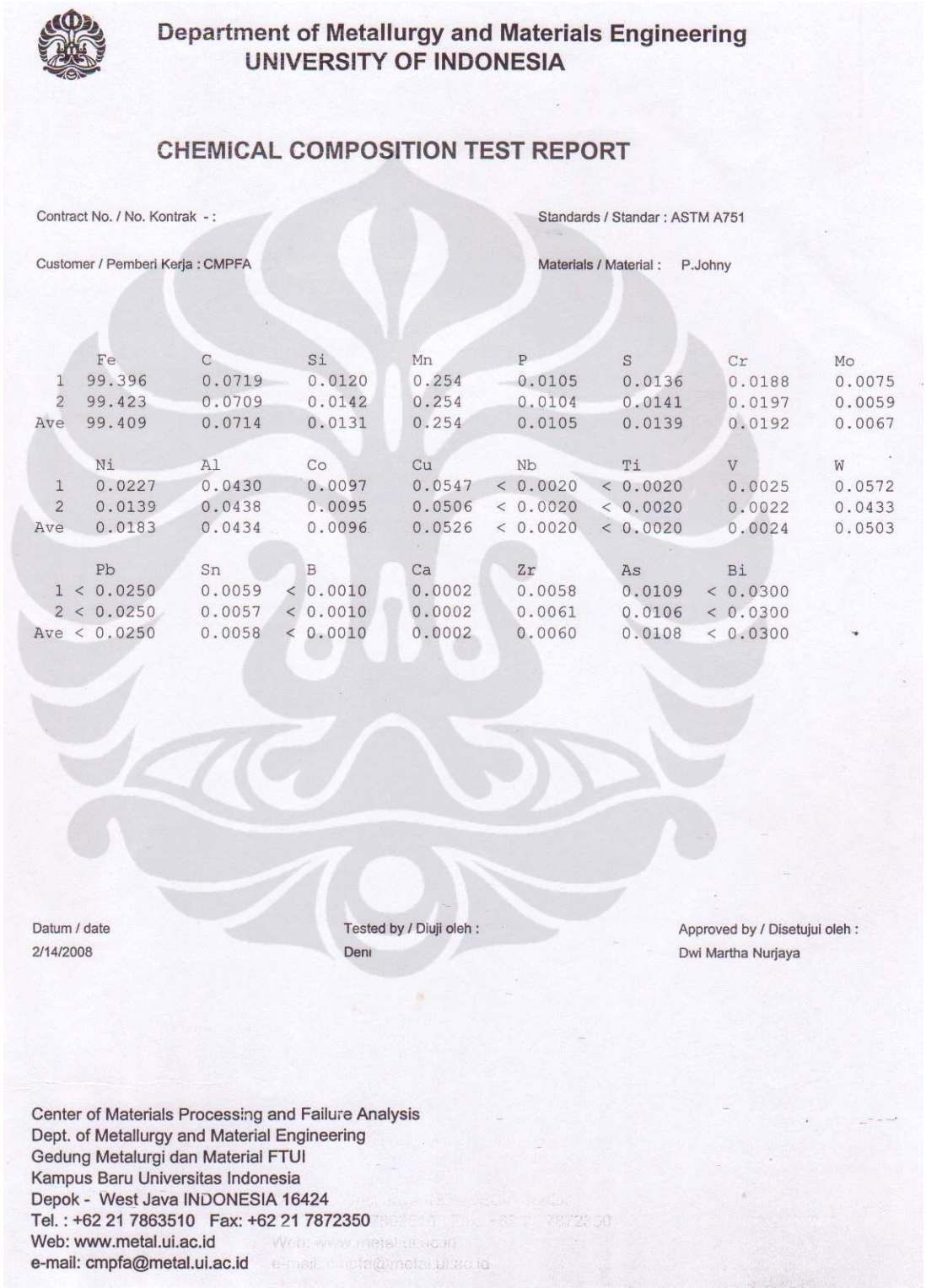
LAMPIRAN

Lampiran 1 Hasil uji komposisi baja karbon menggunakan spektrometer.



