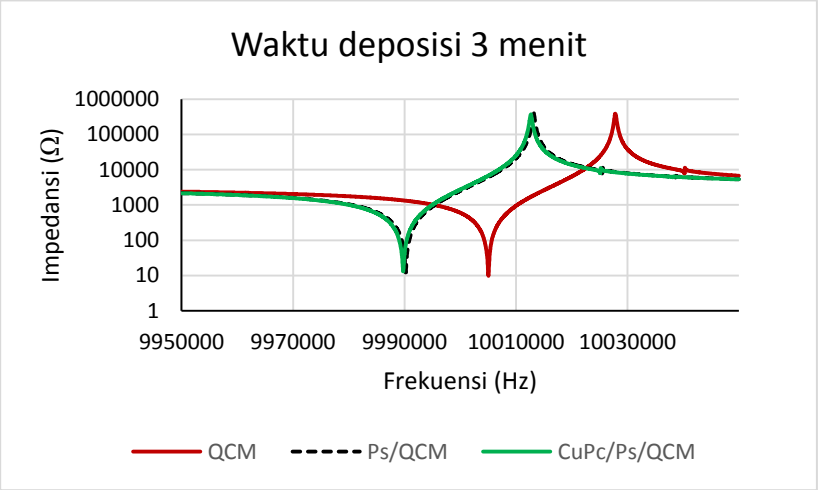
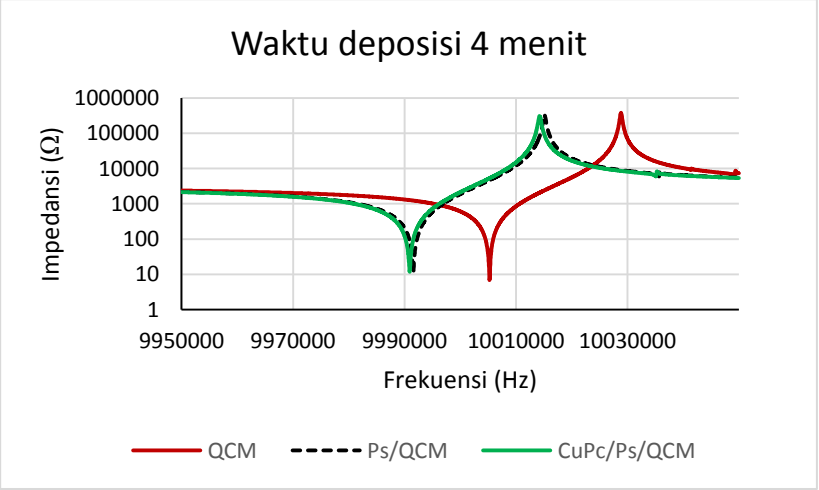
LAMPIRAN

