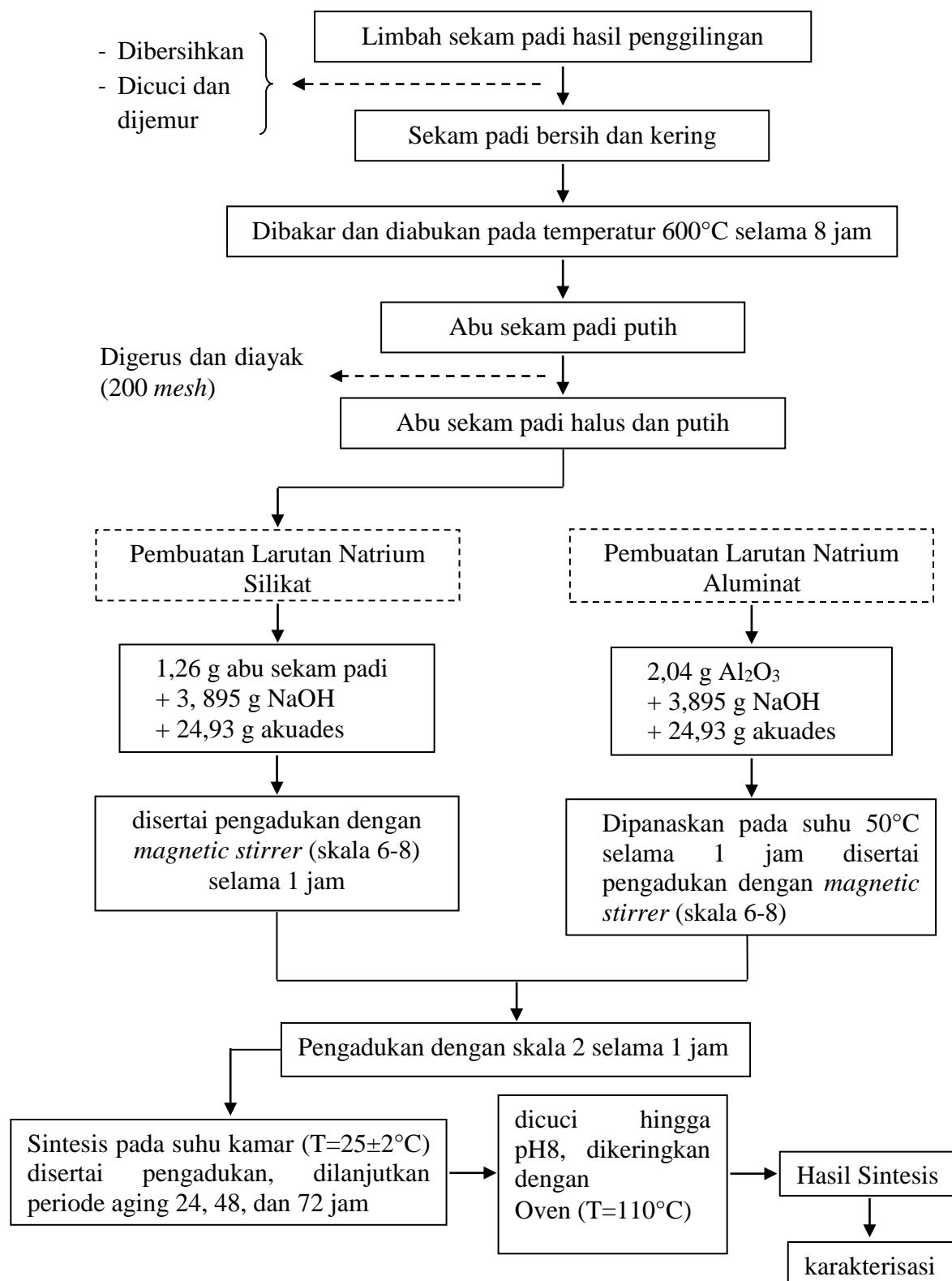


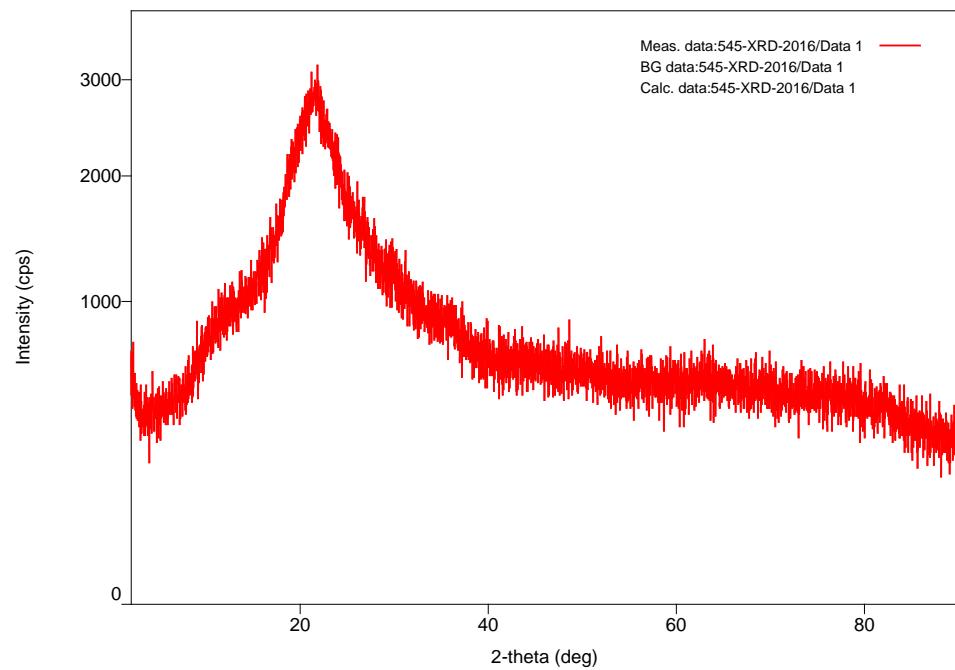
Lampiran 1.

