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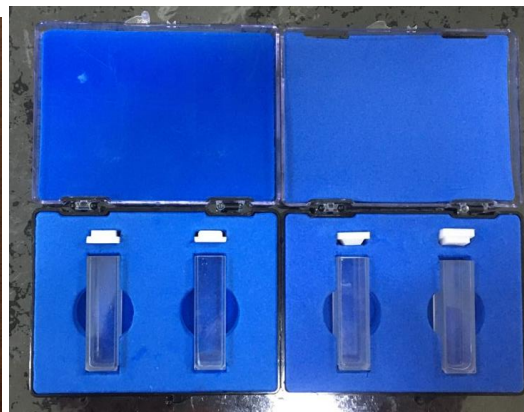
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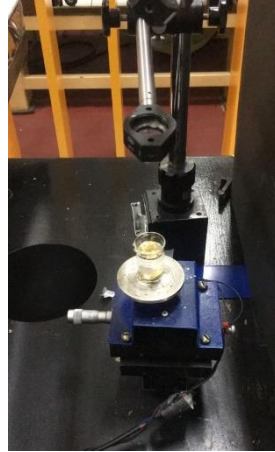
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LAMPIRAN

Lampiran 1. Gambar Alat dan Bahan





Lampiran 2. Data UV-Vis

	1pr2	1pr5	1pr10	1pr20	1pr50	1pr100	1pr200	1pr500
198.51	0.80152	0.762779	0.709902	0.339817	0.144745	0.000105	-0.06083	-0.04228
198.99	0.814874	0.774056	0.715085	0.345224	0.146887	0.008308	-0.05122	-0.03723
199.46	0.828081	0.785214	0.720221	0.350575	0.149007	0.016326	-0.04183	-0.03229
199.94	0.841139	0.796253	0.725311	0.35587	0.151104	0.024158	-0.03265	-0.02746
200.42	0.854049	0.807175	0.730355	0.36111	0.153179	0.031805	-0.02369	-0.02274
200.89	0.866811	0.817978	0.735353	0.366293	0.155231	0.039266	-0.01495	-0.01814
201.37	0.879425	0.828662	0.740304	0.37142	0.157261	0.046541	-0.00642	-0.01365
201.85	0.891891	0.839228	0.745209	0.37649	0.159268	0.05363	0.001897	-0.00926
202.32	0.904209	0.849676	0.750068	0.381505	0.161253	0.060534	0.009996	-0.00499
202.8	0.916378	0.860006	0.754881	0.386464	0.163216	0.067252	0.017879	-0.00084
203.28	0.9284	0.870217	0.759647	0.391367	0.165156	0.073784	0.025546	0.00321
203.75	0.940273	0.880309	0.764367	0.396213	0.167074	0.080131	0.032997	0.007145
204.23	0.951999	0.890283	0.769041	0.401004	0.168969	0.086292	0.040232	0.010968
204.71	0.963576	0.900139	0.773669	0.405738	0.170841	0.092267	0.047252	0.014679
205.18	0.975005	0.909877	0.77825	0.410417	0.172692	0.098056	0.054056	0.018278
205.66	0.986286	0.919496	0.782785	0.415039	0.174519	0.10366	0.060645	0.021765
206.14	0.997419	0.928996	0.787274	0.419606	0.176325	0.109078	0.067017	0.025141
206.61	1.008403	0.938379	0.791717	0.424116	0.178107	0.114311	0.073174	0.028405
207.09	1.01924	0.947643	0.796113	0.42857	0.179868	0.119357	0.079115	0.031557
207.56	1.029929	0.956788	0.800463	0.432968	0.181606	0.124218	0.084841	0.034598
208.04	1.040469	0.965815	0.804767	0.43731	0.183321	0.128894	0.09035	0.037526
208.52	1.050862	0.974724	0.809025	0.441596	0.185014	0.133383	0.095644	0.040343
208.99	1.061106	0.983514	0.813236	0.445826	0.186685	0.137687	0.100723	0.043048
209.47	1.071202	0.992186	0.817402	0.449999	0.188333	0.141805	0.105585	0.045642
209.95	1.08115	1.00074	0.821521	0.454117	0.189958	0.145738	0.110232	0.048123
210.42	1.09095	1.009175	0.825593	0.458179	0.191561	0.149485	0.114663	0.050493
210.9	1.100602	1.017492	0.82962	0.462184	0.193142	0.153046	0.118878	0.052751
211.37	1.110105	1.025691	0.8336	0.466134	0.1947	0.156421	0.122878	0.054897
211.85	1.119461	1.033771	0.837534	0.470027	0.196236	0.159611	0.126662	0.056932
212.33	1.128669	1.041732	0.841422	0.473865	0.197749	0.162615	0.13023	0.058854
212.8	1.137728	1.049576	0.845263	0.477646	0.19924	0.165433	0.133582	0.060665
213.28	1.146639	1.0573	0.849059	0.481371	0.200708	0.168066	0.136719	0.062364
213.76	1.155403	1.064907	0.852808	0.48504	0.202154	0.170513	0.13964	0.063952
214.23	1.164018	1.072395	0.85651	0.488653	0.203577	0.172774	0.142345	0.065427
214.71	1.172485	1.079765	0.860167	0.49221	0.204978	0.17485	0.144834	0.066791
215.18	1.180804	1.087016	0.863777	0.495711	0.206357	0.17674	0.147108	0.068043
215.66	1.188974	1.094149	0.867341	0.499156	0.207713	0.178444	0.149166	0.069184
216.14	1.196997	1.101164	0.870859	0.502545	0.209046	0.178428	0.155868	0.07434
216.61	1.204872	1.10806	0.874331	0.505877	0.210357	0.187725	0.154195	0.083572
217.09	1.212598	1.114838	0.877756	0.509154	0.211646	0.18863	0.155965	0.086285
217.56	1.220176	1.121497	0.881135	0.512374	0.212912	0.187734	0.154417	0.086732
218.04	1.227607	1.128038	0.884468	0.515539	0.214155	0.164495	0.13393	0.062766
218.51	1.234889	1.134461	0.887754	0.518647	0.215377	0.162687	0.130423	0.061441
218.99	1.242023	1.140765	0.890995	0.5217	0.216575	0.161742	0.129302	0.061112
219.47	1.249009	1.146951	0.894189	0.524696	0.217752	0.160915	0.128205	0.060011
219.94	1.255847	1.153018	0.897337	0.527636	0.218905	0.160465	0.128457	0.059778
220.42	1.262536	1.158967	0.900438	0.53052	0.220037	0.15982	0.127583	0.059089
220.89	1.269078	1.164798	0.903494	0.533348	0.221146	0.159735	0.12756	0.059196
221.37	1.275472	1.17051	0.906503	0.53612	0.222232	0.159353	0.126986	0.058761
221.84	1.281717	1.176104	0.909466	0.538836	0.223296	0.15895	0.12684	0.058912
222.32	1.287814	1.18158	0.912382	0.541496	0.224337	0.158087	0.126528	0.058475

