

LAMPIRAN

Lampiran 1. Hasil Output SPSS

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Ni VCO	6	,0020	,1000	,021000	,0388330
Cr VCO	6	-,0030	,0000	-,000500	,0012247
Fe VCO	6	1,1170	2,2050	1,773167	,5155116
Ni Saliva	6	,0009	,0035	,001717	,0009725
Cr Saliva	6	,0009	,0243	,008833	,0102422
Fe Saliva	6	,0078	,0732	,028100	,0295964
Ni NaF	6	,0003	,0035	,001350	,0014153
Cr NaF	6	,0008	,0125	,005533	,0048640
Fe NaF	6	,0147	,1632	,069500	,0692403
Ni Aqua	6	,0106	,0153	,013100	,0018547
Cr Aqua	6	,0238	,2177	,086967	,0966201
Fe Aqua	6	,0137	,1432	,077367	,0542580
Valid N (listwise)	6				

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Ni VCO	,435	6	,001	,568	6	,000
Cr VCO	,492	6	,000	,496	6	,000
Fe VCO	,335	6	,034	,757	6	,023
Ni Saliva	,255	6	,200*	,844	6	,142
Cr Saliva	,327	6	,044	,778	6	,037
Fe Saliva	,383	6	,006	,721	6	,010
Ni NaF	,369	6	,011	,750	6	,020
Cr NaF	,192	6	,200*	,898	6	,362
Fe NaF	,338	6	,030	,756	6	,023
Ni Aqua	,205	6	,200*	,923	6	,524
Cr Aqua	,403	6	,003	,661	6	,002
Fe Aqua	,211	6	,200*	,897	6	,357

a. Lilliefors Significance Correction

*. This is a lower bound of the true significance.

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Ni	5,634	3	20	,006
Cr	34,828	3	20	,000
Fe	24,479	3	20	,000

Kruskal-Wallis Test

Ranks

Kelompok Perlakuan		N	Mean Rank
Ni	VCO	6	15,67
	Saliva	6	8,25
	NaF	6	5,75
	Aqua	6	20,33
	Total	24	
Cr	VCO	6	3,50
	Saliva	6	13,00
	NaF	6	12,17
	Aqua	6	21,33
	Total	24	
Fe	VCO	6	21,50
	Saliva	6	5,50
	NaF	6	11,50
	Aqua	6	11,50
	Total	24	

Test Statistics^{a,b}

	Ni	Cr	Fe
Chi-Square	16,209	19,294	15,840
df	3	3	3
Asymp. Sig.	,001	,000	,001

a. Kruskal Wallis Test

b. Grouping Variable: Kelompok Perlakuan

Test Statistics^b

	Ni	Cr1	Fe1
Mann-Whitney U	3,000	,000	,000
Wilcoxon W	24,000	21,000	21,000
Z	-2,402	-2,989	-2,882
Asymp. Sig. (2-tailed)	,016	,003	,004
Exact Sig. [2*(1-tailed Sig.)]	,015 ^a	,002 ^a	,002 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok VCO-Saliva

Test Statistics^b

	Ni	Cr2	Fe2
Mann-Whitney U	3,000	,000	,000
Wilcoxon W	24,000	21,000	21,000
Z	-2,402	-2,989	-2,882
Asymp. Sig. (2-tailed)	,016	,003	,004
Exact Sig. [2*(1-tailed Sig.)]	,015 ^a	,002 ^a	,002 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok VCO-NaF

Test Statistics^b

	Ni	Cr3	Fe3
Mann-Whitney U	7,000	,000	,000
Wilcoxon W	28,000	21,000	21,000
Z	-1,761	-2,989	-2,882
Asymp. Sig. (2-tailed)	,078	,003	,004
Exact Sig. [2*(1-tailed Sig.)]	,093 ^a	,002 ^a	,002 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok VCO-Aqua

Test Statistics^b

	Ni	Cr4	Fe4
Mann-Whitney U	10,500	16,000	8,000
Wilcoxon W	31,500	37,000	29,000
Z	-1,203	-,320	-1,601
Asymp. Sig. (2-tailed)	,229	,749	,109
Exact Sig. [2*(1-tailed Sig.)]	,240 ^a	,818 ^a	,132 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok Saliva-NaF

Test Statistics^b

	Ni	Cr5	Fe5
Mann-Whitney U	,000	1,000	4,000
Wilcoxon W	21,000	22,000	25,000
Z	-2,882	-2,722	-2,242
Asymp. Sig. (2-tailed)	,004	,006	,025
Exact Sig. [2*(1-tailed Sig.)]	,002 ^a	,004 ^a	,026 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok Saliva-Aqua

Test Statistics^b

	Ni	Cr6	Fe6
Mann-Whitney U	,000	,000	16,000
Wilcoxon W	21,000	21,000	37,000
Z	-2,882	-2,882	-,320
Asymp. Sig. (2-tailed)	,004	,004	,749
Exact Sig. [2*(1-tailed Sig.)]	,002 ^a	,002 ^a	,818 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok NaF-Aqua

Lampiran 2. Ethical Clearance



KETERANGAN KELAIKAN ETIK PENELITIAN KESEHATAN ("ETHICAL CLEARANCE")

No. 057/B.1-KEPK/SA-FKG/V/2016

Komite Etik Penelitian Kesehatan Fakultas Kedokteran Gigi Universitas Islam Sultan Agung,
setelah melakukan pengkajian atas usulan penelitian:

EFEKTIVITAS *VIRGIN COCONUT OIL* (VCO) DALAM MENGHAMBAT PELEPASAN ION METAL (Ni,Cr,dan Fe) PADA BRAKET METAL

Peneliti utama : OVIRIA JULIA ERDIAN
Pembimbing : 1. DRG. GRAHITA ADITYA, SP. ORTH
2. DRG. ROSA PRATIWI
Tempat penelitian : 1. LAB. KIMIA FAKULTAS MIPA UNIVERSITAS NEGERI
SEMARANG
2. LAB. MIKROBIOLOGI FAKULTAS KEDOKTERAN
UNIVERSITAS DIPONEGORO

Waktu penelitian : 2 BULAN

Maka dengan ini menyatakan bahwa penelitian tersebut telah memenuhi syarat atau LAIK
ETIK. Oleh karena itu Komite Etik Penelitian Kesehatan merekomendasikan agar penelitian
ini dapat dilaksanakan dengan mempertimbangkan prinsip-prinsip yang dinyatakan dalam
Deklarasi Helsinki dan panduan yang tertuang dalam Pedoman Nasional Etik Penelitian
Kesehatan (PNEPK) Departemen Kesehatan RI Tahun 2004.