**Diagram Kerja**



Lampiran 2.

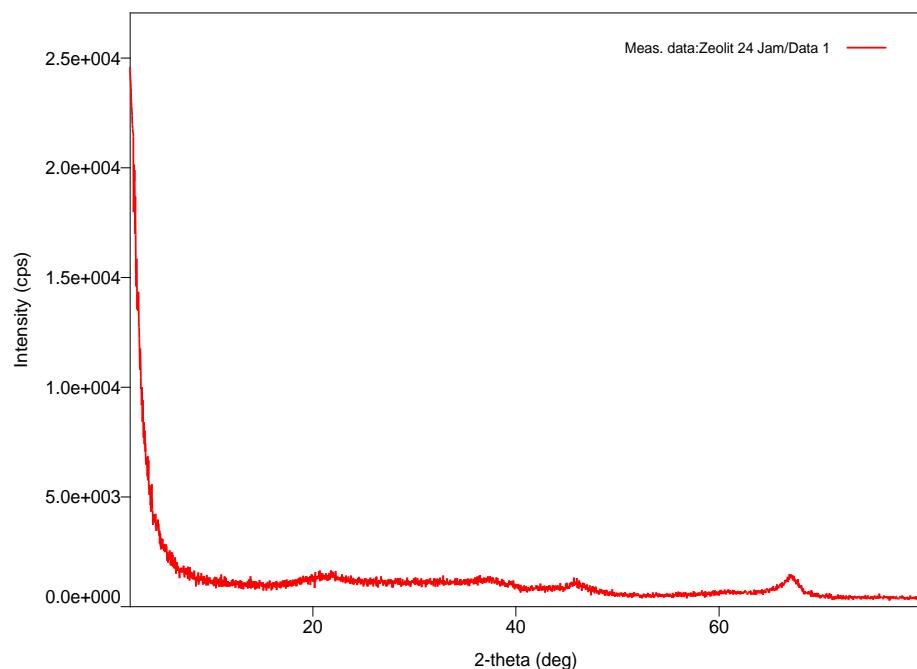
**Difraktogram Abu Sekam Padi**



| No. | 2-theta<br>(deg) | d (ang.)  | Height<br>(cps) | FWHM<br>(deg) | Int. I<br>(cps deg) | Int. W<br>(deg) | Asym. factor |
|-----|------------------|-----------|-----------------|---------------|---------------------|-----------------|--------------|
| 1   | 21.16(6)         | 4.194(12) | 1587(115)       | 8.69(13)      | 26511(386)          | 16.7(1)         | 0.75(3)      |

Lampiran 3.

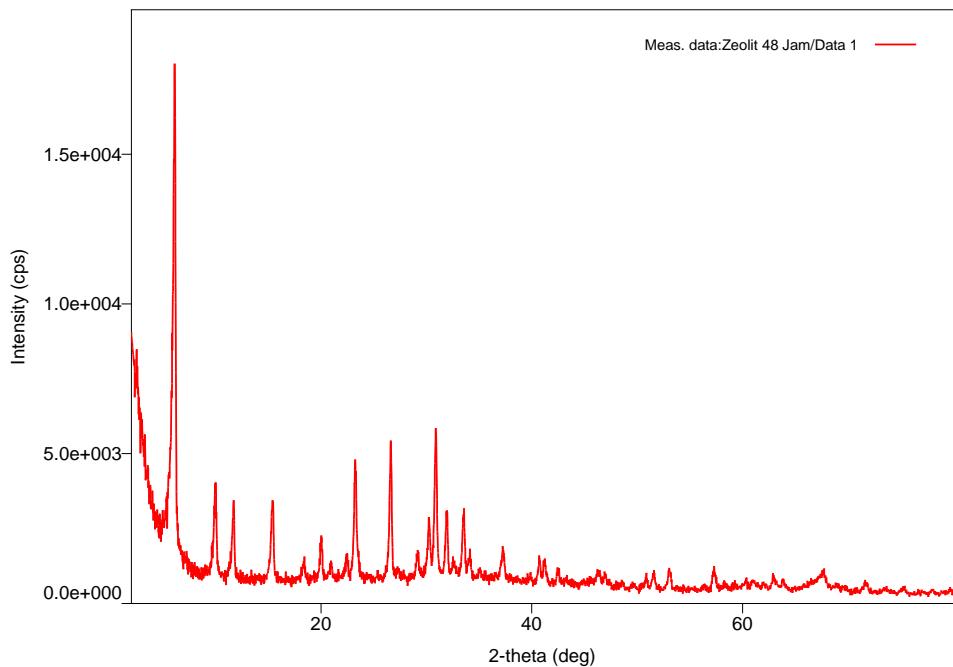
**Difraktogram Serbuk Hasil Sintesis dengan Waktu Aging 24 Jam**



| No. | 2-theta(deg) | d(ang.)    | Height<br>(cps) | FWHM(deg) | Int. I<br>(cps deg) | Int. W(deg) | Asym.<br>factor |
|-----|--------------|------------|-----------------|-----------|---------------------|-------------|-----------------|
| 1   | 45.84(15)    | 1.978(6)   | 224(43)         | 2.06(17)  | 622(39)             | 2.8(7)      | 0.7(2)          |
| 2   | 67.23(7)     | 1.3913(13) | 426(60)         | 3.71(12)  | 2912(50)            | 6.8(11)     | 2.8(3)          |

Lampiran 4.