Department of Metallurgy and Materials Engineering
UNIVERSITY OF INDONESIA

CHEMICAL COMPOSITION TEST REPORT

Contract No. / No. Kontrak - :

Standards / Standar : ASTM A751

Customer / Pemberi Kerja : CMPFA

Materials / Material : P.Johny

	Fe	C	Si	Mn	P	S	Cr	Mo
1	99.396	0.0719	0.0120	0.254	0.0105	0.0136	0.0188	0.0075
2	99.423	0.0709	0.0142	0.254	0.0104	0.0141	0.0197	0.0059
Ave	99.409	0.0714	0.0131	0.254	0.0105	0.0139	0.0192	0.0067

	Ni	Al	Co	Cu	Nb	Ti	V	W
1	0.0227	0.0430	0.0097	0.0547	< 0.0020	< 0.0020	0.0025	0.0572
2	0.0139	0.0438	0.0095	0.0506	< 0.0020	< 0.0020	0.0022	0.0433
Ave	0.0183	0.0434	0.0096	0.0526	< 0.0020	< 0.0020	0.0024	0.0503

	Pb	Sn	B	Ca	Zr	As	Bi
1	< 0.0250	0.0059	< 0.0010	0.0002	0.0058	0.0109	< 0.0300
2	< 0.0250	0.0057	< 0.0010	0.0002	0.0061	0.0106	< 0.0300
Ave	< 0.0250	0.0058	< 0.0010	0.0002	0.0060	0.0108	< 0.0300

Datum / date
2/14/2008

Tested by / Diuji oleh :
Deni

Approved by / Disetujui oleh :
Dwi Martha Nurjaya

Center of Materials Processing and Failure Analysis
Dept. of Metallurgy and Material Engineering
Gedung Metalurgi dan Material FTUI
Kampus Baru Universitas Indonesia
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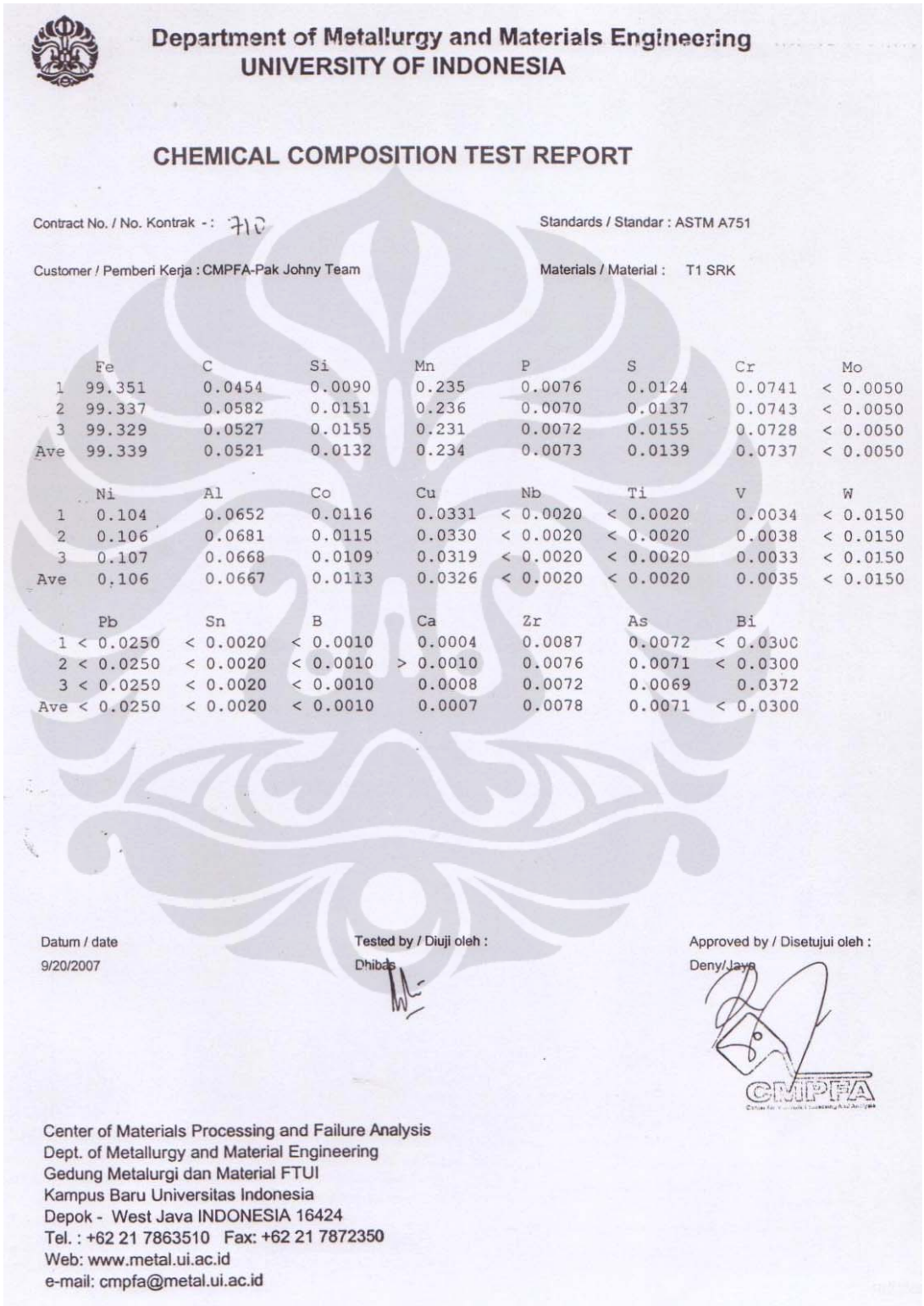
Web: www.metal.ui.ac.id
e-mail: cmpfa@metal.ui.ac.id

