LAMPIRAN

Lampiran 1. Ethical Clearance

KOMISI ETIK PENELITIAN KESEHATAN
FAKULTAS KEDOKTERAN GIGI
UNIVERSITAS ISLAM SULTAN AGUNG
Sekretariat: Fakultas Kedokteran Gigi UNISSULA
Jl. Raya Kaligawe Km.04 Semarang 50112 Telp. (024) 6583584, Fax 024-6594366

KETERANGAN LOLOS KAJI ETIK
DESCRIPTION OF ETHICAL APPROVAL
"ETHICAL APPROVAL"
No. 181/B.1-KEPK/SA-FKG/I/2020

Protokol penelitian yang diusulkan oleh :

The research protocol proposed by

Peneliti utama : TESSA CHAYA APELLA
Principal In Investigator

Pembimbing : 1. drg.Grahita Aditya Sp.Ort
Supervisor 2. Erna Dwi Agustin S.Psi

Nama Institusi : FAKULTAS KEDOKTERAN GIGI UNISSULA
Name of the Institution

Tempat Penelitian : FAKULTAS KEDOKTERAN GIGI UNISSULA
Research Place

Dengan Judul :
Tittle
HUBUNGAN PELEPASAN ION BESI (Fe) DAN KROMIUM (Cr) PADA BRAKET METAL *STAINLESS STEEL* TERHADAP *SURFACE CHARACTERIZATION*

Dinyatakan layak etik sesuai 7 (tujuh) Standar WHO 2011, yaitu: 1) Nilai Sosial, 2) Nilai Ilmiah, 3) Pemerataan Beban dan Manfaat, 4) Risiko, 5) Bujukan / Eksploitasi, 6) Kerahasiaan dan Privacy, dan 7) Persetujuan Setelah Penjelasan, yang merujuk pada Pedoman CIOMS 2016. Hal ini seperti yang ditunjukkan oleh terpenuhinya indicator setiap standar.

Declared to be ethically appropriate in accordance to 7 (seven) WHO 2011 Standards : 1) Social Values, 2) Scientific Values, 3) Equitable Assessment and Benefits, 4) Risks, 5) Persuasion /

Guidelines This is as indicated by the fulfillment of the indicators of each standard.

Pernyataan Laik Etik ini berlaku selama kurun waktu tanggal 1 Januari 2020 sampai dengan tanggal 1 Januari 2021.

This declaration of ethics applies during the period January 1, 2020 until January 1, 2021.

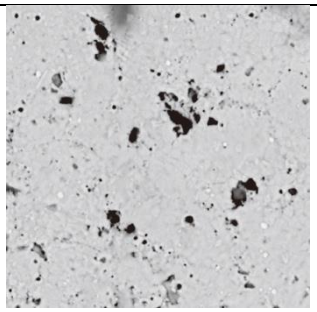
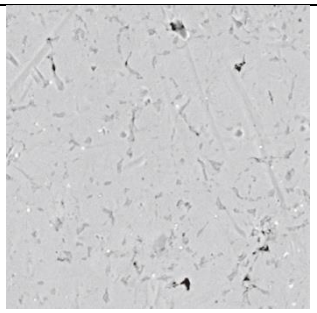
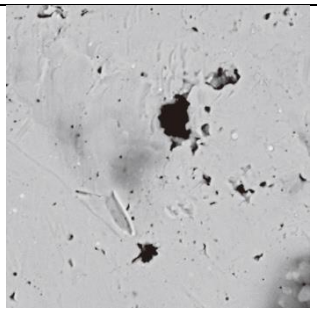
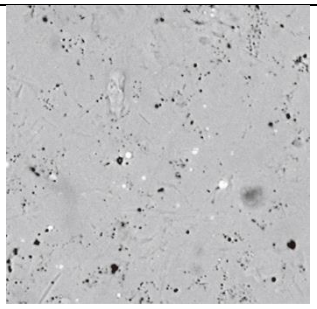
Semarang, 23 Januari 2020
Ketua Komisi Etik Penelitian Kesehatan
Fakultas Kedokteran Gigi UNISSULA