Lampiran 1 Data hasil pengukuran impedansi

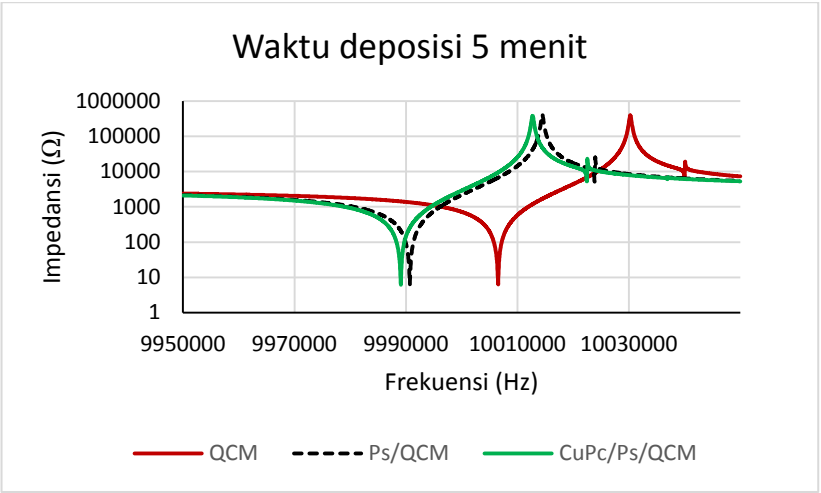
C1



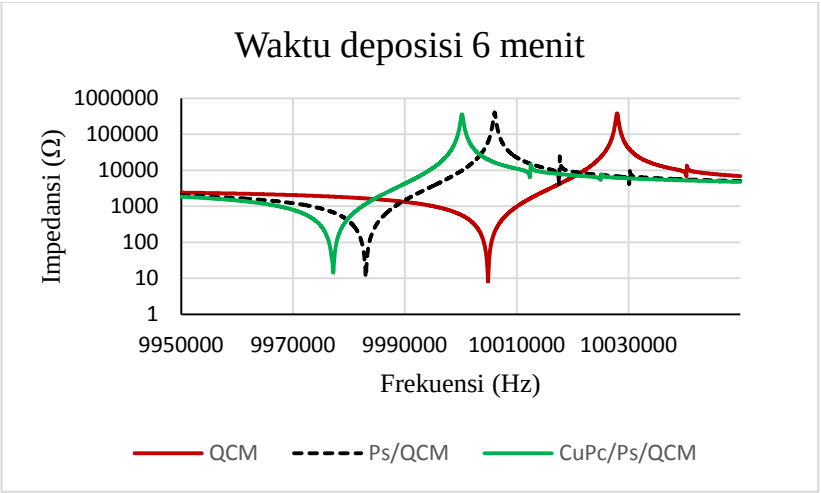
C2



C3


Waktu deposisi 5 menit
Impedansi (Ω)
1000000
100000
10000
1000
100
10
1
9950000
9970000
9990000
10010000
10030000
Frekuensi (Hz)
QCM
Ps/QCM
CuPc/Ps/QCM

C4


Waktu deposisi 6 menit
Impedansi (Ω)
1000000
100000
10000
1000
100
10
1
9950000
9970000
9990000
10010000
10030000
Frekuensi (Hz)
QCM
Ps/QCM
CuPc/Ps/QCM

Lampiran 2 Data hasil uji respon kelembaban

C1

Kelembaban Naik		Kelembaban Turun	
f (Hz)	**RH (%)**	**f (Hz)**	**RH (%)**
9989563,5	76	9989561,5	70,41456
9989562,5	76,54421	9989563,5	66,61519
9989562	77,83166	9989565,5	63,21945
9989561	78,14766	9989567	60,30611
9989561	78,95204	9989568,5	57,72185
9989560	79,51652	9989569,5	55,81564
9989560,5	80,13522	9989571,5	54,09739
9989559,5	80,84345	9989572,5	52,33222
9989559	81,49313	9989573	50,88851
9989559	81,92119	9989574	49,66337

C2

Kelembaban Naik		Kelembaban Turun	
f (Hz)	**RH (%)**	**f (Hz)**	**RH (%)**
9990763	83,0617	9990757	79,22302
9990761	84,29861	9990759	74,71875
9990760	85,30378	9990761	70,94216
9990758,5	86,11884	9990762,5	67,52858
9990758	86,85645	9990764	64,61735
9990757	87,41643	9990765	62,03487
9990756,5	88,00334	9990766	59,70714
9990756	88,33162	9990766,5	58,17967
9990755,5	88,80652	9990767	5651201
9990754,5	89,18398	9990768	55,04475

C3

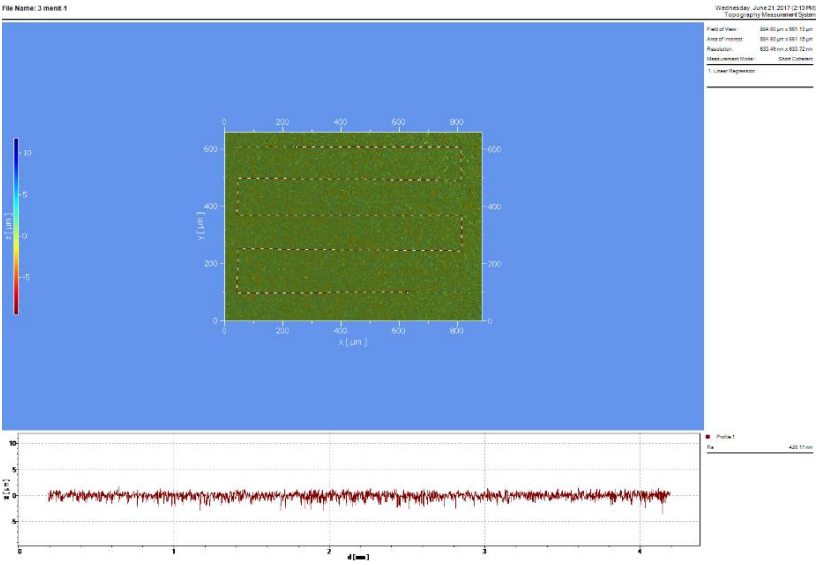
Kelembaban Naik		Kelembaban Turun	
f (Hz)	**RH (%)**	**f (Hz)**	**RH (%)**
9987884	77,11278	9987903	70,75182
9987881	78,55528	9987908	67,68581
9987877,5	79,86998	9987913	65,07495
9987874,5	80,96557	9987916	63,05533
9987872,5	81,86835	9987919	61,85485
9987870,5	82,68558	9987921	59,95805
9987868	83,41667	9987923	58,68467
9987866,5	84,09341	9987924	57,49749
9987864	84,71677	9987926	56,46153
9987863	85,22926	9987927	55,51106

