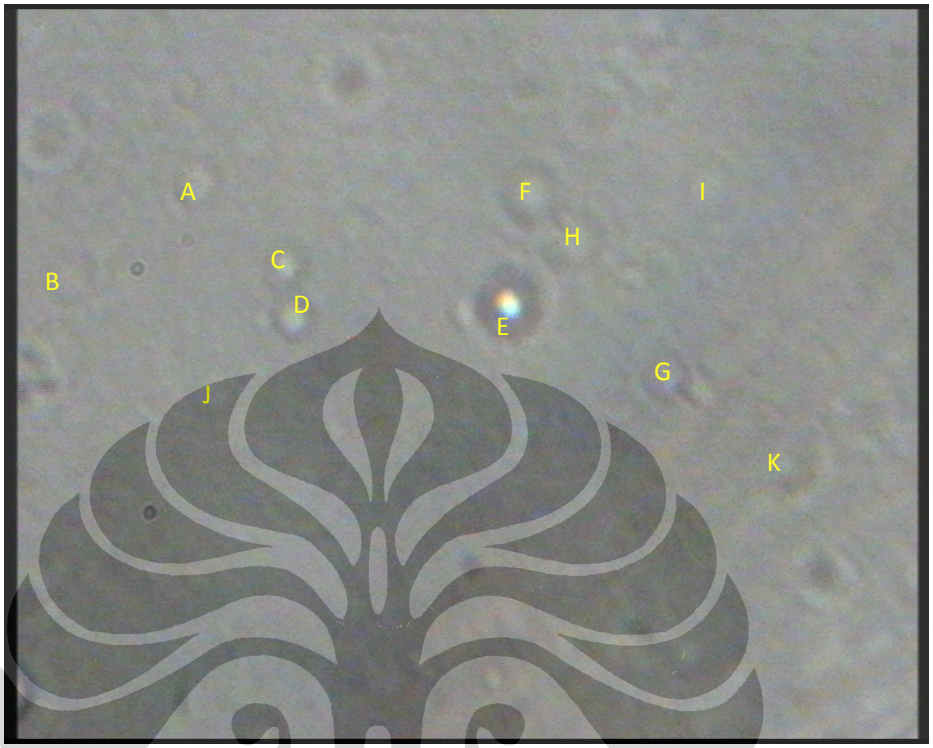
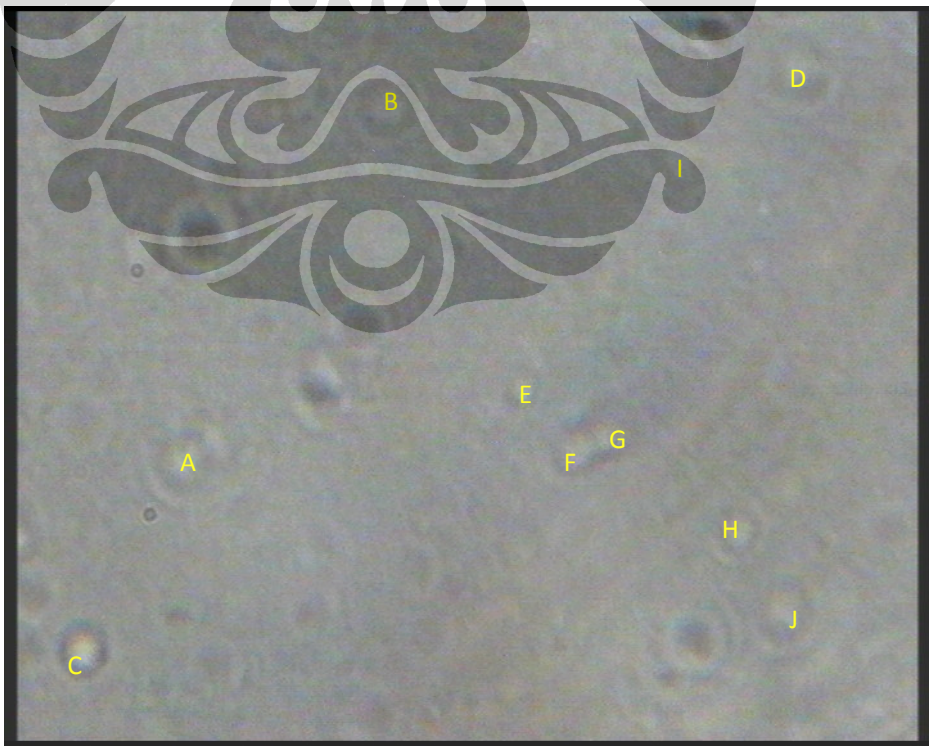
LAMPIRAN 1. FOTO LIPOSOM EPC-TEL 2,5

Liposom kontrol hari ke-1 (Foto 3436, 3447, 3517, 3522, 3507, 3443)

