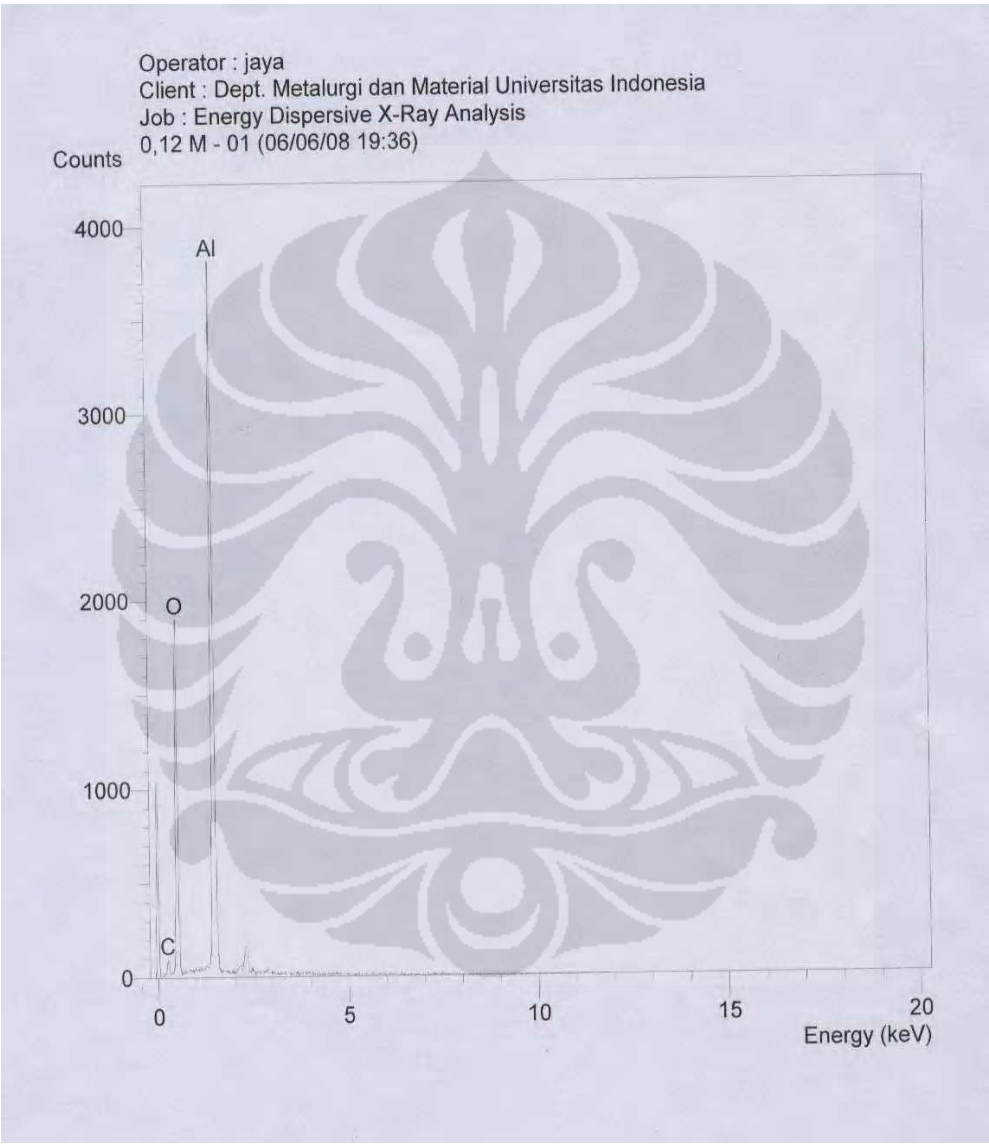
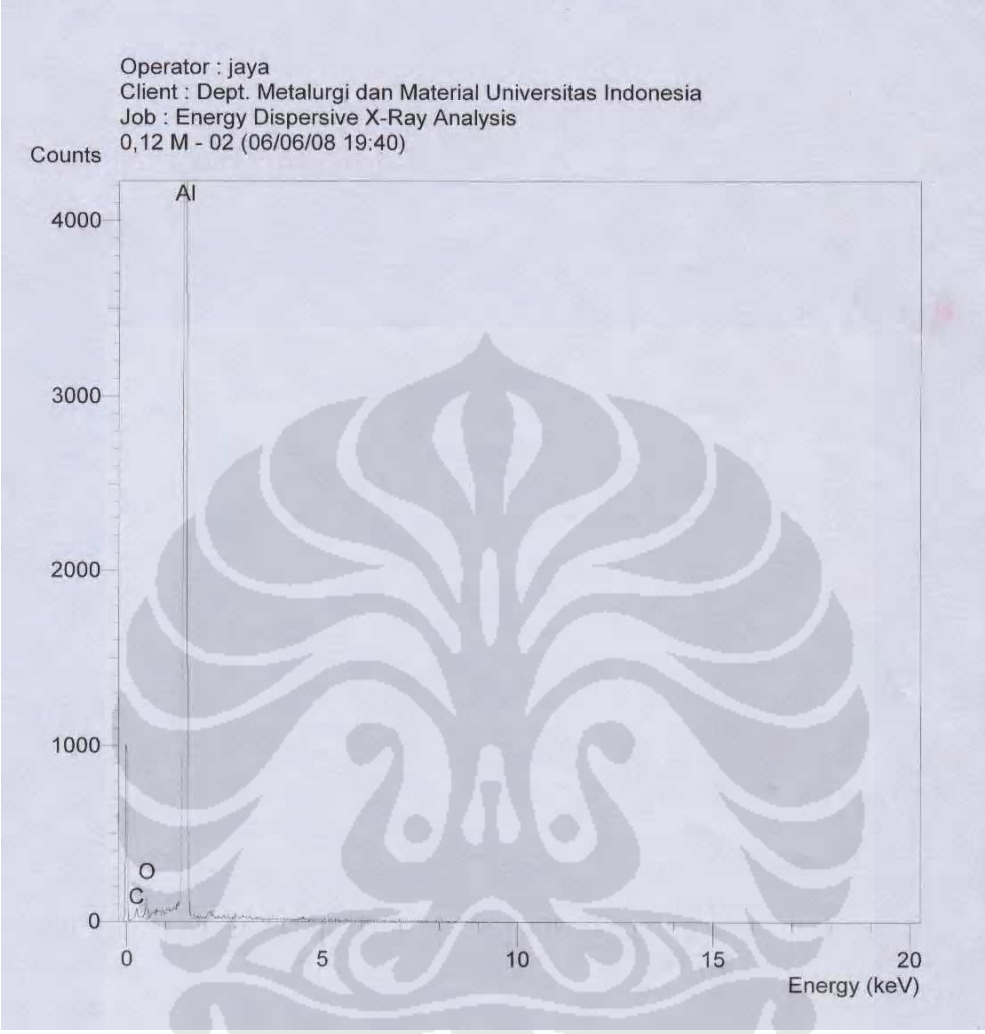
LAMPIRAN

