

## VII. LAMPIRAN

Lampiran 1. Ukuran PSM Teridentifikasi Mikroskop

Sampel	Ulangan	Kode Sampel	Jumlah partikel (mikroskop)	Ukuran Partikel						
				<20	20-50	>50-100	>100-500	>500-1000	>1000-5000	>5000
AZ	1	A1	1808	1603	172	21	11	1	0	0
		A2	1373	1117	203	30	19	4	0	0
		A3	620	428	108	41	32	7	4	0
		A4	80	0	26	21	23	7	3	0
	2	B1	157	10	41	45	41	13	7	0
		B2	128	8	12	14	54	23	10	7
		B3	126	1	34	41	38	7	5	0
		B4	66	0	8	22	27	6	3	0
Rerata		544,75	395,88	75,50	29,38	30,63	8,50	4,00	0,88	
Stdev		679,50	626,43	76,14	11,62	13,64	6,76	3,38	2,47	
BE	1	A1	216	109	45	25	33	2	2	0
		A2	442	273	77	36	40	10	6	0
		A3	49	0	13	16	14	3	3	0
		A4	104	30	19	15	30	8	2	0
	2	B1	57	1	3	19	28	5	1	0
		B2	41	2	10	12	10	5	2	0
		B3	99	22	30	13	15	9	10	0
		B4	69	21	19	6	14	5	4	0
Rerata		134,63	57,25	27,00	17,75	23,00	5,88	3,75	0,00	

Stdev		136,14	94,13	23,97	9,19	11,07	2,85	2,96	0,00	
Lanjutan Lampiran 1. Ukuran PSM Teridentifikasi Mikroskop										
DR	1	A1	186	28	14	21	63	17	31	12
		A2	82	5	17	19	31	9	1	0
		A3	29	0	1	13	9	5	1	0
		A4	52	0	8	13	28	0	3	0
	2	B1	35	1	9	9	14	2	0	0
		B2	38	2	3	10	14	6	3	0
		B3	35	0	3	13	14	3	2	0
		B4	29	0	1	8	9	9	2	0
Rerata		60,75	4,50	7,00	13,25	22,75	6,38	5,38	1,50	
Stdev		53,55	9,65	6,07	4,62	18,22	5,34	10,41	4,24	
DZ	1	A1	73	0	11	21	32	3	6	0
		A2	39	0	9	8	19	3	0	0
		A3	68	1	31	16	15	4	1	0
		A4	43	0	15	12	12	0	4	0
	2	B1	76	0	6	24	37	5	4	0
		B2	62	0	8	27	24	3	0	0
		B3	76	0	16	23	26	7	4	0
		B4	41	0	8	14	12	5	2	0
Rerata		59,75	0,13	13,00	18,13	22,13	3,75	2,63	0,00	
Stdev		16,21	0,35	8,07	6,62	9,28	2,05	2,20	0,00	

Lanjutan Lampiran 1. Ukuran PSM Teridentifikasi Mikroskop

MA	1	A1	91	0	21	26	34	9	1	0
		A2	46	1	13	13	13	4	2	0
		A3	38	0	8	13	15	1	1	0
		A4	45	0	8	8	17	6	5	1
	2	B1	83	19	26	8	23	6	1	0
		B2	68	8	14	17	17	6	6	0
		B3	303	212	50	29	10	1	1	0
		B4	941	287	216	120	224	77	15	2
Rerata			201,88	65,88	44,50	29,25	44,13	13,75	4,00	0,38
Stdev			310,91	115,28	70,63	37,47	73,05	25,70	4,87	0,74

Lampiran 2. Bentuk dan Jumlah PSM pada Blanko

Kode Blanko	Film	Fragmen	Filamen	Fibre	Pellet
1	0	4	0	0	2
2	0	3	0	0	1
3	0	2	0	0	2
4	0	3	0	1	0
5	0	3	0	0	0
Rerata	0	3	0	0,2	1
Stdev	0	0,7	0	0,4	1

Lampiran 3. Data Kontrol Udara

Kode Kontrol Udara	Kode Sampel	Warna	Bentuk				Total
			Film	Fragmen	Fiber	Pellet	
1	AZ(A1&A2)	Abu-Abu			2		2
		Bening					0
		Biru			1	3	4
		Coklat		1			1
		Hijau					0
		Hitam		1			1
		Kuning					0
		Merah					0
		Ungu					0
		Total			0	2	3
2	AZ (A3)	Abu-Abu					0
		Bening			1		1
		Biru					0
		Coklat					0
		Hijau		1			1
		Hitam		2		1	3
		Kuning		1			1
		Merah					0
		Ungu					0
		Total			0	4	1
3	AZ (A4)	Abu-Abu					0
		Bening		1			1
		Biru			1		1
		Coklat		1			1
		Hijau					0
		Hitam		2			2
		Kuning					0
		Merah					0
		Ungu					0

