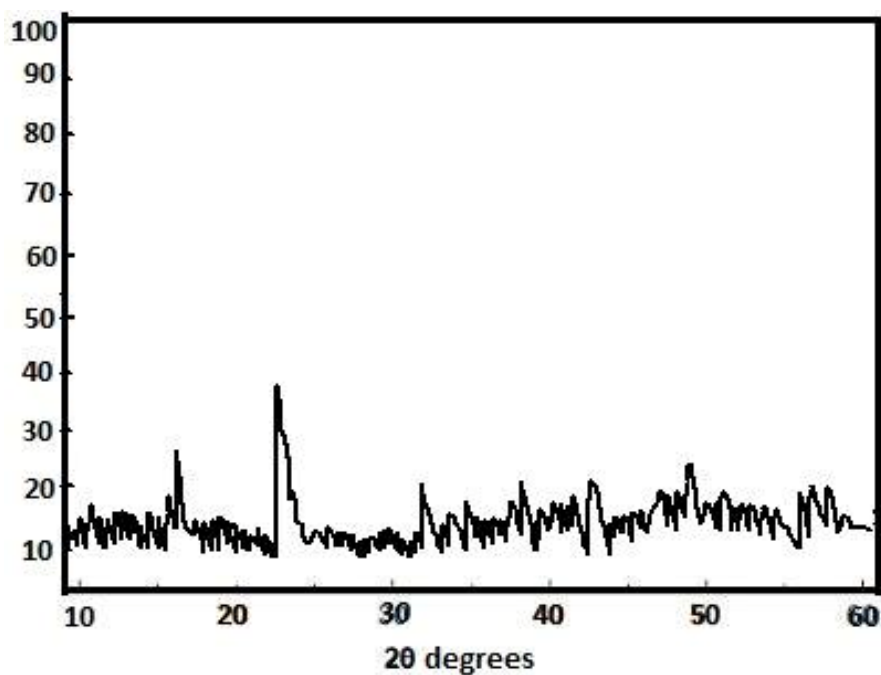


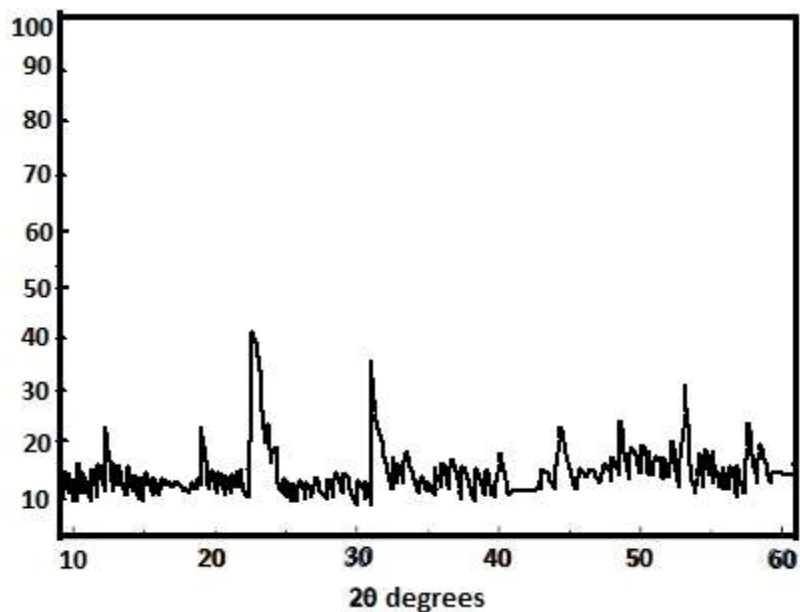
**LAMPIRAN I  
DATA PENGAMATAN**

**Tabel 8. Hasil Analisa XRD (*X-Ray Diffraction*) Waktu Kristalisasi 18 Jam**

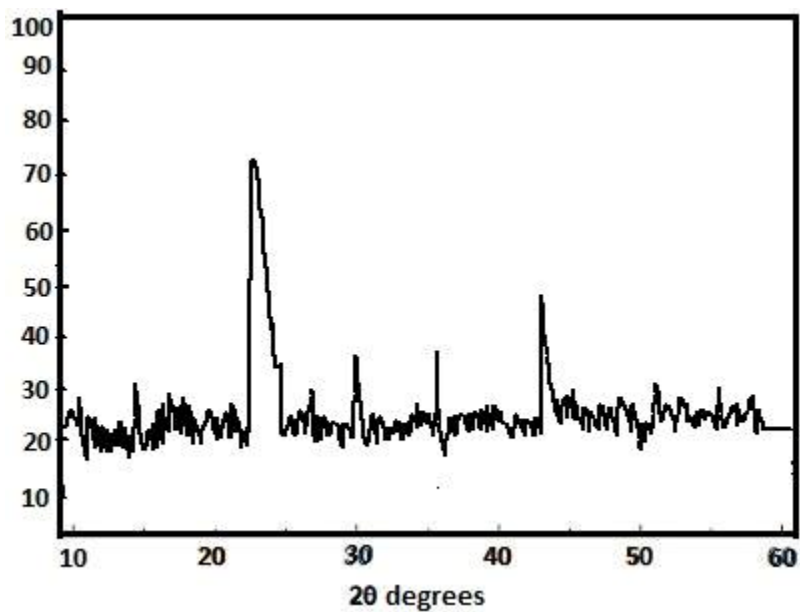
Perbandingan Rasio Mol (t = 18 jam)		Tingkat Kristalinitas (%)
SiO <sub>2</sub> (Mol)	Al <sub>2</sub> O <sub>3</sub> (Mol)	
30	1	39,8