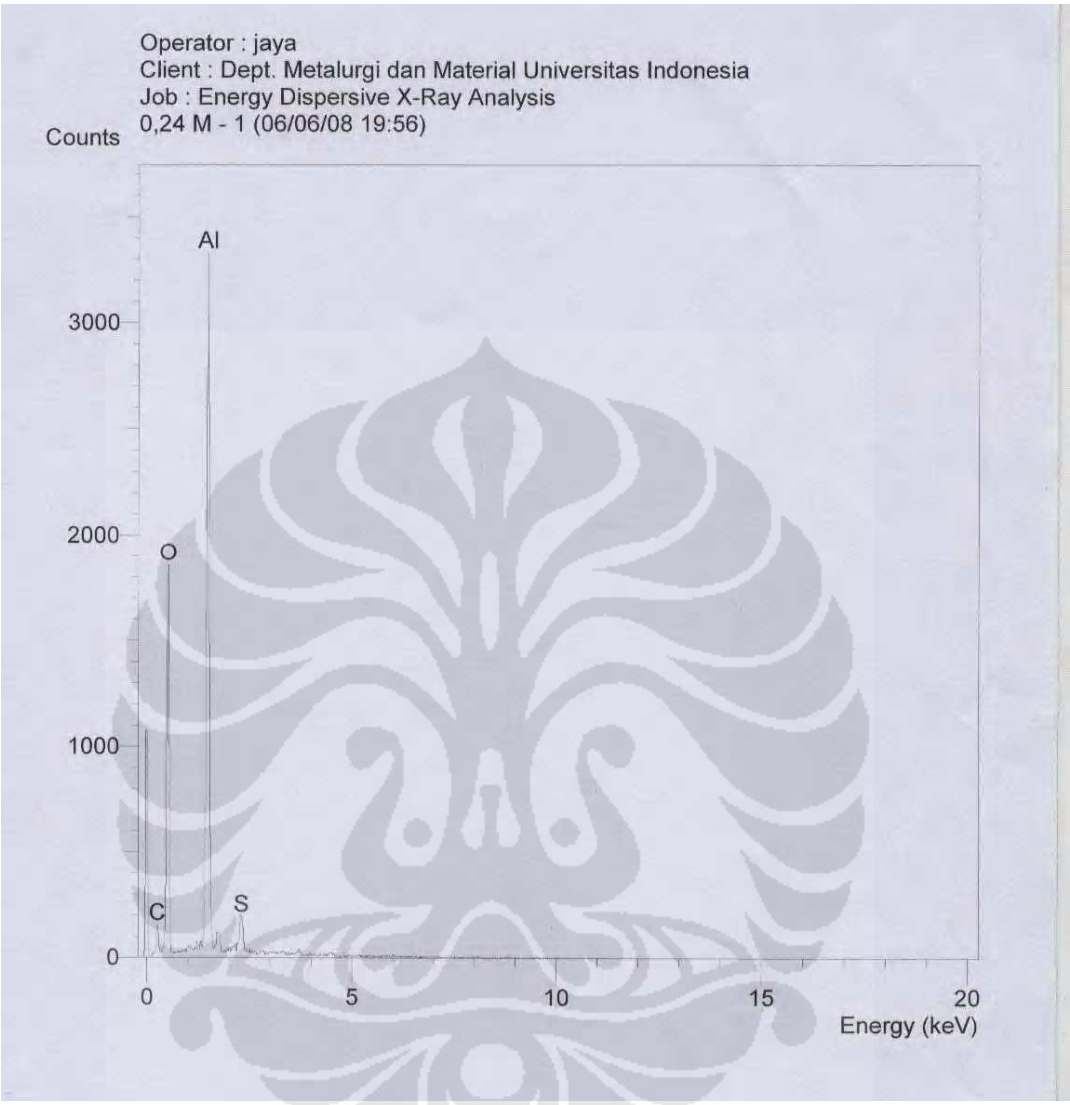
Lampiran 1. Kurva EDX sample hasil percobaan dengan penambahan 0,12 M Asam Sulfat (Bagian Lapisan Oksida)



