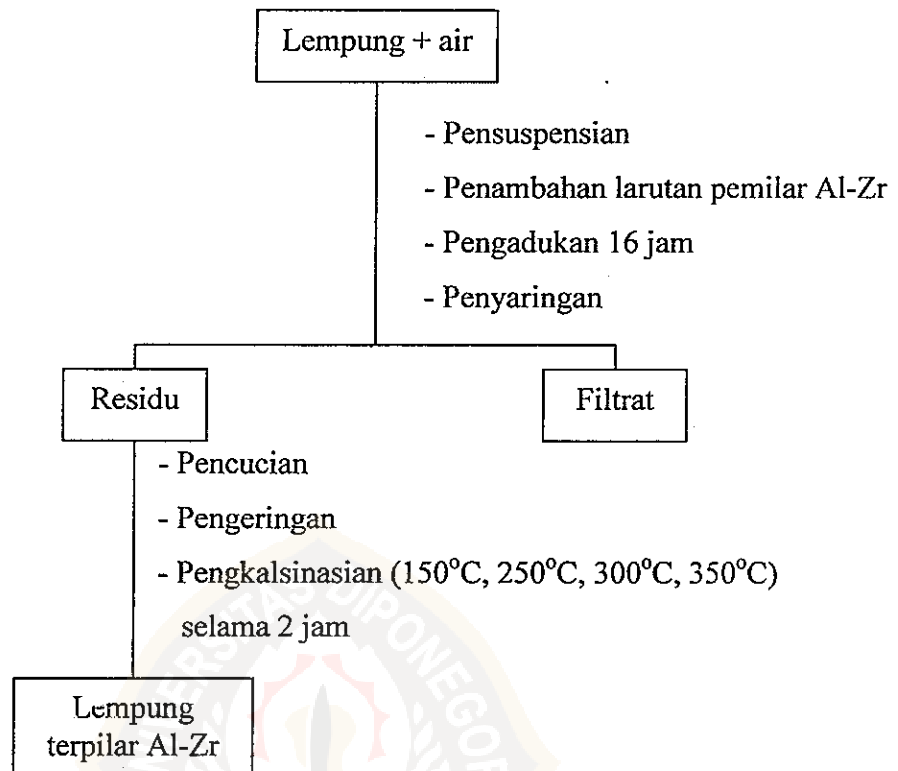