35	1	40,05
40	1	40,2
45	1	56,8
50	1	73,5



(a)



(b)

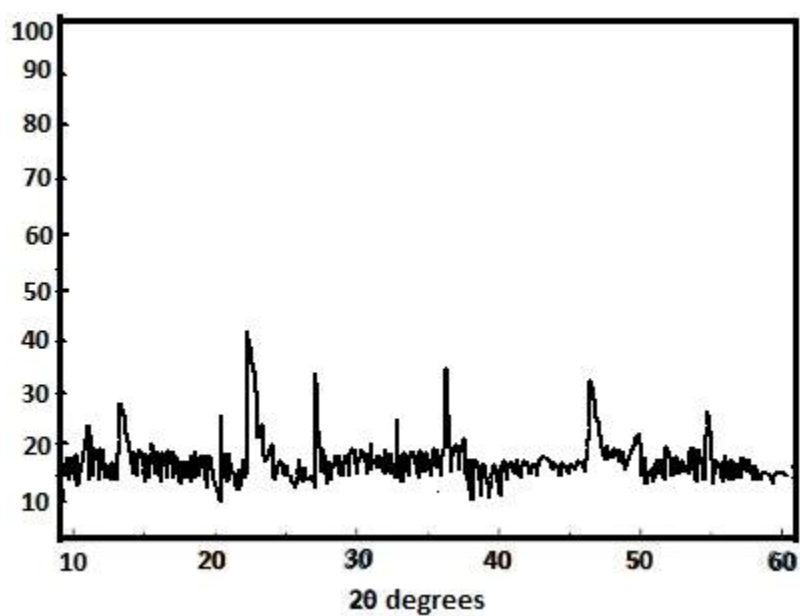


(c)

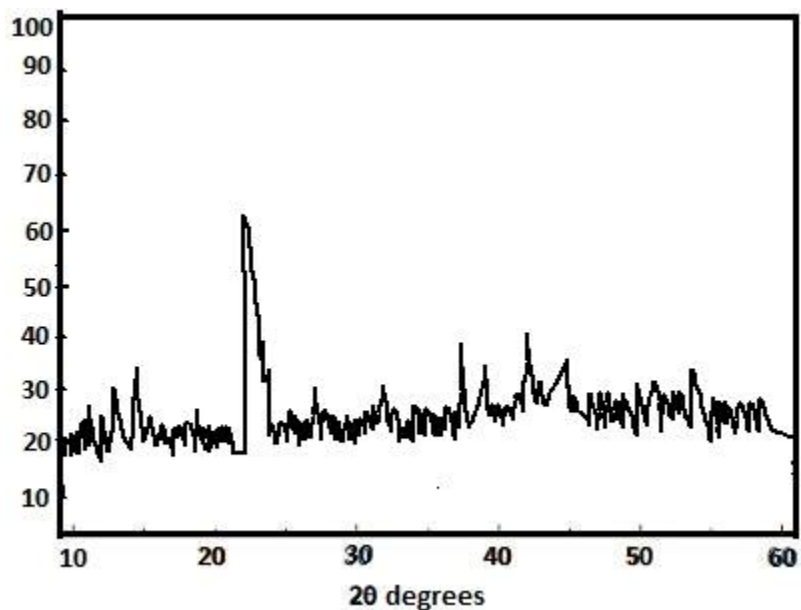
Gambar 13. Spektrum XRD (a)  $\text{SiO}_2/\text{Al}_2\text{O}_3 = 30$ ; (b)  $\text{SiO}_2/\text{Al}_2\text{O}_3 = 40$ ; (c)  $\text{SiO}_2/\text{Al}_2\text{O}_3 = 50$  pada Temperatur  $200^\circ\text{C}$  selama 18 jam

