



## LAMPIRAN C

	Konsentrasi (c)	Massa atom (M)	cM
Fe	0.73	55.845	40.76685
Al	0.05	26.98	1.349
Ga	0.02	69.723	1.39446
P	0.08	30.97	2.4776
C	0.05	12.011	0.60055
B	0.04	9.01	0.3604
Si	0.03	28.08	0.8424
$\Sigma$	1		47.79126

Massa sampel = 1 gram

$$\text{mol sampel} = \frac{m_{\text{sampel}}}{\sum_i c_i M_i} = \frac{1}{47,79126} = 0,020924 \text{ mol}$$

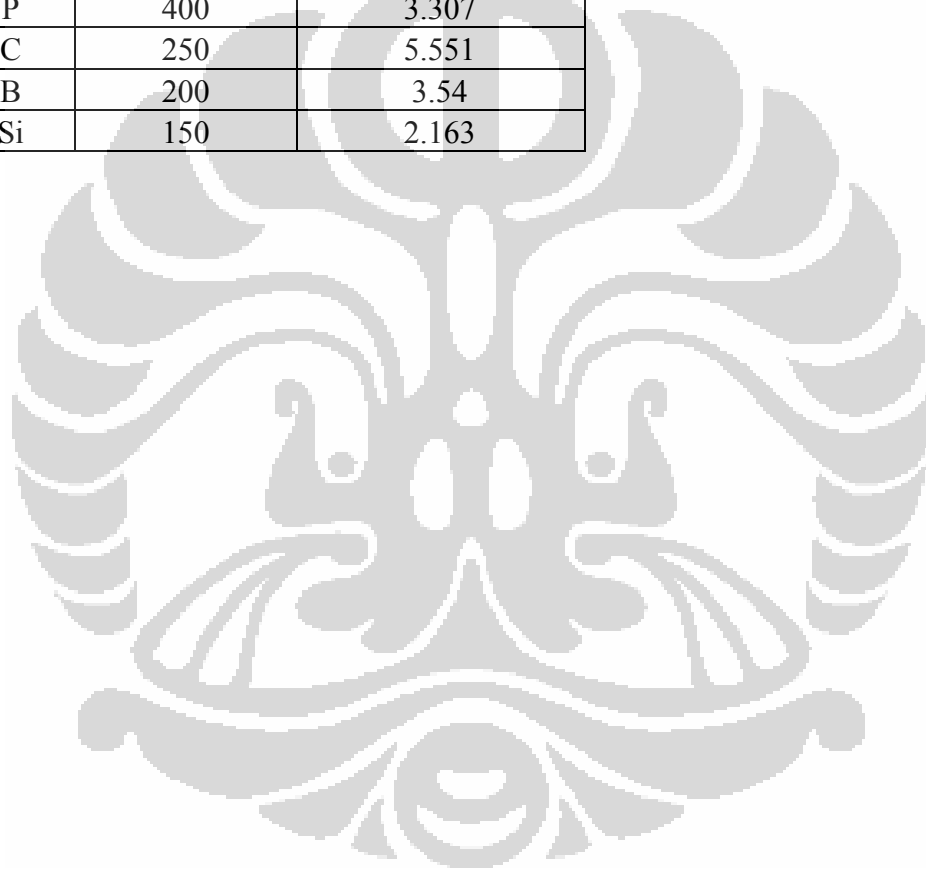
$$\text{jumlah atom sampel} = \text{mol} \times N_A = 0,125964 \times 10^{23} \text{ atom}$$