C4

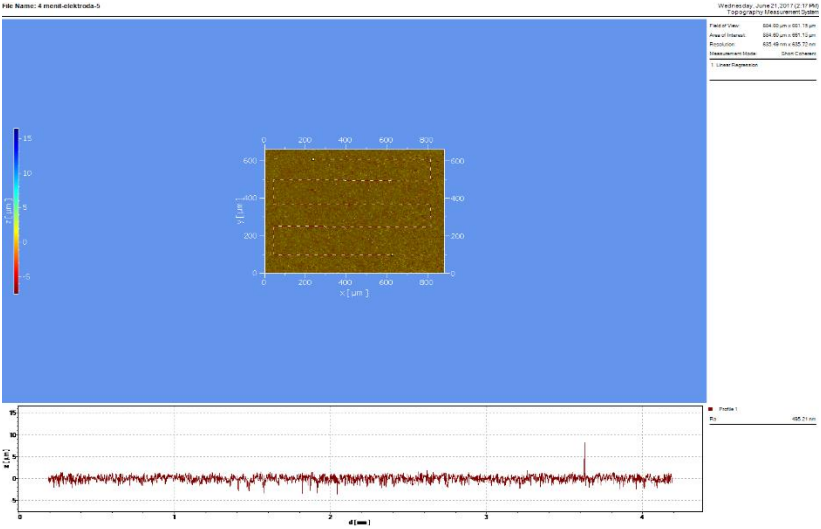
Kelembaban Naik		Kelembaban Turun	
f (Hz)	**RH (%)**	**f (Hz)**	**RH (%)**
9976975	75,26944	9976974	73,53399
9976975	76,55905	9976977	69,41917
9976974	77,99707	9976980	65,71846
9976973	79,09477	9976982	62,53361
9976971,5	80,32036	9976984	59,58796
9976970,5	81,40248	9976986	57,39993
9976970	82,36857	9976988	55,25642
9976969	83,22744	9976989	53,10093
9976968,5	83,95812	9976990	51,34935
9976966,5	84,52395	9976991	49,89828

