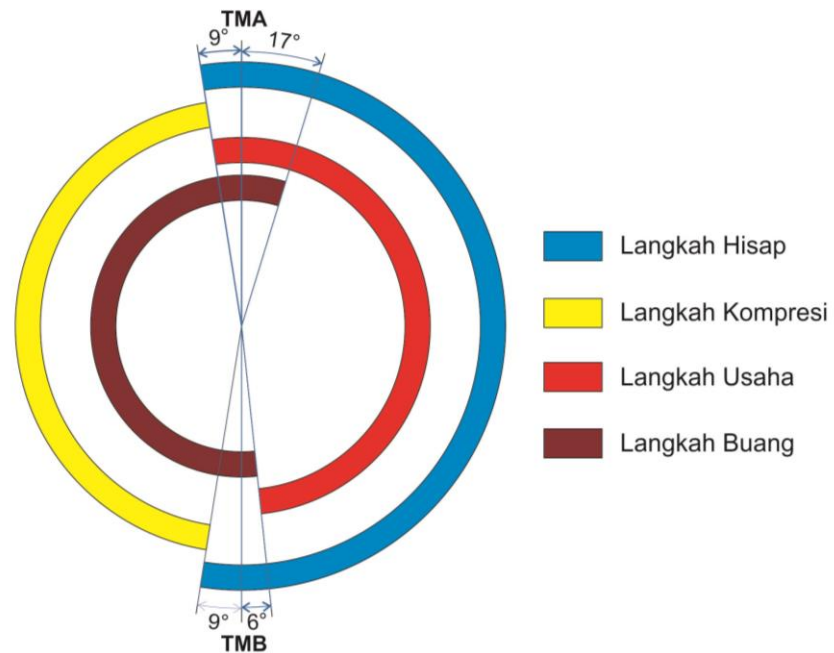
Lampiran 3 *Rocker Arm* Konvensional (3D)

