

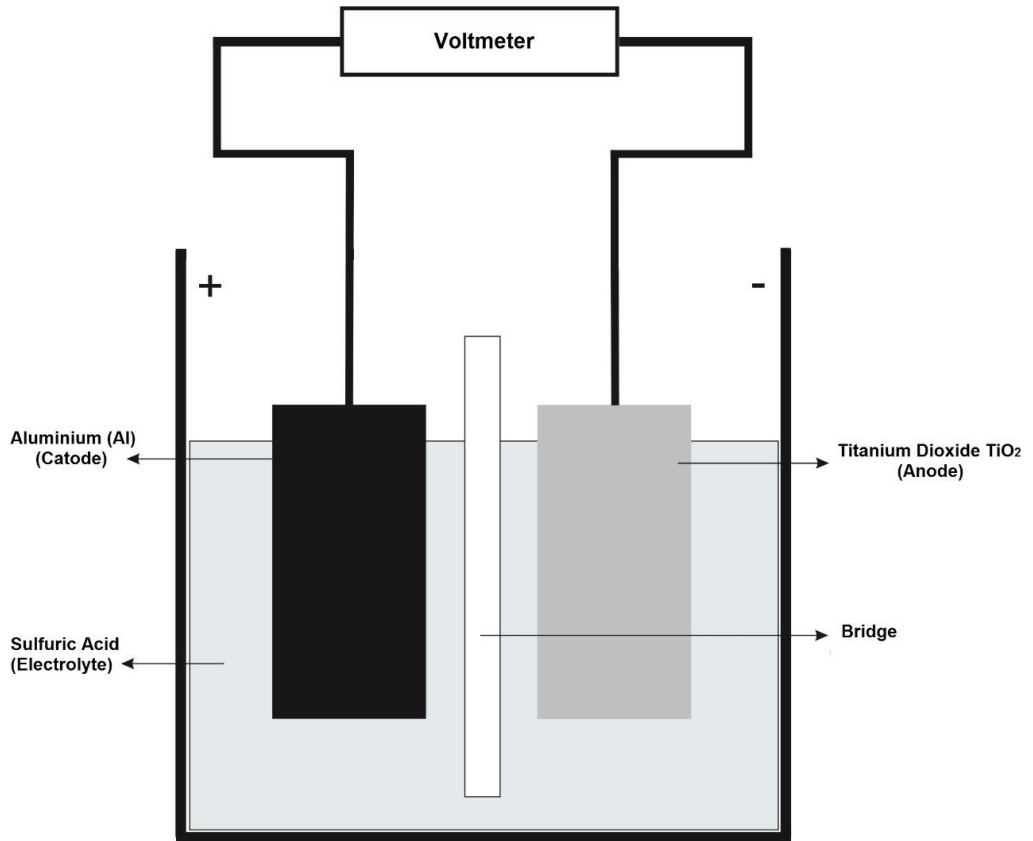
## DAFTAR PUSTAKA

- Abidin, Khoirul. 2015. *Asam sulfat*. Bali : Jurusan Kimia, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Udayana.
- Afiah, Surahman. 2017. *Studi Karakteristik Daya Listrik Air Laut Dengan Prinsip Sel Volta dan Efek Korosi Elektroda*. Makassar: Departemen Fisika Fakultas Matematika Dan Ilmu Pengetahuan Alam Universitas Hasanuddin.
- Badaruddin, dkk. 2015. *Studi Analisa Perencanaan Instalasi Distribusi Saluran Udara Tegangan Menengah (Sutm) 20 KV*. Jakarta: Program Studi Teknik Elektro, Fakultas Teknik Universitas Mercu Buana.
- Coniwanti, dkk. 2015. *Pengaruh Konsentrasi, Waktu Dan Temperatur Terhadap Kandungan Lignin Pada Proses Pemutihan Bubur Kertas Bekas (H<sub>2</sub>O<sub>2</sub>)*. Palembang: Jurusan Teknik Kimia Fakultas Teknik Universitas Sriwijaya.
- Fauzi Ahmad, 2016. *Penentuan Konduktivitas Dan Resistivitas Air Laut Dengan Pengukuran Tidak Langsung*. Program Studi Pendidikan Fisika PMIPA FKIP UNS.
- Fujishima, dkk. 1972. *Electrochemical Photolysis of Water at a Semiconductor Electrode*. Yokohama: Department of Applied Chemistry, Kanagawa University.
- Harahap, Muhammad Ridwan. 2016. *Sel Elektrokimia: Karakteristik dan Aplikasi*. Banda Aceh : Program Studi Kimia, Fakultas Sains dan Teknologi, UIN Ar-Raniry.
- Irawan, Yudy Surya., 2008, *Material Teknik*. Malang : Departemen Teknik Mesin, Universitas Brawijaya.