222.8	1.293764	1.186937	0.915253	0.5441	0.225356	0.157927	0.127194	0.05795
223.27	1.299565	1.192176	0.918077	0.546647	0.226353	0.158013	0.127408	0.058171
223.75	1.305218	1.197296	0.920855	0.549139	0.227327	0.158431	0.127657	0.058588
224.22	1.310723	1.202298	0.923587	0.551575	0.228279	0.158275	0.127618	0.058482

Lampiran 3. Hasil TEM

Bin Center	Counts	Cumulative Exponential Bins	Cumulative Weibull Bins	Distribution Normal Bins	Lognormal Bins	Weibull	Mean=	
16, Mean= 2,7	a= 19,1076	lambda= 0						
2.5	0	0	0	0	2.497826	0	29.62191	
7.5	14	14	14	0.045045	2.528931	2.34E-29	0.022419	29.54296
12.5	39	53	53	0.09009	2.56034	2.36E-22	0.055407	29.46423
17.5	18	71	71	0.135135	2.592053	1.1E-18	0.094063	29.3857
22.5	13	84	84	0.18018	2.624072	2.82E-16	0.136932	29.30739
27.5	10	94	94	0.225225	2.656398	1.62E-14	0.183231	29.22928
32.5	3	97	97	0.27027	2.689034	3.77E-13	0.232461	29.15138
37.5	2	99	99	0.315315	2.721981	4.8E-12	0.284269	29.07369
42.5	1	100	100	0.36036	2.75524	4E-11	0.33839	28.99621
				0.405405	2.788813	2.43E-10	0.394616	28.91893
				0.45045	2.822703	1.16E-09	0.452781	28.84186
				0.495495	2.856909	4.56E-09	0.512745	28.76499
				0.540541	2.891435	1.54E-08	0.574391	28.68833
				0.585586	2.92628	4.57E-08	0.637618	28.61187
				0.630631	2.961448	1.22E-07	0.702338	28.53562
				0.675676	2.99694	2.99E-07	0.768476	28.45957
				0.720721	3.032756	6.76E-07	0.835961	28.38372
				0.765766	3.068899	1.43E-06	0.904733	28.30808
				0.810811	3.10537	2.86E-06	0.974736	28.23264
				0.855856	3.142171	5.43E-06	1.045921	28.15739
				0.900901	3.179302	9.86E-06	1.118239	28.08235
				0.945946	3.216766	1.72E-05	1.191651	28.00751
				0.990991	3.254564	2.9E-05	1.266116	27.93287
				1.036036	3.292697	4.72E-05	1.341598	27.85842
				1.081081	3.331167	7.48E-05	1.418063	27.78418
				1.126126	3.369974	0.000115	1.495481	27.71013
				1.171171	3.409121	0.000174	1.57382	27.63628
				1.216216	3.448609	0.000256	1.653054	27.56263
				1.261261	3.488439	0.00037	1.733157	27.48917
				1.306306	3.528612	0.000524	1.814102	27.41591
				1.351351	3.569129	0.000731	1.895868	27.34285
				1.396396	3.609993	0.001002	1.978431	27.26998
				1.441441	3.651203	0.001356	2.06177	27.1973
				1.486486	3.692762	0.001808	2.145865	27.12482
				1.531532	3.73467	0.002382	2.230696	27.05253
				1.576577	3.776929	0.003101	2.316244	26.98043
				1.621622	3.81954	0.003993	2.402492	26.90852
				1.666667	3.862504	0.005089	2.489422	26.83681
				1.711712	3.905822	0.006423	2.577018	26.76529
				1.756757	3.949495	0.008034	2.665264	26.69396
				1.801802	3.993525	0.009964	2.754144	26.62281
				1.846847	4.037911	0.012257	2.843643	26.55186
				1.891892	4.082657	0.014965	2.933746	26.4811
				1.936937	4.127761	0.018139	3.02444	26.41053
				1.981982	4.173226	0.021838	3.115711	26.34014
				2.027027	4.219052	0.026123	3.207545	26.26994
				2.072072	4.26524	0.031059	3.29993	26.19993
				2.117117	4.311791	0.036714	3.392852	26.1301
				2.162162	4.358706	0.04316	3.486301	26.06047