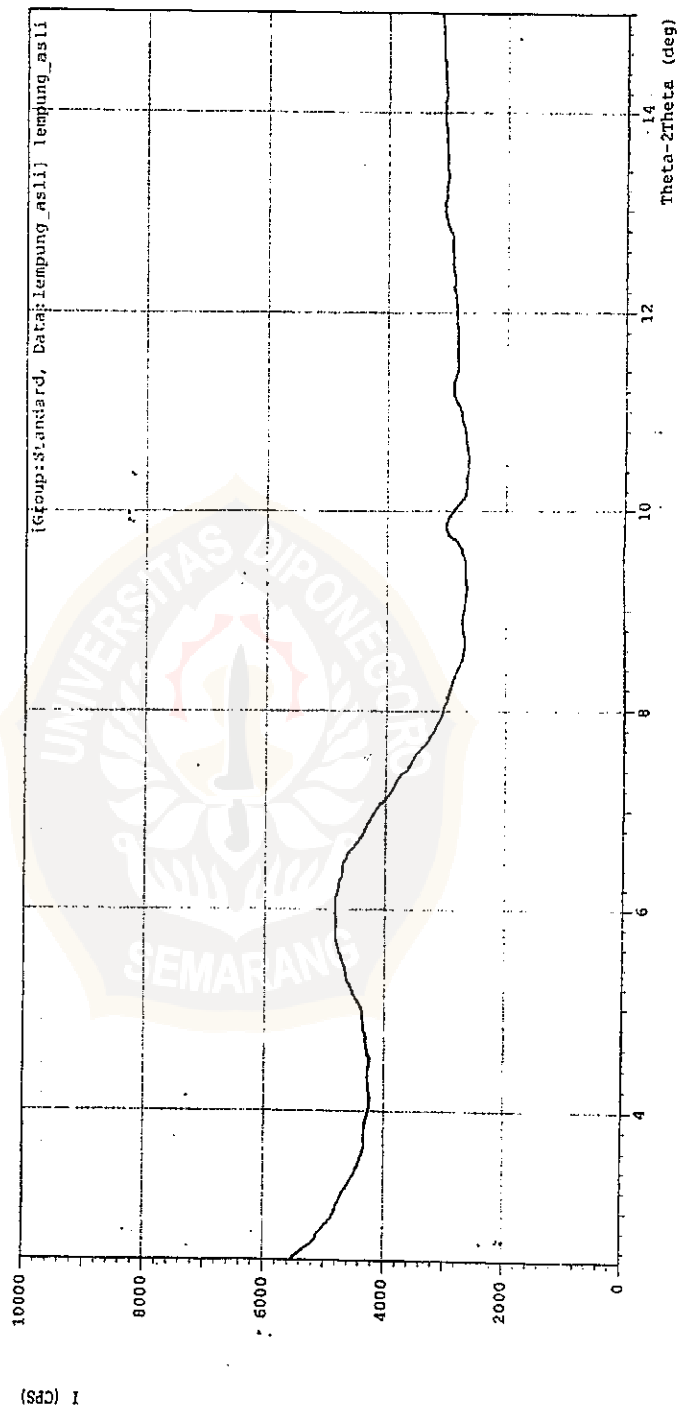