- Kusumastuti, dkk. 2015. *Sintesis Geopolimer Berbusa Berbahan Dasar Abu Layang Batubara Dengan Hidrogen Peroksida Sebagai Foaming Agent*. Semarang : Jurusan Kimia, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Semarang
- Mada, Ogi Cahaya. 2014. *Prototype Hydrogen Fuel Generator (Pengaruh Konsentrasi Dengan Elektrolit Potassium Hydroxide Terhadap Produksi Gas Hydrogen Pada Hydrogen Fuel Generator)*. Palembang : Jurusan Teknik Kimia Program Studi Teknik Energi Politeknik Negeri Sriwijaya.
- Modestov, dkk. 1998. *Photocatalytic oxidation of 2, 4-dichlorophenoxyacetic acid with titania photocatalyst - Comparison of supported and suspended TiO<sub>2</sub>*. Israel : The Hebrew University of Jerusalem.
- Usman, dkk. 2017. *Studi Eksperimen Penggunaan Air Garam Sebagai Sumber Energi Alternatif*. Kendari : Teknik Mesin, Fakultas Teknik, Universitas Halu Oleo.
- Wang, dkk. 2004. *Synthesis of Rutile ( $\alpha$ -TiO<sub>2</sub>) Nanocrystals with Controlled Size and Shape by Low-Temperature Hydrolysis: Effects of Solvent Composition*. Tennessee : Environmental Sciences, Condensed Matter Sciences, and Chemical Sciences Divisions, Oak Ridge National Laboratory, Oak Ridge.
- Yuliant, Devi. 2016. *Analisis Kelistrikan Sel Volta Memanfaatkan Logam Bekas*. Lampung : Jurusan Fisika Fakultas Matematika Dan Ilmu Pengetahuan Alam Universitas Lampung.
- Zallen, dkk. 2005. *The optical absorption edge of brookite TiO<sub>2</sub>*. Blacksburg: Department of Physics, Virginia Tech, Robeson H

# LAMPIRAN 1

## DESAIN SEL VOLTA



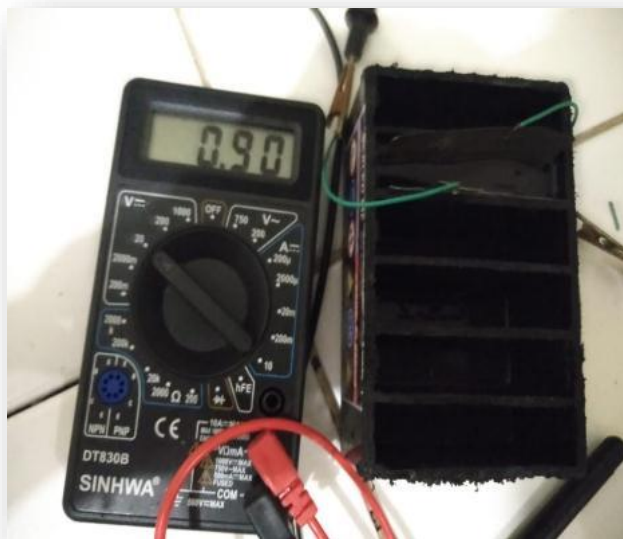
**Gambar Lampiran 1.1** Desain Sel Volta