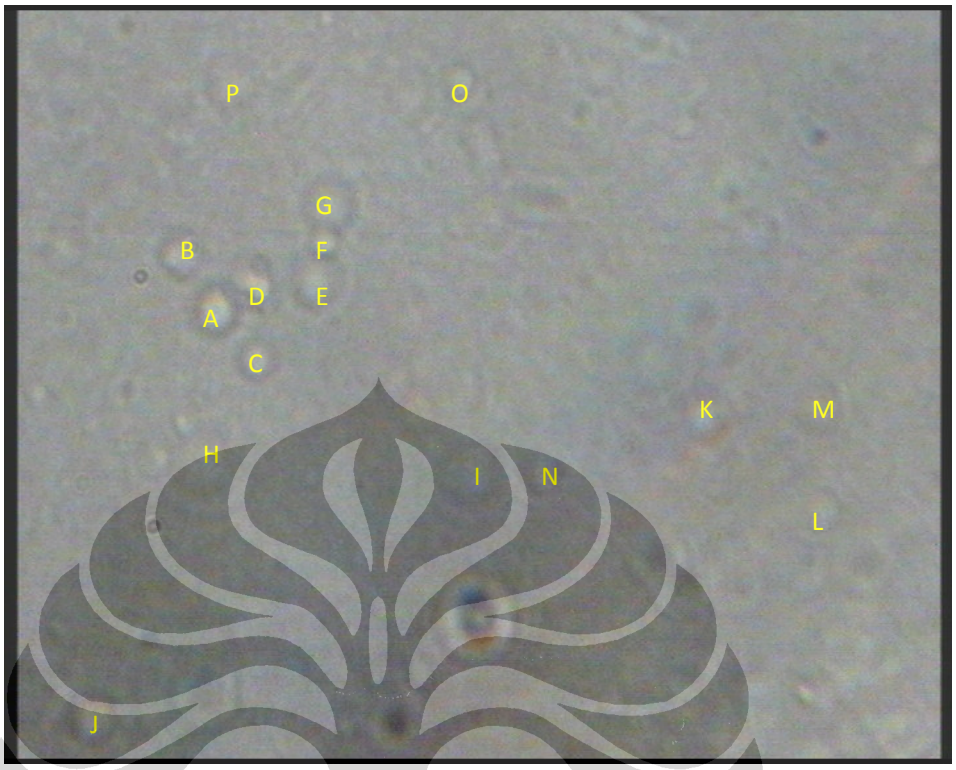
1. Foto 3436



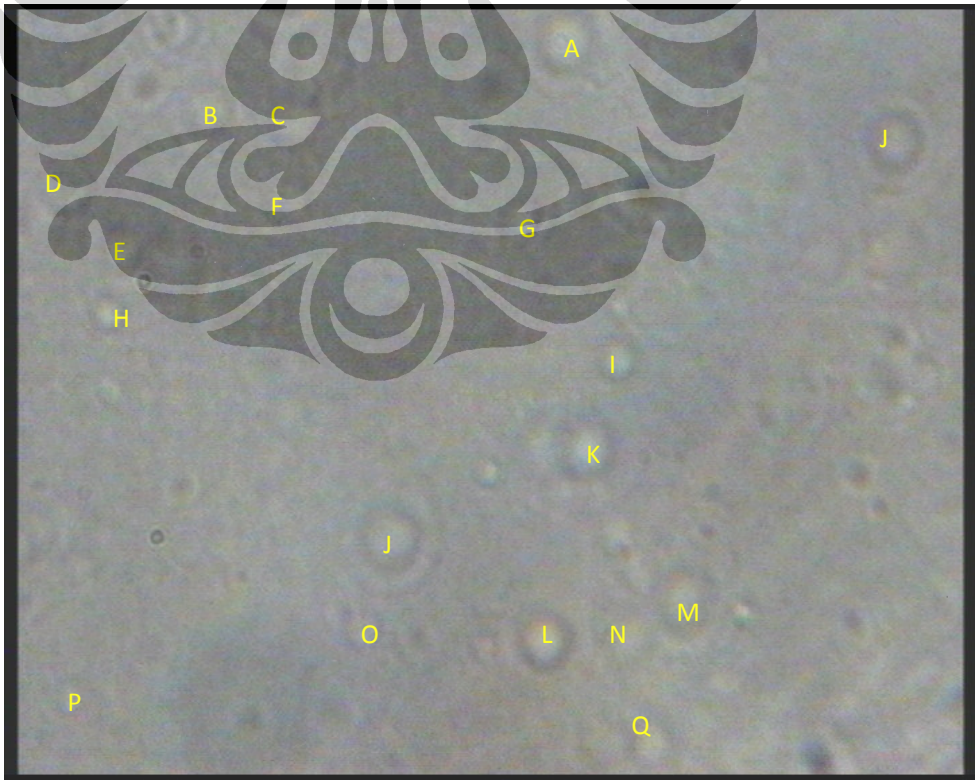
2. Foto 3447



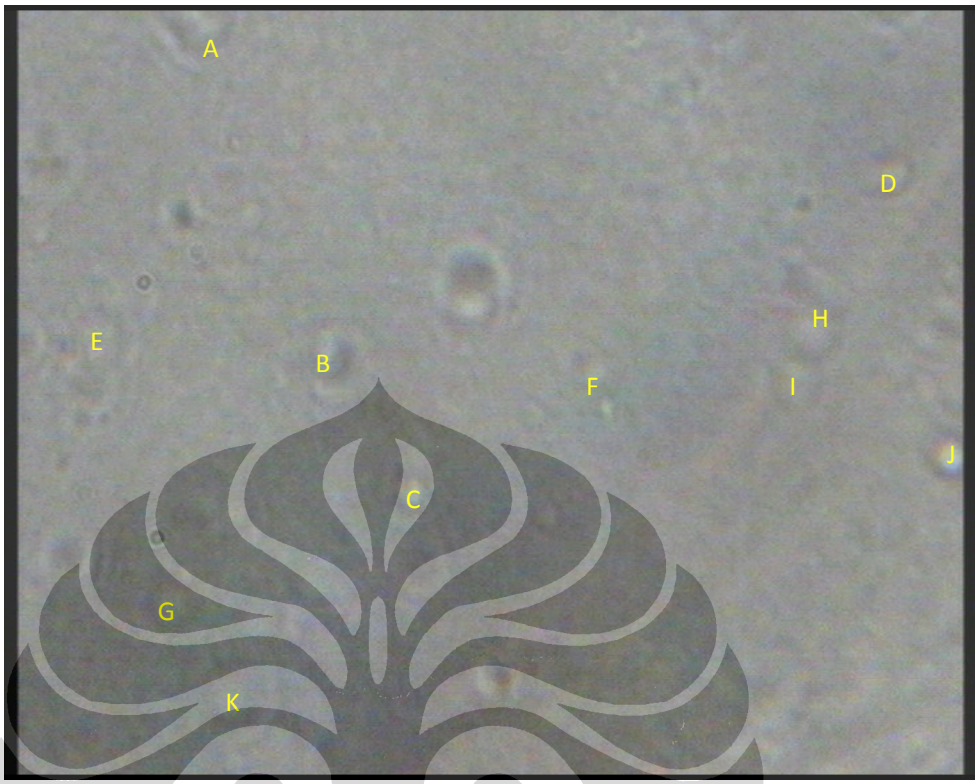
3. Foto 3517



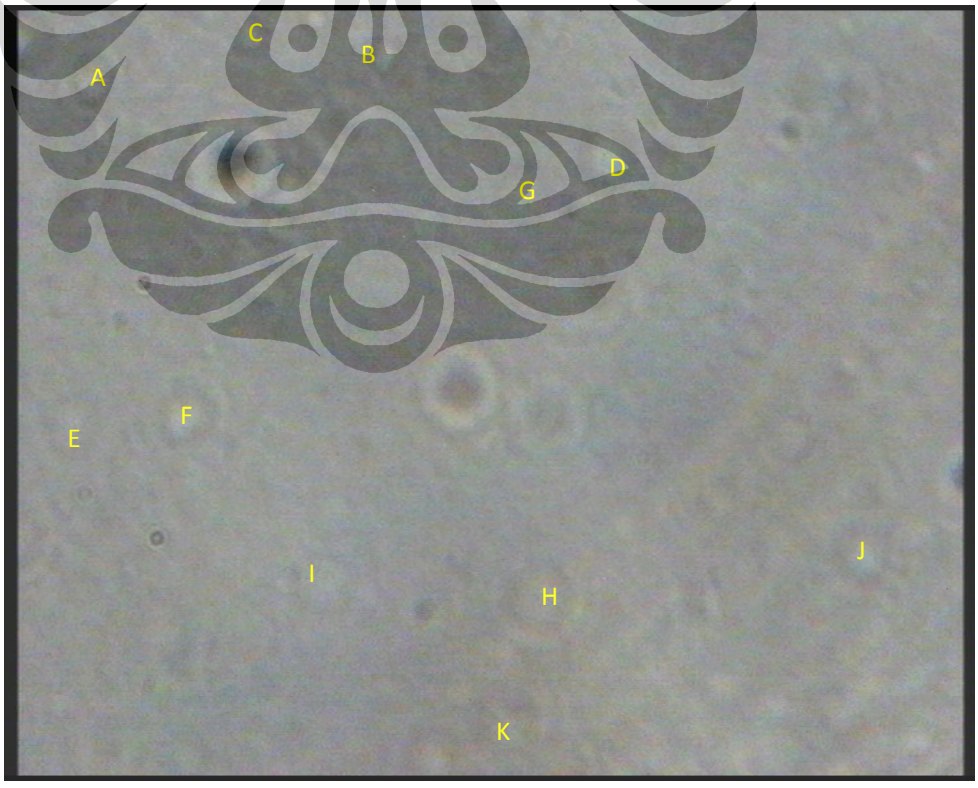
4. Foto 3522



5. Foto 3507



6.Foto 3443



Liposom kontrol hari ke-90 (Foto 33446, 33438, 33431, 33422, 33431, 33444)

