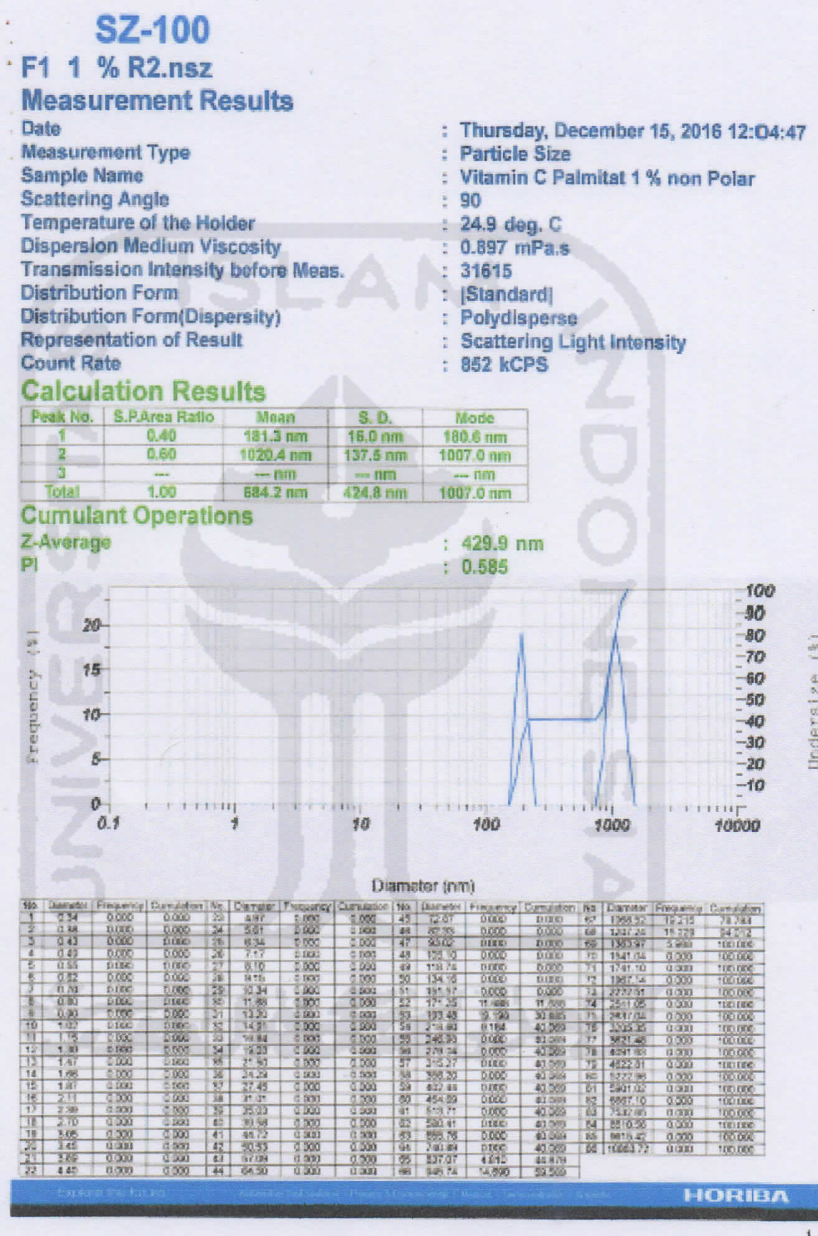


LAMPIRAN

Lampiran 1 Hasil pembacaan ukuran partikel menggunakan *Particle Size Analyzer* pada formula nanopartikel PVA 1 g.



Lampiran 2 Hasil pembacaan ukuran partikel menggunakan Particle Size Analyzer pada formula nanopartikel PVA 2,5 g.

