

APPENDIX A

1. Amount of observed TAG for all samples

RUN*	OOO*	POO*	PPO*	PPP*
1	18.53	47.72	28.85	6.20
2	8.92	45.14	35.75	10.20
3	24.24	48.62	23.25	3.58
4	27.97	46.96	19.62	3.75
5	11.96	41.28	37.83	8.94
6	5.76	36.87	49.47	7.90
7	19.62	45.05	30.80	6.68
8	19.80	47.75	28.16	5.04
9	27.58	49.68	20.28	2.46
10	31.23	45.86	20.13	3.78
11	22.41	48.29	26.43	4.00
12	8.16	33.24	42.56	16.04
13	13.69	44.85	36.32	5.14
14	21.39	48.63	25.79	4.19
15	8.73	41.70	44.58	4.99
16	21.17	45.33	27.64	5.24
17	22.95	46.17	25.85	5.12
18	12.48	43.35	35.65	8.44
19	15.62	42.72	34.01	7.65
20	17.85	46.47	30.65	8.00
21	28.42	44.61	24.42	4.72
22	32.48	45.25	18.66	2.78
23	22.23	46.85	25.69	4.53
24	10.64	41.82	37.90	7.93
25	21.95	44.33	31.65	6.67
26	15.58	42.34	37.76	5.96
27	13.32	44.43	36.03	7.72
28	8.56	38.07	47.37	8.77
29	8.70	37.42	44.13	9.75
30	17.73	43.76	31.93	6.57
PS	1.84	16.15	44.63	35.14
PMPS	7.33	32.27	44.14	14.78
PSOA	0.95	10.97	64.57	23.99
TLIM	11.52	51.65	37.10	0.69
AK	1.29	15.52	60.78	21.73

2. Analysis of variance (ANOVA) for FAC, SMP, TAG (OOO, POO, PPO and PPP)

2.1 FAC

Source	DF	SS	MS	F	P
Sample	6	403.580	67.263	83.38	0.000
Error	14	11.294	0.807		
Total	20	414.874			
R ²	97.28%				
R ² (adj.)	96.11%				

2.2 SMP

Source	DF	SS	MS	F	P
Sample	6	422.885	70.481	466.91	0.000
Error	14	2.113	0.151		
Total	20	424.998			
R ²	99.50%				
R ² (adj.)	99.29%				

2.3 TAG(OOO, POO, PPO and PPP)

(a) One-way ANOVA of OOO

Source	DF	SS	MS	F	P
Sample	6	65.16	10.86	40.34	0.000
Error	7	1.88	0.27		
Total	13	67.04			
R ²	97.19%				
R ² (adj.)	94.78%				

(b) One-way ANOVA of POO/OPO

Source	DF	SS	MS	F	P
Sample	6	1054.60	175.77	252.00	0.000
Error	7	4.88	0.70		
Total	13	1059.48			
R ²	99.54%				
R ² (adj.)	99.14%				

(c) One-way ANOVA of PPO

Source	DF	SS	MS	F	P
Sample	6	567.66	94.61	56.77	0.000
Error	7	11.67	1.67		
Total	13	579.33			
R ²	97.99%				
R ² (adj.)	96.26%				

(d) One-way ANOVA of PPP

Source	DF	SS	MS	F	P
Sample	6	975.55	162.59	89.27	0.000
Error	7	12.75	1.82		
Total	13	988.30			
R ²	98.71%				
R ² (adj.)	97.60%				

UNIVERSITI SAINS ISLAM MALAYSIA
 جامعة العلوم الإسلامية
 ISLAMIC SCIENCE UNIVERSITY OF MALAYSIA