1. Foto 33446

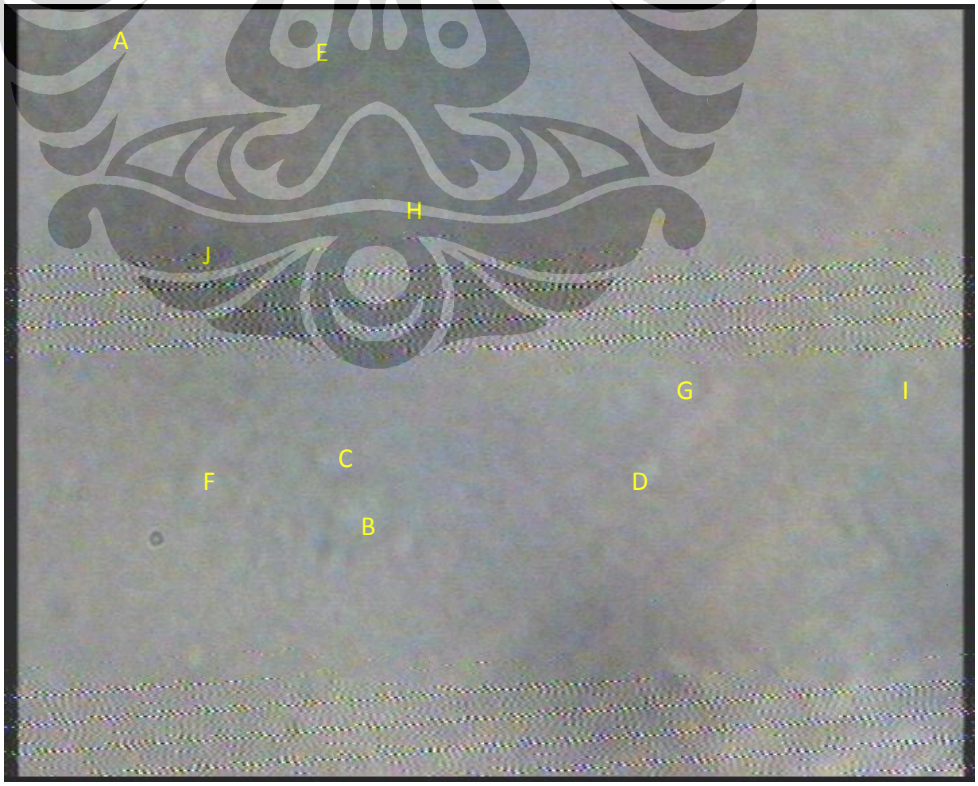
2. Foto 33438

3. Foto 33431

4. Foto 33422

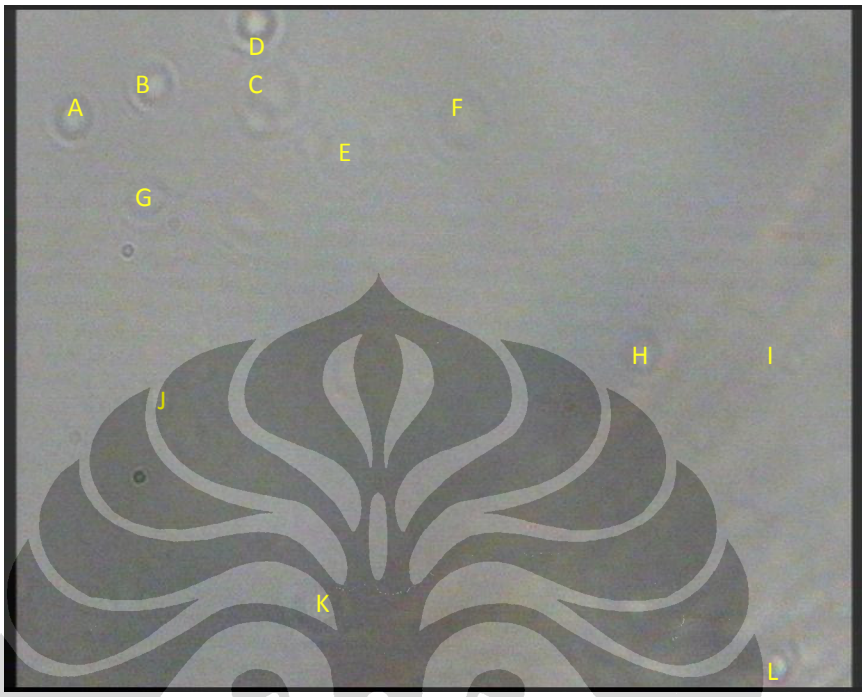
5. Foto 33424

6. Foto 33444

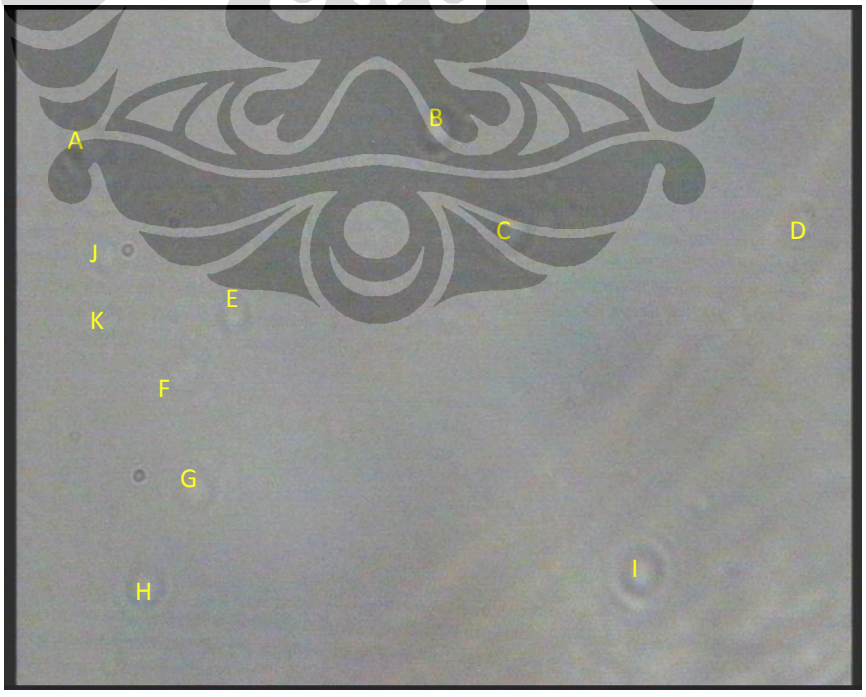


Liposom dalam larutan $CaCl_2$ 150 mOsmol pH 5 hari ke-1 (Foto 10733, 10745, 10756, 10804, 10816, 10903)