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HORIBA SZ-100 for Windows [Z Type] Ver2. 00

SZ-100

F2 2,5 % R2.nsz

Measurement Results

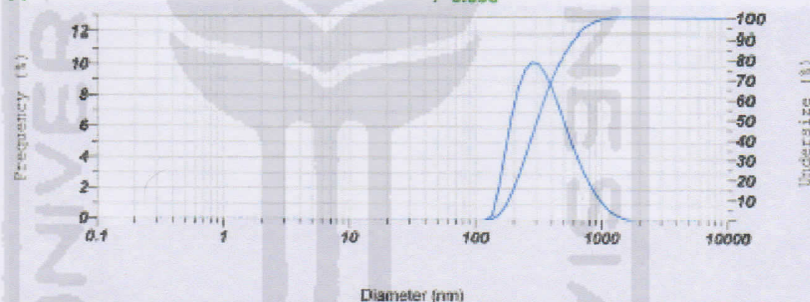
Date : Thursday, December 15, 2016 11:43:22
 Measurement Type : Particle Size
 Sample Name : Vitamin C Palmitat 2,5 % non Polar
 Scattering Angle : 90
 Temperature of the Holder : 24.9 deg. C
 Dispersion Medium Viscosity : 0.897 mPa.s
 Transmission Intensity before Meas. : 33044
 Distribution Form : [Standard]
 Distribution Form(Dispersity) : Polydisperse
 Representation of Result : Scattering Light Intensity
 Count Rate : 636 kCPS

Calculation Results

Peak No.	S.P.Area Ratio	Mean	S. D.	Mode
1	1.00	361.3 nm	189.2 nm	253.1 nm
2	---	--- nm	--- nm	--- nm
3	---	--- nm	--- nm	--- nm
Total	1.00	361.3 nm	189.2 nm	253.1 nm