## LAMPIRAN 2

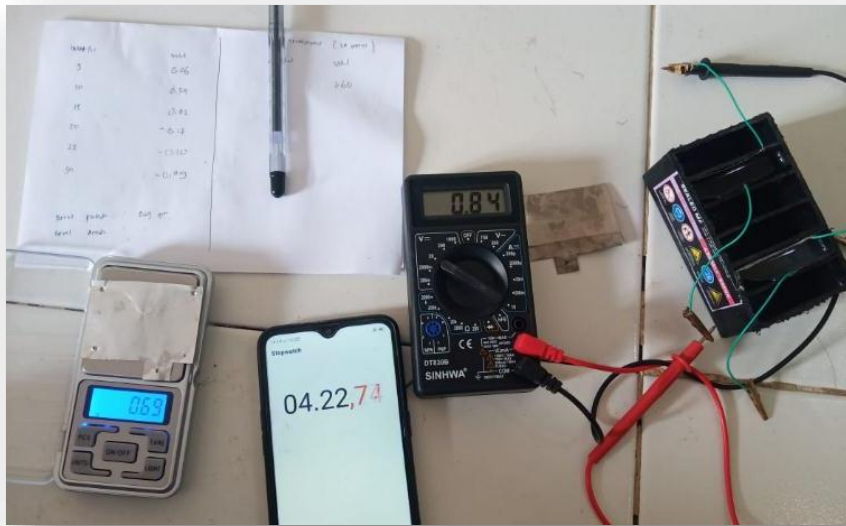
### DOKUMENTASI PENELITIAN



**Gambar Lampiran 2.1** Proses Treatment Titanium



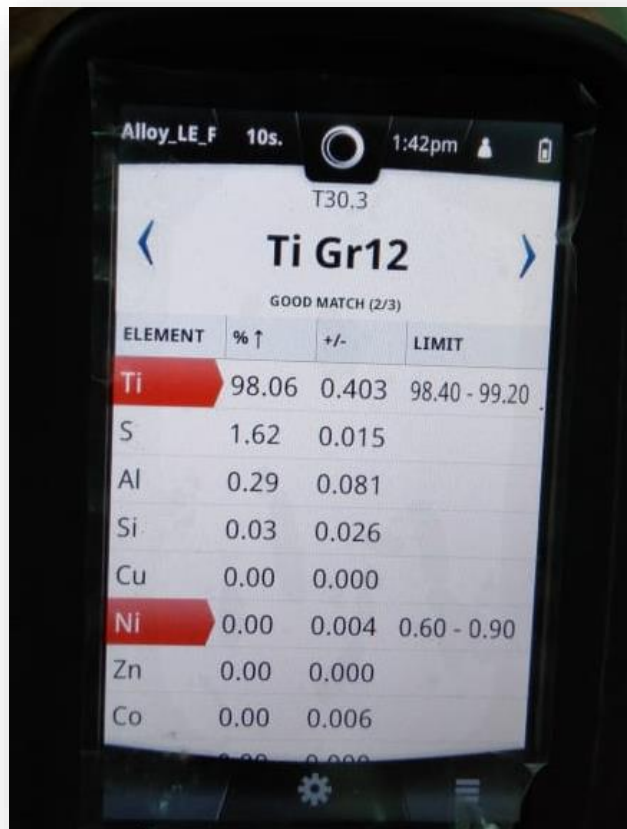
**Gambar Lampiran 2.2** Proses Penyusunan Sel Volta



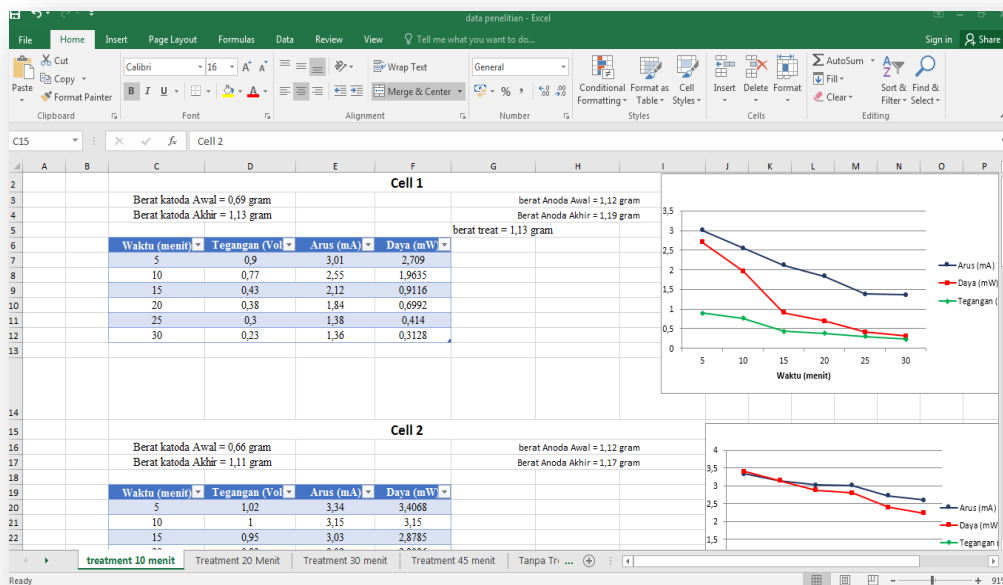
**Gambar Lampiran 2.3** Proses Pengambilan Data