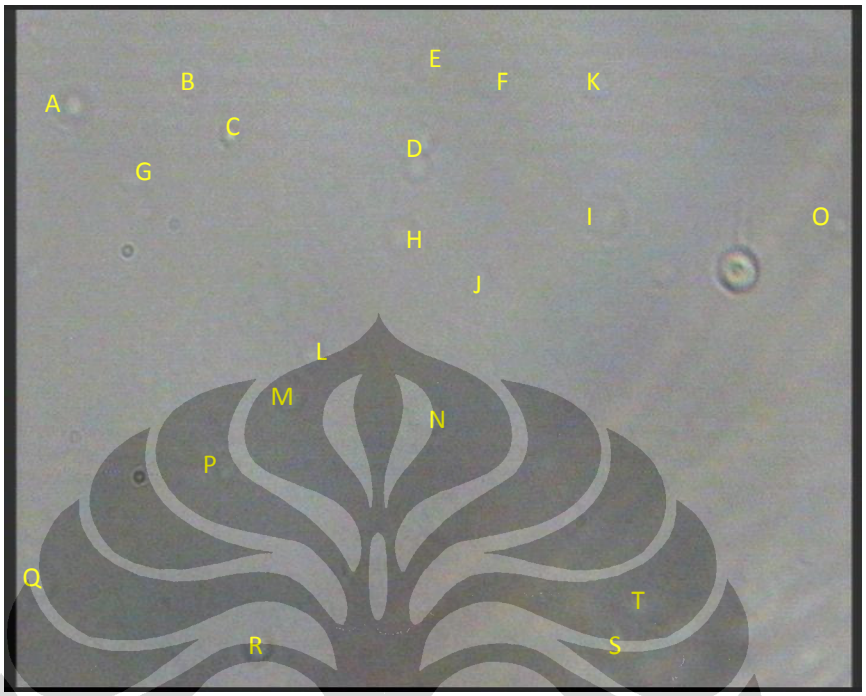
1. Foto 10733



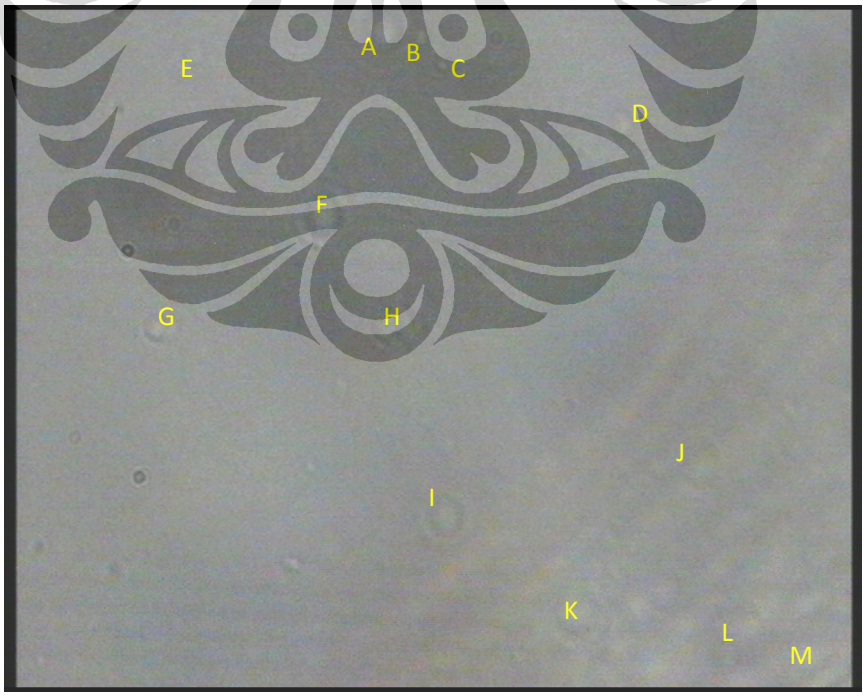
2. Foto 10745



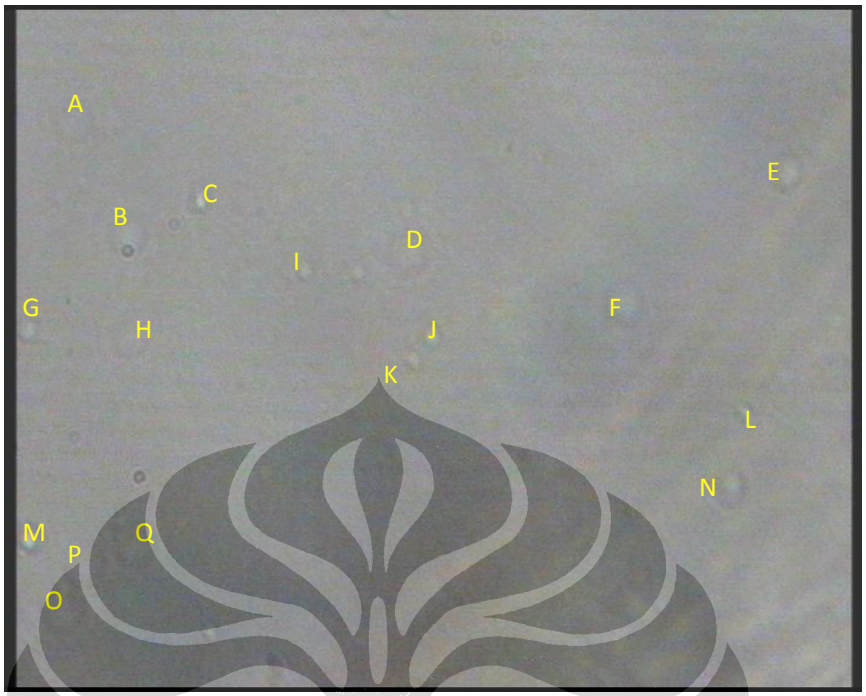
3. Foto 10756



4. Foto 10804