Mengetahui,
Wakil Dekan I


Drg. Andina Rizkia Putri Kusuma, Sp.KG
NIK. 211009009

Semarang, 1 September 2016
Ketua Komisi Etik Penelitian Kesehatan
Fakultas Kedokteran Gigi UNISSULA


Drg. Sandy Christion, Sp.KG
NIK. 211010012

Lampiran 3. Surat Ijin Penelitian



YAYASAN BADAN WAKAF SULTAN AGUNG
UNIVERSITAS ISLAM SULTAN AGUNG (UNISSULA)
JL. Raya Kaligawe Km. 4 Semarang 50112 Telp. (024) 6583584 (Il. Sa) Fax. (024) 6582455
email : informasi@unissula.ac.id web : www.unissula.ac.id



FAKULTAS KEDOKTERAN GIGI

Bismillah Membangun Generasi Khaira Ummah

Nomor : 798/D.1/SA-FKG/XI/2016 Semarang, 1 November 2016
Hal : *Ijin Penelitian*

Kepada : Yth. Kepala Lab Kimia
FMIPA UNNES
Di –
Tempat

Assalamu 'alaikum wr wb

Dalam rangka Ijin Penelitian untuk Karya Tulis Mahasiswa Fakultas Kedokteran Gigi Universitas Islam Sultan Agung (UNISSULA) Semarang:

Nama : Oviria Julia Erdian
NIM : 31101200309
Alamat : Perum Griya Bhakti Praja G. 11 03 / 07
Mangunjiwan Demak
Judul Penelitian : Efektivitas virgin coconut oil (VCO) dalam menghambat pelepasan ion metal (Ni,Cr, dan Fe) pada braket metal
Waktu : 2 Bulan

Bersama ini kami mohon kesediaan untuk dapat memberikan Ijin Penelitian di Lab. Kimia FMIPA Universitas Negeri Semarang (UNNES).

Demikian permohonan kami atas perhatian dan kerjasamanya kami ucapkan terima kasih.

Wassalamu 'alaikum wr wb

An. Dekan
Wakil Dekan I

drg. Andina Rizkia Putri K, Sp.KG
NIK.211009009

Lampiran 4. Surat Penelitian



Nomor : 678/D.1/SA-FKG/IX/2016 Semarang, 13 September 2016
Hal : *Ijin Penelitian*

Kepada : Yth. Dekan Fakultas Kedokteran
Universitas Diponegoro (UNDIP)
Di -
Tempat

Assalamu 'alaikum wr wb

Dalam rangka Ijin Penelitian untuk Karya Tulis Mahasiswa Fakultas Kedokteran Gigi Universitas Islam Sultan Agung (UNISSULA) Semarang:

Nama : Oviria Julia Erdian
NIM : 31101200309
Alamat : Perum Griya Bhakti Praja G.11 03 / 07
Mangunjiwan Demak
Judul Penelitian : Efektivitas virgin coconut oil (VCO) dalam menghambat pelepasan ion metal (Ni,Cr, dan Fe) pada braket metal
Waktu : 1 Bulan

Bersama ini kami mohon kesediaan untuk dapat memberikan Ijin Penelitian di Laboratorium Mikrobiologi Fakultas Kedokteran Universitas Islam Sultan Agung Semarang.

Demikian permohonan kami atas perhatian dan kerjasamanya kami ucapkan terima kasih.

Wassalamu 'alaikum wr wb

Dekan

drg. Suryono, SH, MM, Ph.D
NIK.231014025

Tembusan

➤ Lab. Mikrobiologi FK Unissula

Lampiran 5. Surat Keterangan



BAGIAN MIKROBIOLOGI
FAKULTAS KEDOKTERAN UNIVERSITAS DIPONEGORO / RSUP Dr. KARIADI
 (Dept. of Microbiology, Faculty of Medicine, Diponegoro University / Dr. Kariadi Hospital)
 Jl. Dr. Sutomo No 16 - 18 Semarang 50231 Indonesia Telp./Fax.: 024-8452931.

SURAT KETERANGAN

Nomor : 37/Mikdok/Q/VI/2016

Yang bertandatangan di bawah ini, menerangkan bahwa mahasiswa dengan :

Nama : Oviria Julia Erdian
 NIM : 31101200309
 Instansi : Fakultas Kedokteran Gigi Unisulfa

Telah melakukan Penelitian di Laboratorium Mikrobiologi FK Undip dengan Judul **Pengaruh VCO (Virgin Coconat Oil) Terhadap Pelepasan Ion Metal Ni, Cr dan Fe Pada Braket Metal** pada tanggal 07 Oktober 2016 s/d 14 Oktober 2016 untuk digunakan dalam penelitian Skripsi.

Demikian surat keterangan ini dibuat untuk digunakan sebagaimana mestinya.

Semarang, 8 Desember 2016
 Ketua Bagian Mikrobiologi Klinik
 FK. Undip




Prof. Dr. dr. Hendro Wahyuni, MSc TropMed, DMM, Sp.MK(K)
 NIP 1948050719290113001

Lampiran 6. Surat Keterangan

No.	Nama Mahasiswa	NIM	Judul Karya Tulis Ilmiah
1.	Oviria Julia Erdian	31101300309	Efektifitas Larutan Virgin Coconut Oil (VCO) Sebagai Larutan terhadap Pelepasan Ion Metal (Ni, Cr, dan Fe) pada Braket Metal

Telah melakukan penelitian dan pengujian kadar logam dengan menggunakan instrumen ICP-OES (*Inductively Couple Plasma Optical Emission Spectrometry*) di Laboratorium Kimia, Jurusan Kimia, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Semarang pada bulan November s.d Desember 2016 untuk digunakan dalam penyusunan Karya Tulis Ilmiah.

Demikian surat keterangan ini dibuat untuk digunakan sebagaimana mestinya.