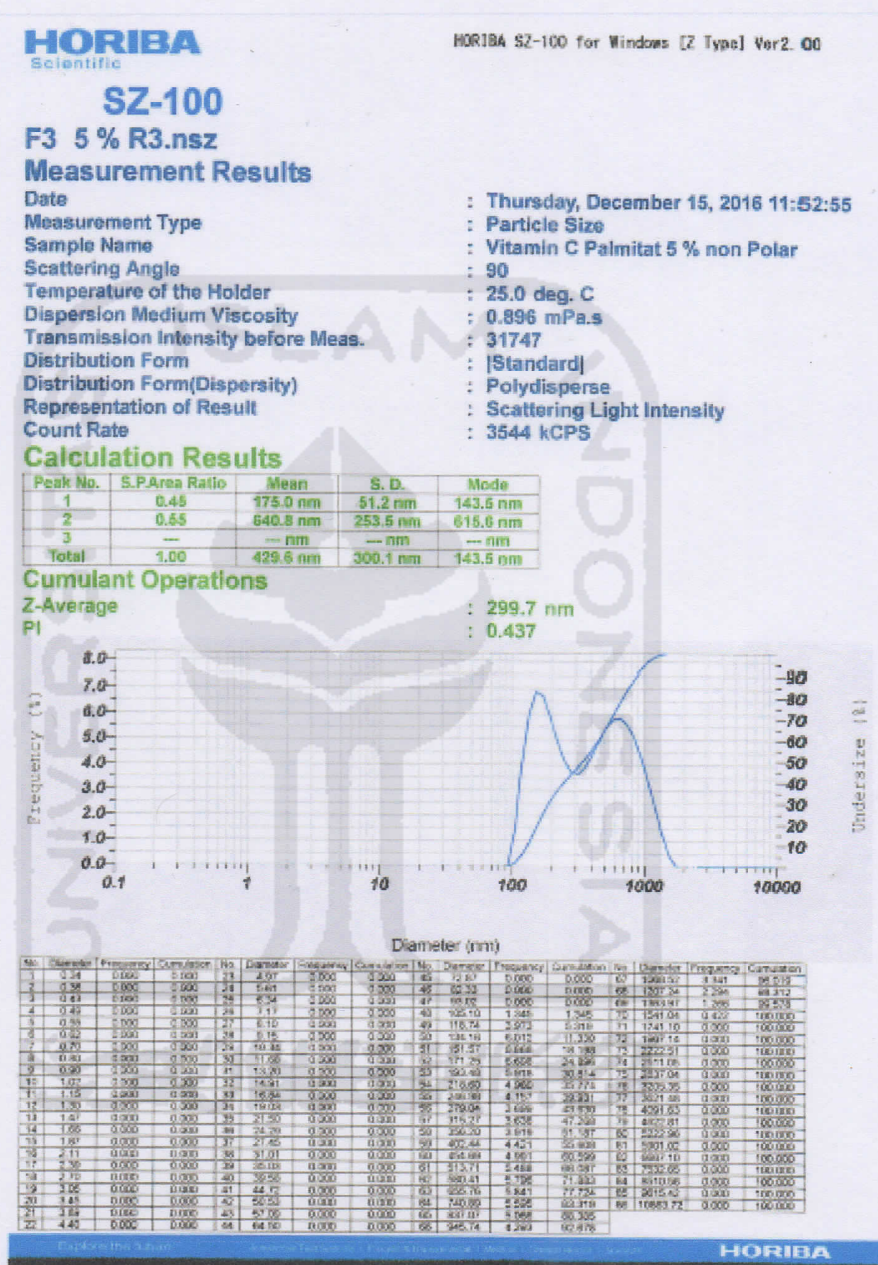
Cumulant Operations

Z-Average : 307.0 nm
 PI : 0.390

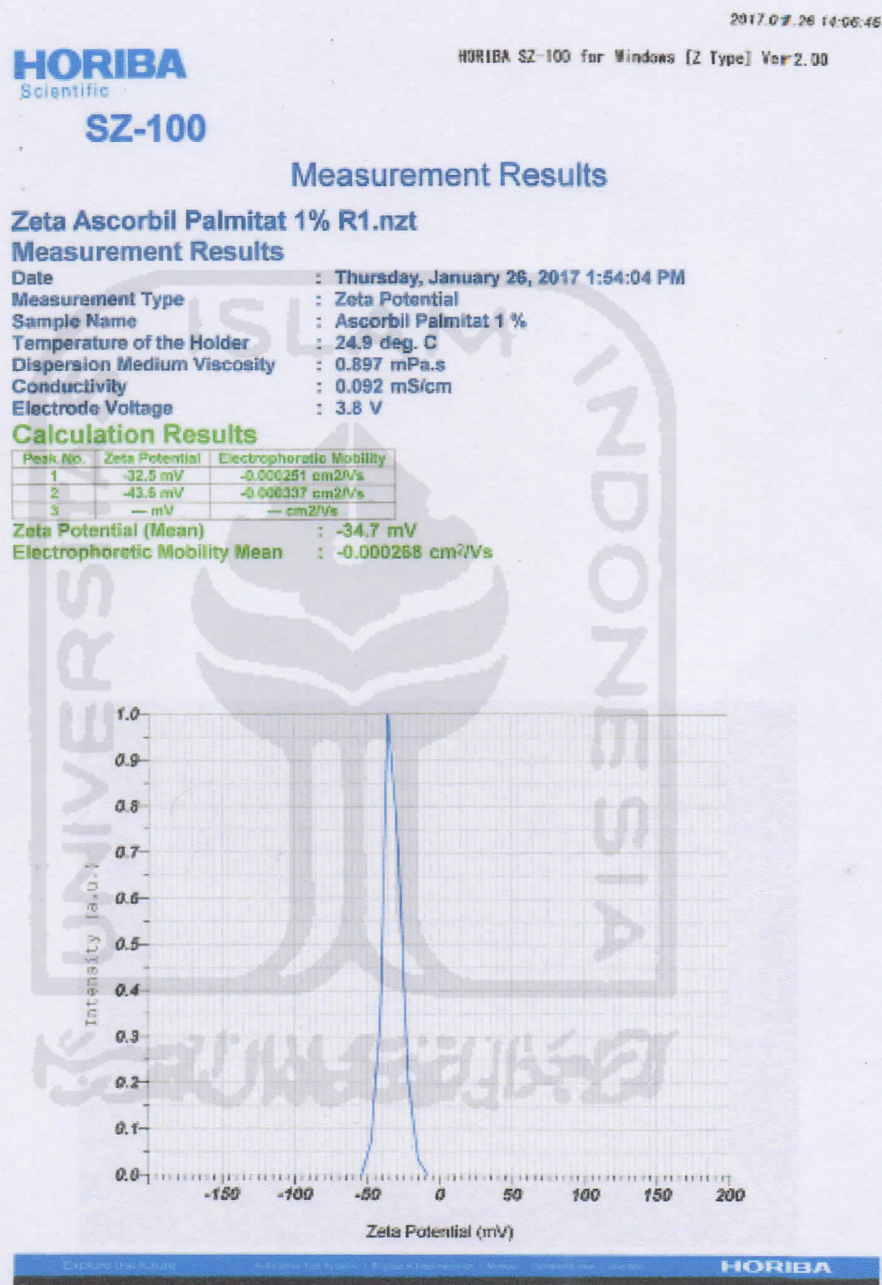


No.	Diameter	Frequency	Cumulation	No.	Diameter	Frequency	Cumulation	No.	Diameter	Frequency	Cumulation
1	0.34	0.000	0.000	23	4.27	0.000	0.000	45	72.91	0.000	0.300
2	0.34	0.000	0.000	24	5.81	0.000	0.000	46	102.70	0.000	0.300
3	0.41	0.000	0.000	25	8.04	0.000	0.000	47	140.00	0.000	0.300
4	0.44	0.000	0.000	26	11.17	0.000	0.000	48	192.70	0.000	0.300
5	0.48	0.000	0.000	27	15.40	0.000	0.000	49	268.70	0.000	0.300
6	0.52	0.000	0.000	28	21.17	0.000	0.000	50	368.70	0.000	0.300
7	0.57	0.000	0.000	29	29.17	0.000	0.000	51	500.00	0.000	0.300
8	0.60	0.000	0.000	30	39.54	0.000	0.000	52	675.70	0.000	0.300
9	0.64	0.000	0.000	31	53.17	0.000	0.000	53	900.00	0.000	0.300
10	0.69	0.000	0.000	32	71.17	0.000	0.000	54	1200.00	0.000	0.300
11	0.75	0.000	0.000	33	95.17	0.000	0.000	55	1600.00	0.000	0.300
12	0.80	0.000	0.000	34	128.17	0.000	0.000	56	2100.00	0.000	0.300
13	0.87	0.000	0.000	35	175.17	0.000	0.000	57	2800.00	0.000	0.300
14	0.94	0.000	0.000	36	235.17	0.000	0.000	58	3700.00	0.000	0.300