Lampiran 4 *Roller Rocker Arm (3D)*

Lampiran 5 *Valve Timing Diagram*

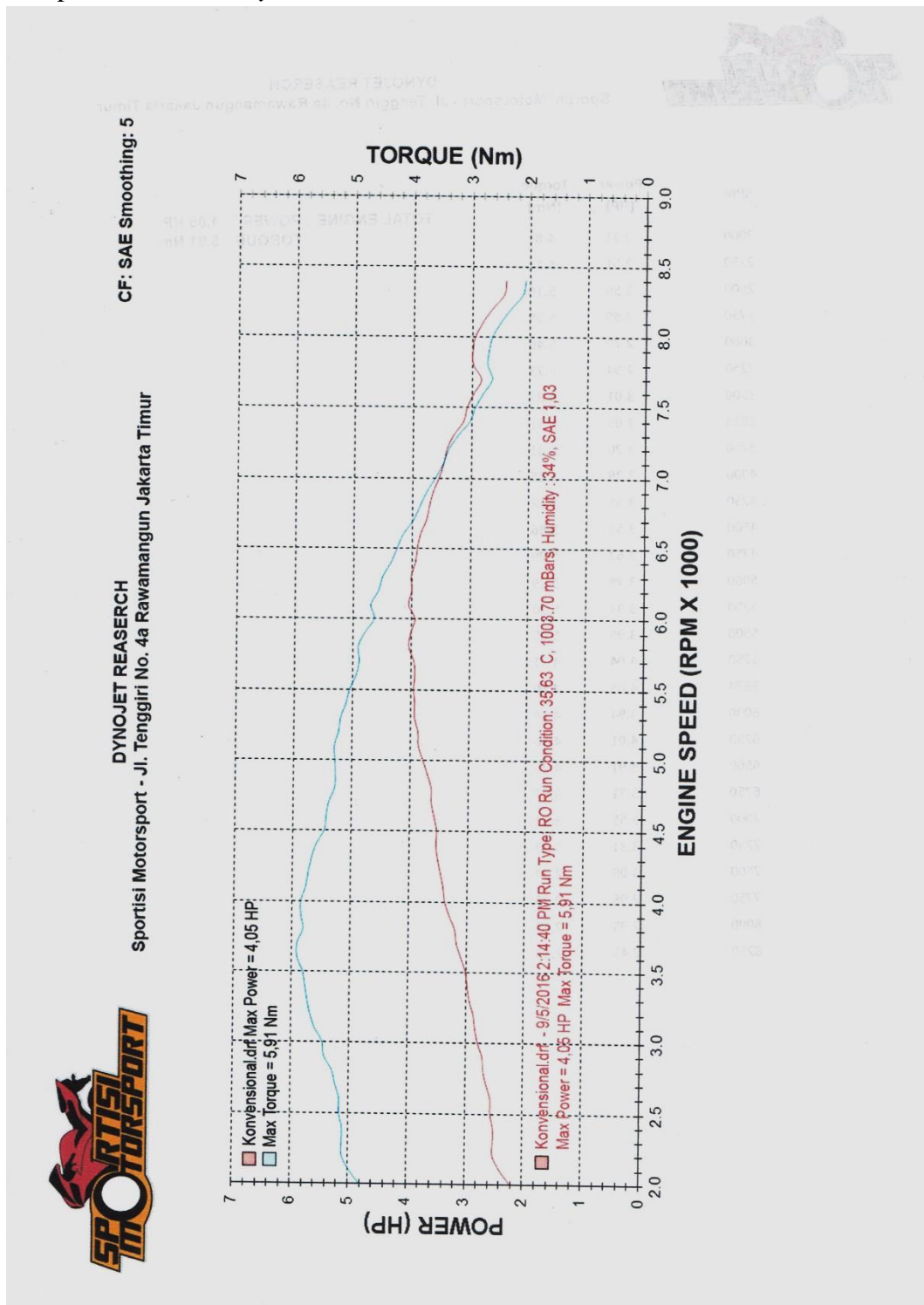


*Rocker Arm Konvensional*

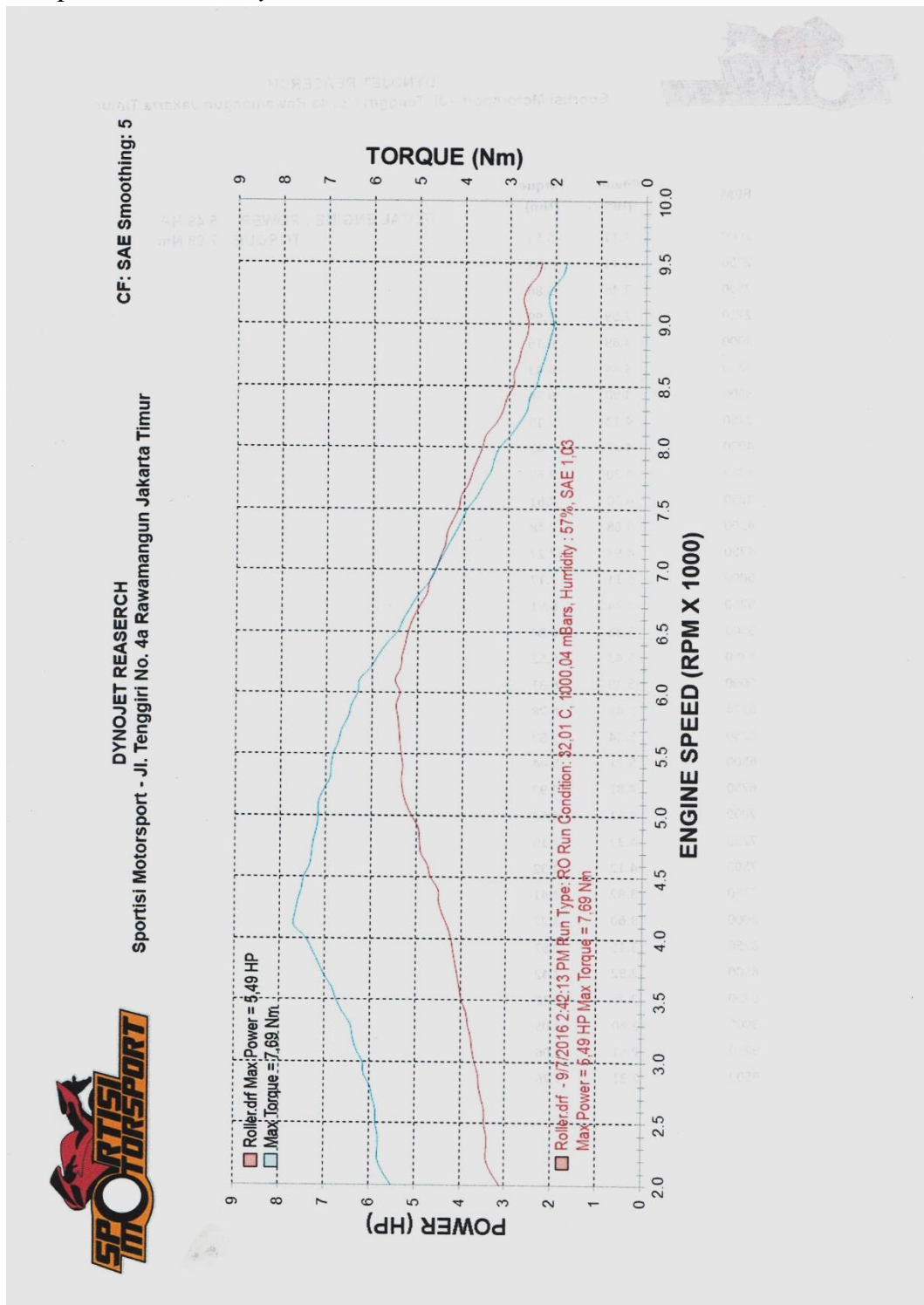


*Roller Rocker Arm*

Lampiran 6 Hasil Dynotest Rocker Arm Konvensional