Semarang, 28 Desember 2016
 Direktur Program Uji

 Dr. Sri Suningsati Samarti, M.Si
 NIP. 199711121983032002

Catatan: 1. Hasil pengujian ini hanya berlaku untuk contoh yang diuji
Note: These test result are only valid for the tested samples
 2. Surat Keterangan ini tidak boleh diperbanyak/digandakan tanpa ijin dari Direktur Program Uji
The certificate shall not be reproduced/copied without permission of the UJI program Director

Lampiran 7. Data Hasil Penelitian

SampleID	Analyte	Mean	
VCO 1			
	Ag 328.068	-0.007	mg/L
	Al 396.153	0.001	mg/L
	As 193.696	-0.044	mg/L
	Ba 493.408	0.009	mg/L
	Be 313.107	0.000	mg/L
	Bi 223.061	0.000	mg/L
	Cd 226.502	0.002	mg/L
	Co 228.616	0.003	mg/L
	Cr 205.560	0.000	mg/L
	Cs 455.531	0.000	mg/L
	Cu 324.752	0.000	mg/L
	Ga 417.206	0.000	mg/L
	In 325.609	0.000	mg/L
	K 766.490	11.95	mg/L
	Li 670.784	0.001	mg/L
	Mn 257.610	0.015	mg/L
	Ni 231.604	0.002	mg/L
	Pb 220.353	0.000	mg/L
	Rb 780.023	0.000	mg/L
	Se 196.026	0.005	mg/L
	Sr 421.552	0.001	mg/L
	Tl 190.801	-0.029	mg/L
	U 385.958	0.000	mg/L
	V 292.402	-0.003	mg/L
	Zn 213.857	3.987	mg/L
	Ca 317.933	12.40	mg/L
	Fe 238.204	1.117	mg/L
	Mg 280.271	6.113	mg/L
	Na 330.237	3.420	mg/L
	W 207.912	0.040	mg/L
	Mo 202.031	0.053	mg/L
	Hg	-0.082	mg/L

SampleID	Analyte	Mean	
VCO 2			
	Ag 328.068	-0.005	mg/L
	Al 396.153	0.001	mg/L
	As 193.696	-0.040	mg/L
	Ba 493.408	0.008	mg/L
	Be 313.107	0.000	mg/L
	Bi 223.061	0.000	mg/L
	Cd 226.502	0.003	mg/L
	Co 228.616	0.003	mg/L
	Cr 205.560	0.000	mg/L
	Cs 455.531	0.000	mg/L
	Cu 324.752	0.000	mg/L
	Ga 417.206	0.000	mg/L
	In 325.609	0.000	mg/L
	K 766.490	11.91	mg/L
	Li 670.784	0.001	mg/L
	Mn 257.610	0.012	mg/L
	Ni 231.604	0.003	mg/L
	Pb 220.353	0.000	mg/L
	Rb 780.023	0.000	mg/L
	Se 196.026	0.004	mg/L
	Sr 421.552	0.001	mg/L
	Tl 190.801	-0.025	mg/L
	U 385.958	0.000	mg/L
	V 292.402	-0.003	mg/L
	Zn 213.857	3.980	mg/L
	Ca 317.933	12.40	mg/L
	Fe 238.204	1.119	mg/L
	Mg 280.271	6.111	mg/L
	Na 330.237	3.420	mg/L
	W 207.912	0.039	mg/L
	Mo 202.031	0.053	mg/L
	Hg	-0.082	mg/L

SampleID	Analyte	Mean	
VCO 3			
	Ag 328.068	0.000	mg/L
	Al 396.153	0.320	mg/L
	As 193.696	0.000	mg/L
	Ba 493.408	0.119	mg/L
	Be 313.107	0.000	mg/L
	Bi 223.061	-0.177	mg/L
	Cd 226.502	0.000	mg/L
	Co 228.616	-0.009	mg/L
	Cr 205.560	0.000	mg/L
	Cs 455.531	-0.004	mg/L
	Cu 324.752	-0.024	mg/L
	Ga 417.206	0.000	mg/L
	In 325.609	-0.190	mg/L
	K 766.490	19.48	mg/L
	Li 670.784	-0.001	mg/L
	Mn 257.610	1.015	mg/L
	Ni 231.604	0.011	mg/L
	Pb 220.353	-0.050	mg/L
	Rb 780.023	-0.010	mg/L
	Se 196.026	-0.075	mg/L
	Sr 421.552	0.000	mg/L
	Tl 190.801	-0.025	mg/L
	U 385.958	0.000	mg/L
	V 292.402	0.003	mg/L
	Zn 213.857	4.326	mg/L
	Ca 317.933	8.40	mg/L
	Fe 238.204	2.001	mg/L
	Mg 280.271	6.103	mg/L
	Na 330.237	1.639	mg/L
	W 207.912	0.000	mg/L
	Mo 202.031	0.002	mg/L
	Hg	-2.142	mg/L

SampleID	Analyte	Mean	
VCO 4	Ag 328.068	0.000	mg/L
	Al 396.153	0.320	mg/L
	As 193.696	0.000	mg/L
	Ba 493.408	0.119	mg/L
	Be 313.107	0.000	mg/L
	Bi 223.061	-0.178	mg/L
	Cd 226.502	0.000	mg/L
	Co 228.616	-0.009	mg/L
	Cr 205.560	0.000	mg/L
	Cs 455.531	-0.004	mg/L
	Cu 324.752	-0.025	mg/L
	Ga 417.206	0.000	mg/L
	In 325.609	-0.187	mg/L
	K 766.490	19.47	mg/L
	Li 670.784	-0.001	mg/L
	Mn 257.610	1.015	mg/L
	Ni 231.604	0.010	mg/L
	Pb 220.353	-0.051	mg/L
	Rb 780.023	-0.010	mg/L
	Se 196.026	-0.071	mg/L
	Sr 421.552	0.000	mg/L
	Tl 190.801	-0.024	mg/L
	U 385.958	0.000	mg/L
	V 292.402	0.003	mg/L
	Zn 213.857	4.327	mg/L
	Ca 317.933	8.41	mg/L
	Fe 238.204	1.998	mg/L
	Mg 280.271	6.099	mg/L
	Na 330.237	1.635	mg/L
	W 207.912	0.000	mg/L
	Mo 202.031	0.002	mg/L
	Hg	-2.140	mg/L