LAMPIRAN A : Skema Kerja Pembuatan Lempung Terpillar Aluminium-Zirkonium

LAMPIRAN B: Data XRD lempung asli

*** Multi Plot ***

File Name : Standard\lempung asli
Sample Name : lempung asli
Date & Time : 08-12-04 10:25:37
Condition :
X-ray Tube : Cu(1.54060 Å) Voltage : 40.0 kV Current : 30.0 mA
Scan Range : 2.5000 <-> 15.0000 deg Step Size : 0.0200 deg
Count Time : 0.60 sec Slit DS : 1.00 deg SS : 1.00 deg RS : 0.30 mm
Comment : lempung_asli



LAMPIRAN C: Data XRD lempung pada kalsinasi 150°C

*** Multi Plot ***

File Name : Standard\yeni8

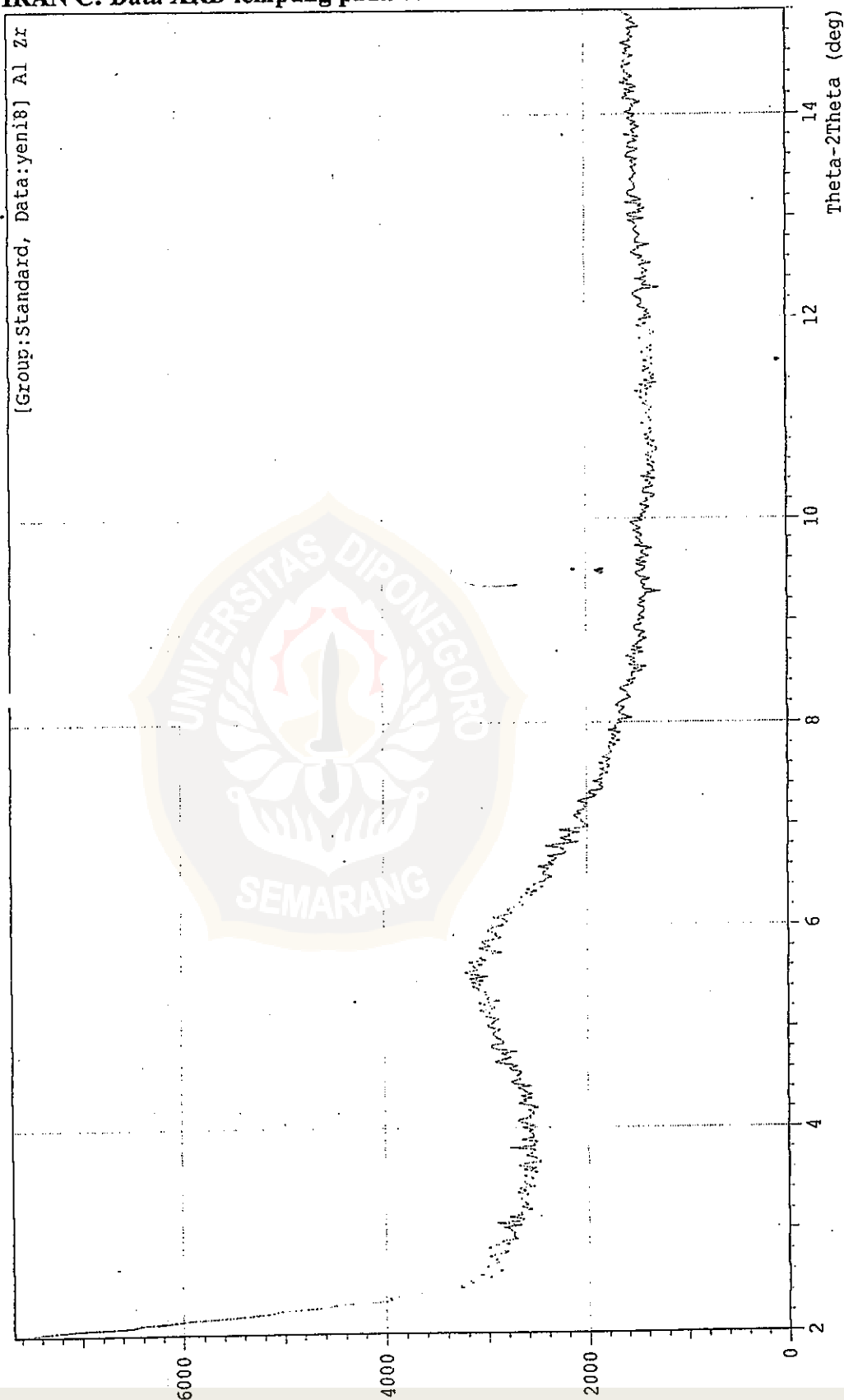
Sample Name : Al Zr

Date & Time : 06-04-05 09:55:12