$$\text{Volume sampel} = 0,4 \text{ cm}^3 = 0,4 \times 10^{24} \text{ \AA}^3$$

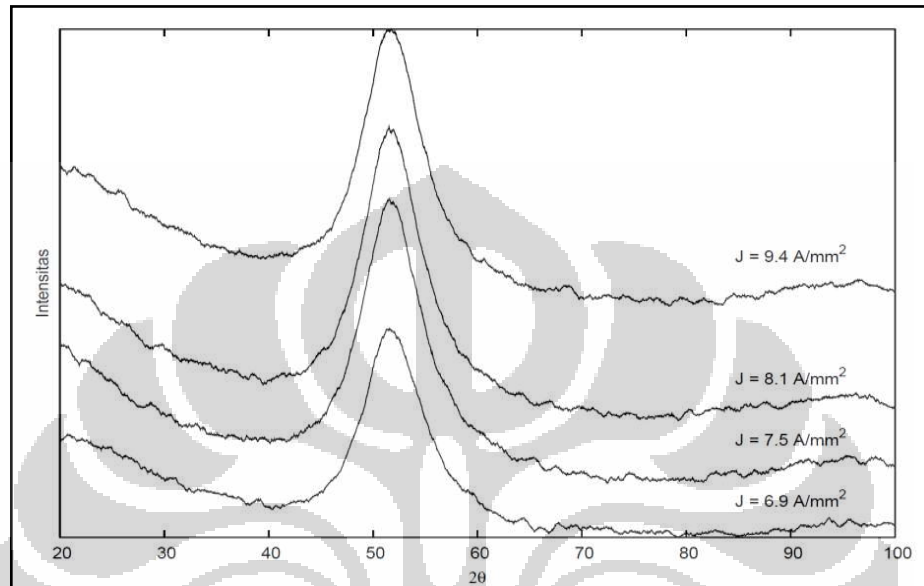
$$\rho_{\text{sampel}} = \frac{\text{jumlah atom sampel}}{\text{volume sampel}} = 0,0315 \text{ atom/ \AA}^3$$

## LAMPIRAN D

	Jumlah Atom	Panjang Hamburan
Fe	3650	11.22
Al	250	1.495
Ga	100	6.675
P	400	3.307
C	250	5.551
B	200	3.54
Si	150	2.163



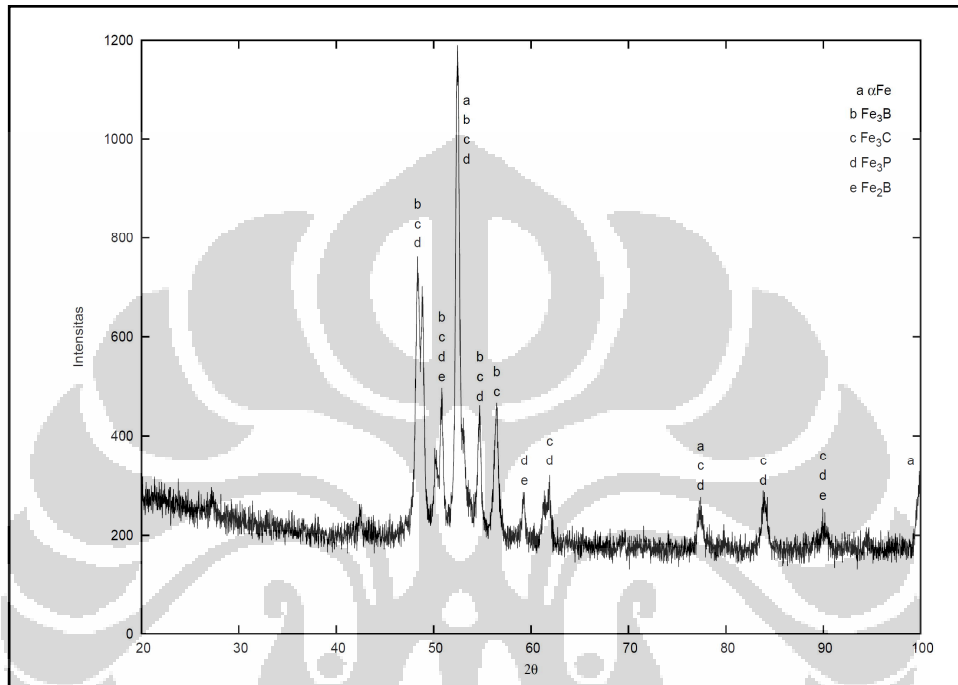
## LAMPIRAN A



Gambar A1 Hasil difraksi sinar-x material amorph  $\text{Fe}_{73}\text{Al}_5\text{Ga}_2\text{P}_8\text{C}_5\text{B}_4\text{Si}_3$  yang dianil dengan rapat arus 6,9; 7,5; 8,1 dan 9,4  $\text{A/mm}^2$

Sumber : Mustain, 44

## LAMPIRAN B



Gambar B1 Hasil difraksi sinar-x material amorph  $\text{Fe}_{73}\text{Al}_5\text{Ga}_2\text{P}_8\text{C}_5\text{B}_4\text{Si}_3$  yang dianiil dengan rapat arus  $15,6 \text{ A/mm}^2$   
Sumber : Mustain, 46