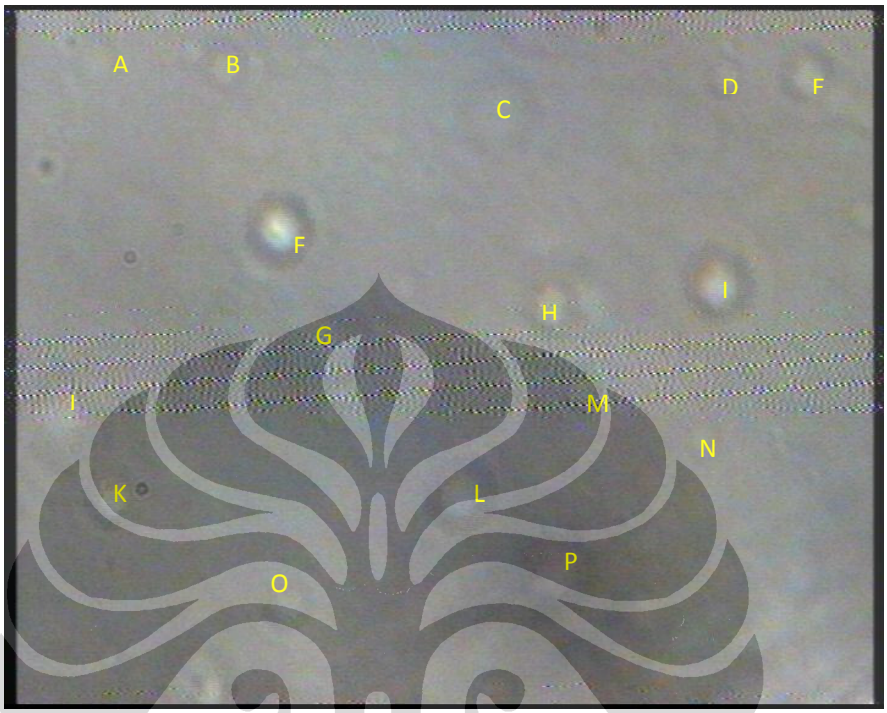
5. Foto 10816



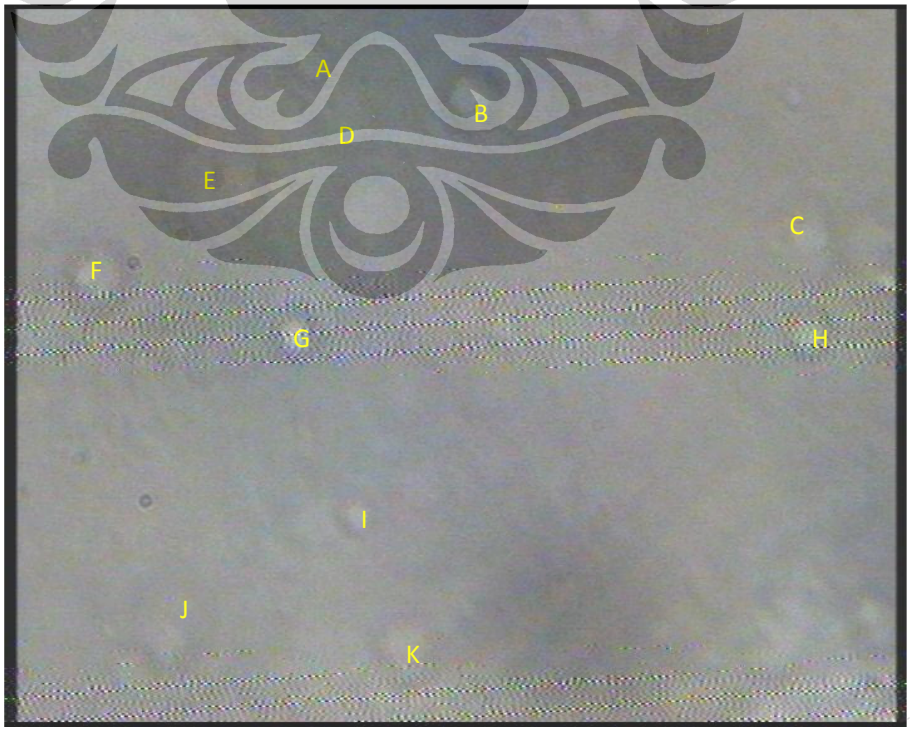
6. Foto 10903

Liposom dalam larutan $CaCl_2$ 150 mOsmol pH 5 hari ke-90 (Foto 40318, 40331, 40333, 40335, 40337, 40340)