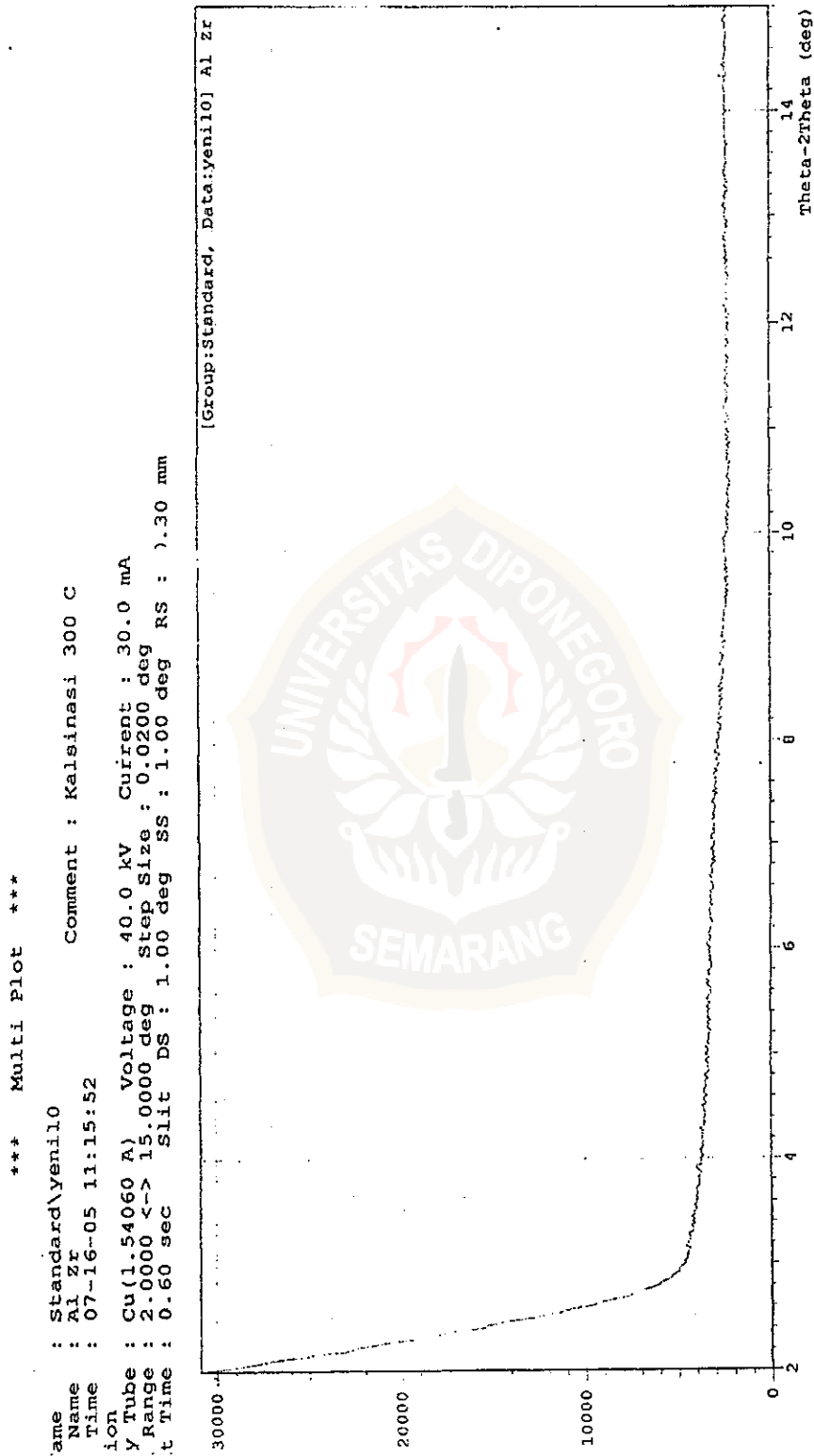
Comment : Kalsinasi 150 C

Condition

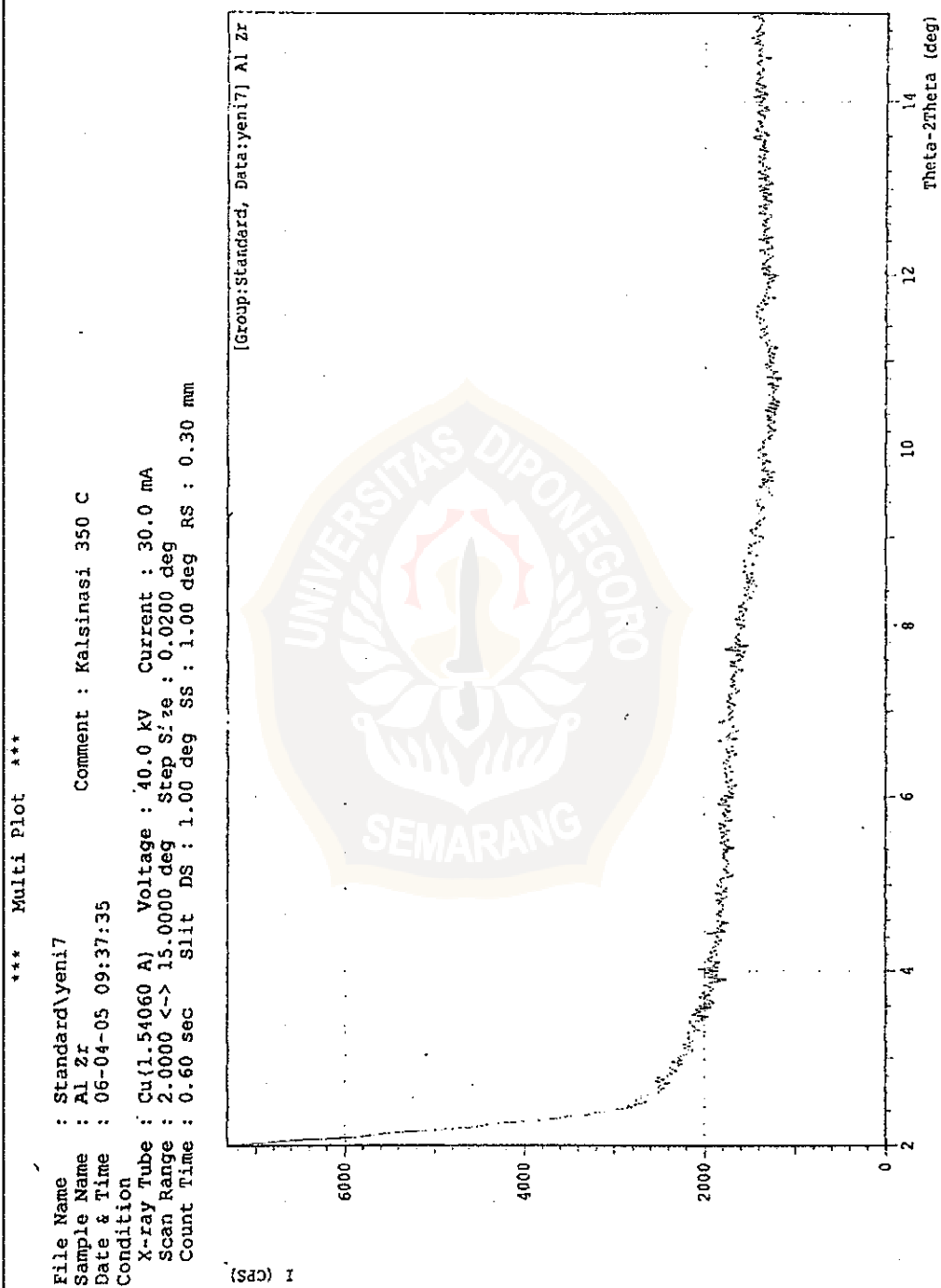
X-ray Tube : Cu(L-54060-A) Voltage : 40.0 kV Current : 30.0 mA
Scan Range : 2.0000 <-> 15.0000 deg Step Size : 0.0200 deg
Count Time : 0.60 sec Slit DS : 1.00 deg SS : 1.00 deg RS : 0.30 mm