Lampiran 3 Data hasil analisa TMS

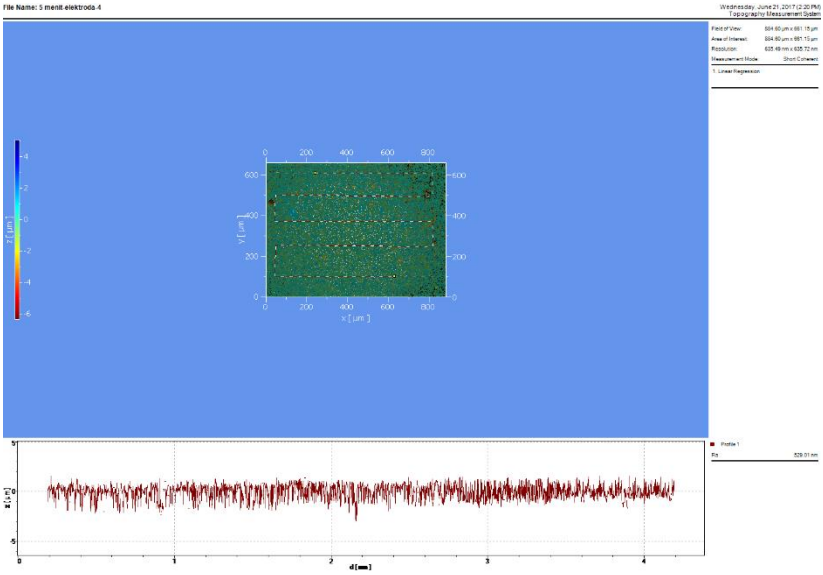
C1



C2



C3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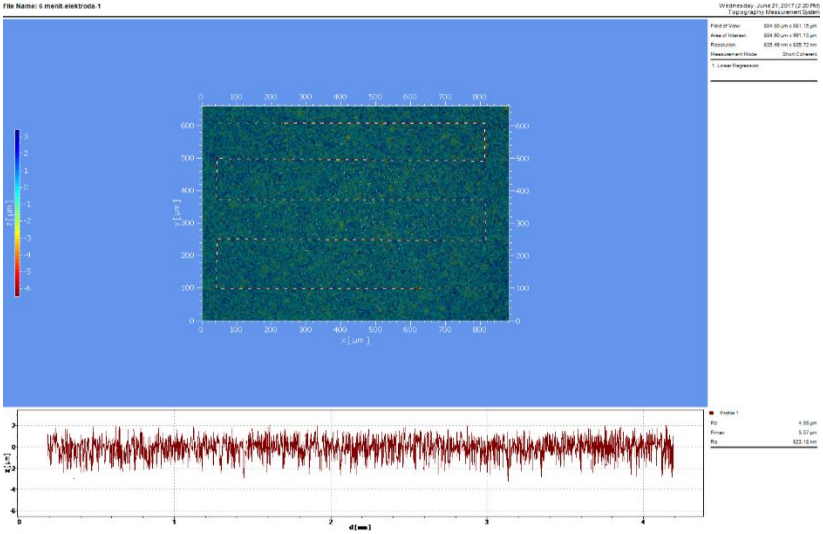
Wednesday, June 21, 2017 (2:20 PM)
Topography Measurement System
z [µm]
y [µm]
x [µm]
d [mm]

C4


File Name: 6 menit elektroda 1
Wednesday, June 21, 2017 (2:20 PM)
Topography Measurement System
z [µm]
y [µm]
x [µm]
d [mm]

Lampiran 4 Data hasil pengukuran Sudut Kontak

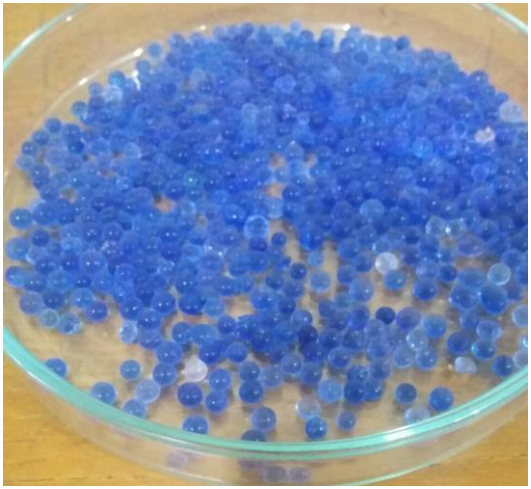
Sampel	Sudut Kontak Kiri	Sudut Kontak Kanan
C1	86,861	86,771
	84,610	83,825
	81,430	82,265
C2	85,289	86,544
	87,463	87,863
	86,693	86,683
C3	90,087	92,648
	90,328	88,612
	90,071	90,654
C4	92,965	91,461
	91,532	110,520
	102,726	105,650

Lampiran 5 Dokumentasi alat dan bahan

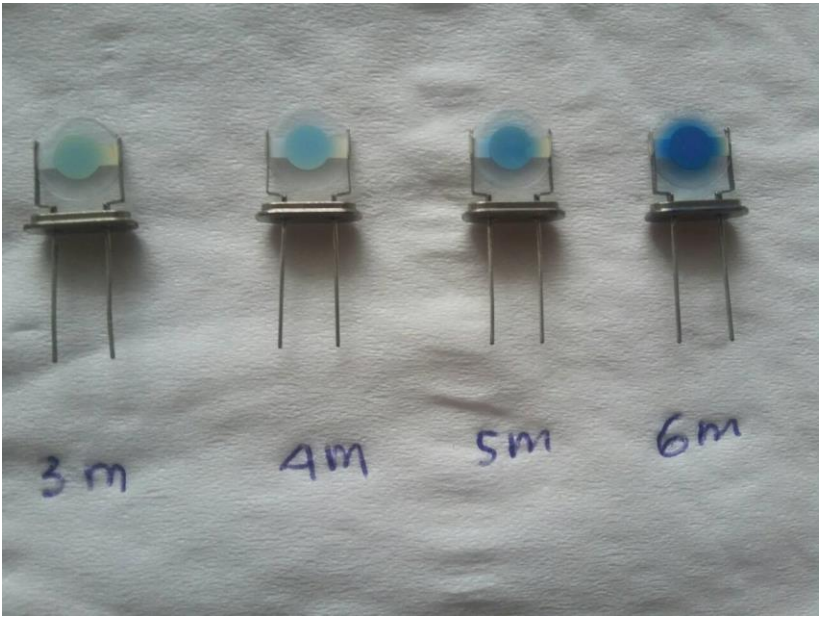
Serbuk *Copper Phthalocyanine* (CuPc)

Butiran Polistiren (Ps)