**Gambar Lampiran 2.4** Sampel Hasil Pengujian



Gambar Lampiran 2.5 Proses Pengujian XRF

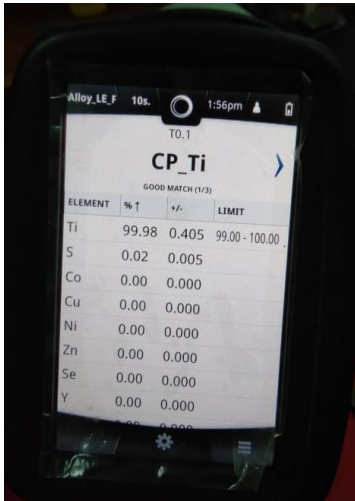
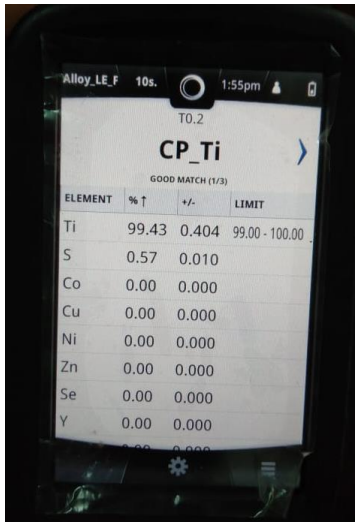
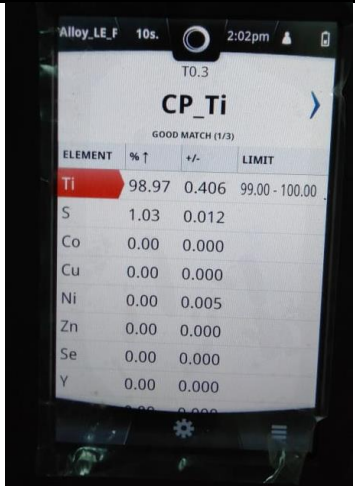