2.207207	4.405985	0.050472	3.580262	25.99101
2.252252	4.453631	0.058729	3.674726	25.92174
2.297297	4.501642	0.068014	3.76968	25.85266
2.342342	4.550021	0.078409	3.865113	25.78376
2.387387	4.598768	0.090002	3.961015	25.71504

Lampiran 4. Hasil pengukuran jumlah partikel optimum per luas area

KonsentrasDiameter NVolume Sa Volume Pe Massa Tot Densitas N Volume To Jumlah Na
Diameter a

ma/ml KNP	cm DNP	cm\+(3) VSNP	ml VT	Ma MTNPT	ma/cm\+(3 cm)\+(3) DP	VTNPT	JNP	cm DT
0.3	7.39E-07	2.11E-19	0.002	0.0006	19320	3.11E-08	1.47E+11	0.5
0.15	7.39E-07	2.11E-19	0.002	0.0003	19320	1.55E-08	7.35E+10	0.5
0.06	7.39E-07	2.11E-19	0.002	0.00012	19320	6.21E-09	2.94E+10	0.5
0.03	7.39E-07	2.11E-19	0.002	0.00006	19320	3.11E-09	1.47E+10	0.5
0.015	7.39E-07	2.11E-19	0.002	0.00003	19320	1.55E-09	7.35E+09	0.5
0.006	7.39E-07	2.11E-19	0.002	0.000012	19320	6.21E-10	2.94E+09	0.5
0.003	7.39E-07	2.11E-19	0.002	0.000006	19320	3.11E-10	1.47E+09	0.5
0.0015	7.39E-07	2.11E-19	0.002	0.000003	19320	1.55E-10	7.35E+08	0.5
0.0006	7.39E-07	2.11E-19	0.002	1.2E-06	19320	6.21E-11	2.94E+08	0.5
0.0003	7.39E-07	2.11E-19	0.002	6E-07	19320	3.11E-11	1.47E+08	0.5
0.00015	7.39E-07	2.11E-19	0.002	3E-07	19320	1.55E-11	73482208	0.5
0.00006	7.39E-07	2.11E-19	0.002	1.2E-07	19320	6.21E-12	29392883	0.5

Lampiran 5. Data Pulse Delay

delay	510	std	515	std	521	std
200	3.754799	0.762802	3.964424	0.890906	3.749109	0.790175
500	5.722283	2.733775	5.444842	1.222658	5.016036	1.006358
700	4.674312	0.901212	6.339889	1.297405	5.496004	1.078802
1000	3.983146	1.22866	4.826387	1.444469	4.460803	1.280391
2000	4.297387	1.476537	4.891184	1.481811	4.590492	1.413375
3000	2.78006	0.748629	3.214892	0.744833	2.89548	0.647593

Lampiran 6. Data Variasi wavelength

	510		515		521	
100mj532	6.707793	1.395587	11.74547	2.16399	9.58077	1.668496
100mj1064	4.681104	1.4469	10.02648	2.577646	7.73075	2.12978
200mj532	6.307169	1.789992	8.728658	2.530878	7.710686	2.099521
200mj1064	9.932559	2.349529	13.37935	3.412437	11.51627	2.651487
500mj532	6.123313	1.178083	5.020903	0.885524	4.748115	0.831449
500mj1064	6.297684	1.187011	5.582875	1.160409	5.232897	1.113456