Lampiran 2 Hasil uji komposisi baja laterit menggunakan spektrometer



Department of Metallurgy and Materials Engineering
UNIVERSITY OF INDONESIA

CHEMICAL COMPOSITION TEST REPORT

Contract No. / No. Kontrak - : 710

Standards / Standar : ASTM A751

Customer / Pemberi Kerja : CMPFA-Pak Johny Team

Materials / Material : T1 SRK

	Fe	C	Si	Mn	P	S	Cr	Mo
1	99.351	0.0454	0.0090	0.235	0.0076	0.0124	0.0741	< 0.0050
2	99.337	0.0582	0.0151	0.236	0.0070	0.0137	0.0743	< 0.0050
3	99.329	0.0527	0.0155	0.231	0.0072	0.0155	0.0728	< 0.0050
Ave	99.339	0.0521	0.0132	0.234	0.0073	0.0139	0.0737	< 0.0050

	Ni	Al	Co	Cu	Nb	Ti	V	W
1	0.104	0.0652	0.0116	0.0331	< 0.0020	< 0.0020	0.0034	< 0.0150
2	0.106	0.0681	0.0115	0.0330	< 0.0020	< 0.0020	0.0038	< 0.0150
3	0.107	0.0668	0.0109	0.0319	< 0.0020	< 0.0020	0.0033	< 0.0150
Ave	0.106	0.0667	0.0113	0.0326	< 0.0020	< 0.0020	0.0035	< 0.0150

	Pb	Sn	B	Ca	Zr	As	Bi
1	< 0.0250	< 0.0020	< 0.0010	0.0004	0.0087	0.0072	< 0.0300
2	< 0.0250	< 0.0020	< 0.0010	> 0.0010	0.0076	0.0071	< 0.0300
3	< 0.0250	< 0.0020	< 0.0010	0.0008	0.0072	0.0069	0.0372
Ave	< 0.0250	< 0.0020	< 0.0010	0.0007	0.0078	0.0071	< 0.0300