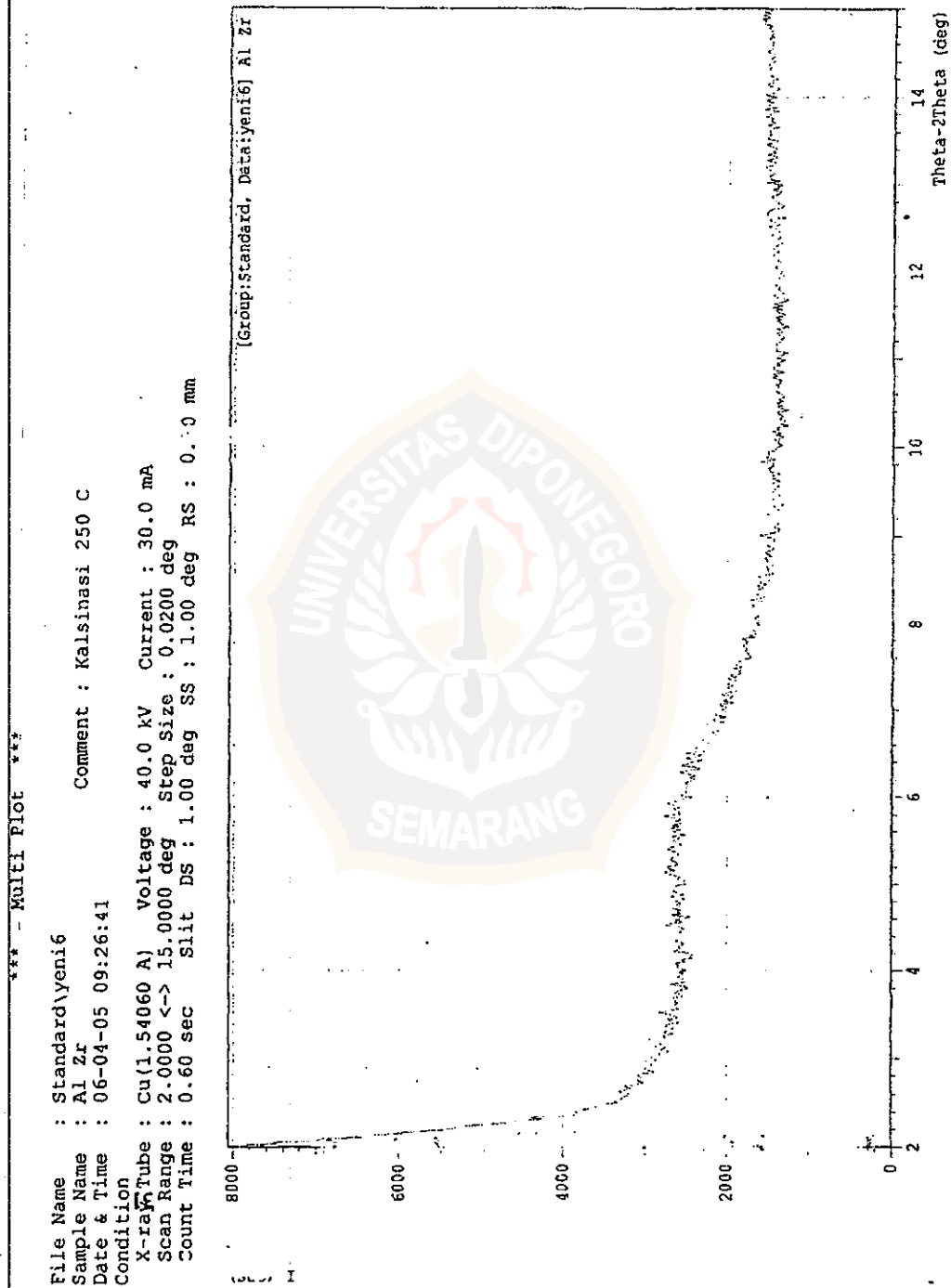
LAMPIRAN D: Data XRD lempung pada kalsinasi 300°C



LAMPIRAN E: Data XRD lempung pada kalsinasi 350°C



LAMPIRAN E: Data XRD lempung pada kalsinasi 250°C



LAMPIRAN F: Data Pengukuran Luas Permukaan

User ID	= Yeni	User Setup	= 5
Sample ID	= Lempung Al Zr3	Sample Cell Number	= 2
Sample Weight	= 0.4323 g	Sample Volume	= 0.4323 cc
Sample Density	= 1.0000 g/cc		
Po Type	= User	Po	= 749.24 mm Hg
Adsorbate	= N2	Bath Temperature	= 77.40 deg K
Adsorption Tolerance	= 0.1000 mm Hg	Desorption Tolerance	= 0.0000 mm Hg
Adsorption Equil Time	= 60 sec	Desorption Equil Time	= 0 sec
Adsorption Dwell Time	= 180 sec	Desorption Dwell Time	= 0 sec
Analysis Start Time	= Thu Aug 04 11:06:33 2005	Analysis End Time	= Thu Aug 04 12:28:23 2005