SampleID	Analyte	Mean	
VCO 5			
	Ag 328.068	0.001	mg/L
	Al 396.153	0.102	mg/L
	As 193.696	-0.064	mg/L
	Ba 493.408	0.009	mg/L
	Be 313.107	0.004	mg/L
	Bi 223.061	-0.098	mg/L
	Cd 226.502	0.001	mg/L
	Co 228.616	0.004	mg/L
	Cr 205.560	-0.003	mg/L
	Cs 455.531	0.000	mg/L
	Cu 324.752	-0.070	mg/L
	Ga 417.206	0.000	mg/L
	In 325.609	-0.100	mg/L
	K 766.490	17.41	mg/L
	Li 670.784	0.001	mg/L
	Mn 257.610	0.485	mg/L
	Ni 231.604	0.004	mg/L
	Pb 220.353	0.000	mg/L
	Rb 780.023	0.000	mg/L
	Se 196.026	0.002	mg/L
	Sr 421.552	0.001	mg/L
	Tl 190.801	-0.005	mg/L
	U 385.958	0.000	mg/L
	V 292.402	0.003	mg/L
	Zn 213.857	5.342	mg/L
	Ca 317.933	17.40	mg/L
	Fe 238.204	2.205	mg/L
	Mg 280.271	6.043	mg/L
	Na 330.237	1.937	mg/L
	W 207.912	0.020	mg/L
	Mo 202.031	0.012	mg/L
	Hg	0.000	mg/L

SampleID	Analyte	Mean	
VCO 6	Ag 328.068	0.001	mg/L
	Al 396.153	0.100	mg/L
	As 193.696	-0.062	mg/L
	Ba 493.408	0.008	mg/L
	Be 313.107	0.002	mg/L
	Bi 223.061	-0.096	mg/L
	Cd 226.502	0.001	mg/L
	Co 228.616	0.002	mg/L
	Cr 205.560	0.000	mg/L
	Cs 455.531	0.000	mg/L
	Cu 324.752	-0.069	mg/L
	Ga 417.206	0.000	mg/L
	In 325.609	-0.100	mg/L
	K 766.490	17.40	mg/L
	Li 670.784	0.001	mg/L
	Mn 257.610	0.481	mg/L
	Ni 231.604	0.006	mg/L
	Pb 220.353	0.000	mg/L
	Rb 780.023	0.000	mg/L
	Se 196.026	0.002	mg/L
	Sr 421.552	0.001	mg/L
	Tl 190.801	-0.004	mg/L
	U 385.958	0.000	mg/L
	V 292.402	0.002	mg/L
	Zn 213.857	5.340	mg/L
	Ca 317.933	17.38	mg/L
	Fe 238.204	2.199	mg/L
	Mg 280.271	6.030	mg/L
	Na 330.237	1.929	mg/L
	W 207.912	0.019	mg/L
	Mo 202.031	0.012	mg/L
	Hg	0.000	mg/L

SampelID	Analyte	Mean	
Saliva 1			
	Ag 328.068	0.0061	mg/L
	Al 396.153	0.0080	mg/L
	As 193.696	0.0092	mg/L
	Ba 493.408	0.0012	mg/L
	Be 313.107	0.0000	mg/L
	Bi 223.061	0.0040	mg/L
	Ca 315.887	0.0933	mg/L
	Cd 226.507	0.0003	mg/L
	Co 228.616	0.0001	mg/L
	Cr 205.560	0.0022	mg/L
	Cs 455.531	0.0000	mg/L
	Cu 324.752	0.0002	mg/L
	Fe 238.204	0.0086	mg/L
	Ga 417.206	0.0011	mg/L
	Hg 302.150	0.0080	mg/L
	In 325.609	0.0021	mg/L
	K 766.490	0.613	mg/L
	Li 670.784	0.0008	mg/L
	Mg 280.271	0.0489	mg/L
	Mn 257.610	0.0002	mg/L
	Na 330.237	3.99	mg/L
	Ni 231.604	0.0010	mg/L
	Pb 220.353	0.0017	mg/L
	Rb 780.023	0.0399	mg/L
	Se 196.026	0.0028	mg/L
	Sr 421.552	0.0002	mg/L
	Tl 190.801	0.0034	mg/L
	U 385.958	0.0079	mg/L
	V 292.402	0.0004	mg/L
	Zn 213.857	0.0002	mg/L
	Mo 202.031	0.00013	mg/L
	W 207.912	0.0045	mg/L

SampleID	Analyte	Mean	
Saliva 2			
	Ag 328.068	0.0065	mg/L
	Al 396.153	0.0070	mg/L
	As 193.696	0.0084	mg/L
	Ba 493.408	0.0018	mg/L
	Be 313.107	0.0002	mg/L
	Bi 223.061	0.0035	mg/L
	Ca 315.887	0.1125	mg/L
	Cd 226.507	0.0001	mg/L
	Co 228.616	0.0003	mg/L
	Cr 205.560	0.0046	mg/L
	Cs 455.531	0.0001	mg/L
	Cu 324.752	0.0000	mg/L
	Fe 238.204	0.0112	mg/L
	Ga 417.206	0.0009	mg/L
	Hg 302.150	0.0168	mg/L
	In 325.609	0.0017	mg/L
	K 766.490	0.524	mg/L
	Li 670.784	0.0006	mg/L
	Mg 280.271	0.0356	mg/L
	Mn 257.610	0.0003	mg/L
	Na 330.237	3.94	mg/L
	Ni 231.604	0.0013	mg/L
	Pb 220.353	0.0019	mg/L
	Rb 780.023	0.0435	mg/L
	Se 196.026	0.0032	mg/L
	Sr 421.552	0.0004	mg/L
	Tl 190.801	0.0037	mg/L
	U 385.958	0.0075	mg/L
	V 292.402	0.0002	mg/L
	Zn 213.857	0.0004	mg/L
	Mo 202.031	0.00017	mg/L
	W 207.912	0.00453	mg/L