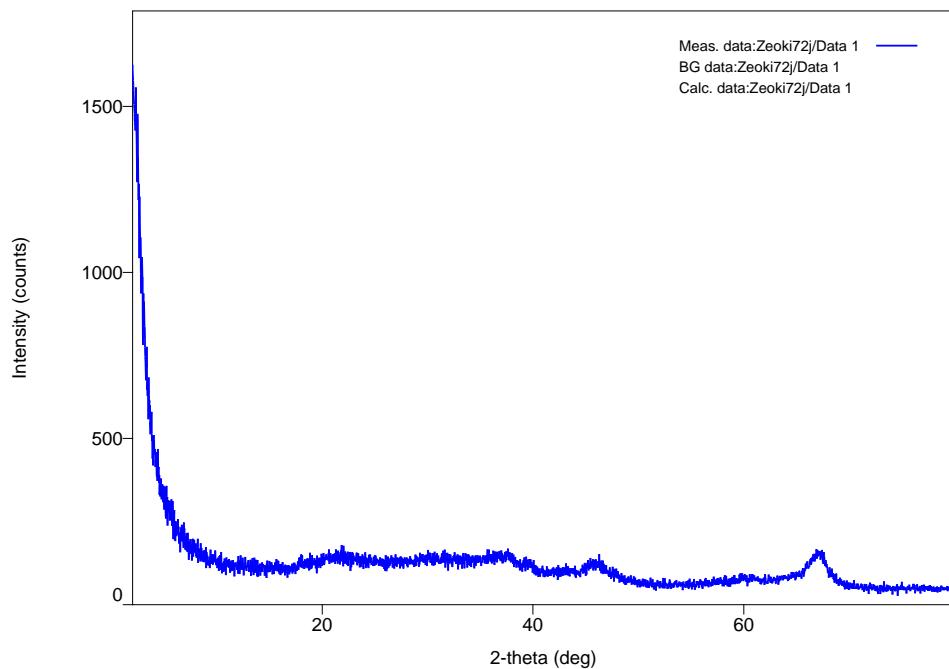
**Difraktogram Serbuk Hasil Sintesis dengan Waktu Aging 48 Jam**



| No. | 2-theta<br>(deg) | D (ang.)   | Height<br>(cps) | FWHM(de<br>g) | Int. I<br>(cps deg) | Int.<br>W(deg) | Asym.<br>factor |
|-----|------------------|------------|-----------------|---------------|---------------------|----------------|-----------------|
| 1   | 6.133(7)         | 14.400(17) | 11359(308)      | 0.261(11)     | 5054(69)            | 0.445(18)      | 2.0(3)          |
| 2   | 10.011(13)       | 8.829(11)  | 1806(123)       | 0.303(11)     | 605(26)             | 0.34(4)        | 2.2(4)          |
| 3   | 11.741(13)       | 7.531(8)   | 1534(113)       | 0.253(11)     | 443(21)             | 0.29(3)        | 3.2(8)          |
| 4   | 15.435(13)       | 5.736(5)   | 1811(123)       | 0.280(12)     | 702(18)             | 0.39(4)        | 2.5(7)          |
| 5   | 20.06(3)         | 4.424(6)   | 814(82)         | 0.24(2)       | 215(23)             | 0.26(5)        | 2.4(14)         |
| 6   | 20.95(2)         | 4.237(4)   | 326(52)         | 0.16(3)       | 77(11)              | 0.23(7)        | 0.6(3)          |
| 7   | 22.49(3)         | 3.950(6)   | 465(62)         | 0.26(4)       | 145(16)             | 0.31(8)        | 4(5)            |
| 8   | 23.279(9)        | 3.8180(15) | 2640(148)       | 0.249(13)     | 934(22)             | 0.35(3)        | 2.0(5)          |
| 9   | 26.638(11)       | 3.3437(13) | 3096(161)       | 0.228(9)      | 913(18)             | 0.29(2)        | 2.5(6)          |
| 10  | 29.16(4)         | 3.060(4)   | 490(64)         | 0.24(3)       | 127(16)             | 0.26(7)        | 1.4(8)          |
| 11  | 30.270(14)       | 2.9503(13) | 1162(98)        | 0.267(15)     | 392(15)             | 0.34(4)        | 2.1(5)          |
| 12  | 30.917(7)        | 2.8900(7)  | 3383(168)       | 0.226(8)      | 946(23)             | 0.28(2)        | 2.9(6)          |
| 13  | 31.928(18)       | 2.8008(16) | 1384(107)       | 0.224(14)     | 344(19)             | 0.25(3)        | 1.8(6)          |
| 14  | 33.534(17)       | 2.6702(13) | 1411(108)       | 0.242(14)     | 387(15)             | 0.27(3)        | 1.6(4)          |
| 15  | 34.117(12)       | 2.6259(9)  | 402(58)         | 0.26(4)       | 119(12)             | 0.30(7)        | 2.2(16)         |
| 16  | 37.28(3)         | 2.410(2)   | 649(74)         | 0.33(3)       | 256(16)             | 0.39(7)        | 2.1(11)         |
| 17  | 40.71(5)         | 2.215(3)   | 525(66)         | 0.24(4)       | 141(15)             | 0.27(6)        | 1.2(9)          |
| 18  | 41.16(5)         | 2.191(2)   | 491(64)         | 0.27(4)       | 148(16)             | 0.30(7)        | 0.6(5)          |
| 19  | 46.18(9)         | 1.964(4)   | 195(40)         | 0.92(13)      | 220(27)             | 1.1(4)         | 0.2(2)          |
| 20  | 51.58(6)         | 1.770(2)   | 302(50)         | 0.44(9)       | 251(20)             | 0.8(2)         | 3(2)            |
| 21  | 53.025(18)       | 1.7256(6)  | 600(71)         | 0.21(3)       | 188(9)              | 0.31(5)        | 1.0(4)          |
| 22  | 57.23(4)         | 1.6084(11) | 471(63)         | 0.27(3)       | 137(14)             | 0.29(7)        | 0.8(5)          |

Lampiran 5.