Datum / date
9/20/2007

Tested by / Diuji oleh :
Dhiba

Approved by / Disetujui oleh :
Deny/Jaya

CMPFA

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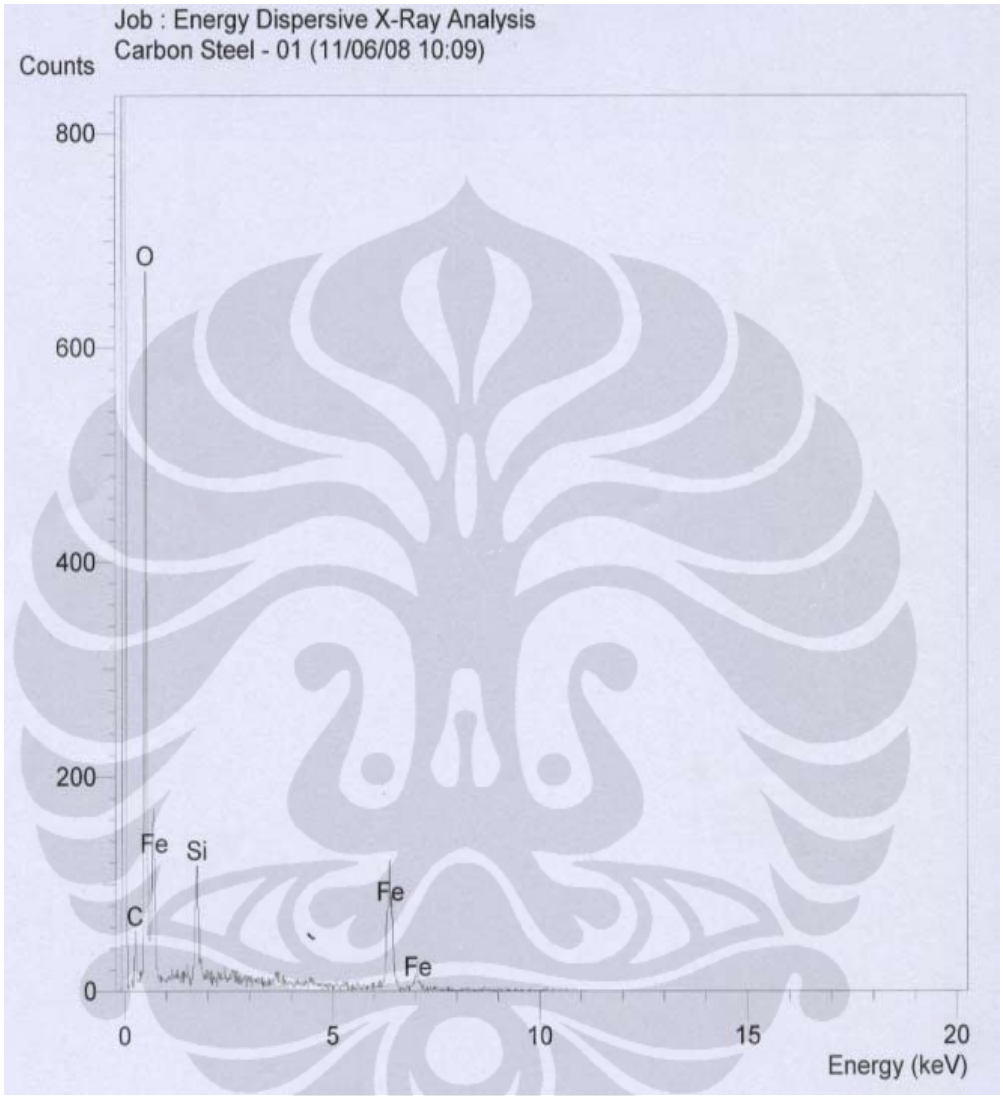
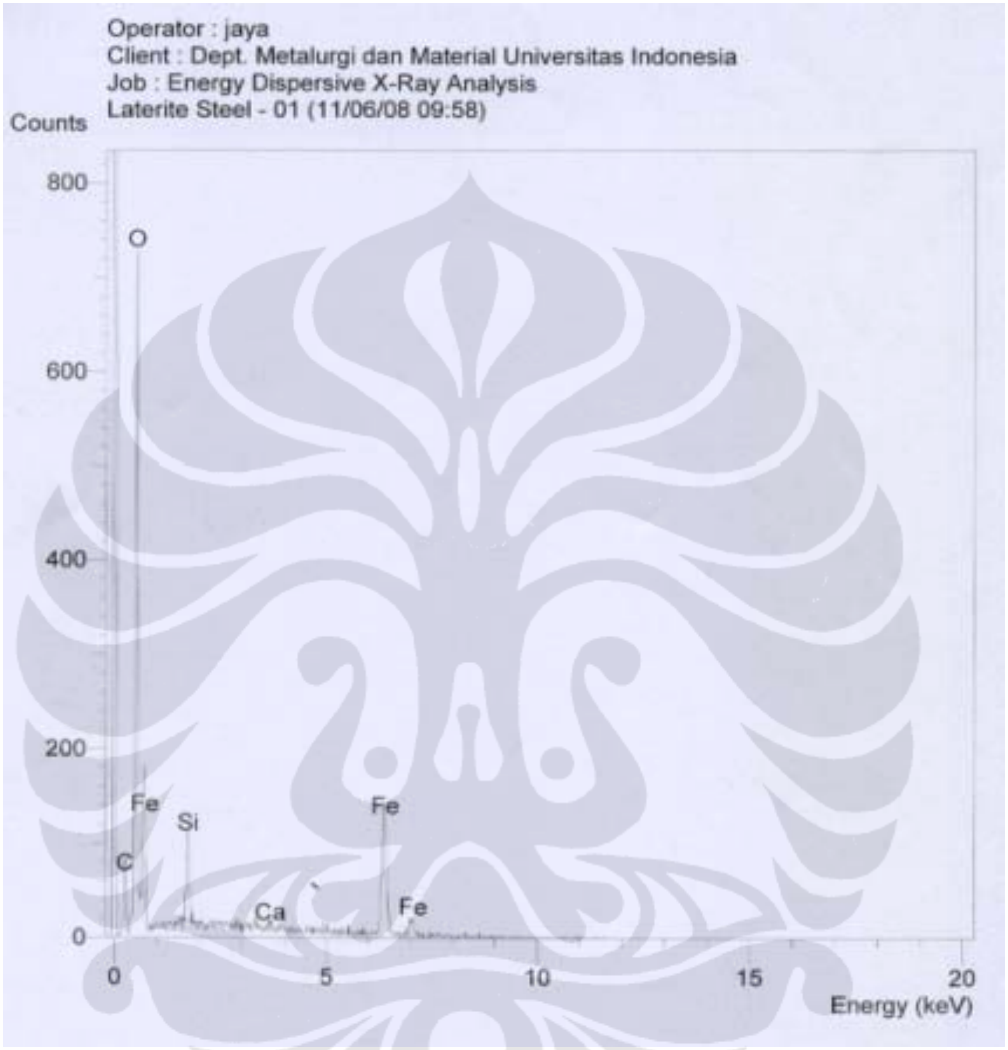
Lampiran 3 Contoh hasil pengujian EDX deposit di permukaan baja karbon