15	1.00	0.000	0.000	37	315.17	0.000	0.000	59	4900.00	0.000	0.300
16	1.07	0.000	0.000	38	425.17	0.000	0.000	60	6500.00	0.000	0.300
17	1.14	0.000	0.000	39	575.17	0.000	0.000	61	8700.00	0.000	0.300
18	1.21	0.000	0.000	40	<td>0.000</td> <td>0.000</td> <td>62</td> <td 11700.00<="" td=""><td>0.000</td><td>0.300</td></td>	0.000	0.000	62	<td>0.000</td> <td>0.300</td>	0.000	0.300
19	1.28	0.000	0.000	41	<td>0.000</td> <td>0.000</td> <td>63</td> <td 15800.00<="" td=""><td>0.000</td><td>0.300</td></td>	0.000	0.000	63	<td>0.000</td> <td>0.300</td>	0.000	0.300
20	1.35	0.000	0.000	42	<td>0.000</td> <td>0.000</td> <td>64</td> <td 21500.00<="" td=""><td>0.000</td><td>0.300</td></td>	0.000	0.000	64	<td>0.000</td> <td>0.300</td>	0.000	0.300
21	1.42	0.000	0.000	43	<td>0.000</td> <td>0.000</td> <td>65</td> <td 29500.00<="" td=""><td>0.000</td><td>0.300</td></td>	0.000	0.000	65	<td>0.000</td> <td>0.300</td>	0.000	0.300
22	1.49	0.000	0.000	44	<td>0.000</td> <td>0.000</td> <td>66</td> <td 40500.00<="" td=""><td>0.000</td><td>0.300</td></td>	0.000	0.000	66	<td>0.000</td> <td>0.300</td>	0.000	0.300