**Difraktogram Serbuk Hasil Sintesis dengan Waktu Aging 72 Jam**



| No. | 2-theta(deg) | d(ang.)    | Height(cps) | FWHM(deg) | Int.l(cps deg) | Int. W(deg) | Asym. factor |
|-----|--------------|------------|-------------|-----------|----------------|-------------|--------------|
| 1   | 20.5(6)      | 4.32(12)   | 45(7)       | 8.9(5)    | 448(39)        | 10(2)       | 1.2(3)       |
| 2   | 46.01(18)    | 1.971(7)   | 20(4)       | 2.03(16)  | 43(5)          | 2.2(7)      | 0.9(3)       |
| 3   | 67.12(8)     | 1.3934(15) | 48(7)       | 3.33(13)  | 282(6)         | 5.9(10)     | 2.1(3)       |

## Lampiran 6.

### Data Standar Analisis XRD

PDF Card No. : 01-073-9586 Quality:B

|                    |   |              |            |               |                  |               |     |        |         |           |    |   |    |
|--------------------|---|--------------|------------|---------------|------------------|---------------|-----|--------|---------|-----------|----|---|----|
| Sub-File Name:     | Inorganic, Zeolite, ICSD Pattern  |              |            |               |                  |               |     |        |         |           |    |   |    |
| Formula:           | Na88 ( Al88 Si104 0386 ) ( H2 O )194.54   |              |            |               |                  |               |     |        |         |           |    |   |    |
| Name:              | Zeolite X (Na), Sodium tecto-alumosilicate hydrate  |              |            |               |                  |               |     |        |         |           |    |   |    |
| Crystal System:    | Cubic   | Space Group: | Fd-3(203)  | Dmeas:        | I/Ic (RIR)= 7.20 |               |     |        |         |           |    |   |    |
| Cell Parameters:   | a= 25.0310  | b= 25.0310   | c= 25.0310 | Alpha= 90.000 | Beta= 90.000     | Gamma= 90.000 |     |        |         |           |    |   |    |
|                    | Volume= 15683.197   | Z= 1         |            |               |                  |               |     |        |         |           |    |   |    |
| Reference:         | Calestani, G., Bacca, G., Andreotti, G.D. Zeolites7(1987)54.  |              |            |               |                  |               |     |        |         |           |    |   |    |
| Radiation:         | CuKalpha1   | Wavelength=  | 1.54060    |               |                  |               |     |        |         |           |    |   |    |
| 2Theta range:      | 6.11 - 74.51  |              |            |               |                  |               |     |        |         |           |    |   |    |
| Database comments: | Analysis: H389.08 Al88 Na88 0580.54 Si104. Formula from original source: Na88 (Al88 Si104 0386) (H2 O)194.54. ICSD Collection Code: 65500. Test from external database: Deviation of the charge sum from zero tolerable. Minor Warning: Minor test comments from ICSD exist. Significant Warning: Density calculated using chemical formula and reported structure differ by 8.2824%. Reported displacement parameters on non H atoms are outside the range 0.001<U<0.1. Ueq=0.012 used in the calculation. Wyckoff Sequence: |              |            |               |                  |               |     |        |         |           |    |   |    |
| Relative Intensity |   |              |            |               |                  |               |     |        |         |           |    |   |    |
| No.                | 2Theta  | d-Value      | Intensity  | h             | k                | l             | No. | 2Theta | d-Value | Intensity | h  | k | l  |
| 1                  | 6.11  | 14.452       | 100.0      | 1             | 1                | 1             | 21  | 29.40  | 3.035   | 0.2       | 6  | 4 | 4  |
| 2                  | 9.99  | 8.850        | 19.8       | 2             | 2                | 0             | 22  | 30.27  | 2.950   | 3.4       | 8  | 2 | 2  |
| 3                  | 11.72   | 7.547        | 6.5        | 3             | 1                | 1             | 23  | 30.91  | 2.890   | 7.9       | 1  | 5 | 7  |
| 4                  | 12.24   | 7.226        | 0.1        | 2             | 2                | 2             | 24  | 31.95  | 2.799   | 4.2       | 0  | 4 | 8  |
| 5                  | 14.14   | 6.258        | 0.2        | 4             | 0                | 0             | 25  | 32.56  | 2.748   | 1.1       | 3  | 5 | 7  |
| 6                  | 15.42   | 5.743        | 8.1        | 3             | 3                | 1             | 26  | 32.76  | 2.731   | 0.3       | 8  | 4 | 2  |
| 7                  | 17.34   | 5.109        | 0.1        | 4             | 2                | 2             | 27  | 33.56  | 2.668   | 3.4       | 6  | 6 | 4  |
| 8                  | 18.40   | 4.817        | 1.0        | 5             | 1                | 1             | 28  | 34.14  | 2.624   | 1.7       | 1  | 3 | 9  |
| 9                  | 20.05   | 4.425        | 3.1        | 4             | 4                | 0             | 29  | 35.10  | 2.555   | 0.5       | 8  | 4 | 4  |
| 10                 | 20.98   | 4.231        | 0.6        | 1             | 3                | 5             | 30  | 35.66  | 2.516   | 0.3       | 9  | 3 | 3  |
| 11                 | 21.28   | 4.172        | 0.1        | 4             | 4                | 2             | 31  | 36.58  | 2.454   | 0.2       | 8  | 6 | 2  |
| 12                 | 22.45   | 3.958        | 1.5        | 0             | 2                | 6             | 32  | 37.12  | 2.420   | 0.2       | 1  | 5 | 9  |
| 13                 | 23.28   | 3.817        | 7.9        | 5             | 3                | 3             | 33  | 37.30  | 2.409   | 2.2       | 6  | 6 | 6  |
| 14                 | 23.56   | 3.774        | 1.0        | 6             | 2                | 2             | 34  | 38.54  | 2.334   | 0.1       | 9  | 5 | 3  |
| 15                 | 24.62   | 3.613        | 0.3        | 4             | 1                | 4             | 35  | 38.71  | 2.324   | 0.4       | 8  | 6 | 4  |
| 16                 | 25.39   | 3.505        | 0.2        | 7             | 1                | 1             | 36  | 39.40  | 2.285   | 0.1       | 2  | 4 | 10 |
| 17                 | 26.63   | 3.345        | 6.6        | 2             | 4                | 6             | 37  | 39.91  | 2.257   | 0.5       | 11 | 1 | 1  |
| 18                 | 27.35   | 3.259        | 0.2        | 5             | 5                | 3             | 38  | 40.75  | 2.212   | 2.0       | 8  | 8 | 0  |
| 19                 | 28.50   | 3.129        | 0.1        | 8             | 0                | 0             | 39  | 41.25  | 2.187   | 1.2       | 1  | 3 | 11 |
| 20                 | 29.18   | 3.058        | 1.2        | 7             | 3                | 3             | 40  | 41.41  | 2.179   | 0.2       | 8  | 8 | 2  |