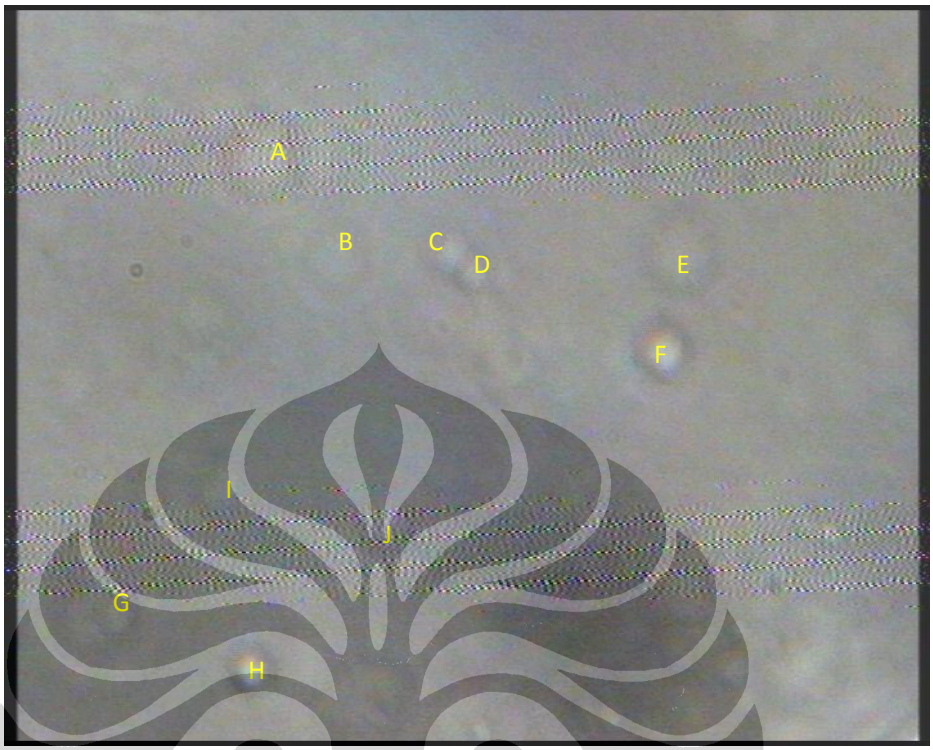
1. Foto 40318



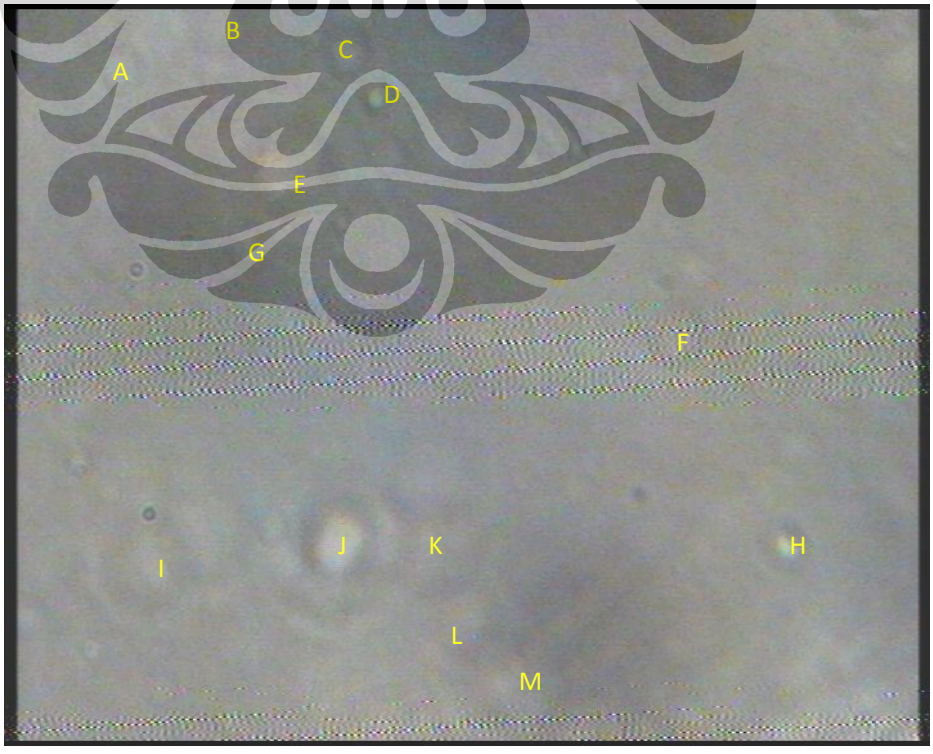
2. Foto 40331



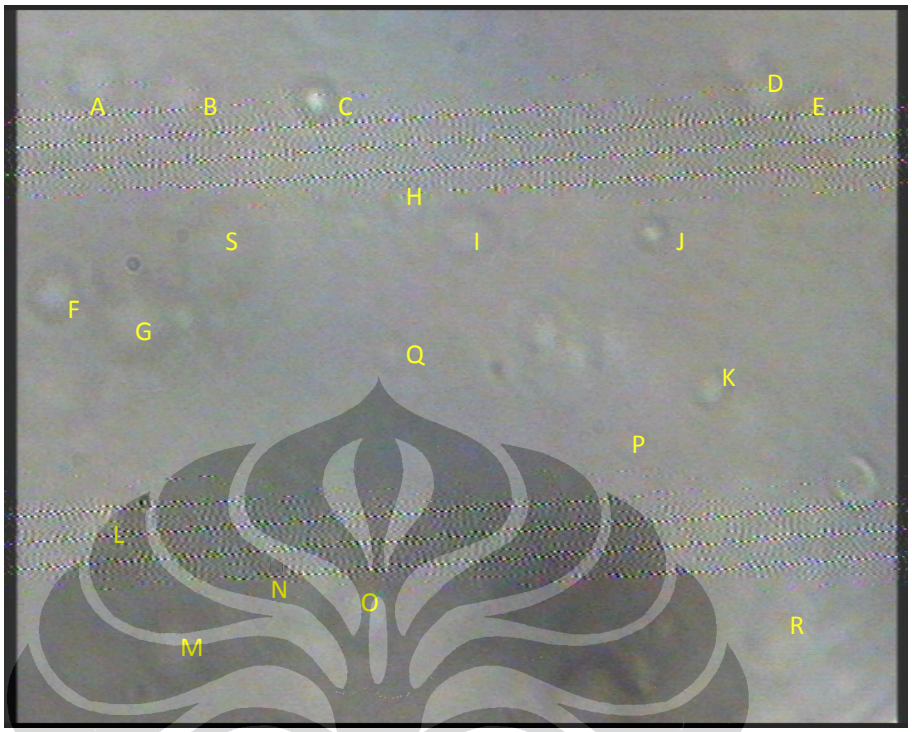
3. Foto 40333



4. Foto 40335



5. Foto 40337



6. Foto 40340

LAMPIRAN 2. HASIL PENGUKURAN DIAMETER LIPOSOM DENGAN PROGRAM *IMAGE PRO EXPRESS*

Liposom Kontrol Hari ke-1

	x_1 (piksel)	x_2 (piksel)	Mean	Diameter (nm)
Foto 1 (3436)	48,92	47,25	48,085	68,693
	37,14	34,15	35,645	50,921
	46,61	46,31	46,46	66,371
	45,95	43,03	44,49	63,557
	45,51	47,41	46,46	66,371
	45,94	41,48	43,71	62,443
	48,21	50,39	49,3	70,429
	48,35	48,96	48,655	69,507
	49,75	44,2	46,975	67,107
	40,11	38,78	39,445	56,35
Rata-rata				**64,175**
Foto 2 (3447)	50,69	47,87	49,28	70,4
	52,86	44,18	48,52	69,314
	42,17	44,02	43,095	61,564
	41,02	37,53	39,275	56,107
	32,6	34,43	33,515	47,879
	35,75	34,34	35,045	50,064
	44,39	52,11	48,25	68,929
	50,26	56,39	53,325	76,179
	39,3	41,68	40,49	57,843
	41,24	39,69	40,465	57,807
Rata-rata				**61,609**
Foto 3 (3517)	41,73	38,64	40,185	57,407
	40,94	39,78	40,36	57,657
	39,51	43,02	41,265	58,95
	37,36	32,65	35,005	50,007
	49,13	46,86	47,995	68,564
	29,43	31,41	30,42	43,457
	51,68	48,71	50,195	71,707
	55,07	51,53	53,3	76,143
	42,29	46,88	44,585	63,693
	36,13	36,8	36,465	52,093
Rata-rata				**59,968**
Foto 4 (3522)	51,51	49,98	50,745	72,493
	51,45	50,84	51,145	73,064
	37,28	35,44	36,36	51,943
	46,39	46,16	46,275	66,107
	47,35	49,67	48,51	69,3
	39,66	41,24	40,45	57,786
	33,72	30,07	31,895	45,564
	41,01	40,59	40,8	58,286

	37,11	37,26	37,185	53,121
	43,81	44,61	44,21	63,157
Rata-rata				**61,082**
Foto 5 (3507)	42,28	40,21	41,245	58,921
	31,8	31,35	31,575	45,107
	44	42,99	43,495	62,136
	34,33	34,2	34,265	48,95
	49,19	49,85	49,52	70,743
	39,97	35,8	37,885	54,121
	37,2	40,57	38,885	55,55
	32,54	32,4	32,47	46,386
Rata-rata				**55,239**
Foto 6 (3443)	43,07	45,08	44,075	62,964
	48,09	50,84	49,465	70,664
	52,67	50,53	51,6	73,714
	42,48	37,89	40,185	57,407
	36,69	35,09	35,89	51,271
	38,87	35,92	37,395	53,421
	49,62	48,26	48,94	69,914
	47,17	45,98	46,575	66,536
	35,83	33,42	34,625	49,464
	47,56	44,62	46,09	65,843
Rata-rata				**62,12**

Liposom Kontrol Hari ke-90

	x_1 (piksel)	x_2 (piksel)	Mean	Diameter (nm)
Foto 1 (33446)	42,53	42,1	42,315	60,45
	39,5	37,04	38,27	54,671
	39,79	37,39	38,59	55,129
	53,27	53,41	53,34	76,2
	48,99	50,56	49,775	71,107
	42,23	43,41	42,82	61,171
Rata-rata				**63,121**
Foto 2 (33438)	41,08	42,06	41,57	59,386
	42,62	41,92	42,27	60,386
	35,57	33,95	34,76	49,657
	52,15	50,62	51,385	73,407
	45,68	41,05	43,365	61,95
	52,54	59,67	56,105	80,15
	36,16	38,22	37,19	53,129
	45,39	48,8	47,095	67,279