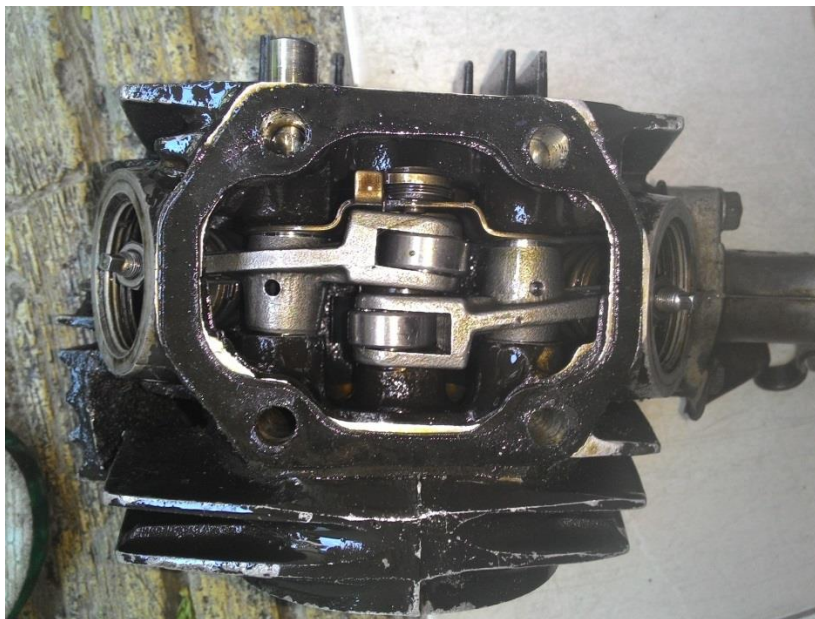
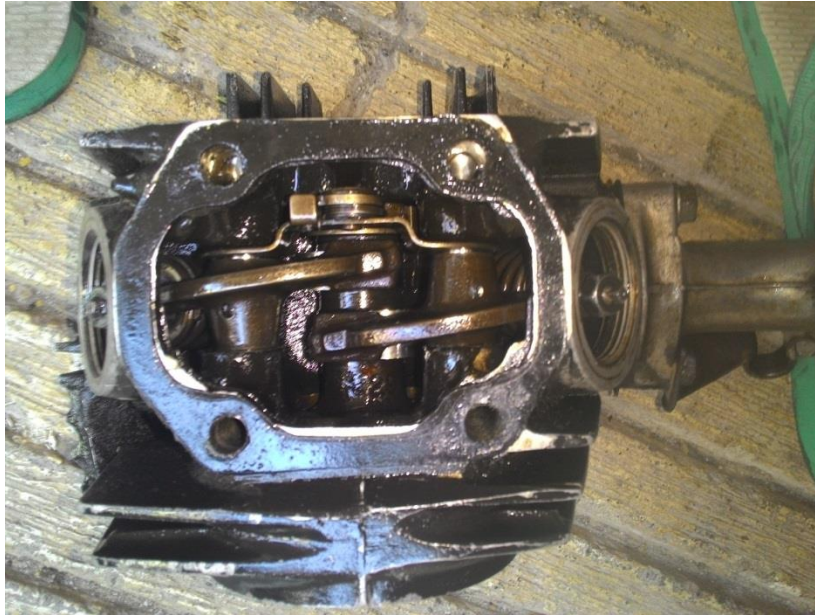


Lampiran 7 Hasil Dynotest Roller Rocker Arm





Lampiran 8 Pemasangan *Rocker Arm*



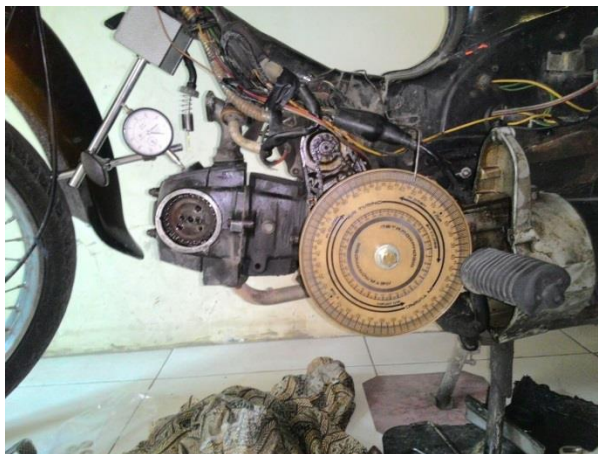
Lampiran 9 Hasil Emisi Gas Buang *Rocker Arm* Konvensional