Note: 2theta are calculated with wavelength = 1.54059

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**PDF Card No. : 01-073-9586 Quality:B**

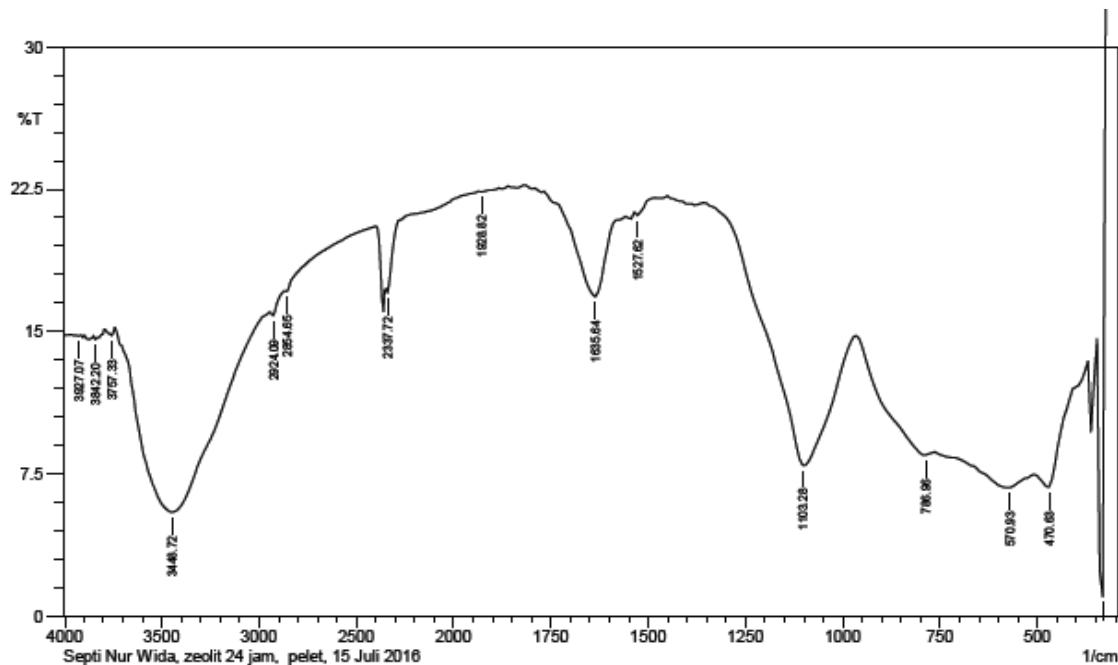
| No. | 2Theta | d-Value | Intensity | h  | k  | l  | No. | 2Theta | d-Value | Intensity | h  | k  | l  |
|-----|--------|---------|-----------|----|----|----|-----|--------|---------|-----------|----|----|----|
| 41  | 42.06  | 2.146   | 0.2       | 0  | 6  | 10 | 101 | 69.61  | 1.350   | 0.3       | 2  | 12 | 14 |
| 42  | 42.55  | 2.123   | 1.0       | 11 | 3  | 3  | 102 | 69.95  | 1.344   | 0.2       | 13 | 13 | 3  |
| 43  | 43.34  | 2.086   | 0.3       | 12 | 0  | 0  | 103 | 70.53  | 1.334   | 0.1       | 12 | 12 | 8  |
| 44  | 43.82  | 2.065   | 0.2       | 1  | 5  | 11 | 104 | 70.88  | 1.329   | 0.3       | 3  | 11 | 15 |
| 45  | 44.59  | 2.030   | 0.1       | 4  | 6  | 10 | 105 | 70.99  | 1.327   | 0.1       | 4  | 12 | 14 |
| 46  | 45.06  | 2.011   | 0.2       | 11 | 5  | 3  | 106 | 71.45  | 1.319   | 0.3       | 0  | 6  | 18 |
| 47  | 45.82  | 1.979   | 0.1       | 12 | 4  | 0  | 107 | 71.79  | 1.314   | 0.9       | 5  | 7  | 17 |
| 48  | 46.27  | 1.961   | 0.4       | 9  | 9  | 1  | 108 | 72.70  | 1.300   | 0.1       | 1  | 3  | 19 |
| 49  | 46.42  | 1.955   | 0.8       | 2  | 4  | 12 | 109 | 73.27  | 1.291   | 0.1       | 18 | 6  | 4  |
| 50  | 47.02  | 1.931   | 0.7       | 2  | 8  | 10 | 110 | 73.61  | 1.286   | 0.3       | 17 | 9  | 3  |
| 51  | 47.46  | 1.914   | 0.1       | 9  | 9  | 3  | 111 | 74.18  | 1.277   | 0.3       | 16 | 8  | 8  |
| 52  | 47.61  | 1.909   | 0.1       | 10 | 6  | 6  | 112 | 74.51  | 1.272   | 0.1       | 15 | 9  | 9  |
| 53  | 48.19  | 1.887   | 0.1       | 12 | 4  | 4  |     |        |         |           |    |    |    |
| 54  | 48.63  | 1.871   | 0.4       | 9  | 7  | 7  |     |        |         |           |    |    |    |
| 55  | 48.77  | 1.866   | 0.1       | 4  | 8  | 10 |     |        |         |           |    |    |    |
| 56  | 49.35  | 1.845   | 0.1       | 12 | 6  | 2  |     |        |         |           |    |    |    |
| 57  | 49.77  | 1.830   | 0.4       | 13 | 3  | 3  |     |        |         |           |    |    |    |
| 58  | 50.48  | 1.806   | 0.2       | 8  | 8  | 8  |     |        |         |           |    |    |    |
| 59  | 50.90  | 1.793   | 1.0       | 5  | 7  | 11 |     |        |         |           |    |    |    |
| 60  | 51.60  | 1.770   | 1.1       | 0  | 2  | 14 |     |        |         |           |    |    |    |
| 61  | 52.01  | 1.757   | 0.1       | 11 | 9  | 1  |     |        |         |           |    |    |    |
| 62  | 52.15  | 1.753   | 0.1       | 14 | 2  | 2  |     |        |         |           |    |    |    |
| 63  | 52.70  | 1.736   | 0.1       | 12 | 8  | 0  |     |        |         |           |    |    |    |
| 64  | 53.10  | 1.723   | 1.6       | 3  | 9  | 11 |     |        |         |           |    |    |    |
| 65  | 53.78  | 1.703   | 0.2       | 12 | 6  | 6  |     |        |         |           |    |    |    |
| 66  | 54.18  | 1.691   | 0.2       | 13 | 5  | 5  |     |        |         |           |    |    |    |
| 67  | 54.85  | 1.672   | 0.2       | 12 | 8  | 4  |     |        |         |           |    |    |    |
| 68  | 55.25  | 1.661   | 0.2       | 3  | 7  | 13 |     |        |         |           |    |    |    |
| 69  | 55.90  | 1.643   | 0.1       | 14 | 6  | 0  |     |        |         |           |    |    |    |