Total	0	4	1	0	5
-------	---	---	---	---	---

## Lanjutan Lampiran 3. Data Kontrol Udara

4	BE (A1&A2)	Abu-Abu		1	1
		Bening	2	1	3
		Biru			0
		Coklat	1		1
		Hijau			0
		Hitam			0
		Kuning			0
		Merah			0
		Ungu			0
Total			0	3	2
					0
					5
5	BE(A3&A4)	Abu-Abu		1	1
		Bening	1		1
		Biru			0
		Coklat		1	1
		Hijau			0
		Hitam	2		2
		Kuning	1		1
		Merah			0
		Ungu			0
Total			4	1	1
					0
					6
6	DR(A1&A4)	Abu-Abu			0
		Bening	1		1
		Biru			0
		Coklat	1		1
		Hijau			0
		Hitam			0
		Kuning	1		1
		Merah			0
		Ungu			0
Total			0	3	0
					0
					3
7	DR(A2&A3)	Abu-Abu			0
		Bening		2	2
		Biru			0
		Coklat			0
		Hijau	1	1	2
		Hitam			0
		Kuning			0
		Merah			0
		Ungu			0

Total	0	1	3	0	4
-------	---	---	---	---	---

## Lanjutan Lampiran 3. Data Kontrol Udara

8	MA (A1 &A2)	Abu-Abu	1			1
		Bening		1		1
		Biru				0
		Coklat	1			1
		Hijau				0
		Hitam				0
		Kuning				0
		Merah				0
		Ungu				0
Total			0	2	1	0
9	MA (A3&A4)	Abu-Abu			1	1
		Bening				0
		Biru	1			1
		Coklat	1			1
		Hijau				0
		Hitam				0
		Kuning				0
		Merah				0
		Ungu				0
Total			0	2	1	0

Lampiran 4. Data Bentuk PSM pada AMDK Galon Isi Ulang

Sampel	Kode Sampel	Bentuk									
		Fragmen*	Fragmen**	Pellet*	Pellet**	Fiber*	Fiber**	Film*	Film**	Filamen*	Filamen**
AZ	A1	1313	1312	399	398	36	35	56	56	0	0
	A2	1020	1019	216	215	28	27	99	99	0	0
	A3	297	283	250	249	31	30	47	47	1	1
	A4	42	38	7	7	18	17	9	9	0	0
	B1	97	96	3	3	36	35	16	16	2	2
	B2	99	98	2	2	19	18	2	2	2	2
	B3	80	78	1	1	28	27	12	11	1	1
	B4	31	29	0	0	17	16	13	12	1	1
Rerata		372,38	369,13	109,75	109,38	26,63	25,63	31,75	31,50	0,88	0,88
Stdev		503,08	503,84	156,78	156,29	7,78	7,78	33,24	33,41	0,83	0,83
Sampel	Kode Sampel	Bentuk									
		Fragmen*	Fragmen**	Pellet*	Pellet**	Fiber*	Fiber**	Film*	Film**	Filamen*	Filamen**
BE	A1	147	147	9	9	20	20	37	36	2	0
	A2	402	347	39	34	34	34	25	22	2	1
	A3	27	27	2	2	13	13	3	3	4	0
	A4	60	64	3	3	23	23	13	10	1	0
	B1	29	29	0	0	19	19	3	3	2	2
	B2	22	22	5	5	10	10	0	0	0	0
	B3	58	61	2	1	30	29	2	2	3	0
	B4	34	34	8	7	18	17	4	4	1	1
Rerata		97,38	91,38	8,50	7,63	20,88	20,63	10,88	10,00	1,88	0,50

Stdev	129,58	111,00	12,71	11,08	8,04	7,95	13,39	12,64	1,25	0,76
-------	--------	--------	-------	-------	------	------	-------	-------	------	------