Rata-rata				**63,168**
Foto 3 (33431)	53,64	50,26	51,95	74,214
	56,47	51,75	54,11	77,3
	40,1	40,97	40,535	57,907

	35,85	31,1	33,475	47,821
	33,68	37	35,34	50,486
	49,23	48,37	48,8	69,714
	51,73	50,12	50,925	72,75
	37,51	35,62	36,565	52,236
	42,07	40,98	41,525	59,321
	49,28	44,26	46,77	66,814
Rata-rata				**62,856**
Foto 4 (33422)	54,59	54	54,295	77,564
	31,24	34,29	32,765	46,807
	61,9	58,49	60,195	85,993
	54,32	54,22	54,27	77,529
Rata-rata				**71,973**
Foto 5 (33424)	58,39	58,64	58,515	83,593
	40,3	42,74	41,52	59,314
	36,55	35,19	35,87	51,243
	54,78	51,68	53,23	76,043
	40,62	41,86	41,24	58,914
	52,43	55,21	53,82	76,886
	47,52	49,56	48,54	69,343
	49,19	49,94	49,565	70,807
Rata-rata				**68,268**
Foto 6 (3443)	35,94	37,91	36,925	52,75
	54,93	53,98	54,455	77,793
	48,48	49,55	49,015	70,021
	45,83	44,2	45,015	64,307
	40	41,99	40,995	58,564
	45,47	46,06	45,765	65,379
	46,01	44	45,005	64,293
	49,06	46,35	47,705	68,15
	61,34	62,25	61,795	88,279
	46,03	47,84	46,935	67,05
Rata-rata				**67,659**

Liposom dalam larutan $CaCl_2$ 150 mOsmol pH 5 hari ke-1

	x_1 (piksel)	x_2 (piksel)	Mean	Diameter (nm)
Foto 1 (10733)	32,16	33,6	32,88	46,971
	30,85	32,87	31,86	45,514
	34,01	34,45	34,23	48,9
	35,39	37,87	36,63	52,329
	50,5	46,41	48,455	69,221
	46,42	43,68	45,05	64,357
	31,08	33,84	32,46	46,371
	42,27	42,3	42,285	60,407
	36,55	34,75	35,65	50,929

	47,94	47,01	47,475	67,821
Rata-rata				**55,282**
Foto 2 (10745)	44,2	42,63	43,415	62,021
	40,99	38,46	39,725	56,75
	34,69	34,55	34,62	49,457
	31,4	32,01	31,705	45,293
	30,75	30,23	30,49	43,557
	36,77	38,82	37,795	53,993
	37,52	37,07	37,295	53,279
	34,73	36,12	35,425	50,607
	39,37	40,36	39,865	56,95
	31,67	30,55	31,11	44,443
Rata-rata				**51,635**
Foto 3 (10756)	33,6	35,38	34,49	49,271
	31,81	31,73	31,77	45,386
	34,28	36,74	35,51	50,729
	27,53	30,34	28,935	41,336
	38,25	40,48	39,365	56,236
	40,48	40,2	40,34	57,629
	30,5	31,3	30,9	44,143
	34,53	33,75	34,14	48,771
	40,11	42,28	41,195	58,85
	31,47	32,02	31,745	45,35
Rata-rata				**49,77**
Foto 4 (10816)	40,64	40,5	40,57	57,957
	40,09	40,1	40,095	57,279
	37,34	38,49	37,915	54,164
	37,6	36,47	37,035	52,907
	41,4	44,26	42,83	61,186
	43,18	40,22	41,7	59,571
	36,96	38,34	37,65	53,786
	38,34	38,46	38,4	54,857
	34,85	36,01	35,43	50,614
	35,66	34,91	35,285	50,407
Rata-rata				**55,273**
Foto 5 (10804)	34,89	37,83	36,36	51,943
	38,04	35,38	36,71	52,443
	36,31	33,15	34,73	49,614
	24,56	24,15	24,355	34,793
	38,11	39,08	38,595	55,136
	31,35	29,75	30,55	43,643
	25,56	25,19	25,375	36,25
	16,37	17,74	17,055	24,364
	15,12	16,37	15,745	22,493
	17,64	15,15	16,395	23,421
Rata-rata				**39,41**