Gambar Lampiran 2.6 Proses Olah Data Excel

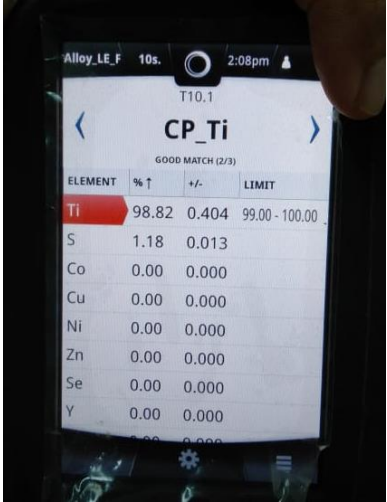

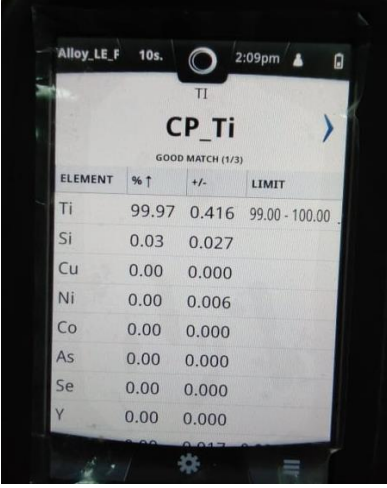
### LAMPIRAN 3

#### HASIL UJI X-RAY FLUORESCENCE SPEKTROMETRI (X-RF)

Lampiran Tabel 1. Uji XRF Titanium tanpa treatment

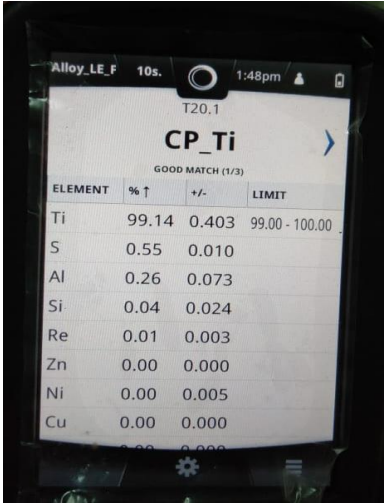
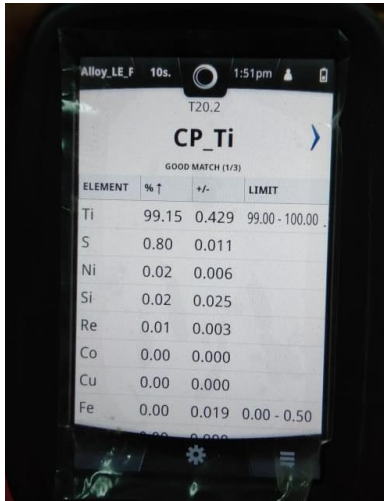
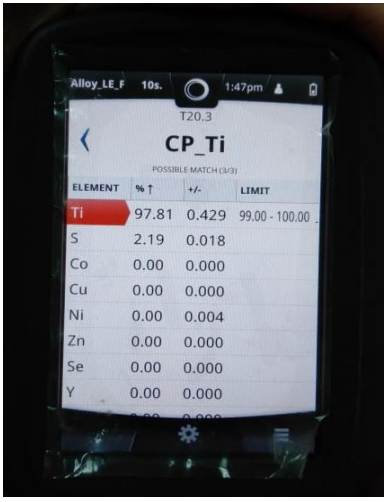
No	Sel	Uji XRF	Presentase Ti																																				
1	1	 <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>99.98</td> <td>0.405</td> <td>99.00 - 100.00</td> </tr> <tr> <td>S</td> <td>0.02</td> <td>0.005</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Se</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Y</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	99.98	0.405	99.00 - 100.00	S	0.02	0.005		Co	0.00	0.000		Cu	0.00	0.000		Ni	0.00	0.000		Zn	0.00	0.000		Se	0.00	0.000		Y	0.00	0.000		99,8%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	99.98	0.405	99.00 - 100.00																																				
S	0.02	0.005																																					
Co	0.00	0.000																																					
Cu	0.00	0.000																																					
Ni	0.00	0.000																																					
Zn	0.00	0.000																																					
Se	0.00	0.000																																					
Y	0.00	0.000																																					
2	2	 <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>99.43</td> <td>0.404</td> <td>99.00 - 100.00</td> </tr> <tr> <td>S</td> <td>0.57</td> <td>0.010</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Se</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Y</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	99.43	0.404	99.00 - 100.00	S	0.57	0.010		Co	0.00	0.000		Cu	0.00	0.000		Ni	0.00	0.000		Zn	0.00	0.000		Se	0.00	0.000		Y	0.00	0.000		99,43%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	99.43	0.404	99.00 - 100.00																																				
S	0.57	0.010																																					
Co	0.00	0.000																																					
Cu	0.00	0.000																																					
Ni	0.00	0.000																																					
Zn	0.00	0.000																																					
Se	0.00	0.000																																					
Y	0.00	0.000																																					
3	3	 <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>98.97</td> <td>0.406</td> <td>99.00 - 100.00</td> </tr> <tr> <td>S</td> <td>1.03</td> <td>0.012</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.005</td> <td></td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Se</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Y</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	98.97	0.406	99.00 - 100.00	S	1.03	0.012		Co	0.00	0.000		Cu	0.00	0.000		Ni	0.00	0.005		Zn	0.00	0.000		Se	0.00	0.000		Y	0.00	0.000		98,97%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	98.97	0.406	99.00 - 100.00																																				
S	1.03	0.012																																					
Co	0.00	0.000																																					
Cu	0.00	0.000																																					
Ni	0.00	0.005																																					
Zn	0.00	0.000																																					
Se	0.00	0.000																																					
Y	0.00	0.000																																					

Lampiran Tabel 2. Uji XRF Titanium (Treatment 10 Menit)

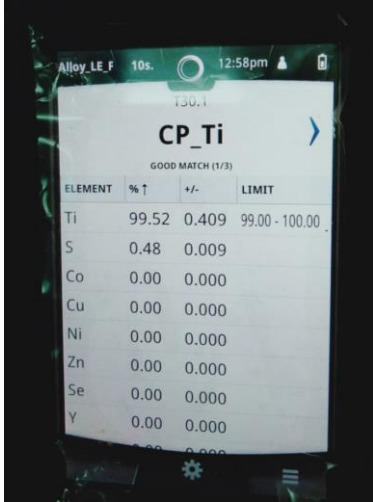
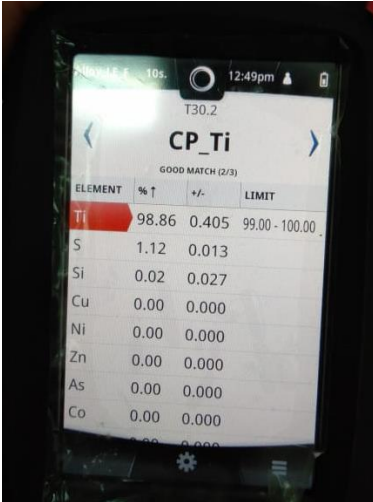