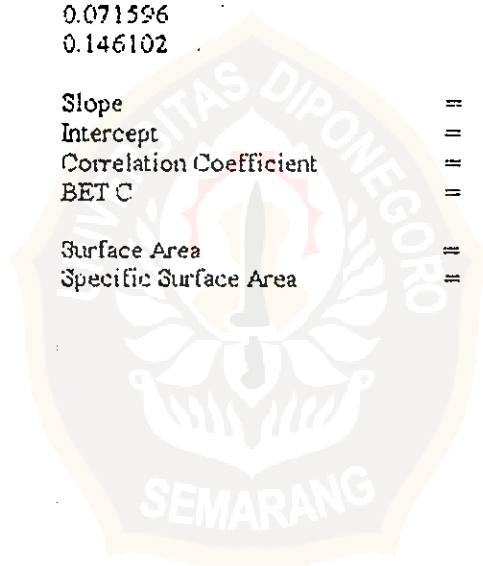
Multi BET (Adsorption)

P/Po	BET Transform (1/(W[Po/P - 1]))
------	------------------------------------

0.050182	1.812620
0.071596	2.544724
0.146102	5.231265

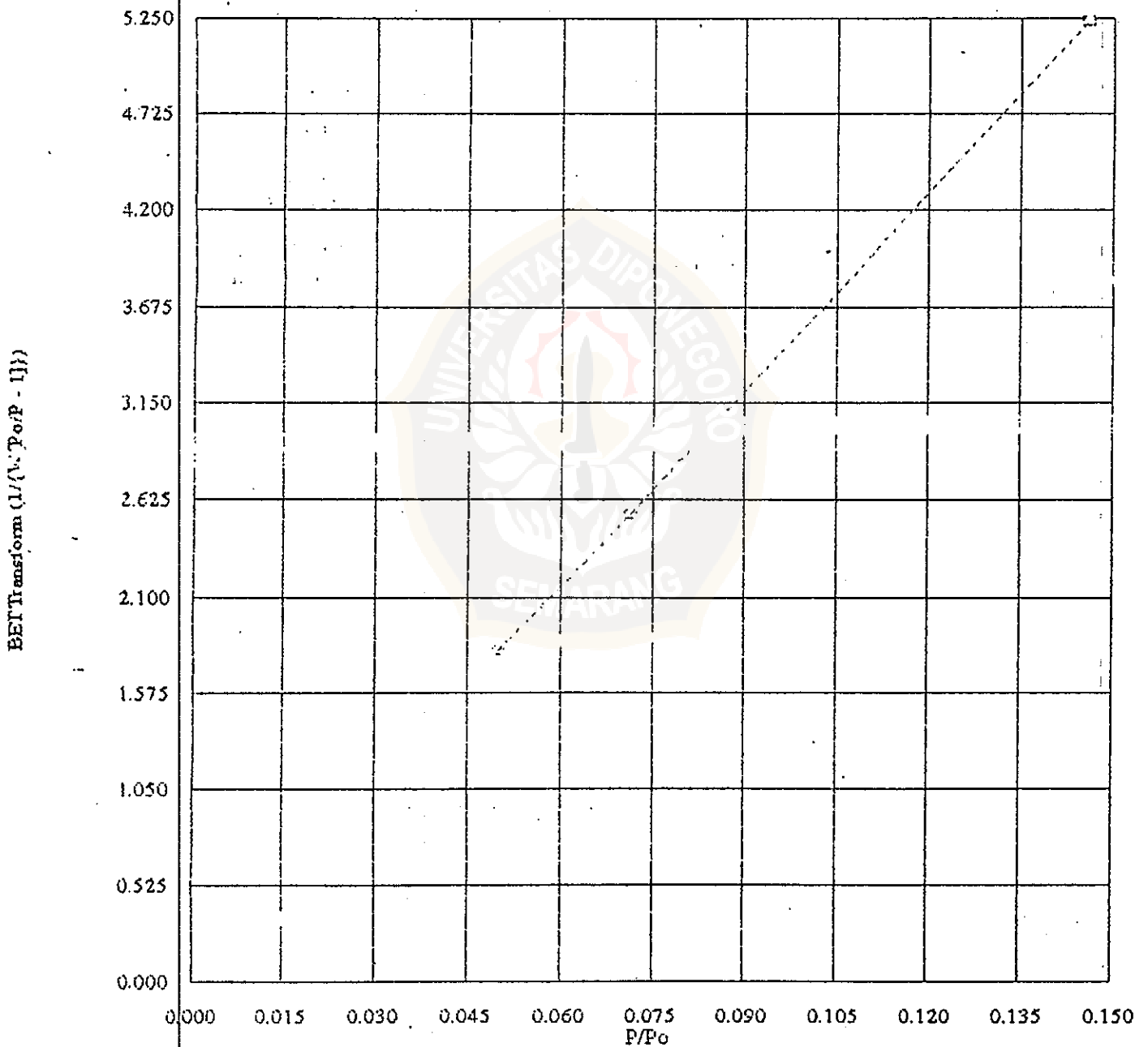
Slope	=	35.749052
Intercept	=	0.004051
Correlation Coefficient	=	0.999955
BET C	=	8825.852686