**Tabel 9. Hasil Analisa XRD (*X-Ray Diffraction*) Waktu Kristalisasi 24 Jam**

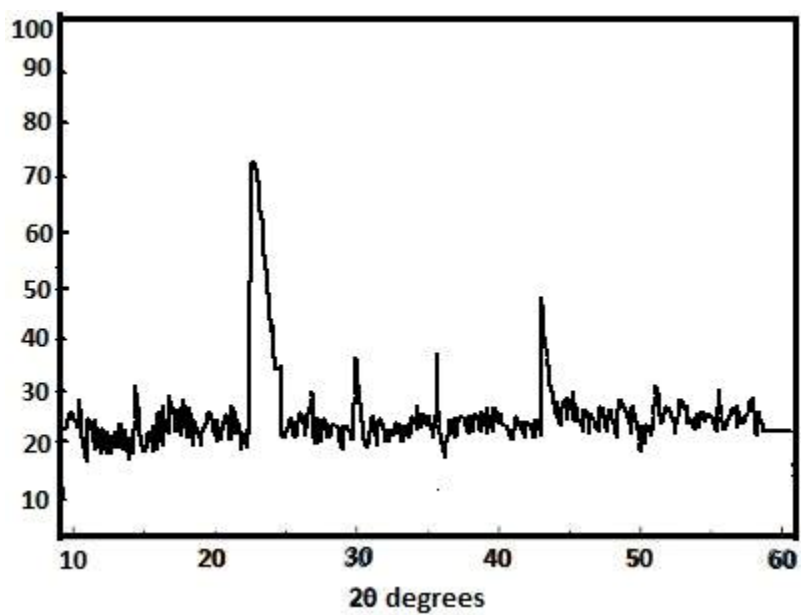
Perbandingan Rasio Mol (t = 24 jam)		Tingkat kristalinitas
SiO <sub>2</sub> (Mol)	Al <sub>2</sub> O <sub>3</sub> (Mol)	(%)
30	1	41
35	1	52,75
40	1	64,5
45	1	69,3
50	1	74



(a)



(b)

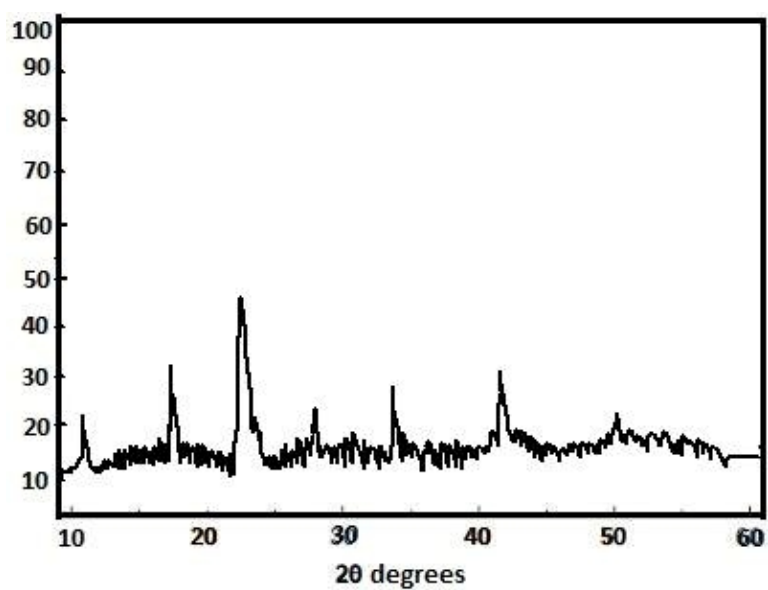


(c)