No	Sel	Uji XRF	Persentase Ti																																				
1	1	 <p>The screenshot shows the XRF analysis interface for sample T10.1. The title is 'CP_Ti' and it indicates a 'GOOD MATCH (2/3)'. The table below shows the results for various elements:</p> <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>98.82</td> <td>0.404</td> <td>99.00 - 100.00</td> </tr> <tr> <td>S</td> <td>1.18</td> <td>0.013</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Se</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Y</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	98.82	0.404	99.00 - 100.00	S	1.18	0.013		Co	0.00	0.000		Cu	0.00	0.000		Ni	0.00	0.000		Zn	0.00	0.000		Se	0.00	0.000		Y	0.00	0.000		98,82%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	98.82	0.404	99.00 - 100.00																																				
S	1.18	0.013																																					
Co	0.00	0.000																																					
Cu	0.00	0.000																																					
Ni	0.00	0.000																																					
Zn	0.00	0.000																																					
Se	0.00	0.000																																					
Y	0.00	0.000																																					
2	2	 <p>The screenshot shows the XRF analysis interface for sample T10.2. The title is 'TI_2.5' and it indicates a 'POSSIBLE MATCH (1/3)'. The table below shows the results for various elements:</p> <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>95.17</td> <td>0.404</td> <td>96.20 - 98.00</td> </tr> <tr> <td>S</td> <td>4.47</td> <td>0.024</td> <td></td> </tr> <tr> <td>Al</td> <td>0.35</td> <td>0.081</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td>2.00 - 3.00</td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>As</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	95.17	0.404	96.20 - 98.00	S	4.47	0.024		Al	0.35	0.081		Ni	0.00	0.000		Cu	0.00	0.000	2.00 - 3.00	Zn	0.00	0.000		As	0.00	0.000		Co	0.00	0.000		95,17%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	95.17	0.404	96.20 - 98.00																																				
S	4.47	0.024																																					
Al	0.35	0.081																																					
Ni	0.00	0.000																																					
Cu	0.00	0.000	2.00 - 3.00																																				
Zn	0.00	0.000																																					
As	0.00	0.000																																					
Co	0.00	0.000																																					
3	3	 <p>The screenshot shows the XRF analysis interface for sample T1. The title is 'CP_Ti' and it indicates a 'GOOD MATCH (1/3)'. The table below shows the results for various elements:</p> <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>99.97</td> <td>0.416</td> <td>99.00 - 100.00</td> </tr> <tr> <td>Si</td> <td>0.03</td> <td>0.027</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.006</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>As</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Se</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Y</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	99.97	0.416	99.00 - 100.00	Si	0.03	0.027		Cu	0.00	0.000		Ni	0.00	0.006		Co	0.00	0.000		As	0.00	0.000		Se	0.00	0.000		Y	0.00	0.000		99,97%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	99.97	0.416	99.00 - 100.00																																				
Si	0.03	0.027																																					
Cu	0.00	0.000																																					
Ni	0.00	0.006																																					
Co	0.00	0.000																																					
As	0.00	0.000																																					
Se	0.00	0.000																																					
Y	0.00	0.000																																					



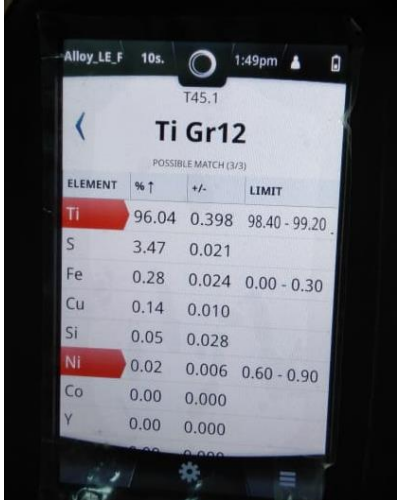


Lampiran Tabel 3. Uji XRF Titanium (Treatment 20 Menit)