Surface Area	=	42.108981 sq m
Specific Surface Area	=	97.404595 sq m/g



User ID	= Yeni	User Setup	= 5
Sample ID	= Lempung Al Zr3	Sample Cell Number	= 2
Sample Weight	= 0.4323 g	Sample Volume	= 0.4323 cc
Sample Density	= 1.0000 g/cc		
Po Type	= User	Po	= 749.24 mm Hg
Adsorbate	= N2	Bath Temperature	= 77.40 deg K
Adsorption Tolerance	= 0.1000 mm Hg	Desorption Tolerance	= 0.0000 mm Hg
Adsorption Equil Time	= 60 sec	Desorption Equil Time	= 0 sec
Adsorption Dwell Time	= 180 sec	Desorption Dwell Time	= 0 sec
Analysis Start Time	= Thu Aug 04 11:06:33 2005	Analysis End Time	= Thu Aug 04 12:28:23 2005

Multi BET (Adsorption)



Quantachrome Corporation
NOVA Data Analysis Package Ver. 2.00
File Name = yeni.dat

ID	= Yeni	User Setup	= 5
Sample ID	= LempungAlZr3	Sample Cell Number	= 2
Sample Weight	= 0.4323 g	Sample Volume	= 0.4323 cc
Sample Density	= 1.0000 g/cc		
Po Type	= User	Po	= 749.24 mm Hg
Adsorbate	= N ₂	Bath Temperature	= 77.40 deg K
Adsorption Tolerance	= 0.1000 mm Hg	Desorption Tolerance	= 0.0000 mm Hg
Adsorption Equil Time	= 60 sec	Desorption Equil Time	= 0 sec
Adsorption Dwell Time	= 180 sec	Desorption Dwell Time	= 0 sec
Analysis Start Time	= Thu Aug 04 11:06:33 2005	Analysis End Time	= Thu Aug 04 12:28:23 2005

Pore Radius (Ang)	DVR (Adsorption)	
	Pore Area (sq m/Å/g e-03)	Pore Volume (cc/Å/g e-03)
677.596046	0.020604	0.000698
161.997870	1.129732	0.009151
99.292341	5.265163	0.026140
76.034763	11.869650	0.045125
60.139771	6.363503	0.019135
49.447480	36.219956	0.089549
41.751757	66.953598	0.139772
36.651590	128.050653	0.234663
32.661377	132.982056	0.217169
29.277331	187.527410	0.274515
26.466695	263.062719	0.348120
24.055817	358.371283	0.431046
22.012199	483.817870	0.532495
20.211915	628.211756	0.635474
18.624960	797.563224	0.742729
17.205444	1098.435369	0.944953
15.941707	1675.661528	1.335645
14.811461	1629.384590	1.206678
13.734153	2104.996728	1.445517

Total Pore Volume is 54.849214 e-03 cc/g for
all pores less than 1114.270829 Angstrom.

Average pore radius is 14.262141 Angstrom.