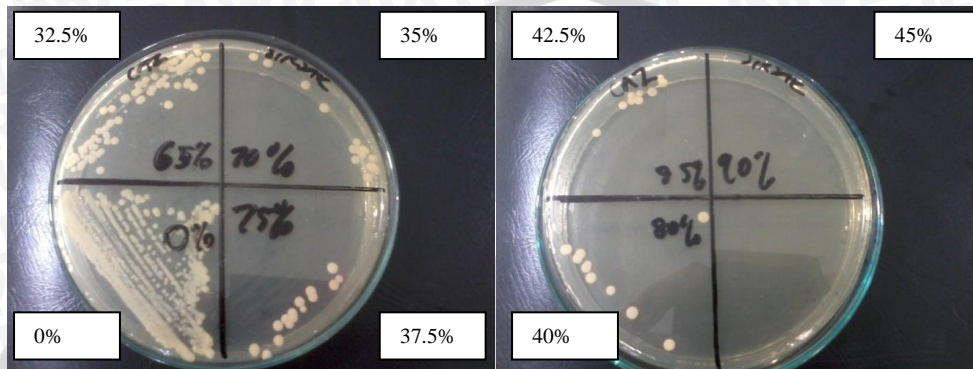


APPENDICES

Appendix 1 Result of the streaking on SDA medium



Appendix 2 Results of the data statistical analysis

One-Sample Kolmogorov-Smirnov Test

		total_colony
N		28
Normal Parameters ^a	Mean	1965.00
	Std. Deviation	1924.010
Most Extreme Differences	Absolute	.228
	Positive	.228
	Negative	-.156
Kolmogorov-Smirnov Z		1.204
Asymp. Sig. (2-tailed)		.110
a. Test distribution is Normal.		

Test of Homogeneity of Variances

total_colony			
Levene Statistic	df1	df2	Sig.
4.895	6	21	.003



One-Sample Kolmogorov-Smirnov Test

		colony_transformed
N		28
Normal Parameters ^a	Mean	5.9821
	Std. Deviation	2.89945
Most Extreme Differences	Absolute	.235
	Positive	.191
	Negative	-.235
Kolmogorov-Smirnov Z		1.245
Asymp. Sig. (2-tailed)		.090
a. Test distribution is Normal.		

Test of Homogeneity of Variances

colony_transformed

Levene Statistic	df1	df2	Sig.
2.543	6	21	.052

ANOVA

colony_transformed

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	226.796	6	37.799	4.238E3	.000
Within Groups	.187	21	.009		
Total	226.983	27			



Multiple Comparisons

colony_transformed

Tukey HSD

(I) concentration	(J) concentration	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0%	32.5%	-.11100	.06678	.646	-.3281	.1061
	35%	.40613*	.06678	.000	.1891	.6232
	37.5%	1.09793*	.06678	.000	.8808	1.3150
	40%	2.72375*	.06678	.000	2.5067	2.9408
	42.5%	4.20648*	.06678	.000	3.9894	4.4236
	45%	8.36628*	.06678	.000	8.1492	8.5834
32.5%	0%	.11100	.06678	.646	-.1061	.3281
	35%	.51713*	.06678	.000	.3001	.7342
	37.5%	1.20893*	.06678	.000	.9918	1.4260
	40%	2.83475*	.06678	.000	2.6177	3.0518
	42.5%	4.31748*	.06678	.000	4.1004	4.5346
	45%	8.47728*	.06678	.000	8.2602	8.6944
35%	0%	-.40613*	.06678	.000	-.6232	-.1891
	32.5%	-.51713*	.06678	.000	-.7342	-.3001
	37.5%	.69179*	.06678	.000	.4747	.9089
	40%	2.31762*	.06678	.000	2.1005	2.5347
	42.5%	3.80035*	.06678	.000	3.5833	4.0174
	45%	7.96015*	.06678	.000	7.7431	8.1772
37.5%	0%	-1.09793*	.06678	.000	-1.3150	-.8808
	32.5%	-1.20893*	.06678	.000	-1.4260	-.9918
	35%	-.69179*	.06678	.000	-.9089	-.4747
	40%	1.62583*	.06678	.000	1.4088	1.8429
	42.5%	3.10856*	.06678	.000	2.8915	3.3256
	45%	7.26836*	.06678	.000	7.0513	7.4854
40%	0%	-2.72375*	.06678	.000	-2.9408	-2.5067
	32.5%	-2.83475*	.06678	.000	-3.0518	-2.6177



	35%	-2.31762*	.06678	.000	-2.5347	-2.1005
	37.5%	-1.62583*	.06678	.000	-1.8429	-1.4088
	42.5%	1.48273*	.06678	.000	1.2657	1.6998
	45%	5.64253*	.06678	.000	5.4255	5.8596
42.5%	0%	-4.20648*	.06678	.000	-4.4236	-3.9894
	32.5%	-4.31748*	.06678	.000	-4.5346	-4.1004
	35%	-3.80035*	.06678	.000	-4.0174	-3.5833
	37.5%	-3.10856*	.06678	.000	-3.3256	-2.8915
	40%	-1.48273*	.06678	.000	-1.6998	-1.2657
	45%	4.15980*	.06678	.000	3.9427	4.3769
45%	0%	-8.36628*	.06678	.000	-8.5834	-8.1492
	32.5%	-8.47728*	.06678	.000	-8.6944	-8.2602
	35%	-7.96015*	.06678	.000	-8.1772	-7.7431
	37.5%	-7.26836*	.06678	.000	-7.4854	-7.0513
	40%	-5.64253*	.06678	.000	-5.8596	-5.4255
	42.5%	-4.15980*	.06678	.000	-4.3769	-3.9427

*. The mean difference is significant at the 0.05 level.

Nonparametric Correlations

Correlations

		concentration	total_colony
Spearman's rho	concentration	Correlation Coefficient	1.000
		Sig. (2-tailed)	.000
		N	28
total_colony		Correlation Coefficient	-.956**
		Sig. (2-tailed)	.000
		N	28

** . Correlation is significant at the 0.01 level (2-tailed).