No	Sel	Uji XRF	Persentase Ti																																				
1	1	 <p>The screenshot shows the XRF analysis results for sample T20.1. The title is 'CP_Ti' and it indicates a 'GOOD MATCH (1/3)'. The table below shows the elemental composition:</p> <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>99.14</td> <td>0.403</td> <td>99.00 - 100.00</td> </tr> <tr> <td>S</td> <td>0.55</td> <td>0.010</td> <td></td> </tr> <tr> <td>Al</td> <td>0.26</td> <td>0.073</td> <td></td> </tr> <tr> <td>Si</td> <td>0.04</td> <td>0.024</td> <td></td> </tr> <tr> <td>Re</td> <td>0.01</td> <td>0.003</td> <td></td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.005</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	99.14	0.403	99.00 - 100.00	S	0.55	0.010		Al	0.26	0.073		Si	0.04	0.024		Re	0.01	0.003		Zn	0.00	0.000		Ni	0.00	0.005		Cu	0.00	0.000		99,14%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	99.14	0.403	99.00 - 100.00																																				
S	0.55	0.010																																					
Al	0.26	0.073																																					
Si	0.04	0.024																																					
Re	0.01	0.003																																					
Zn	0.00	0.000																																					
Ni	0.00	0.005																																					
Cu	0.00	0.000																																					
2	2	 <p>The screenshot shows the XRF analysis results for sample T20.2. The title is 'CP_Ti' and it indicates a 'GOOD MATCH (1/3)'. The table below shows the elemental composition:</p> <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>99.15</td> <td>0.429</td> <td>99.00 - 100.00</td> </tr> <tr> <td>S</td> <td>0.80</td> <td>0.011</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.02</td> <td>0.006</td> <td></td> </tr> <tr> <td>Si</td> <td>0.02</td> <td>0.025</td> <td></td> </tr> <tr> <td>Re</td> <td>0.01</td> <td>0.003</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Fe</td> <td>0.00</td> <td>0.019</td> <td>0.00 - 0.50</td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	99.15	0.429	99.00 - 100.00	S	0.80	0.011		Ni	0.02	0.006		Si	0.02	0.025		Re	0.01	0.003		Co	0.00	0.000		Cu	0.00	0.000		Fe	0.00	0.019	0.00 - 0.50	99,15%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	99.15	0.429	99.00 - 100.00																																				
S	0.80	0.011																																					
Ni	0.02	0.006																																					
Si	0.02	0.025																																					
Re	0.01	0.003																																					
Co	0.00	0.000																																					
Cu	0.00	0.000																																					
Fe	0.00	0.019	0.00 - 0.50																																				
3	3	 <p>The screenshot shows the XRF analysis results for sample T20.3. The title is 'CP_Ti' and it indicates a 'POSSIBLE MATCH (3/3)'. The table below shows the elemental composition:</p> <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>97.81</td> <td>0.429</td> <td>99.00 - 100.00</td> </tr> <tr> <td>S</td> <td>2.19</td> <td>0.018</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.004</td> <td></td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Se</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Y</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	97.81	0.429	99.00 - 100.00	S	2.19	0.018		Co	0.00	0.000		Cu	0.00	0.000		Ni	0.00	0.004		Zn	0.00	0.000		Se	0.00	0.000		Y	0.00	0.000		97,81%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	97.81	0.429	99.00 - 100.00																																				
S	2.19	0.018																																					
Co	0.00	0.000																																					
Cu	0.00	0.000																																					
Ni	0.00	0.004																																					
Zn	0.00	0.000																																					
Se	0.00	0.000																																					
Y	0.00	0.000																																					

Lampiran Tabel 4. Uji XRF Titanium (Treatment 30 Menit)

No	Sel	Uji XRF	Persentase Ti																																				
1	1	 <p>The screenshot shows the XRF analysis results for sample T30.1. The title is 'CP_Ti' and it indicates a 'GOOD MATCH (1/3)'. The table below shows the percentage of various elements:</p> <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>99.52</td> <td>0.409</td> <td>99.00 - 100.00</td> </tr> <tr> <td>S</td> <td>0.48</td> <td>0.009</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Se</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Y</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	99.52	0.409	99.00 - 100.00	S	0.48	0.009		Co	0.00	0.000		Cu	0.00	0.000		Ni	0.00	0.000		Zn	0.00	0.000		Se	0.00	0.000		Y	0.00	0.000		99,52%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	99.52	0.409	99.00 - 100.00																																				
S	0.48	0.009																																					
Co	0.00	0.000																																					
Cu	0.00	0.000																																					
Ni	0.00	0.000																																					
Zn	0.00	0.000																																					
Se	0.00	0.000																																					
Y	0.00	0.000																																					
2	2	 <p>The screenshot shows the XRF analysis results for sample T30.2. The title is 'CP_Ti' and it indicates a 'GOOD MATCH (2/3)'. The table below shows the percentage of various elements:</p> <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>98.86</td> <td>0.405</td> <td>99.00 - 100.00</td> </tr> <tr> <td>S</td> <td>1.12</td> <td>0.013</td> <td></td> </tr> <tr> <td>Si</td> <td>0.02</td> <td>0.027</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>As</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	98.86	0.405	99.00 - 100.00	S	1.12	0.013		Si	0.02	0.027		Cu	0.00	0.000		Ni	0.00	0.000		Zn	0.00	0.000		As	0.00	0.000		Co	0.00	0.000		98,86%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	98.86	0.405	99.00 - 100.00																																				
S	1.12	0.013																																					
Si	0.02	0.027																																					
Cu	0.00	0.000																																					
Ni	0.00	0.000																																					
Zn	0.00	0.000																																					
As	0.00	0.000																																					
Co	0.00	0.000																																					
3	3	 <p>The screenshot shows the XRF analysis results for sample T30.3. The title is 'CP_Ti' and it indicates a 'POSSIBLE MATCH (3/3)'. The table below shows the percentage of various elements:</p> <table border="1"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>98.06</td> <td>0.403</td> <td>99.00 - 100.00</td> </tr> <tr> <td>S</td> <td>1.62</td> <td>0.015</td> <td></td> </tr> <tr> <td>Al</td> <td>0.29</td> <td>0.081</td> <td></td> </tr> <tr> <td>Si</td> <td>0.03</td> <td>0.026</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.004</td> <td></td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.006</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	98.06	0.403	99.00 - 100.00	S	1.62	0.015		Al	0.29	0.081		Si	0.03	0.026		Cu	0.00	0.000		Ni	0.00	0.004		Zn	0.00	0.000		Co	0.00	0.006		98,06%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	98.06	0.403	99.00 - 100.00																																				
S	1.62	0.015																																					
Al	0.29	0.081																																					
Si	0.03	0.026																																					
Cu	0.00	0.000																																					
Ni	0.00	0.004																																					
Zn	0.00	0.000																																					
Co	0.00	0.006																																					