| 70  | 56.30  | 1.633   | 0.1       | 1  | 3  | 15 |     |        |         |           |    |    |    |
| 71  | 56.43  | 1.629   | 0.5       | 2  | 6  | 14 |     |        |         |           |    |    |    |
| 72  | 57.33  | 1.606   | 1.5       | 11 | 11 | 1  |     |        |         |           |    |    |    |
| 73  | 57.46  | 1.602   | 0.4       | 6  | 8  | 12 |     |        |         |           |    |    |    |
| 74  | 57.98  | 1.589   | 0.1       | 14 | 6  | 4  |     |        |         |           |    |    |    |
| 75  | 58.36  | 1.580   | 0.6       | 7  | 9  | 11 |     |        |         |           |    |    |    |
| 76  | 58.99  | 1.564   | 0.2       | 16 | 0  | 0  |     |        |         |           |    |    |    |
| 77  | 59.37  | 1.555   | 0.3       | 15 | 5  | 3  |     |        |         |           |    |    |    |
| 78  | 60.00  | 1.541   | 0.3       | 16 | 2  | 2  |     |        |         |           |    |    |    |
| 79  | 60.38  | 1.532   | 0.8       | 11 | 11 | 5  |     |        |         |           |    |    |    |
| 80  | 61.00  | 1.518   | 0.7       | 0  | 4  | 16 |     |        |         |           |    |    |    |
| 81  | 61.37  | 1.509   | 0.4       | 5  | 9  | 13 |     |        |         |           |    |    |    |
| 82  | 61.99  | 1.496   | 0.5       | 12 | 10 | 6  |     |        |         |           |    |    |    |
| 83  | 62.36  | 1.488   | 0.3       | 11 | 9  | 9  |     |        |         |           |    |    |    |
| 84  | 62.97  | 1.475   | 0.8       | 12 | 12 | 0  |     |        |         |           |    |    |    |
| 85  | 63.33  | 1.467   | 0.5       | 17 | 1  | 1  |     |        |         |           |    |    |    |
| 86  | 63.94  | 1.455   | 0.8       | 14 | 10 | 0  |     |        |         |           |    |    |    |
| 87  | 64.30  | 1.448   | 0.1       | 3  | 11 | 13 |     |        |         |           |    |    |    |
| 88  | 64.42  | 1.445   | 0.1       | 2  | 10 | 14 |     |        |         |           |    |    |    |
| 89  | 64.90  | 1.436   | 0.1       | 12 | 12 | 4  |     |        |         |           |    |    |    |
| 90  | 65.26  | 1.429   | 0.1       | 15 | 9  | 1  |     |        |         |           |    |    |    |
| 91  | 65.38  | 1.426   | 0.1       | 16 | 6  | 4  |     |        |         |           |    |    |    |
| 92  | 65.85  | 1.417   | 0.1       | 4  | 10 | 14 |     |        |         |           |    |    |    |
| 93  | 66.21  | 1.410   | 0.1       | 17 | 5  | 1  |     |        |         |           |    |    |    |
| 94  | 66.80  | 1.399   | 0.1       | 0  | 8  | 16 |     |        |         |           |    |    |    |
| 95  | 67.16  | 1.393   | 0.1       | 3  | 5  | 17 |     |        |         |           |    |    |    |
| 96  | 67.27  | 1.391   | 0.3       | 16 | 8  | 2  |     |        |         |           |    |    |    |
| 97  | 67.74  | 1.382   | 1.1       | 0  | 2  | 18 |     |        |         |           |    |    |    |
| 98  | 68.09  | 1.376   | 0.4       | 5  | 9  | 15 |     |        |         |           |    |    |    |
| 99  | 68.68  | 1.366   | 0.2       | 4  | 8  | 16 |     |        |         |           |    |    |    |
| 100 | 69.03  | 1.360   | 0.4       | 17 | 5  | 5  |     |        |         |           |    |    |    |

Note: 2theta are calculated with wavelength = 1.54059

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Lampiran 7.