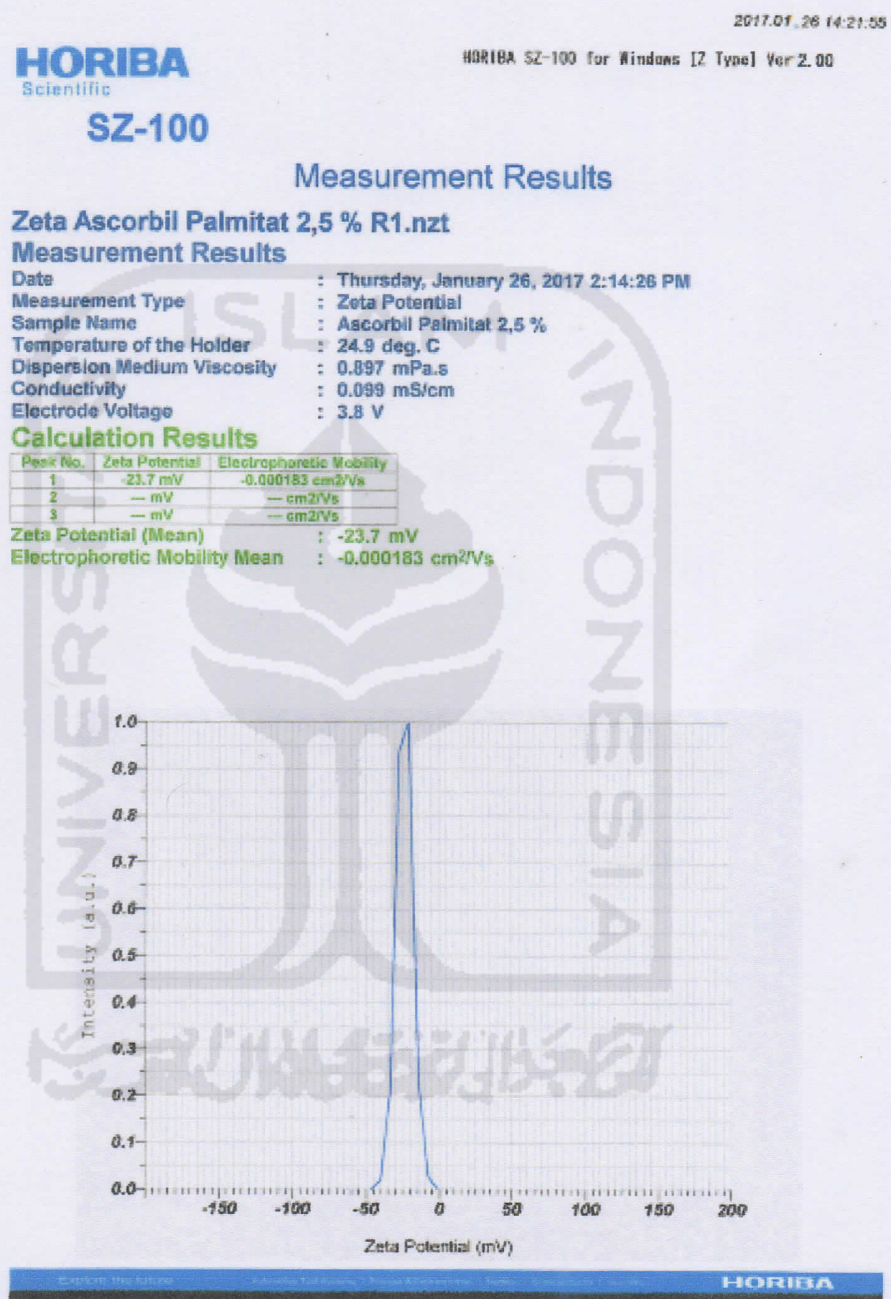
Lampiran 3 Hasil pembacaan ukuran partikel menggunakan Particle Size Analyzer pada formula nanopartikel PVA 5 g.



Lampiran 4 Hasil pembacaan nilai zeta potensial menggunakan *Particle Size Analyzer* pada formula nanopartikel PVA 1 g.



Lampiran 5 Hasil pembacaan nilai zeta potensial menggunakan *Particle Size Analyzer* pada formula nanopartikel PVA 2,5 g.



Lampiran 6 Hasil pembacaan nilai zeta potensial menggunakan *Particle Size Analyzer* pada formula nanopartikel PVA 5 g.

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HORIBA SZ-100 for Windows [Z Type] Ver2.00

SZ-100

Measurement Results

Zeta Ascorbil Palmitat 5 % R1.nzt

Measurement Results

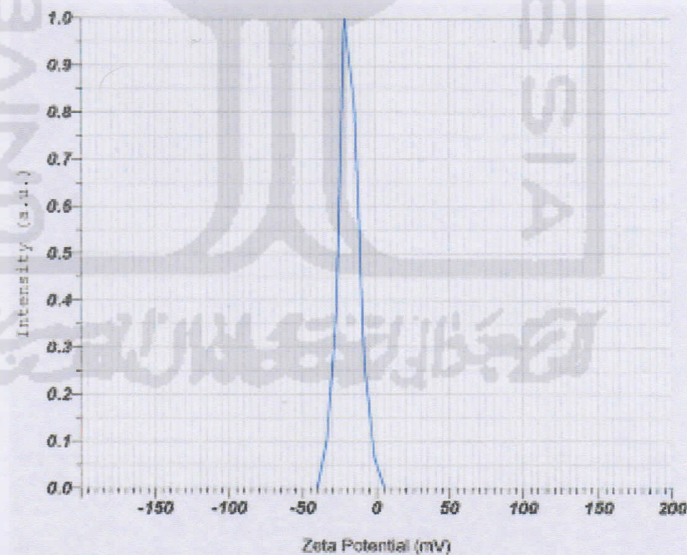
Date : Thursday, January 26, 2017 2:27:07 PM
 Measurement Type : Zeta Potential
 Sample Name : Ascorbil Palmitat 5 %
 Temperature of the Holder : 24.8 deg. C
 Dispersion Medium Viscosity : 0.900 mPa.s
 Conductivity : 0.090 mS/cm
 Electrode Voltage : 3.9 V