Silica Gel



QCM setelah dilapisi CuPc dengan berbagai variasi waktu



Mikropipet

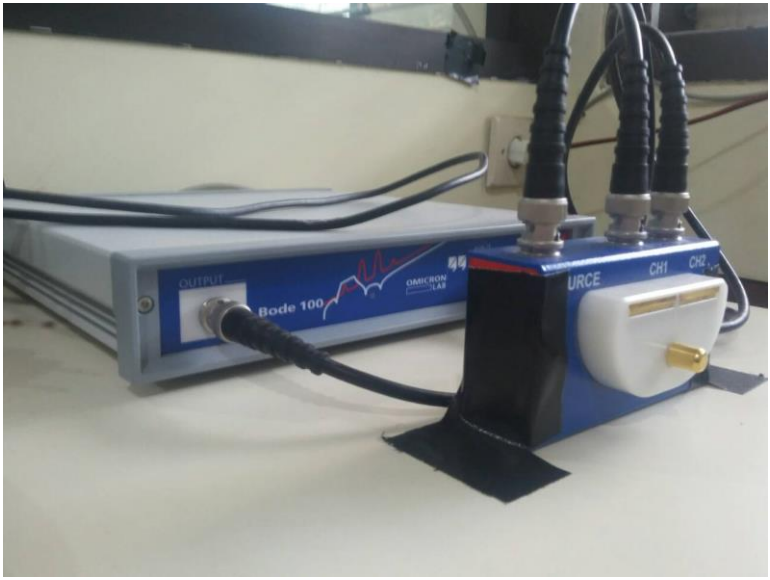
Oven

Ultrasonic Cleaner

Spin Coater

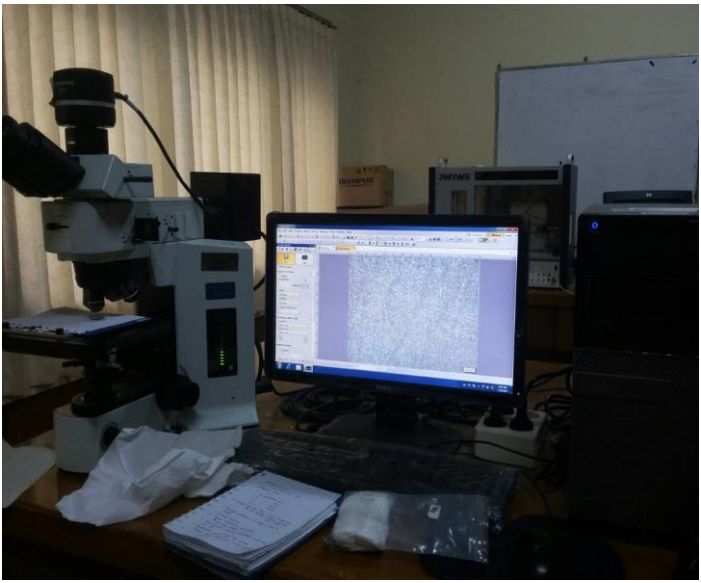
Vakum Evaporator

Bode Analyzer 100 (Alat ukur impedansi)



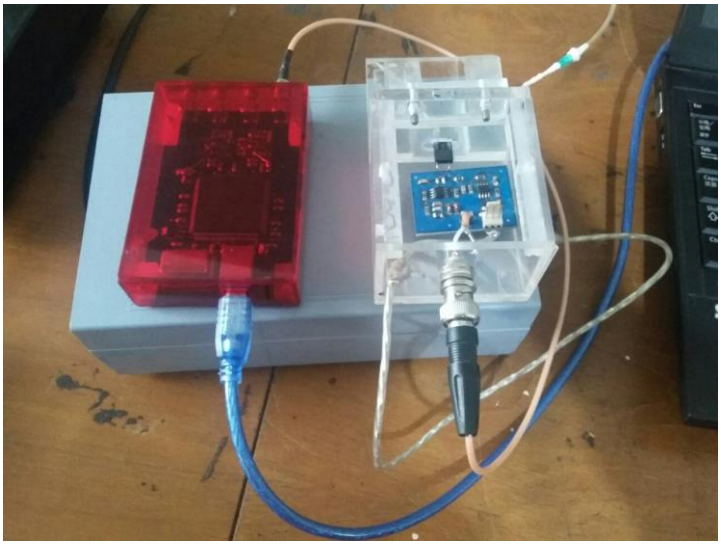
Perangkat ukur sudut kontak

Microscop Optic Olympus DP73



TMS-1200 Polytech

Frekuensi Counter



Perangkat Uji Kelembaban