SampleID	Analyte	Mean	
Saliva3			
	Ag 328.068	0.0030	mg/L
	Al 396.153	0.0580	mg/L
	As 193.696	0.0037	mg/L
	Ba 493.408	0.0007	mg/L
	Be 313.107	0.0003	mg/L
	Bi 223.061	0.0027	mg/L
	Ca 315.887	0.0202	mg/L
	Cd 226.507	0.0004	mg/L
	Co 228.616	0.0007	mg/L
	Cr 205.560	0.0009	mg/L
	Cs 455.531	0.0000	mg/L
	Cu 324.752	0.0003	mg/L
	Fe 238.204	0.0078	mg/L
	Ga 417.206	0.0015	mg/L
	Hg 302.150	0.00781	mg/L
	In 325.609	0.0015	mg/L
	K 766.490	0.835	mg/L
	Li 670.784	0.0021	mg/L
	Mg 280.271	0.2159	mg/L
	Mn 257.610	0.0003	mg/L
	Na 330.237	0.99	mg/L
	Ni 231.604	0.0009	mg/L
	Pb 220.353	0.0036	mg/L
	Rb 780.023	0.0303	mg/L
	Se 196.026	0.0022	mg/L
	Sr 421.552	0.0002	mg/L
	Tl 190.801	0.0091	mg/L
	U 385.958	0.0092	mg/L
	V 292.402	0.0005	mg/L
	Zn 213.857	0.0002	mg/L
	Mo 202.031	0.00004	mg/L
	W 207.912	0.0061	mg/L

SampleID	Analyte	Mean	
Saliva4			
	Ag 328.068	0.0035	mg/L
	Al 396.153	0.0340	mg/L
	As 193.696	0.0027	mg/L
	Ba 493.408	0.0009	mg/L
	Be 313.107	0.0005	mg/L
	Bi 223.061	0.0019	mg/L
	Ca 315.887	0.0197	mg/L
	Cd 226.507	0.0002	mg/L
	Co 228.616	0.0005	mg/L
	Cr 205.560	0.0017	mg/L
	Cs 455.531	0.0002	mg/L
	Cu 324.752	0.0005	mg/L
	Fe 238.204	0.0094	mg/L
	Ga 417.206	0.0013	mg/L
	Hg 302.150	0.0643	mg/L
	In 325.609	0.0011	mg/L
	K 766.490	0.675	mg/L
	Li 670.784	0.0028	mg/L
	Mg 280.271	0.1363	mg/L
	Mn 257.610	0.0005	mg/L
	Na 330.237	1.12	mg/L
	Ni 231.604	0.0015	mg/L
	Pb 220.353	0.0042	mg/L
	Rb 780.023	0.0322	mg/L
	Se 196.026	0.0026	mg/L
	Sr 421.552	0.0005	mg/L
	Tl 190.801	0.0102	mg/L
	U 385.958	0.1012	mg/L
	V 292.402	0.0003	mg/L
	Zn 213.857	0.0006	mg/L
	Mo 202.031	0.0006	mg/L
	W 207.912	0.0065	mg/L

SampleID	Analyte	Mean	
Saliva 5			
	Ag 328.068	0.0044	mg/L
	Al 396.153	0.0028	mg/L
	As 193.696	0.0061	mg/L
	Ba 493.408	0.0006	mg/L
	Be 313.107	0.0001	mg/L
	Bi 223.061	0.0039	mg/L
	Ca 315.887	0.0540	mg/L
	Cd 226.507	0.0001	mg/L
	Co 228.616	0.0006	mg/L
	Cr 205.560	0.0193	mg/L
	Cs 455.531	0.0000	mg/L
	Cu 324.752	0.0112	mg/L
	Fe 238.204	0.0584	mg/L
	Ga 417.206	0.0034	mg/L
	Hg 302.150	0.0540	mg/L
	In 325.609	0.0043	mg/L
	K 766.490	0.231	mg/L
	Li 670.784	0.0120	mg/L
	Mg 280.271	0.0291	mg/L
	Mn 257.610	0.0020	mg/L
	Na 330.237	2.98	mg/L
	Ni 231.604	0.0021	mg/L
	Pb 220.353	0.0084	mg/L
	Rb 780.023	0.0182	mg/L
	Se 196.026	0.0049	mg/L
	Sr 421.552	0.0002	mg/L
	Tl 190.801	0.0087	mg/L
	U 385.958	0.0053	mg/L
	V 292.402	0.0002	mg/L
	Zn 213.857	0.0156	mg/L
	Mo 202.031	0.0058	mg/L
	W 207.912	0.0142	mg/L

SampleID	Analyte	Mean	
Saliva6			
	Ag 328.068	0.0049	mg/L
	Al 396.153	0.0056	mg/L
	As 193.696	0.0073	mg/L
	Ba 493.408	0.0003	mg/L
	Be 313.107	0.0000	mg/L
	Bi 223.061	0.0033	mg/L
	Ca 315.887	0.0642	mg/L
	Cd 226.507	0.0000	mg/L
	Co 228.616	0.0004	mg/L
	Cr 205.560	0.0243	mg/L
	Cs 455.531	0.0001	mg/L
	Cu 324.752	0.0088	mg/L
	Fe 238.204	0.0732	mg/L
	Ga 417.206	0.0042	mg/L
	Hg 302.150	0.0620	mg/L
	In 325.609	0.0037	mg/L
	K 766.490	0.453	mg/L
	Li 670.784	0.0212	mg/L
	Mg 280.271	0.0537	mg/L
	Mn 257.610	0.0035	mg/L
	Na 330.237	2.57	mg/L
	Ni 231.604	0.0035	mg/L
	Pb 220.353	0.0076	mg/L
	Rb 780.023	0.0156	mg/L
	Se 196.026	0.0053	mg/L
	Sr 421.552	0.0004	mg/L
	Tl 190.801	0.0093	mg/L
	U 385.958	0.0085	mg/L
	V 292.402	0.0001	mg/L
	Zn 213.857	0.0180	mg/L
	Mo 202.031	0.0053	mg/L
	W 207.912	0.0182	mg/L

SampleID	Analyte	Mean	
Naf 1			
	Ag 328.068	0.0081	mg/L
	Al 396.153	0.030	mg/L
	As 193.696	0.0028	mg/L
	Ba 493.408	0.0278	mg/L
	Be 313.107	0.0002	mg/L
	Bi 223.061	0.0027	mg/L
	Cd 226.502	0.0003	mg/L
	Co 228.616	0.0005	mg/L
	Cr 205.560	0.0101	mg/L
	Cs 455.531	0.0000	mg/L
	Cu 324.752	0.0015	mg/L
	Ga 417.206	0.0010	mg/L
	In 325.609	0.0011	mg/L
	K 766.490	0.0304	mg/L
	Li 670.784	0.0002	mg/L
	Mn 257.610	0.0025	mg/L
	Ni 231.604	0.0028	mg/L
	Pb 220.353	0.0020	mg/L
	Rb 780.023	0.0330	mg/L
	Se 196.026	0.0095	mg/L
	Sr 421.552	0.0016	mg/L
	Tl 190.801	0.0013	mg/L
	U 385.958	0.0119	mg/L
	V 292.402	0.0004	mg/L
	Zn 213.857	0.0014	mg/L
	Ca 317.933	0.0326	mg/L
	Fe 238.204	0.0387	mg/L
	Mg 280.271	0.1225	mg/L
	Na 330.237	0.99	mg/L
	W 207.912	0.0260	mg/L
	Mo 202.031	0.0020	mg/L
	Hg	0.0798	mg/L