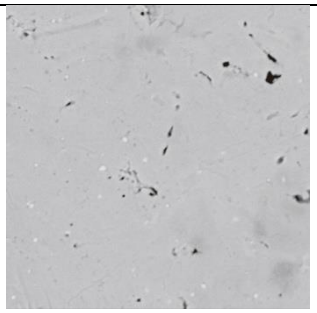
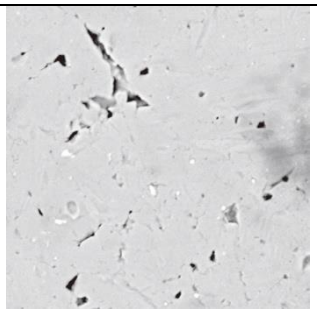
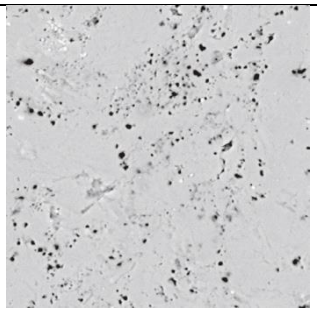
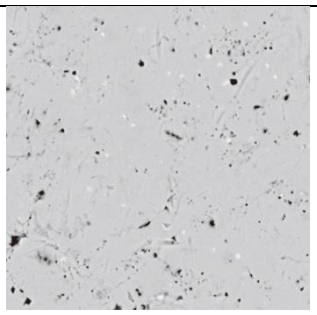
Mengetahui,
Wakil Dekan I

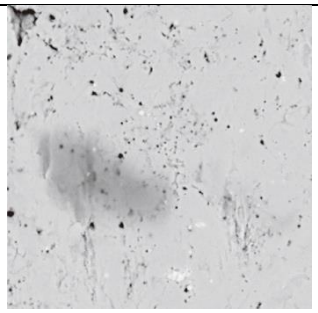
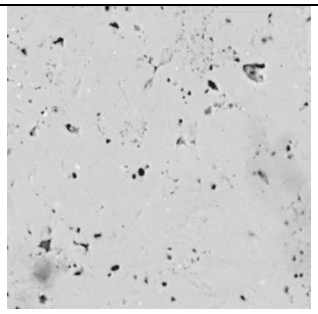
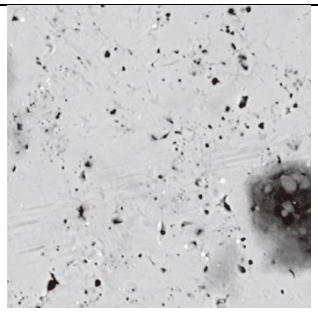
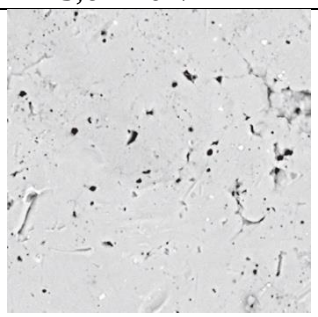
Dr. drg. Yayun Siti Rochmah, Sp. BM
NIK. 210100058

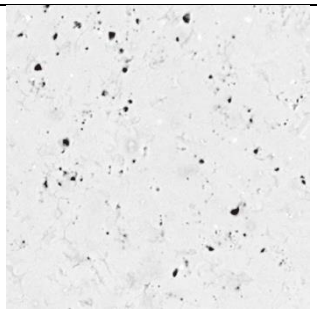
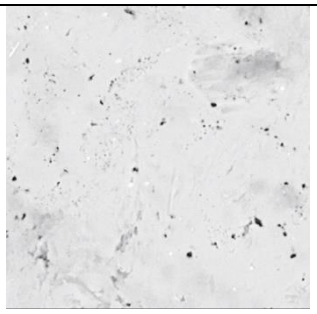
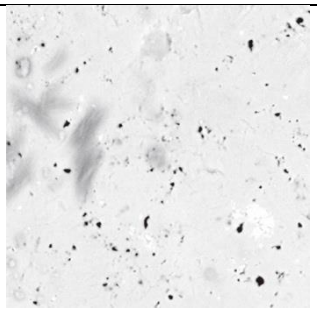
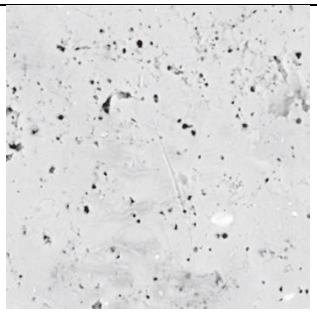
Dr. Drg. Sandy Christiono, Sp.KGA
NIK. 211010012