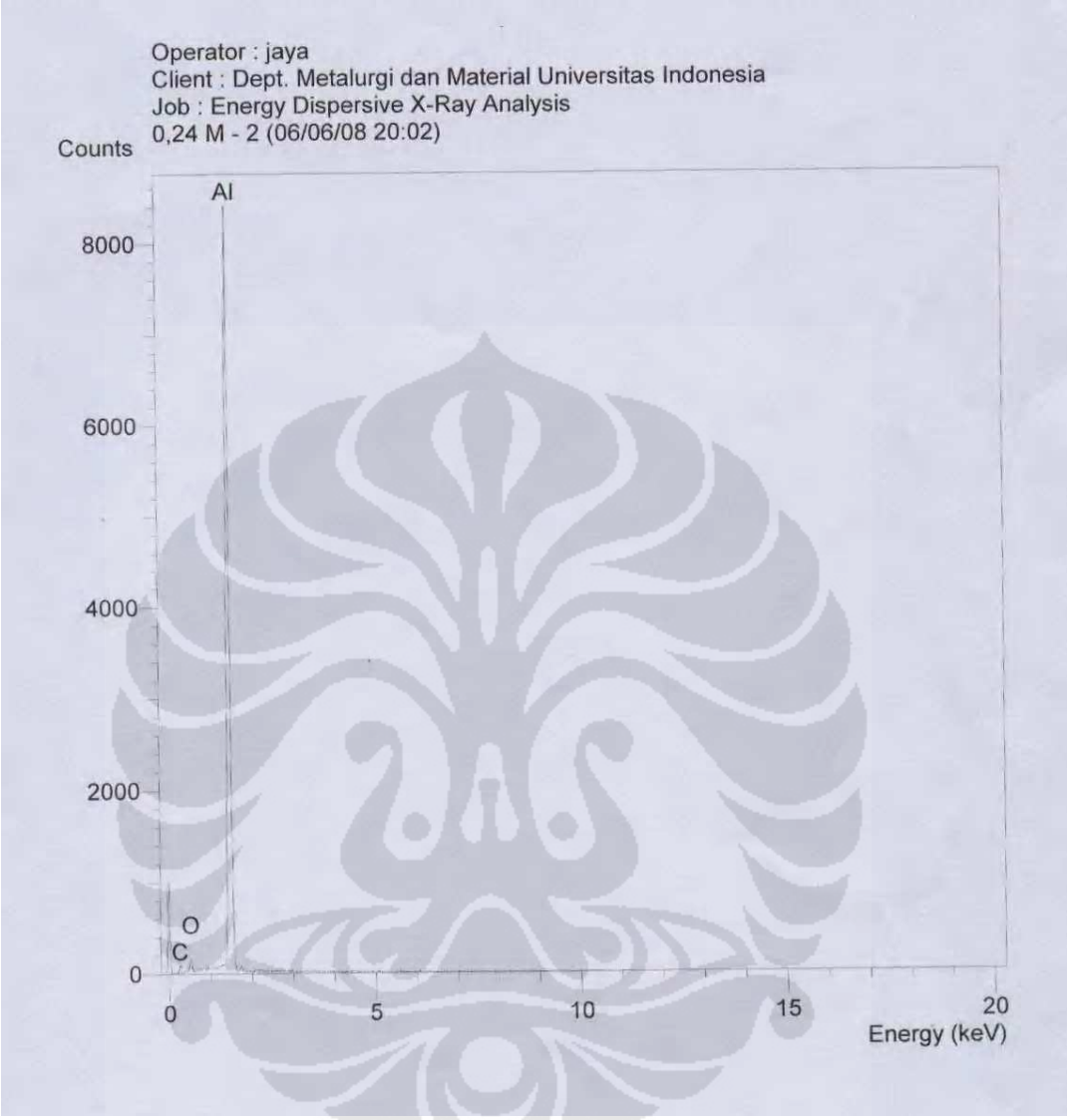
Lampiran 2. Kurva EDX sample hasil percobaan dengan penambahan 0,12 M Asam Sulfat (Bagian *Base Metal*)