Calculation Results

Peak No.	Zeta Potential	Electrophoretic Mobility
1	-18.5 mV	-0.000143 cm ² /Vs
2	-- mV	-- cm ² /Vs
3	-- mV	-- cm ² /Vs

Zeta Potential (Mean) : -18.5 mV

Electrophoretic Mobility Mean : -0.000143 cm²/Vs



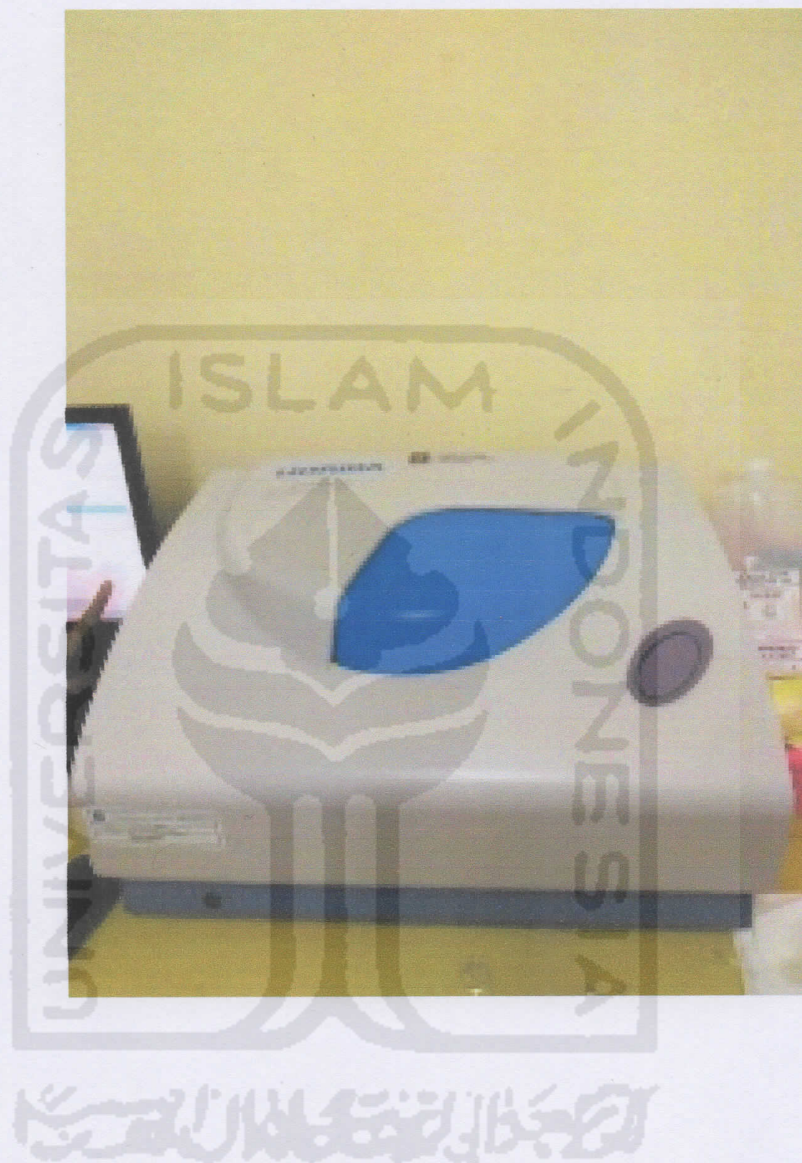
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Lampiran 7 Gambar alat *Particle Size analyzer* (Horiba SZ-100)



Lampiran 8 Gambar alat *Tranmision Electron Microscopy* (TEM) (JEM-1010EX)