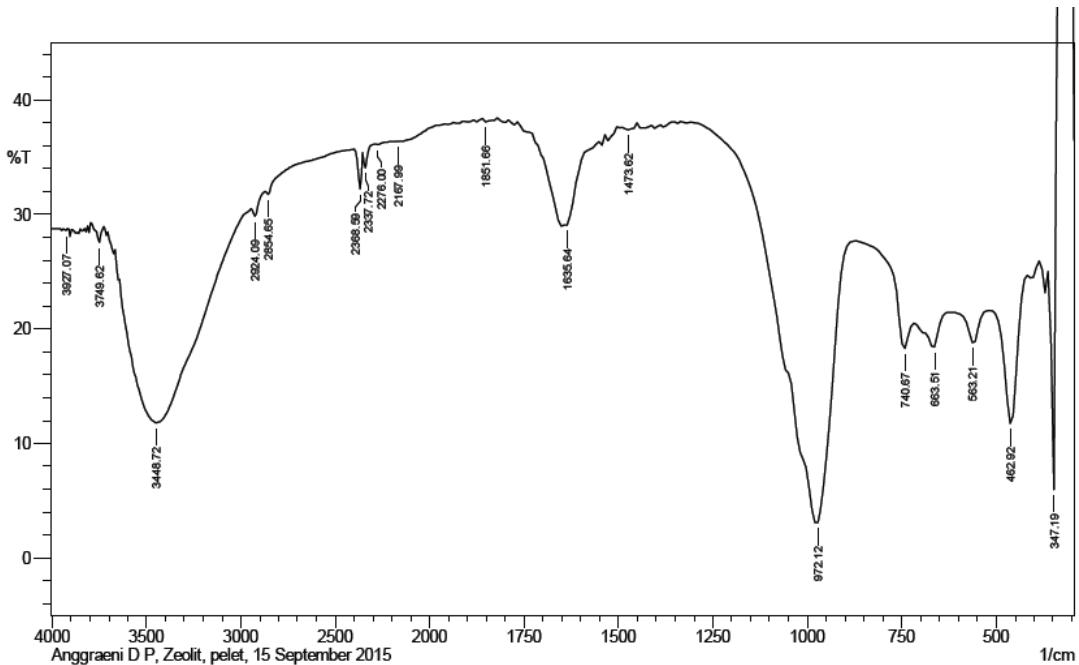
**Spektrum Serbuk Hasil Sintesis dengan Waktu Aging 24 Jam**



|    | Peak    | Intensity | Corr. Intensity | Base (H) | Base (L) | Area    | Corr. Area |
|----|---------|-----------|-----------------|----------|----------|---------|------------|
| 1  | 331.76  | 1.018     | 30.971          | 347.19   | 316.33   | 33.881  | 18.295     |
| 2  | 470.63  | 6.789     | 1.975           | 501.49   | 378.05   | 126.315 | 3.293      |
| 3  | 570.93  | 6.741     | 0.998           | 763.81   | 509.21   | 285.437 | 6.175      |
| 4  | 786.96  | 8.474     | 0.619           | 964.41   | 771.53   | 189.452 | 5.713      |
| 5  | 1103.28 | 7.933     | 9.215           | 1350.17  | 972.12   | 326.921 | 43.983     |
| 6  | 1527.62 | 21.1      | 0.311           | 1535.34  | 1489.05  | 30.795  | 0.112      |
| 7  | 1635.64 | 16.821    | 4.736           | 1789.94  | 1558.48  | 161.947 | 8.683      |
| 8  | 1928.82 | 22.352    | 0.034           | 1936.53  | 1882.52  | 35.048  | 0.031      |
| 9  | 2337.72 | 17.029    | 0.326           | 2345.44  | 1936.53  | 276.089 | 0.061      |
| 10 | 2854.65 | 17.098    | 0.125           | 2870.08  | 2399.45  | 336.498 | 0.034      |
| 11 | 2924.09 | 15.833    | 0.395           | 2939.52  | 2870.08  | 54.314  | 0.21       |
| 12 | 3448.72 | 5.449     | 9.917           | 3734.19  | 2947.23  | 799.332 | 162.212    |
| 13 | 3757.33 | 14.767    | 0.385           | 3788.19  | 3741.9   | 38.232  | 0.277      |
| 14 | 3842.2  | 14.573    | 0.249           | 3849.92  | 3795.91  | 44.879  | 0.316      |
| 15 | 3927.07 | 14.749    | 0.046           | 3965.65  | 3919.35  | 38.438  | 0.026      |

Lampiran 8.