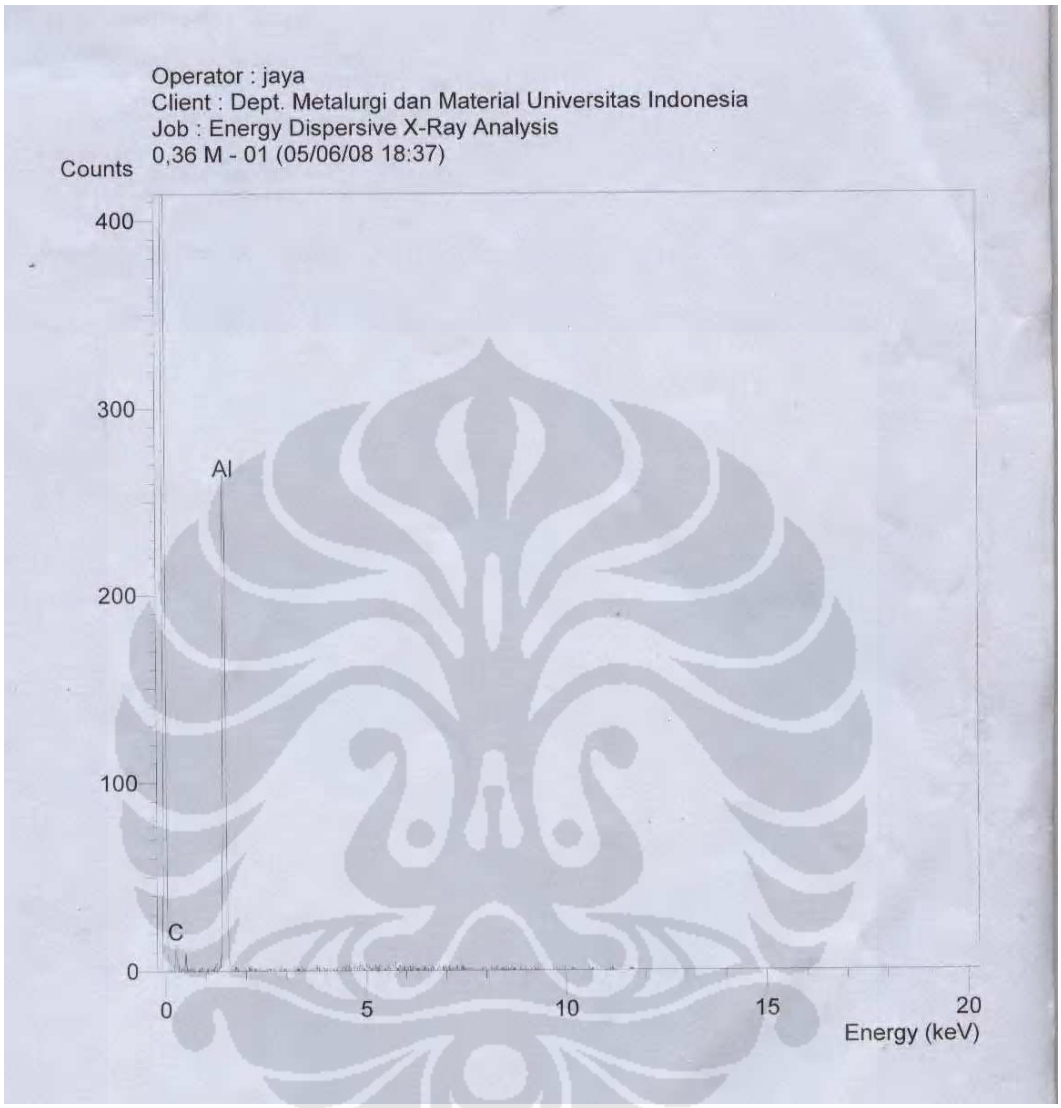
Lampiran 3. Kurva EDX sample hasil percobaan dengan penambahan 0,24 M Asam Sulfat (Bagian Lapisan Oksida)



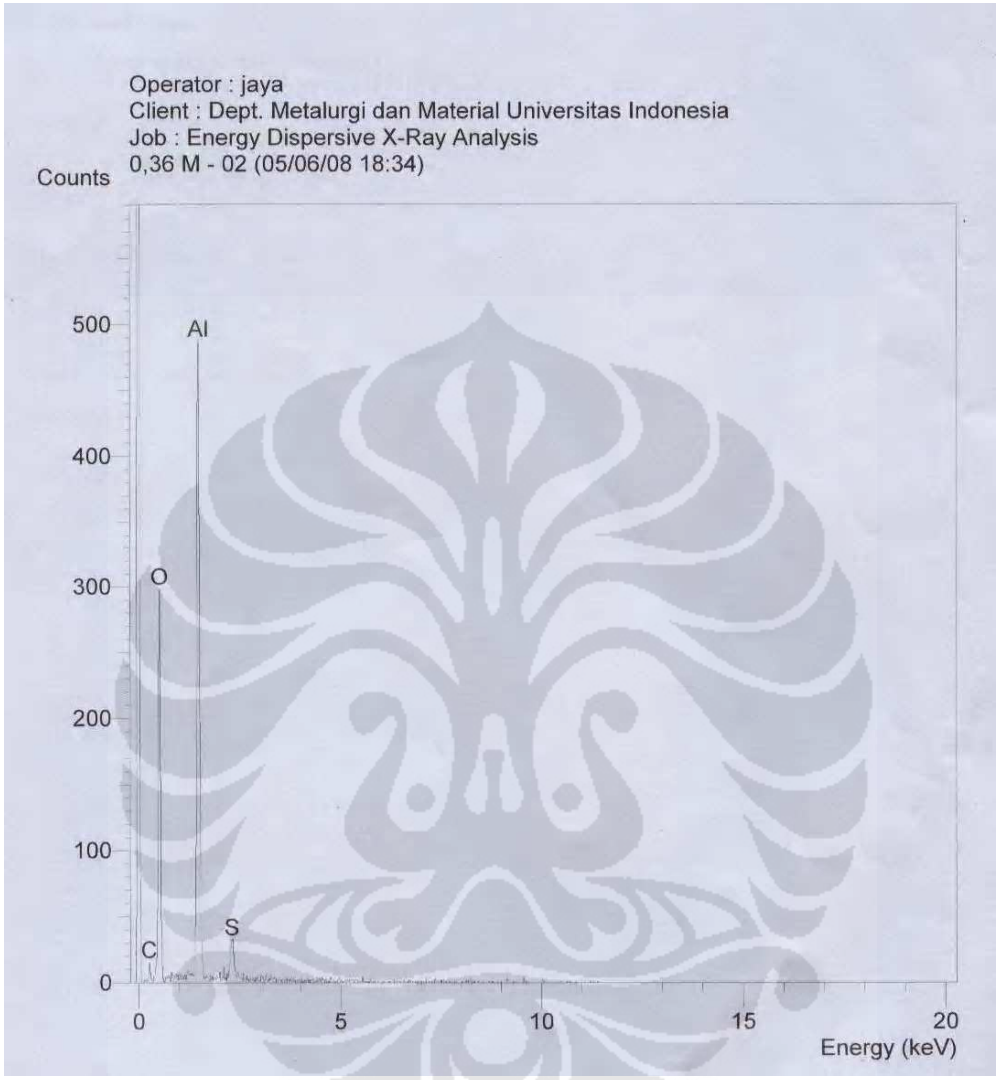
Lampiran 4. Kurva EDX sample hasil percobaan dengan penambahan 0,24 M Asam Sulfat (Bagian *Base Metal*)