Lampiran Tabel 5. Uji XRF Titanium (Treatment 45 Menit)

No	Sel	Uji XRF	Persentase Ti																																				
1	1	 <table border="1" data-bbox="555 577 836 853"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>96.04</td> <td>0.398</td> <td>98.40 - 99.20</td> </tr> <tr> <td>S</td> <td>3.47</td> <td>0.021</td> <td></td> </tr> <tr> <td>Fe</td> <td>0.28</td> <td>0.024</td> <td>0.00 - 0.30</td> </tr> <tr> <td>Cu</td> <td>0.14</td> <td>0.010</td> <td></td> </tr> <tr> <td>Si</td> <td>0.05</td> <td>0.028</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.02</td> <td>0.006</td> <td>0.60 - 0.90</td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Y</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	96.04	0.398	98.40 - 99.20	S	3.47	0.021		Fe	0.28	0.024	0.00 - 0.30	Cu	0.14	0.010		Si	0.05	0.028		Ni	0.02	0.006	0.60 - 0.90	Co	0.00	0.000		Y	0.00	0.000		96,04%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	96.04	0.398	98.40 - 99.20																																				
S	3.47	0.021																																					
Fe	0.28	0.024	0.00 - 0.30																																				
Cu	0.14	0.010																																					
Si	0.05	0.028																																					
Ni	0.02	0.006	0.60 - 0.90																																				
Co	0.00	0.000																																					
Y	0.00	0.000																																					
2	2	 <table border="1" data-bbox="555 1104 836 1379"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>96.21</td> <td>0.404</td> <td>98.40 - 99.20</td> </tr> <tr> <td>S</td> <td>3.47</td> <td>0.021</td> <td></td> </tr> <tr> <td>Al</td> <td>0.32</td> <td>0.081</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.000</td> <td>0.60 - 0.90</td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>As</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	96.21	0.404	98.40 - 99.20	S	3.47	0.021		Al	0.32	0.081		Ni	0.00	0.000	0.60 - 0.90	Cu	0.00	0.000		Zn	0.00	0.000		As	0.00	0.000		Co	0.00	0.000		96,21%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	96.21	0.404	98.40 - 99.20																																				
S	3.47	0.021																																					
Al	0.32	0.081																																					
Ni	0.00	0.000	0.60 - 0.90																																				
Cu	0.00	0.000																																					
Zn	0.00	0.000																																					
As	0.00	0.000																																					
Co	0.00	0.000																																					
3	3	 <table border="1" data-bbox="555 1632 836 1908"> <thead> <tr> <th>ELEMENT</th> <th>% ↑</th> <th>+/-</th> <th>LIMIT</th> </tr> </thead> <tbody> <tr> <td>Ti</td> <td>98.22</td> <td>0.401</td> <td>98.40 - 99.20</td> </tr> <tr> <td>S</td> <td>1.68</td> <td>0.015</td> <td></td> </tr> <tr> <td>Si</td> <td>0.10</td> <td>0.029</td> <td></td> </tr> <tr> <td>Cu</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Ni</td> <td>0.00</td> <td>0.000</td> <td>0.60 - 0.90</td> </tr> <tr> <td>Zn</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>As</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> <tr> <td>Co</td> <td>0.00</td> <td>0.000</td> <td></td> </tr> </tbody> </table>	ELEMENT	% ↑	+/-	LIMIT	Ti	98.22	0.401	98.40 - 99.20	S	1.68	0.015		Si	0.10	0.029		Cu	0.00	0.000		Ni	0.00	0.000	0.60 - 0.90	Zn	0.00	0.000		As	0.00	0.000		Co	0.00	0.000		98,22%
ELEMENT	% ↑	+/-	LIMIT																																				
Ti	98.22	0.401	98.40 - 99.20																																				
S	1.68	0.015																																					
Si	0.10	0.029																																					
Cu	0.00	0.000																																					
Ni	0.00	0.000	0.60 - 0.90																																				
Zn	0.00	0.000																																					
As	0.00	0.000																																					
Co	0.00	0.000																																					