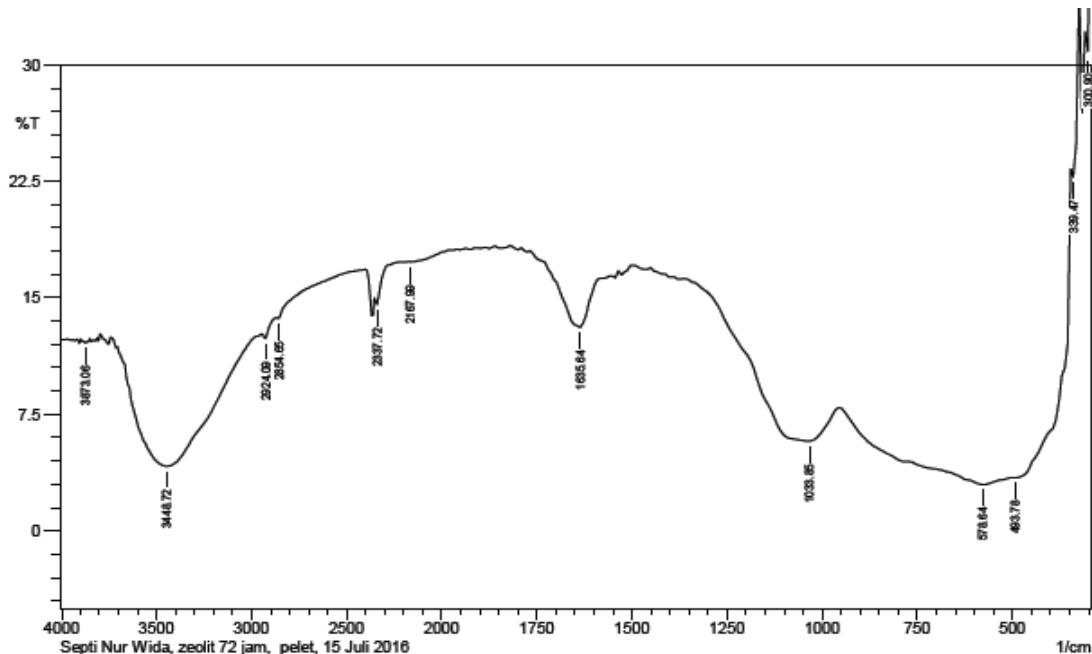
**Spektrum Serbuk Hasil Sintesis dengan Waktu Aging 48 Jam**



|    | Peak    | Intensity | Corr. Intensity | Base (H) | Base (L) | Area   | Corr. Area |
|----|---------|-----------|-----------------|----------|----------|--------|------------|
| 1  | 347.19  | 5.95      | 48.5            | 362.62   | 316.33   | 20.7   | 10.55      |
| 2  | 462.92  | 11.72     | 11.35           | 509.21   | 424.34   | 64.23  | 10.11      |
| 3  | 563.21  | 18.79     | 2.73            | 609.51   | 516.92   | 63.63  | 1.87       |
| 4  | 663.51  | 18.4      | 2.57            | 709.8    | 632.65   | 54.37  | 1.93       |
| 5  | 740.67  | 18.27     | 3.3             | 871.82   | 717.52   | 95.25  | 1.63       |
| 6  | 972.12  | 3.07      | 26.85           | 1303.88  | 879.54   | 295.71 | 88.37      |
| 7  | 1473.62 | 37.37     | 0.37            | 1489.05  | 1450.47  | 16.41  | 0.12       |
| 8  | 1635.64 | 29.05     | 7.8             | 1766.8   | 1558.48  | 98.2   | 8.37       |
| 9  | 1851.66 | 38.08     | 0.3             | 1859.38  | 1820.8   | 16.12  | 0.09       |
| 10 | 2167.99 | 36.35     | 0.07            | 2175.7   | 1982.82  | 83.61  | 0.51       |
| 11 | 2276    | 36.06     | 0.07            | 2283.72  | 2191.13  | 40.79  | 0.01       |
| 12 | 2337.72 | 34.07     | 1.5             | 2353.16  | 2291.43  | 27.85  | 0.33       |
| 13 | 2368.59 | 32.18     | 3.31            | 2399.45  | 2353.16  | 21.65  | 0.83       |
| 14 | 2854.65 | 31.72     | 0.24            | 2862.36  | 2399.45  | 213.78 | 0.03       |
| 15 | 2924.09 | 29.84     | 0.88            | 2939.52  | 2870.08  | 35.32  | 0.28       |
| 16 | 3448.72 | 11.76     | 16.21           | 3664.75  | 2947.23  | 518.72 | 129.17     |
| 17 | 3749.62 | 27.55     | 1.25            | 3788.19  | 3734.19  | 29.59  | 0.45       |
| 18 | 3927.07 | 28.57     | 0.17            | 3965.65  | 3919.35  | 25.12  | 0.05       |

Lampiran 9.

**Spektrum Serbuk Hasil Sintesis dengan Waktu Aging 72 Jam**



|    | Peak    | Intensity | Corr. Intensity | Base (H) | Base (L) | Area    | Corr. Area |
|----|---------|-----------|-----------------|----------|----------|---------|------------|
| 1  | 300.9   | 30.889    | 14.949          | 324.04   | 293.18   | 14.494  | 3.294      |
| 2  | 339.47  | 22.764    | 4.33            | 347.19   | 324.04   | 13.165  | 1.192      |
| 3  | 493.78  | 3.404     | 1.018           | 501.49   | 347.19   | 189.038 | 30.407     |
| 4  | 578.64  | 2.969     | 1.226           | 948.98   | 501.49   | 615.366 | 39.231     |
| 5  | 1033.85 | 5.765     | 3.747           | 1357.89  | 956.69   | 414.596 | 35.318     |
| 6  | 1635.64 | 13.083    | 3.681           | 1766.8   | 1581.63  | 150.636 | 8.488      |
| 7  | 2167.99 | 17.306    | 0.036           | 2175.7   | 1959.68  | 162.843 | 0.494      |
| 8  | 2337.72 | 14.552    | 0.653           | 2353.16  | 2191.13  | 126.092 | 0.27       |
| 9  | 2854.65 | 13.669    | 0.145           | 2870.08  | 2399.45  | 377.297 | 0.052      |
| 10 | 2924.09 | 12.385    | 0.448           | 2939.52  | 2870.08  | 61.26   | 0.289      |
| 11 | 3448.72 | 4.135     | 8.364           | 3734.19  | 2947.23  | 889.541 | 179.816    |
| 12 | 3873.06 | 12.086    | 0.168           | 3888.49  | 3849.92  | 35.28   | 0.148      |