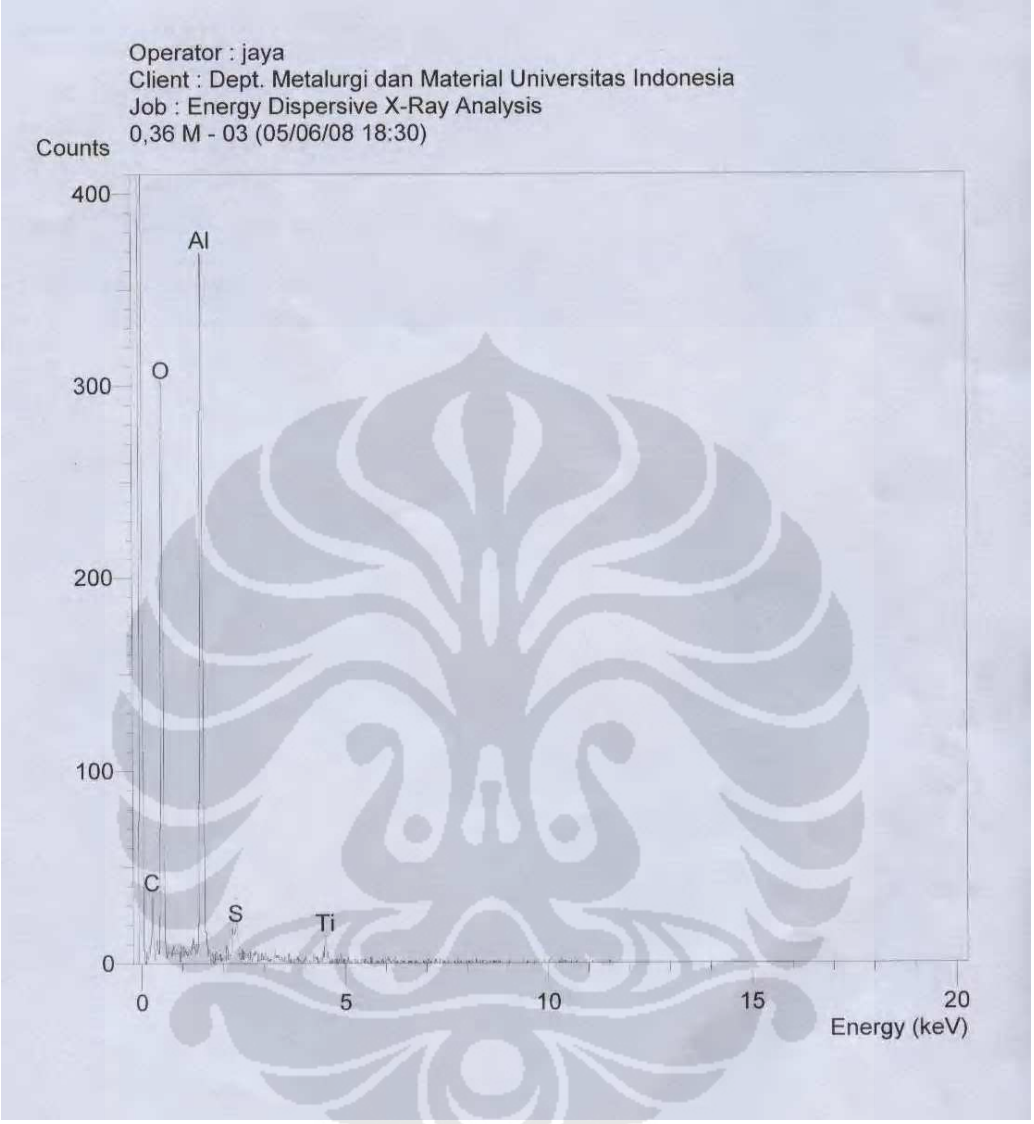
Lampiran 5. Kurva EDX sample hasil percobaan dengan penambahan 0,36 M Asam Sulfat (Bagian *Base Metal*)