Elmt	Spect. Type	Element %	Atomic %
C K	ED	7.29	17.47
O K	ED	25.89	46.59
Si K	ED	2.96	3.03
Fe K	ED	63.86	32.92
Total		100.00	100.00

Lampiran 4 Contoh hasil pengujian EDX deposit di permukaan baja laterite



Elmt	Spect. Type	Element %	Atomic %
C K	ED	6.31	15.86
O K	ED	23.77	44.85
Si K	ED	2.41	2.59
Ca K	ED	0.93	0.70
Fe K	ED	66.58	35.99
Total		100.00	100.00

Lampiran 5. Contoh toples hasil perendaman baja karbon

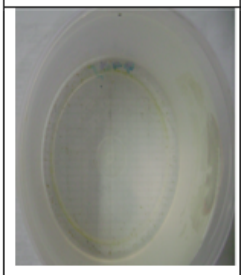
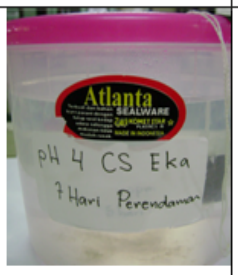
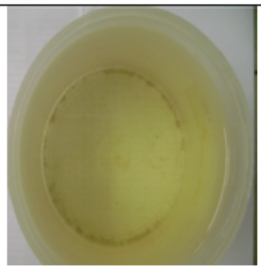
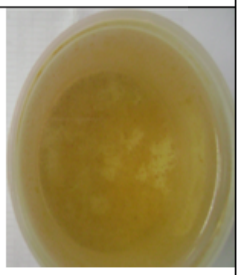
❖ **Larutan 700 ppm klorida + 300 ppm NaCl**

48 Jam	72 Jam	120 Jam	168 Jam
			

❖ **Larutan 700 ppm klorida + (100 ppm, 200 ppm, 300 ppm, 400 ppm) NaCl selama perendaman 168 jam**

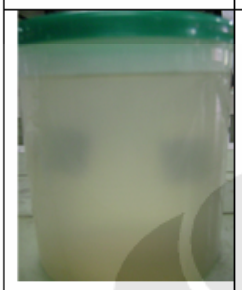
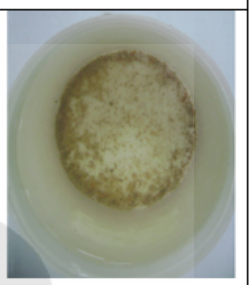
+ 100 ppm	+ 200 ppm	+ 300 ppm	+ 400 ppm
			

❖ **Larutan air danau pH = 3, pH = 4, pH = 5, pH = 6 selama perendaman 168 jam**

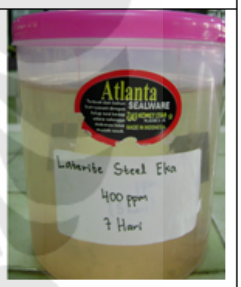
PH = 3	PH = 4	PH = 5	PH = 6
			

Lampiran 6. Contoh toples hasil perendaman baja laterite

❖ **700 ppm klorida + 300 ppm NaCl**

48 Jam	72 Jam	120 Jam	168 Jam
			

❖ **Larutan 700 ppm klorida + (100 ppm, 200 ppm, 300 ppm, 400 ppm) NaCl selama perendaman 168 jam**

+ 100 ppm	+ 200 ppm	+ 300 ppm	+ 400 ppm
			

❖ **Larutan air danau pH = 3, pH = 4, pH = 5, pH = 6 selama perendaman 168 jam**

PH = 3	PH = 4	PH = 5	PH = 6