SampleID	Analyte	Mean	
NaF2			
	Ag 328.068	0.0078	mg/L
	Al 396.153	0.0029	mg/L
	As 193.696	0.0025	mg/L
	Ba 493.408	0.0269	mg/L
	Be 313.107	0.0003	mg/L
	Bi 223.061	0.0031	mg/L
	Cd 226.502	0.0004	mg/L
	Co 228.616	0.0007	mg/L
	Cr 205.560	0.0125	mg/L
	Cs 455.531	0.0000	mg/L
	Cu 324.752	0.0018	mg/L
	Ga 417.206	0.0012	mg/L
	In 325.609	0.0016	mg/L
	K 766.490	0.0307	mg/L
	Li 670.784	0.0004	mg/L
	Mn 257.610	0.0027	mg/L
	Ni 231.604	0.0035	mg/L
	Pb 220.353	0.0023	mg/L
	Rb 780.023	0.0334	mg/L
	Se 196.026	0.0093	mg/L
	Sr 421.552	0.0019	mg/L
	Tl 190.801	0.0017	mg/L
	U 385.958	0.0118	mg/L
	V 292.402	0.0006	mg/L
	Zn 213.857	0.0017	mg/L
	Ca 317.933	0.0328	mg/L
	Fe 238.204	0.0325	mg/L
	Mg 280.271	0.1226	mg/L
	Na 330.237	0.101	mg/L
	W 207.912	0.0258	mg/L
	Mo 202.031	0.0022	mg/L
	Hg	0.0788	mg/L

SampleID	Analyte	Mean	
Naf 3			
	Ag 328.068	0.0043	mg/L
	Al 396.153	0.126	mg/L
	As 193.696	0.0064	mg/L
	Ba 493.408	0.0393	mg/L
	Be 313.107	0.0000	mg/L
	Bi 223.061	0.0042	mg/L
	Cd 226.502	0.0003	mg/L
	Co 228.616	0.0005	mg/L
	Cr 205.560	0,0010	mg/L
	Cs 455.531	0.0000	mg/L
	Cu 324.752	0.0002	mg/L
	Ga 417.206	0.0012	mg/L
	In 325.609	0.0021	mg/L
	K 766.490	0.0215	mg/L
	Li 670.784	0.0020	mg/L
	Mn 257.610	0.0004	mg/L
	Ni 231.604	0.0006	mg/L
	Pb 220.353	0.0034	mg/L
	Rb 780.023	0.0188	mg/L
	Se 196.026	0.0029	mg/L
	Sr 421.552	0.0003	mg/L
	Tl 190.801	0.0035	mg/L
	U 385.958	0.0054	mg/L
	V 292.402	0.0002	mg/L
	Zn 213.857	0.0003	mg/L
	Ca 317.933	0.0201	mg/L
	Fe 238.204	0,0152	mg/L
	Mg 280.271	0.0052	mg/L
	Na 330.237	0.63	mg/L
	W 207.912	0.0077	mg/L
	Mo 202.031	0.0012	mg/L
	Hg	0.0081	mg/L

SampleID	Analyte	Mean	
Naf 4.....			
	Ag 328.068	0.0042	mg/L
	Al 396.153	0.131	mg/L
	As 193.696	0.0066	mg/L
	Ba 493.408	0.0389	mg/L
	Be 313.107	0.0000	mg/L
	Bi 223.061	0.0044	mg/L
	Cd 226.502	0.0005	mg/L
	Co 228.616	0.0007	mg/L
	Cr 205.560	0.0008	mg/L
	Cs 455.531	0.0000	mg/L
	Cu 324.752	0.0003	mg/L
	Ga 417.206	0.0014	mg/L
	In 325.609	0.0024	mg/L
	K 766.490	0.0211	mg/L
	Li 670.784	0.0023	mg/L
	Mn 257.610	0.0006	mg/L
	Ni 231.604	0.0004	mg/L
	Pb 220.353	0.0035	mg/L
	Rb 780.023	0.0191	mg/L
	Se 196.026	0.0032	mg/L
	Sr 421.552	0.0018	mg/L
	Tl 190.801	0.0037	mg/L
	U 385.958	0.0059	mg/L
	V 292.402	0.0002	mg/L
	Zn 213.857	0.0005	mg/L
	Ca 317.933	0.0204	mg/L
	Fe 238.204	0.0147	mg/L
	Mg 280.271	0.0059	mg/L
	Na 330.237	0.72	mg/L
	W 207.912	0.0077	mg/L
	Mo 202.031	0.0014	mg/L
	Hg	0.0085	mg/L

SampleID	Analyte	Mean	
Naf 5			
	Ag 328.068	0.0019	mg/L
	Al 396.153	0.210	mg/L
	As 193.696	0.0313	mg/L
	Ba 493.408	0.0346	mg/L
	Be 313.107	0.0002	mg/L
	Bi 223.061	0.0168	mg/L
	Cd 226.502	0.0011	mg/L
	Co 228.616	0.0032	mg/L
	Cr 205.560	0.0031	mg/L
	Cs 455.531	0.0000	mg/L
	Cu 324.752	0.0117	mg/L
	Ga 417.206	0.0067	mg/L
	In 325.609	0.0110	mg/L
	K 766.490	0.0170	mg/L
	Li 670.784	0.0008	mg/L
	Mn 257.610	0.0041	mg/L
	Ni 231.604	0.0003	mg/L
	Pb 220.353	0.0041	mg/L
	Rb 780.023	0.0018	mg/L
	Se 196.026	0.0026	mg/L
	Sr 421.552	0.0013	mg/L
	Tl 190.801	0.0055	mg/L
	U 385.958	0.0305	mg/L
	V 292.402	0.0004	mg/L
	Zn 213.857	0.0197	mg/L
	Ca 317.933	0.0176	mg/L
	Fe 238.204	0.1527	mg/L
	Mg 280.271	0.0655	mg/L
	Na 330.237	1.95	mg/L
	W 207.912	0.426	mg/L
	Mo 202.031	0.0422	mg/L
	Hg	0.0542	mg/L