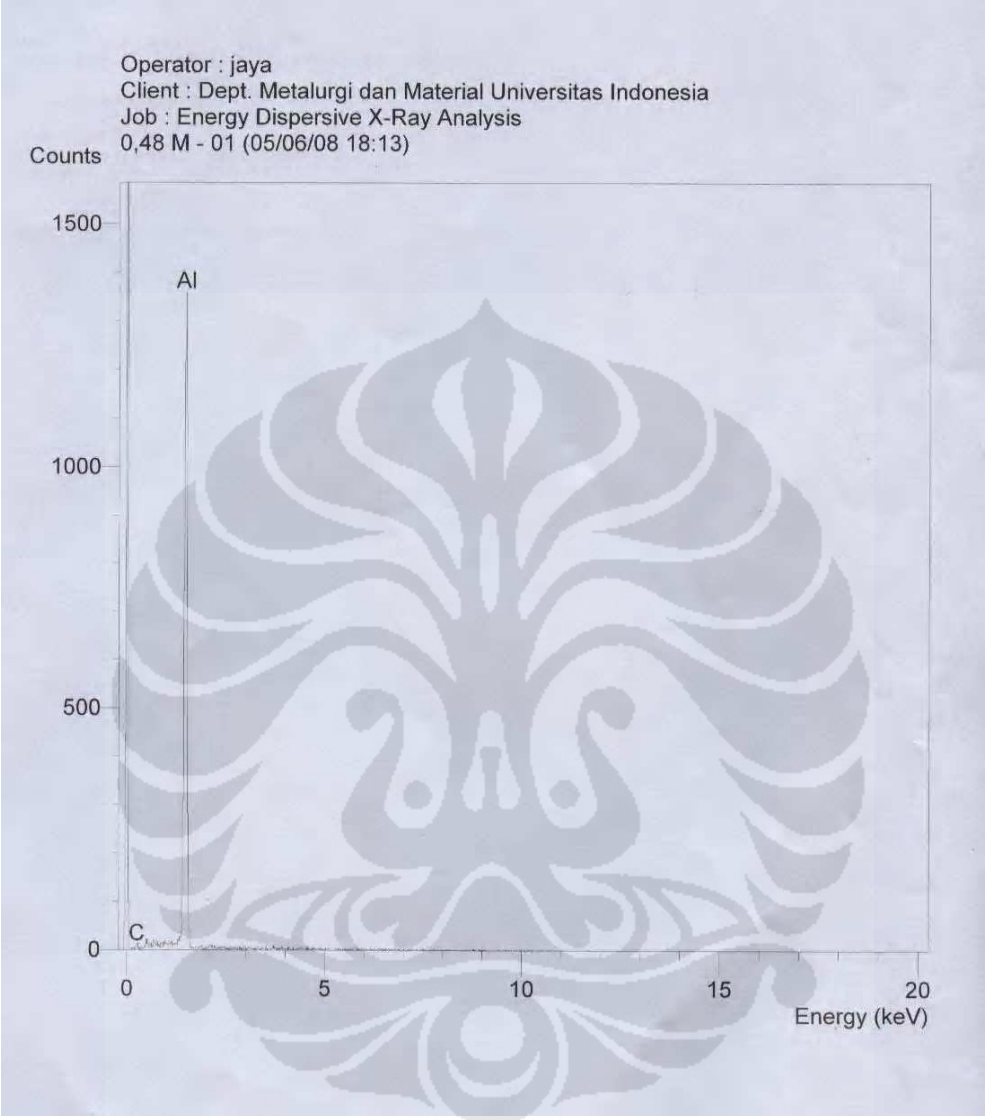
Lampiran 6. Kurva EDX sample hasil percobaan dengan penambahan 0,36 M Asam Sulfat (Bagian Lapisan Oksida I)