Foto 6 (10903)	26,45	26,87	26,66	38,086
	35,54	33,81	34,675	49,536
	15,98	15,43	15,705	22,436
	31,28	30,33	30,805	44,007
	31,28	34,52	32,9	47
	37,07	35,63	36,35	51,929
	37,29	34,25	35,77	51,1
	24,01	26,72	25,365	36,236
	12,73	10,13	11,43	16,329
	10,97	11,56	11,265	16,093
Rata-rata				**37,275**

Liposom dalam larutan $CaCl_2$ 150 mOsmol pH 5 hari ke-90

	x_1 (piksel)	x_2 (piksel)	Mean	Diameter (nm)
Foto 1 (40318)	63,95	64,26	64,105	91,579
	64,26	65,77	65,015	92,879
	69,45	67,71	68,58	97,971
	63,95	63,71	63,83	91,186
	51,9	49,9	50,9	72,714
	69,23	70,89	70,06	100,09
	42,09	40,49	41,29	58,986
	47,42	49,25	48,335	69,05
	42,34	43,28	42,81	61,157
	38,25	35,45	36,85	52,643
Rata-rata				**78,825**
Foto 2 (40331)	56,73	59,21	57,97	82,814
	61,42	60,36	60,89	86,986
	44,36	44,72	44,54	63,629
	34,79	34,73	34,76	49,657
	43,66	41,9	42,78	61,114
	63,28	61,22	62,25	88,929
	47,1	46,14	46,62	66,6
	49,81	50,05	49,93	71,329
	69,12	63,85	66,485	94,979
	65,21	68,05	66,63	95,186
Rata-rata				**76,122**
Foto 3 (40333)	69,29	71,79	70,54	100,771
	68,37	66,5	67,435	96,336
	57,16	55,69	56,425	80,607
	44,49	48,39	46,44	66,343
	48,39	51,94	50,165	71,664
	51,94	52,63	52,285	74,693
	41,55	42,77	42,16	60,229
	39,21	35,76	37,485	53,55
	42,39	45,44	43,915	62,736
	40,15	42,77	41,46	59,229

Rata-rata				**72,616**
Foto 4 (40335)	63,19	61,36	62,275	88,964
	46,3	45,09	45,695	65,279
	33,81	32,41	33,11	47,3
	42,39	41,3	41,845	59,779
	48,59	49,16	48,875	69,821
	70,42	71,92	71,17	101,671
	37,79	38,38	38,085	54,407
	38,67	39,81	39,24	56,057
	63,62	62,87	63,245	90,35
	41,6	40,76	41,18	58,829
Rata-rata				**69,246**
Foto 5 (40337)	49,48	49,23	49,355	70,507
	57,9	60,37	59,135	84,479
	38,06	36,59	37,325	53,321
	45	46,41	45,705	65,293
	67,24	66,77	67,005	95,721
	66,77	62,66	64,715	92,45
	36,55	35,78	36,165	51,664
	49,72	47,61	48,665	69,521
	42,91	38,94	40,925	58,464
	31,99	30,85	31,42	44,886
Rata-rata				**68,631**
Foto 6 (40340)	77,91	78,03	77,97	111,386
	72,21	69,74	70,975	101,393
	42,76	47,81	45,285	64,693
	44,13	50,32	47,225	67,464
	50,32	50,54	50,43	72,043
	50,54	50,63	50,585	72,264
	53,52	56,24	54,88	78,4
	71	66,1	68,55	97,929
	54,01	47,63	50,82	72,6
	77,91	78,03	77,97	111,386
Rata-rata				**82,019**

LAMPIRAN 3. UJI NORMALITAS DATA SHAPIRO-WILK

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	kelompok perlakua	Statistic	df	Sig.	Statistic	df	Sig.
diameter liposon	kontrol hari 1	,238	6	,200*	,901	6	,378
	kontrol hari 90	,290	6	,126	,853	6	,166
	CaCl2 hari 1	,250	6	,200*	,843	6	,139
	CaCl2 hari 90	,174	6	,200*	,939	6	,652

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

LAMPIRAN 4. UJI VARIANS

a. Sebelum Transformasi Data

Test of Homogeneity of Variances

diameter liposom

Levene Statistic	df1	df2	Sig.
3,846	3	20	,025

b. Sesudah Transformasi Data

Test of Homogeneity of Variances

TRAN_DIA

Levene Statistic	df1	df2	Sig.
2,549	3	20	,085

LAMPIRAN 5. *ONE WAY ANOVA* DAN UJI *POST HOC*

ANOVA

TRAN_DIA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	32583436	3	10861145,33	27,887	,000
Within Groups	7789462	20	389473,108		
Total	40372898	23			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: TRAN_DIA

LSD

(I) kelompok perlaku	(J) kelompok perlaku	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
kontrol hari 1	kontrol hari 90	-698,7082	60,31149	,067	-1450,3048	52,8884
	CaCl2 hari 1	1325,7494*	60,31149	,001	574,1528	2077,3460
	CaCl2 hari 90	1893,6285*	60,31149	,000	-2645,2251	-1142,0319
kontrol hari 90	kontrol hari 1	698,7082	60,31149	,067	-52,8884	1450,3048
	CaCl2 hari 1	2024,4576*	60,31149	,000	1272,8610	2776,0542
	CaCl2 hari 90	1194,9203*	60,31149	,003	-1946,5169	-443,3237
CaCl2 hari 1	kontrol hari 1	1325,7494*	60,31149	,001	-2077,3460	-574,1528
	kontrol hari 90	2024,4576*	60,31149	,000	-2776,0542	-1272,8610
	CaCl2 hari 90	3219,3779*	60,31149	,000	-3970,9745	-2467,7813
CaCl2 hari 90	kontrol hari 1	1893,6285*	60,31149	,000	1142,0319	2645,2251
	kontrol hari 90	1194,9203*	60,31149	,003	443,3237	1946,5169
	CaCl2 hari 1	3219,3779*	60,31149	,000	2467,7813	3970,9745

*. The mean difference is significant at the .05 level.