SampleID	Analyte	Mean	
Naf 6	Ag 328.068	0.0020	mg/L
	Al 396.153	0.216	mg/L
	As 193.696	0.0319	mg/L
	Ba 493.408	0.0351	mg/L
	Be 313.107	0.0003	mg/L
	Bi 223.061	0.0172	mg/L
	Cd 226.502	0.0015	mg/L
	Co 228.616	0.0037	mg/L
	Cr 205.560	0.0057	mg/L
	Cs 455.531	0.0000	mg/L
	Cu 324.752	0.0119	mg/L
	Ga 417.206	0.0072	mg/L
	In 325.609	0.0113	mg/L
	K 766.490	0.0173	mg/L
	Li 670.784	0.0009	mg/L
	Mn 257.610	0.0045	mg/L
	Ni 231.604	0.0005	mg/L
	Pb 220.353	0.0044	mg/L
	Rb 780.023	0.0021	mg/L
	Se 196.026	0.0029	mg/L
	Sr 421.552	0.0017	mg/L
	Tl 190.801	0.0058	mg/L
	U 385.958	0.0309	mg/L
	V 292.402	0.0006	mg/L
	Zn 213.857	0.0197	mg/L
	Ca 317.933	0.0182	mg/L
	Fe 238.204	0,1632	mg/L
	Mg 280.271	6.0111	mg/L
	Na 330.237	1.102	mg/L
	W 207.912	0.429	mg/L
	Mo 202.031	0.0426	mg/L
	Hg	0.0545	mg/L

AQUABIDES 1-----

Ag 328.068	0.0005	mg/L
Al 396.153	0.0482	mg/L
As 193.696	0.0062	mg/L
Ba 493.408	0.0074	mg/L
Be 313.107	0.0001	mg/L
Bi 223.061	0.0026	mg/L
Cd 226.502	0.0001	mg/L
Co 228.616	0.0011	mg/L
Cr 205.560	0.0259	mg/L
Cs 455.531	0.0000	mg/L
Cu 324.752	0.0015	mg/L
Ga 417.206	0.0035	mg/L
In 325.609	0.0019	mg/L
K 766.490	0.0818	mg/L
Li 670.784	0.0019	mg/L
Mn 257.610	0.0038	mg/L
Ni 231.604	0.0130	mg/L
Pb 220.353	0.0016	mg/L
Rb 780.023	0.0138	mg/L
Se 196.026	0.0104	mg/L
Sr 421.552	0.0012	mg/L
Tl 190.801	0.0012	mg/L
U 385.958	0.0475	mg/L
V 292.402	0.0014	mg/L
Zn 213.857	0.0057	mg/L
Ca 317.933	0.0177	mg/L
Fe 238.204	0.0881	mg/L
Mg 280.271	0.0354	mg/L
Na 330.237	0.1314	mg/L
W 207.912	0.0035	mg/L
Mo 202.031	0.0007	mg/L
Hg 546.074	0.1817	mg/L

SampelID	Analyte	Mean
AQUABIDES 2		
	Ag 328.068	0.0093 mg/L
	Al 396.153	0.0100 mg/L
	As 193.696	0.0074 mg/L
	Ba 493.408	0.0010 mg/L
	Be 313.107	0.0000 mg/L
	Bi 223.061	0.0024 mg/L
	Cd 226.502	0.0003 mg/L
	Co 228.616	0.0011 mg/L
	Cr 205.560	0.0245 mg/L
	Cs 455.531	0.0000 mg/L
	Cu 324.752	0.0135 mg/L
	Ga 417.206	0.0014 mg/L
	In 325.609	0.0029 mg/L
	K 766.490	0.0059 mg/L
	Li 670.784	0.0001 mg/L
	Mn 257.610	0.0002 mg/L
	Ni 231.604	0.0152 mg/L
	Pb 220.353	0.0064 mg/L
	Rb 780.023	0.0246 mg/L
	Se 196.026	0.0137 mg/L
	Sr 421.552	0.0003 mg/L
	Tl 190.801	0.0023 mg/L
	U 385.958	0.0031 mg/L
	V 292.402	0.0004 mg/L
	Zn 213.857	0.0111 mg/L
	Ca 317.933	0.0057 mg/L
	Fe 238.204	0.0803 mg/L
	Mg 280.271	0.0065 mg/L
	Na 330.237	0.5195 mg/L
	W 207.912	0.0161 mg/L
	Mo 202.031	0.0089 mg/L
	Hg 546.074	0.1392 mg/L

SampleID	Analyte	Mean	
AQUABIDES 3			
	Ag 328.068	0.0121	mg/L
	Al 396.153	0.0032	mg/L
	As 193.696	0.0057	mg/L
	Ba 493.408	0.0020	mg/L
	Be 313.107	0.0000	mg/L
	Bi 223.061	0.0019	mg/L
	Cd 226.502	0.0009	mg/L
	Co 228.616	0.0007	mg/L
	Cr 205.560	0.0244	mg/L
	Cs 455.531	0.0000	mg/L
	Cu 324.752	0.0033	mg/L
	Ga 417.206	0.0036	mg/L
	In 325.609	0.0073	mg/L
	K 766.490	0.0045	mg/L
	Li 670.784	0.0003	mg/L
	Mn 257.610	0.0087	mg/L
	Ni 231.604	0.0119	mg/L
	Pb 220.353	0.0044	mg/L
	Rb 780.023	0.0307	mg/L
	Se 196.026	0.0166	mg/L
	Sr 421.552	0.0003	mg/L
	Tl 190.801	0.0083	mg/L
	U 385.958	0.0087	mg/L
	V 292.402	0.0007	mg/L
	Zn 213.857	0.0070	mg/L
	Ca 317.933	0.0077	mg/L
	Fe 238.204	0.0137	mg/L
	Mg 280.271	0.0440	mg/L
	Na 330.237	0.7721	mg/L
	W 207.912	0.0036	mg/L
	Mo 202.031	0.0019	mg/L
	Hg 546.074	0.0418	mg/L