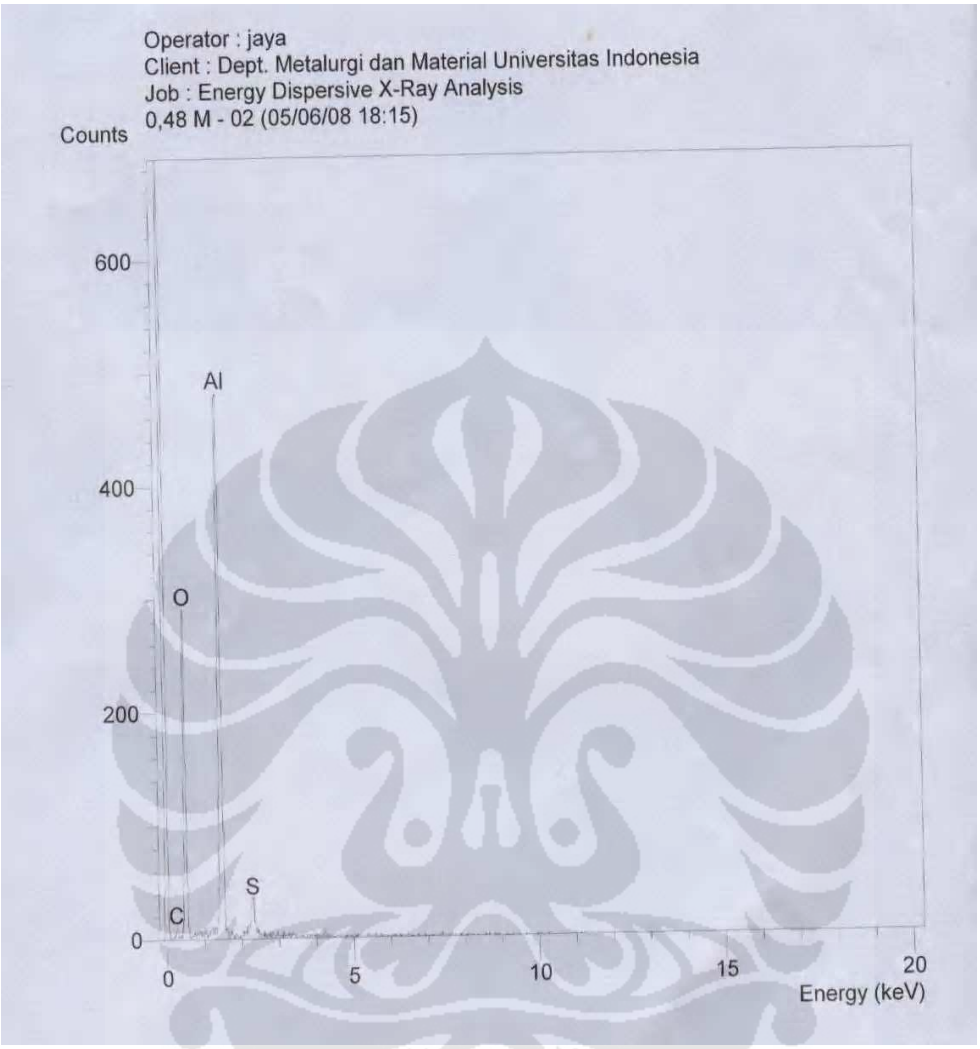
Lampiran 7. Kurva EDX sample hasil percobaan dengan penambahan 0,36 M Asam Sulfat (Bagian Lapisan Oksida II)



Lampiran 8. Kurva EDX sample hasil percobaan dengan penambahan 0,48 M Asam Sulfat (Bagian *Base Metal*)



Lampiran 9. Kurva EDX sample hasil percobaan dengan penambahan 0,48 M Asam Sulfat (Bagian Lapisan Oksida)



Lampiran 10. Komposisi Hasil EDX sample hasil percobaan dengan penambahan 0,12 M Asam Sulfat (Bagian Lapisan Oksida)

```
SEMQuant results. Listed at 19:41:16 on 06/06/08
Operator: jaya
Client: Dept. Metalurgi dan Material Universitas Indonesia
Job: Energy Dispersive X-Ray Analysis
Spectrum label: 0,12 M - 02

System resolution =  59 eV

Quantitative method: ZAF ( 2 iterations).
 Analysed all elements and normalised results.

 2 peaks possibly omitted: -0.02, 2.14 keV

Standards :
 C  K      Carbon Low 13/09/06
 O  K      AL2O3 22/03/06
 Al K      CeAl2 03/03/07


Elmt   Spect.  Element  Atomic
       Type      %        %
C  K    ED      1.14     2.47
O  K    ED      2.37     3.88
Al K    ED     96.49    93.65
Total         100.00   100.00

* = <2 Sigma
```

Lampiran 11. Komposisi Hasil EDX sample hasil percobaan dengan penambahan 0,12 M Asam Sulfat (Bagian *Base Metal*)

SEMQuant results. Listed at 19:38:40 on 06/06/08
Operator: jaya
Client: Dept. Metalurgi dan Material Universitas Indonesia
Job: Energy Dispersive X-Ray Analysis
Spectrum label: 0,12 M - 01

System resolution = 59 eV

Quantitative method: ZAF (3 iterations).
Analysed all elements and normalised results.

2 peaks possibly omitted: -0.02, 2.30 keV

Standards :
C K Carbon Low 13/09/06
O K AL2O3 22/03/06
Al K CeAl2 03/03/07

Elmt	Spect. Type	Element %	Atomic %
C K	ED	1.24	2.13
O K	ED	42.36	54.69
Al K	ED	56.40	43.18
Total		100.00	100.00

* = <2 Sigma

Lampiran 12. Komposisi Hasil EDX sample hasil percobaan dengan penambahan 0,24 M Asam Sulfat (Bagian Lapisan Oksida)

SEMQuant results. Listed at 20:01:07 on 06/06/08
Operator: jaya
Client: Dept. Metalurgi dan Material Universitas Indonesia
Job: Energy Dispersive X-Ray Analysis
Spectrum label: 0,24 M - 1

System resolution = 61 eV

Quantitative method: ZAF (3 iterations).
Analysed all elements and normalised results.