Lanjutan Lampiran 4. Data Bentuk PSM pada AMDK Galon Isi Ulang

Sampel	Kode Sampel	Bentuk									
		Fragmen*	Fragmen**	Pellet*	Pellet**	Fiber*	Fiber**	Film*	Film**	Filamen*	Filamen**
DR	A1	105	105	23	23	39	39	12	14	3	1
	A2	39	39	2	2	24	24	11	11	2	2
	A3	6	8	0	1	9	9	6	6	4	2
	A4	22	23	3	3	9	9	13	13	1	0
	B1	21	24	0	0	9	9	1	1	0	0
	B2	16	19	0	0	19	19	0	0	0	0
	B3	20	20	0	0	7	7	3	2	1	1
	B4	14	9	0	0	12	12	0	5	0	0
Rerata		30,38	30,88	3,50	3,63	16,00	16,00	5,75	6,50	1,38	0,75
Stdev		31,57	31,47	7,96	7,91	10,99	10,99	5,55	5,53	1,51	0,89
Sampel	Kode Sampel	Bentuk									
		Fragmen*	Fragmen**	Pellet*	Pellet**	Fiber*	Fiber**	Film*	Film**	Filamen*	Filamen**
DZ	A1	19	19	7	7	36	36	6	6	1	1
	A2	15	15	2	2	8	8	10	10	0	0
	A3	35	35	11	11	15	15	3	3	0	0
	A4	24	24	3	3	6	6	5	5	1	1
	B1	32	35	3	3	12	12	22	22	3	0
	B2	27	27	5	5	13	13	11	11	3	3
	B3	27	27	12	12	9	9	25	25	0	0



	B4	13	13	2	2	11	11	9	8	3	3
Rerata		24,00	24,38	5,63	5,63	13,75	13,75	11,38	11,25	1,38	1,00
Stdev		7,84	8,33	4,00	4,00	9,44	9,44	7,98	8,03	1,41	1,31

Lanjutan Lampiran 4. Data Bentuk PSM pada AMDK Galon Isi Ulang

Sampel	Kode Sampel	Bentuk									
		Fragmen*	Fragmen**	Pellet*	Pellet**	Fiber*	Fiber**	Film*	Film**	Filamen*	Filamen**
MA	A1	40	40	5	5	29	29	13	13	0	0
	A2	23	23	1	1	9	9	7	7	2	2
	A3	12	17	6	6	4	4	10	7	2	0
	A4	19	22	5	5	11	11	3	2	1	0
	B1	47	46	4	4	19	19	9	9	0	0
	B2	31	30	2	2	20	20	9	9	2	2
	B3	177	175	51	51	30	29	38	38	2	2
	B4	360	356	85	84	275	277	214	211	1	2
Rerata		88,63		19,88		49,63		37,88		1,25	
Stdev		121,83		31,11		91,53		71,97		0,89	

Lampiran 5. Polimer Plastik Terdeteksi FTIR

Polimer Plastik Terdeteksi	AZ	BE	DR	DZ	MA	Total	Polimer Plastik Terdeteksi	AZ	BE	DR	DZ	MA	Total
PVC	58	28	34	19	21	160	LDPE	2	1	0	0	1	4
NYLON	23	28	38	24	30	143	PPO	1	0	1	0	2	4
PAA	44	20	18	17	16	115	Polybutyl Methacrylate	0	1	2	1	0	4
FEP	38	14	20	10	15	97	PCTFE	0	1	0	3	0	4
PE	28	11	15	9	3	66	HPC	0	1	2	1	0	4
PAM	14	16	12	15	0	57	EEA	0	0	1	0	3	4
POLYESTER	10	11	7	11	11	50	ABS	2	1	0	0	0	3
PDAP	19	5	6	3	11	44	SEB	1	2	0	0	0	3
PP	15	6	5	11	7	44	PVDC	1	1	0	1	0	3
LLDPE	9	11	5	4	8	37	Rubber	2	0	0	0	0	2
ACRYLIC	8	6	9	5	6	34	PVDF	0	2	0	0	0	2
EVOH	7	8	4	6	8	33	PBT	0	1	0	0	1	2
PE_PP	10	2	4	0	3	19	Methylcellulose	1	0	0	0	0	1
EPOXY	5	5	3	2	2	17	CA	1	0	0	0	0	1
SILICON	0	9	2	2	4	17	PET	0	0	1	0	0	1
EVA	7	1	3	2	2	15	PES	0	1	0	0	0	1
PCL	1	4	0	3	1	9	PEI	0	1	0	0	0	1
PAR	2	0	4	0	0	6	MELAMIN	0	0	0	0	1	1
EAA	1	4	1	0	0	6							
PC	0	2	2	1	1	6							
PU	2	1	0	2	0	5							
PS	1	4	0	0	0	5							
POM	2	1	0	0	1	4							

## PAPER NAME

TA-17.11.0119.docx

## WORD COUNT

7430 Words

## CHARACTER COUNT

45193 Characters

## PAGE COUNT

36 Pages

## FILE SIZE

137.2KB

## SUBMISSION DATE

Jan 9, 2023 10:22 AM GMT+7

## REPORT DATE

Jan 9, 2023 10:23 AM GMT+7

● **14% Overall Similarity**

The combined total of all matches, including overlapping sources, for each database.

- 13% Internet database
- 5% Publications database
- Crossref database
- Crossref Posted Content database
- 8% Submitted Works database

● **Excluded from Similarity Report**

- Bibliographic material
- Quoted material
- Cited material
- Small Matches (Less than 10 words)