AQUABIDES 4-----

Ag 328.068	0.0053	mg/L
Al 396.153	0.0485	mg/L
As 193.696	0.0064	mg/L
Ba 493.408	0.0077	mg/L
Be 313.107	0.0002	mg/L
Bi 223.061	0.0029	mg/L
Cd 226.502	0.0002	mg/L
Co 228.616	0.0013	mg/L
Cr 205.560	0.0238	mg/L
Cs 455.531	0.0000	mg/L
Cu 324.752	0.0020	mg/L
Ga 417.206	0.0018	mg/L
In 325.609	0.0021	mg/L
K 766.490	0.0081	mg/L
Li 670.784	0.0022	mg/L
Mn 257.610	0.0012	mg/L
Ni 231.604	0.0106	mg/L
Pb 220.353	0.0018	mg/L
Rb 780.023	0.0141	mg/L
Se 196.026	0.0106	mg/L
Sr 421.552	0.0017	mg/L
Tl 190.801	0.0017	mg/L
U 385.958	0.0479	mg/L
V 292.402	0.0017	mg/L
Zn 213.857	0.0059	mg/L
Ca 317.933	0.0181	mg/L
Fe 238.204	0.0143	mg/L
Mg 280.271	0.0357	mg/L
Na 330.237	0.1318	mg/L
W 207.912	0.0037	mg/L
Mo 202.031	0.0009	mg/L
Hg 546.074	0.1819	mg/L

SampleID	Analyte	Mean	
AQUADEST 5			
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	Ag 328.068	0.0094	mg/L
	Al 396.153	0.0102	mg/L
	As 193.696	0.0075	mg/L
	Ba 493.408	0.0013	mg/L
	Be 313.107	0.0001	mg/L
	Bi 223.061	0.0026	mg/L
	Cd 226.502	0.0007	mg/L
	Co 228.616	0.0013	mg/L
	Cr 205.560	0.2177	mg/L
	Cs 455.531	0.0001	mg/L
	Cu 324.752	0.0136	mg/L
	Ga 417.206	0.0017	mg/L
	In 325.609	0.0035	mg/L
	K 766.490	0.0058	mg/L
	Li 670.784	0.0002	mg/L
	Mn 257.610	0.1892	mg/L
	Ni 231.604	0.0153	mg/L
	Pb 220.353	0.0063	mg/L
	Rb 780.023	0.0249	mg/L
	Se 196.026	0.0139	mg/L
	Sr 421.552	0.0004	mg/L
	Tl 190.801	0.0025	mg/L
	U 385.958	0.0032	mg/L
	V 292.402	0.0003	mg/L
	Zn 213.857	0.0110	mg/L
	Ca 317.933	0.0056	mg/L
	Fe 238.204	0.1246	mg/L
	Mg 280.271	0.0093	mg/L
	Na 330.237	0.5194	mg/L
	W 207.912	0.0185	mg/L
	Mo 202.031	0.0088	mg/L
	Hg 546.074	0.1451	mg/L

SampleID	Analyte	Mean	
AQUADEST6			
	Ag 328.068	0.0123	mg/L
	Al 396.153	0.0030	mg/L
	As 193.696	0.0059	mg/L
	Ba 493.408	0.0024	mg/L
	Be 313.107	0.0001	mg/L
	Bi 223.061	0.0020	mg/L
	Cd 226.502	0.0008	mg/L
	Co 228.616	0.0009	mg/L
	Cr 205.560	0.2055	mg/L
	Cs 455.531	0.0001	mg/L
	Cu 324.752	0.0034	mg/L
	Ga 417.206	0.0038	mg/L
	In 325.609	0.0075	mg/L
	K 766.490	0.0046	mg/L
	Li 670.784	0.0003	mg/L
	Mn 257.610	0.0087	mg/L
	Ni 231.604	0.0126	mg/L
	Pb 220.353	0.0048	mg/L
	Rb 780.023	0.0309	mg/L
	Se 196.026	0.0167	mg/L
	Sr 421.552	0.0004	mg/L
	Tl 190.801	0.0087	mg/L
	U 385.958	0.0088	mg/L
	V 292.402	0.0008	mg/L
	Zn 213.857	0.0068	mg/L
	Ca 317.933	0.0120	mg/L
	Fe 238.204	0.1432	mg/L
	Mg 280.271	0.0444	mg/L
	Na 330.237	0.7725	mg/L
	W 207.912	0.0248	mg/L
	Mo 202.031	0.0029	mg/L
	Hg 546.074	0.3597	mg/L

Lampiran 8. Dokumentasi Penelitian**Dokumentasi 1** Penimbangan Braket**Dokumen 2** Mengelompokkan Braket**Dokumentasi 3** Larutan VCO 100%**Dokumentasi 4** Tabung Borosilicate**Dokumentasi 5** Pengambilan Larutan VCO**Dokumentasi 6** Memasukkan Larutan VCO



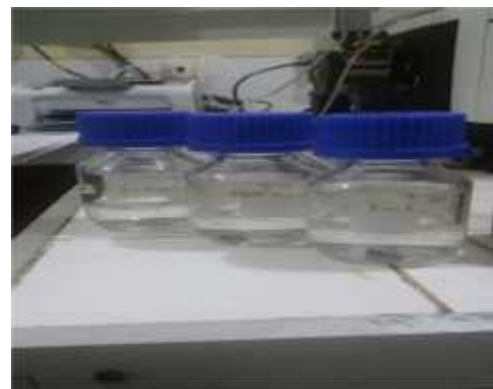
Dokumentasi 7 VCO,Saliva,NaF,Aquadest



Dokumentasi 8 Masuk KeInkubasi



Dokumentasi 9 Larutan Setelah Diinkubasi



Dokumentasi 10 Hasil Destruksi



Dokumentasi 11 Proses ICP 1





Dokumentasi 12 Proses ICP 2



Dokumentasi 13 Proses ICP 3

Lampiran 9. Turnitin

Pembimbing I	Pembimbing II		
			
drg. Grahita Aditya, Sp Orth	drg. Rosa Pratiwi		
 EFEKTIVITAS VIRGIN COCONUT OIL (VCO) 100 % DALAM MENGHAMBAT PELEPASAN ION METAL (Ni,Cr dan Fe) PADA BRAKET METAL <i>by Oviria Julia Erdian</i>			
FILE	KT_OVIRIA_JULIA_ERDIAN_31101200309.DOCX (997.54K)		
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Pembimbing I



drg. Grahita Aditya, Sp.Orh

Pembimbing II



drg. Rosa Pratiwi

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