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LAMPIRAN

Lampiran 1.

Tabel 1. Analisis data XRD untuk rata rata kristal sampel adsorben, dan *dislocation density*.

Sampel	2 Theta	FWHM	K	Lamda	Ukuran Kristal	Ukuran Rata-Rata	Dislocation Density
AC	64,4081	0,2027	0,9	0,15405	46,31	42,56	0,0004
	44,0501	0,1834	0,9	0,15405	46,72		0,0004
	25,3975	0,235	0,9	0,15405	34,65		0,0008
							0,0005
ZnO NPs	36,2572	0,5856	0,9	0,15405	14,27	15,47	0,0049
	56,5766	0,5867	0,9	0,15405	15,37		0,0042
	62,8225	0,555	0,9	0,15405	16,77		0,0035
							0,0042
Biokomposit Ac/ZnO Nps	36,1073	0,3813	0,9	0,15405	21,91	22,51	0,0020
	31,6203	0,3554	0,9	0,15405	23,23		0,0018
	34,2791	0,3711	0,9	0,15405	22,40		0,0019
							0,0019

Tabel 2. Hasil pengukuran konsentrasi Kromium heksavalen (Cr(VI)) menggunakan UV-Vis.



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LAPORAN HASIL UJI
Report of Analysis
No : 24012017 - 24012023 / LNU / BBLK-MKS / VI / 2024

Name Customer : **A. AKMAL**
Customer Name :
Alamat : Universitas Hasanuddin
Address :
Jenis Sampel : Larutan
Type of Sample (S) :
No. Sampel : 24012017 - 24012023
No. Sample :
Tanggal Penerimaan : 27 Mei 2024
Received Date : May 27, 2024
Tanggal Pengujian : 27 Mei 2024 s/d 29 Mei 2024
Test Date : May 27, 2024 to May 29, 2024

HASIL PEMERIKSAAN

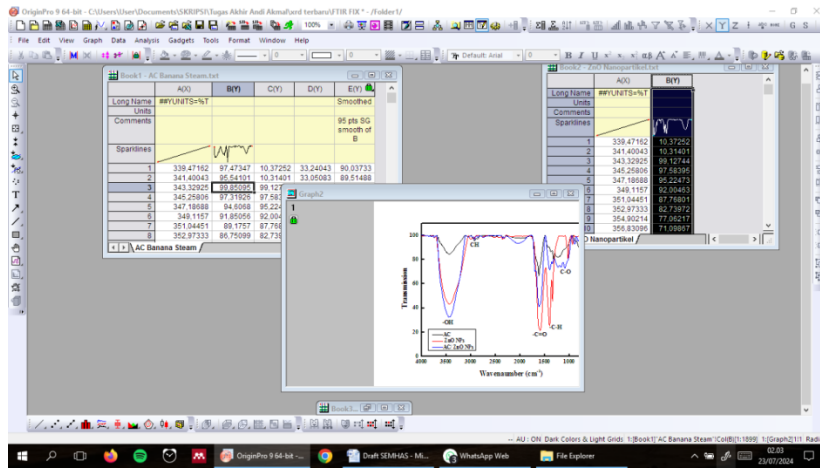
No	No. Lab	Kode Sampel	Parameter	Satuan	Hasil Uji	Spesifikasi Metode
1	24012017	Control	Chromium VI (Cr^{6+})	mg/L	20	Spektrofotometrik
2	24012018	1 gr karbon aktif	Chromium VI (Cr^{6+})	mg/L	< 0.01	
3	24012019	1.5 gr karbon aktif	Chromium VI (Cr^{6+})	mg/L	< 0.01	
4	24012020	2 gr karbon aktif	Chromium VI (Cr^{6+})	mg/L	< 0.01	
5	24012021	1 gr AC/ZnO	Chromium VI (Cr^{6+})	mg/L	1,88	
6	24012022	1.5 gr AC/ZnO	Chromium VI (Cr^{6+})	mg/L	1,005	
7	24012023	2 gr AC/ZnO	Chromium VI (Cr^{6+})	mg/L	< 0.01	

Notes:
1 Hasil uji tidak berlaku untuk sampel jenis lain
The analytical result are only valid for the tested sample
2 Laporan hasil uji ini bersifat internal
The report of analysis is internal
3 Laporan hasil uji ini tidak boleh digandakan kembali secara lengkap dan tidak tertulis dari Laboratorium Pengal Labkesmas Makassar 1
This report of analysis shall not be reproduced (copied) except for the completed one and with their written permission of the testing Laboratory Labkesmas Makassar 1

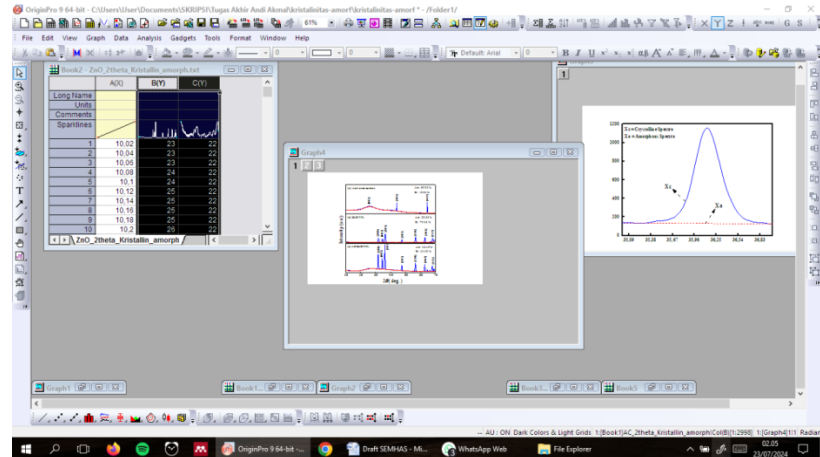
Makassar, 29 Mei 2024
Ketua Tim Program Layanan,

Gr. IRAWATY HAERUDDIN
NIP. 19630228191012001

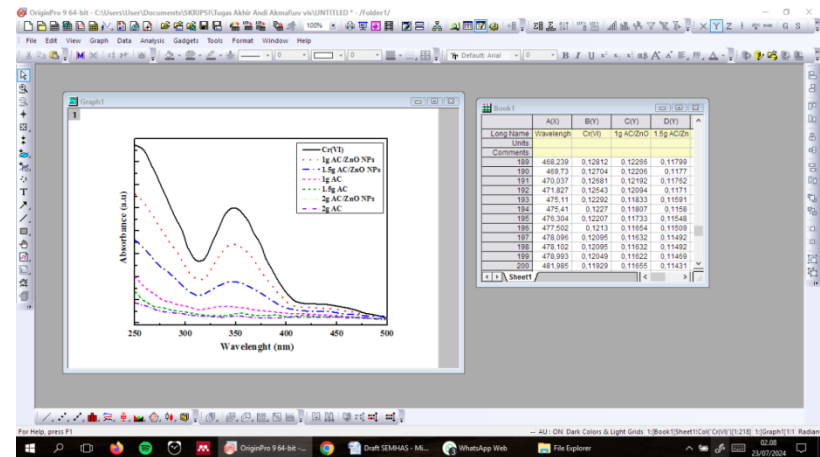
Lampiran 2. Analisis data



Gambar 1. Data FTIR



Gambar 2. Data XRD



Gambar 3. Data UV Vis