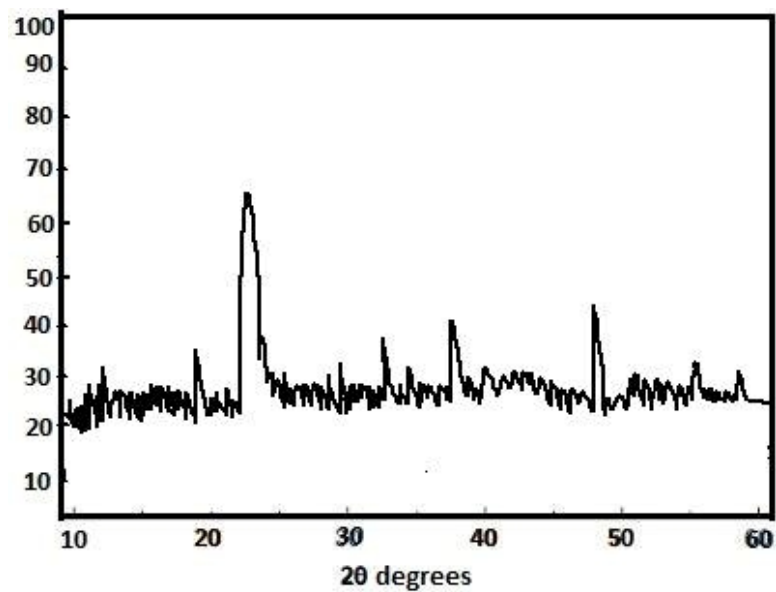
Gambar 14. Spektrum XRD (a)  $\text{SiO}_2/\text{Al}_2\text{O}_3 = 30$ ; (b)  $\text{SiO}_2/\text{Al}_2\text{O}_3 = 40$ ; (c)  $\text{SiO}_2/\text{Al}_2\text{O}_3 = 50$  pada Temperatur  $200^\circ\text{C}$  selama 24 jam

**Tabel 10. Hasil Analisa XRD (*X-Ray Diffraction*) Waktu Kristalisasi 30 Jam**

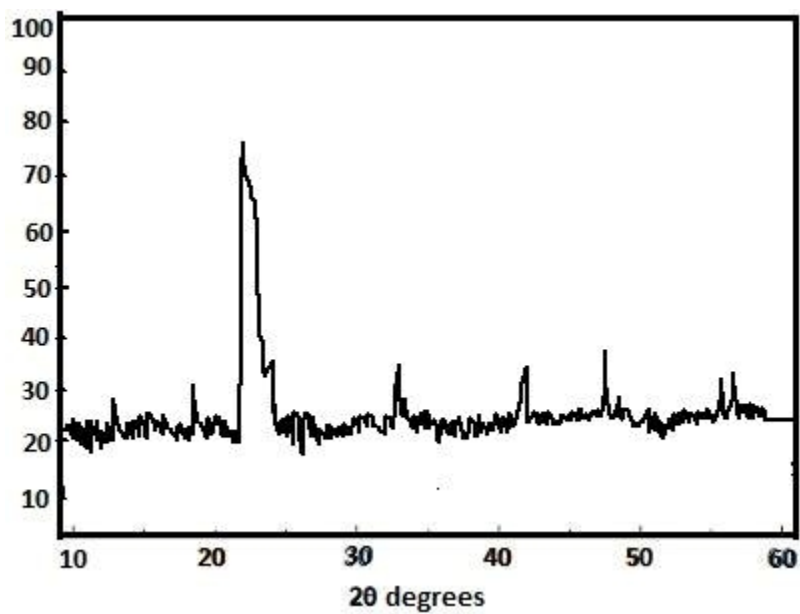
Perbandingan Rasio Mol (t = 30 jam)		Tingkat Kristalinitas
SiO <sub>2</sub> (Mol)	Al <sub>2</sub> O <sub>3</sub> (Mol)	(%)
30	1	48
35	1	57,5
40	1	68
45	1	72,7
50	1	78



(a)



(b)



(c)

Gambar 15. Spektrum XRD (a)  $\text{SiO}_2/\text{Al}_2\text{O}_3 = 30$ ; (b)  $\text{SiO}_2/\text{Al}_2\text{O}_3 = 40$ ; (c)  $\text{SiO}_2/\text{Al}_2\text{O}_3 = 50$  pada Temperatur  $200^\circ\text{C}$  selama 30 jam