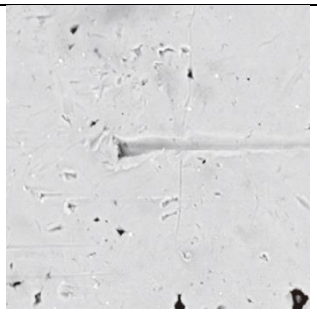
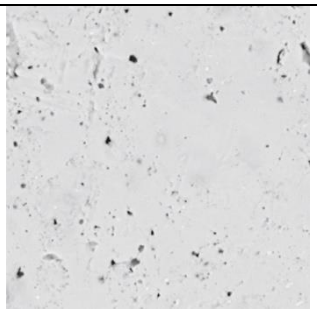
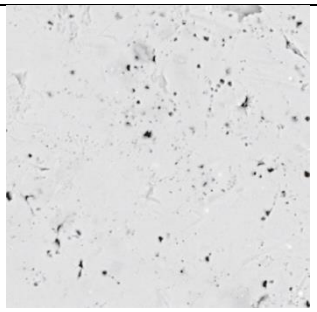
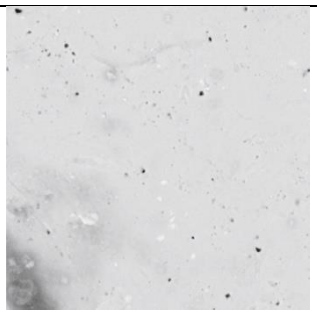
Lampiran 2. Hasil Perhitungan Density dan Size

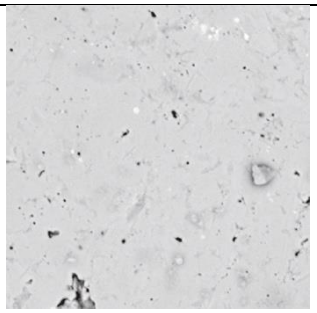
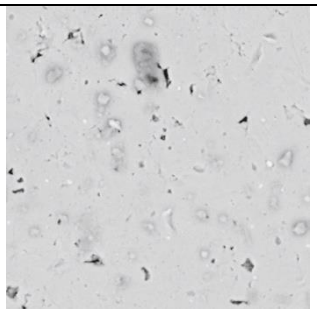
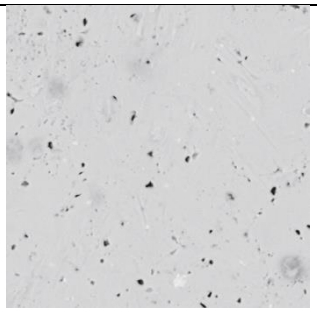
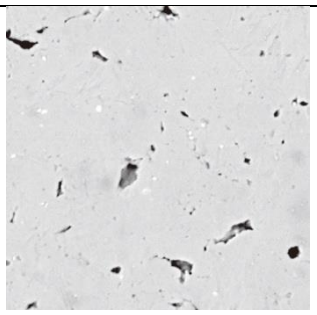
No	Kode	Density	Size	Ion	
				Fe	Cr
1.	KF-1	 2,28 x 10^2 / mm^2	216 nm	0 mg/L	0 mg/L
2.	KF-2	 2,97 x 10^2 / mm^2	114 nm	0,161 mg/L	0,041 mg/L
3.	KF-3	 2,35 x 10^2 / mm^2	170 nm	0,003 mg/L	0 mg/L
4.	KF-4	 4,21 x 10^2 / mm^2	233 nm	0,002 mg/L	0,044 mg/L

5.	KF-5	 2,42 x 10² / mm²	219 nm	0,003 mg/L	0 mg/L
6.	KF-6	 1,55 x 10² / mm²	234 nm	0,004 mg/L	0 mg/L
7.	KM-1	 3,51 x 10² / mm²	265 nm	0,006 mg/L	0 mg/L
8.	KM-2	 2,33 x 10² / mm²	153 nm	0,012 mg/L	0 mg/L

9.	KM-3	 3,35 x 10² / mm²	179 nm	0 mg/L	0 mg/L
10.	KM-4	 2,35 x 10² / mm²	110 nm	0,001 mg/L	0 mg/L
11.	KM-5	 3,6 x 10² / mm²	225 nm	0,004 mg/L	0 mg/L
12.	KM-6	 2,6 x 10² / mm²	211 nm	1,583 mg/L	3,586 mg/L