5 peaks possibly omitted: -0.02, 2.82, 3.32, 3.70, 4.50 keV

Standards :
C K Carbon Low 13/09/06
O K AL2O3 22/03/06
Al K CeAl2 03/03/07
S K FeS2 22/03/06

Elmt	Spect. Type	Element %	Atomic %
C K	ED	1.86	3.18
O K	ED	43.75	56.09
Al K	ED	49.24	37.44
S K	ED	5.15	3.29
Total		100.00	100.00

* = <2 Sigma

Lampiran 13. Komposisi Hasil EDX sample hasil percobaan dengan penambahan 0,24 M Asam Sulfat (Bagian *Base Metal*)

SEMQuant results. Listed at 20:04:04 on 06/06/08
Operator: jaya
Client: Dept. Metalurgi dan Material Universitas Indonesia
Job: Energy Dispersive X-Ray Analysis
Spectrum label: 0,24 M - 2

System resolution = 59 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: -0.02 keV

Standards :
C K Carbon Low 13/09/06
O K AL2O3 22/03/06
Al K CeAl2 03/03/07

Elmt	Spect. Type	Element %	Atomic %
C K	ED	1.47	3.17
O K	ED	3.33	5.39
Al K	ED	95.20	91.44
Total		100.00	100.00

* = <2 Sigma

Lampiran 14. Komposisi Hasil EDX sample hasil percobaan dengan penambahan 0,36 M Asam Sulfat (Bagian *Base Metal*)

SEMQuant results. Listed at 18:39:17 on 05/06/08
Operator: jaya
Client: Dept. Metalurgi dan Material Universitas Indonesia
Job: Energy Dispersive X-Ray Analysis
Spectrum label: 0,36 M - 01

System resolution = 59 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: -0.02 keV

Standards :
C K Carbon Low 13/09/06
Al K CeAl2 03/03/07

Elmt	Spect. Type	Element %	Atomic %
C K	ED	32.99	52.52
Al K	ED	67.01	47.48
Total		100.00	100.00

* = <2 Sigma

Lampiran 15. Komposisi Hasil EDX sample hasil percobaan dengan penambahan 0,36 M Asam Sulfat (Bagian Lapisan Oksida I)

SEMQuant results. Listed at 18:35:32 on 05/06/08
Operator: jaya
Client: Dept. Metalurgi dan Material Universitas Indonesia
Job: Energy Dispersive X-Ray Analysis
Spectrum label: 0,36 M - 02

System resolution = 61 eV

Quantitative method: ZAF (3 iterations).
Analysed all elements and normalised results.

Standards :

C	K	Carbon Low 13/09/06
O	K	AL2O3 22/03/06
Al	K	CeAl2 03/03/07
S	K	FeS2 22/03/06

Elmt	Spect. Type	Element %	Atomic %
C K	ED	10.34	16.56
O K	ED	41.08	49.40
Al K	ED	43.28	30.86
S K	ED	5.30	3.18
Total		100.00	100.00

* = <2 Sigma

Lampiran 16. Komposisi Hasil EDX sample hasil percobaan dengan penambahan 0,36 M Asam Sulfat (Bagian Lapisan Oksida II)

SEMQuant results. Listed at 18:34:03 on 05/06/08
Operator: jaya
Client: Dept. Metalurgi dan Material Universitas Indonesia
Job: Energy Dispersive X-Ray Analysis
Spectrum label: 0,36 M - 03

System resolution = 61 eV

Quantitative method: ZAF (3 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: -0.02 keV

Standards :
C K Carbon Low 13/09/06
O K AL2O3 22/03/06
Al K CeAl2 03/03/07
S K FeS2 22/03/06
Ti K Titanium Oxide 19/05/06

Elmt	Spect. Type	Element %	Atomic %
C K	ED	11.14	17.48
O K	ED	47.23	55.61
Al K	ED	32.55	22.72
S K	ED	3.17	1.86
Ti K	ED	5.91	2.33
Total		100.00	100.00

* = <2 Sigma

Lampiran 17. Komposisi Hasil EDX sample hasil percobaan dengan penambahan 0,48 M Asam Sulfat (Bagian *Base Metal*)

SEMQuant results. Listed at 18:15:31 on 05/06/08
Operator: jaya
Client: Dept. Metalurgi dan Material Universitas Indonesia
Job: Energy Dispersive X-Ray Analysis
Spectrum label: 0,48 M - 01

System resolution = 59 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: -0.02 keV

Standards :
C K Carbon Low 13/09/06
Al K CeAl2 03/03/07

Elmt	Spect. Type	Element %	Atomic %
C K	ED	13.36	25.72
Al K	ED	86.64	74.28
Total		100.00	100.00

* = <2 Sigma

Lampiran 18. Komposisi Hasil EDX sample hasil percobaan dengan penambahan 0,48 M Asam Sulfat (Bagian Lapisan Oksida)

SEMQuant results. Listed at 18:17:08 on 05/06/08
Operator: jaya
Client: Dept. Metalurgi dan Material Universitas Indonesia
Job: Energy Dispersive X-Ray Analysis
Spectrum label: 0,48 M - 02

System resolution = 61 eV

Quantitative method: ZAF (3 iterations).
Analysed all elements and normalised results.

Standards :

C	K	Carbon Low 13/09/06
O	K	AL2O3 22/03/06
Al	K	CeAl2 03/03/07
S	K	FeS2 22/03/06

Elmt	Spect. Type	Element %	Atomic %
C K	ED	9.70	15.64
O K	ED	40.83	49.44
Al K	ED	44.18	31.72
S K	ED	5.30	3.20
Total		100.00	100.00

* = <2 Sigma