ANALISA GAS BUANG	ANALISA GAS BUANG	ANALISA GAS BUANG
BRAIN BEE		
Tipe: AGS-688	Tipe: AGS-688	Tipe: AGS-688
Versi Software: 1.107	Versi Software: 1.107	Versi Software: 1.107
No. Seri: 100609000019	No. Seri: 100609000019	No. Seri: 100609000019
ASTRA MOTOR JAKARTA		
0	0	0
1	1	1
No. Polisi: B5711DN	No. Polisi: B5711DN	No. Polisi: B5711DN
Bahan Bakar: BENJIN	Bahan Bakar: BENJIN	Bahan Bakar: BENJIN
NILAI TERUKUR		
Oli : 35 [°C]	Oli : 35 [°C]	Oli : 35 [°C]
RPM : 4510 [1/min]	RPM : 4530 [1/min]	RPM : 4560 [1/min]
CO : 8.10 [ZVol]	CO : 8.11 [ZVol]	CO : 7.91 [ZVol]
COcor : 8.10 [ZVol]	COcor : 8.62 [ZVol]	COcor : 7.91 [ZVol]
CO2 : 5.6 [ZVol]	CO2 : 6.0 [ZVol]	CO2 : 5.7 [ZVol]
HC : 1173 [ppmVol]	HC : 947 [ppmVol]	HC : 966 [ppmVol]
O2 : 6.97 [ZVol]	O2 : 6.30 [ZVol]	O2 : 6.76 [ZVol]
Lambda : 1.009 [-]	Lambda : 0.988 [-]	Lambda : 1.016 [-]
Tanggal dan waktu 01.10.2016 14:42	Tanggal dan waktu 01.10.2016 14:41	Tanggal dan waktu 01.10.2016 14:40
Stempel/Cap	Stempel/Cap	Stempel/Cap
Penguji Paras EKO P	Penguji Paras EKO P	Penguji Paras EKO P

Lampiran 10 Hasil Emisi Gas Buang *Roller Rocker Arm*

ANALISA GAS BUANG	ANALISA GAS BUANG	ANALISA GAS BUANG
<b>BRAIN BEE</b>	<b>BRAIN BEE</b>	<b>BRAIN BEE</b>
Tipe: AGS-688	Tipe: AGS-688	Tipe: AGS-688
Versi Software: 1.107	Versi Software: 1.107	Versi Software: 1.107
No. Seri: 100609000019	No. Seri: 100609000019	No. Seri: 100609000019
ASTRA MOTOR JAKARTA	ASTRA MOTOR JAKARTA	ASTRA MOTOR JAKARTA
0	0	0
1	1	1
No. Polisi: B5711DN	No. Polisi: B5711DN	No. Polisi: B5711DN
Bahan Bakar: BENSIN	Bahan Bakar: BENSIN	Bahan Bakar: BENSIN
<b>NILAI TERUKUR</b>	<b>NILAI TERUKUR</b>	<b>NILAI TERUKUR</b>
Oli : 33 [°C]	Oli : 33 [°C]	Oli : 33 [°C]
RPM : 4520 [1/min]	RPM : 4530 [1/min]	RPM : 4530 [1/min]
CO : 6.89 [ZVol]	CO : 7.03 [ZVol]	CO : 7.05 [ZVol]
COcor : 6.89 [ZVol]	COcor : 7.03 [ZVol]	COcor : 7.05 [ZVol]
CO2 : 5.1 [ZVol]	CO2 : 5.0 [ZVol]	CO2 : 5.1 [ZVol]
HC : 664 [ppmVol]	HC : 695 [ppmVol]	HC : 657 [ppmVol]
O2 : 10.13 [ZVol]	O2 : 10.05 [ZVol]	O2 : 9.36 [ZVol]
Lambda : 1.265 [-]	Lambda : 1.252 [-]	Lambda : 1.212 [-]
Tanggal dan waktu 28.09.2016 12:17	Tanggal dan waktu 28.09.2016 12:19	Tanggal dan waktu 28.09.2016 12:18
Stempel/Cap	Stempel/Cap	Stempel/Cap
<i>PT. Astra International Tbk - Honda</i> Cabang Jakarta	<i>PT. Astra International Tbk - Honda</i> Cabang Jakarta	<i>PT. Astra International Tbk - Honda</i> Cabang Jakarta
Penguji: EKO P	Penguji: EKO P	Penguji: EKO P
Paraf:	Paraf:	Paraf:
α	α	α

Lampiran 11 Dokumen Penelitian



## Lampiran 12 Uji Konsumsi Bahan Bakar



Lampiran 13 Uji *Dynotest*



## Lampiran 14 Uji Emisi Gas Buang