13.	SB-1	 1,86 x 10² / mm²	187 nm	0 mg/L	0 mg/L
14.	SB-2	 1,99 x 10² / mm²	162 nm	0 mg/L	0 mg/L
15.	SB-3	 1,55 x 10² / mm²	142 nm	0 mg/L	0 mg/L
16.	SB-4	 1,75 x 10² / mm²	165 nm	0 mg/L	0 mg/L

17.	SB-5	 1,61 x 10² / mm²	217 nm	0,004 mg/L	0,078 mg/L
18.	SB-6	 3,61 x 10² / mm²	174 nm	0,008 mg/L	0,090 mg/L
19.	SF-1	 3,89 x 10² / mm²	242 nm	0 mg/L	0 mg/L
20.	SF-2	 1,15 x 10² / mm²	173 nm	0,007 mg/L	0,088 mg/L

21.	SF-3	 2,81 x 10² / mm²	170 nm	0,012 mg/L	0,092 mg/L
22.	SF-4	 1,28 x 10² / mm²	128 nm	0 mg/L	0 mg/L
23.	SF-5	 3,07 x 10² / mm²	195 nm	0,004 mg/L	0,066 mg/L
24.	SF-6	 1,68 x 10² / mm²	249 nm	0,008 mg/L	0,085 mg/L

Lampiran 3. Hasil Analisa Data

Hasil Analisa Statistik Deskriptif

Case Processing Summary						
	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Ion Fe	24	100.0%	0	0.0%	24	100.0%
Ion Cr	24	100.0%	0	0.0%	24	100.0%
Density	24	100.0%	0	0.0%	24	100.0%
Size	24	100.0%	0	0.0%	24	100.0%

Statistics					
		Fe	Cr	Density	Size
N	Valid	24	24	24	24
	Missing	0	0	0	0
Mean		.0759	.0240	2.4904	188.8750
Std. Error of Mean		.06586	.00744	.17872	8.73094
Median		.0035	.0000	2.3500	183.0000
Std. Deviation		.32263	.03646	.87556	42.77272
Variance		.104	.001	.767	1829.505
Skewness		4.824	1.031	.337	-.137
Std. Error of Skewness		.472	.472	.472	.472
Kurtosis		23.453	-.748	-.940	-.769
Std. Error of Kurtosis		.918	.918	.918	.918
Range		1.58	.09	3.06	155.00
Minimum		.00	.00	1.15	110.00
Maximum		1.58	.09	4.21	265.00
Sum		1.82	.58	59.77	4533.00

Uji Normalitas Ion Fe

Tests of Normality						
Fe	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
density	.115	24	.200*	.955	24	.353
size	.100	24	.200*	.967	24	.599
*. This is a lower bound of the true significance.						
a. Lilliefors Significance Correction						

Uji Normalitas Ion Fe

Tests of Normality						
Cr	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
density	.115	24	.200*	.955	24	.353
size	.100	24	.200*	.967	24	.599
*. This is a lower bound of the true significance.						
a. Lilliefors Significance Correction						

Uji *Pearson* Ion Fe - *Density*

Correlations			
		Fe	density
Fe	Pearson Correlation	1	.037
	Sig. (2-tailed)		.865
	N	24	24
density	Pearson Correlation	.037	1
	Sig. (2-tailed)	.865	
	N	24	24

Uji *Pearson* Ion Fe - *Size*

Correlations			
		Fe	size
Fe	Pearson Correlation	1	.066
	Sig. (2-tailed)		.760
	N	24	24
size	Pearson Correlation	.066	1
	Sig. (2-tailed)	.760	
	N	24	24

Uji *Pearson* Ion Cr - *Density*

Correlations			
		Cr	density
Cr	Pearson Correlation	1	.020
	Sig. (2-tailed)		.927
	N	24	24
density	Pearson Correlation	.020	1
	Sig. (2-tailed)	.927	
	N	24	24

Uji *Pearson* Ion Cr - *Size*

Correlations			
		Cr	size
Cr	Pearson Correlation	1	.105
	Sig. (2-tailed)		.625
	N	24	24
size	Pearson Correlation	.105	1
	Sig. (2-tailed)	.625	
	N	24	24

HUBUNGAN PELEPASAN ION BESI (Fe) DAN KROMIUM (Cr) PADA BRAKET METAL STAINLESS STEEL TERHADAP SURFACE CHARACTERIZATION

ORIGINALITY REPORT

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