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PERSETUJUAN SETELAH PENJELASAN (PSP)

Saya yang bertanda tangan di bawah ini :

No. Responden :

Nama :

diminta kesediaan dalam penelitian :

Judul Penelitian : PERBEDAAN JUMLAH MIKROPLASTIK PADA FESES BERDASARKAN KONSUMSI SEAFOOD IBU HAMIL DI KOTA MAKASSAR TAHUN 2020

Nama Peneliti : ERVINA SEPTAMI AR

NIM : K012181008

Program Studi : S2 Ilmu Kesehatan Masyarakat FKM UNHAS

Jurusan : Kesehatan Lingkungan

Menyatakan dengan ini saya bersedia untuk berperan dalam penelitian ini sebagai responden. Saya akan memberikan keterangan sesuai pedoman kuesioner dan bersedia diambil sampel feses untuk diperiksa kadar mikroplastik di laboratorium

Apabila pada saat melakukan kegiatan penelitian, ada sikap atau pernyataan peneliti yang tidak berkenan maka peneliti akan menghentikan pengumpulan data dan responden dapat mengajukan hak untuk mengundurkan diri dari penelitian ini tanpa resiko apapun.

Saya mengerti bahwa kerahasiaan sehubungan dengan penelitian ini dapat dijaga oleh peneliti. Semua data hanya akan digunakan untuk pengolahan data dan tidak akan disalahgunakan.

Demikian pernyataan ini saya buat dengan sebenarnya tanpa paksaan dari siapapun.

Makassar, 2020
Responden

FORMULIR PERSETUJUAN MENJADI RESPONDEN (INFORMED CONSENT)

Judul Penelitian: **PERBEDAAN JUMLAH MIKROPLASTIK PADA
FESES BERDASARKAN KONSUMSI SEAFOOD
IBU HAMIL DI KOTA MAKASSAR TAHUN 2020.**

Penelitian ini bertujuan untuk mengetahui hubungan konsumsi seafood dengan keberadaan mikroplastik pada ibu hamil di Kota Makassar Tahun 2020.

Ibu hamil trimester pertama dan kedua adalah responden pada penelitian ini yang akan dilakukan wawancara singkat tentang pola makan responden dan diminta untuk mengisi kuesioner perihal nama, alamat, pekerjaan, umur, usia kandungan dan pola konsumsi makanan laut. Selain mengisi kuesioner, akan dilakukan pengambilan sampel feses.

Responden yang terlibat dalam penelitian ini akan memperoleh informasi mengenai manfaat konsumsi seafood dan keberadaan mikroplastik pada feses.

Data yang diambil akan dipublikasikan tanpa menyebutkan nama, alamat, nomor telepon atau identitas penting lainnya yang dianggap rahasia. Oleh karena itu kerahasiaan responden akan sangat dijaga dalam proses penelitian ini.

Tidak ada bahaya potensial yang diakibatkan oleh keterlibatan responden sebagai subjek dalam penelitian ini, karena dalam penelitian ini sampel yang diambil adalah feses serta wawancara dan kuesioner.

Keikutsertaan sebagai responden dalam penelitian ini bersifat sukarela dan berhak untuk mengundurkan diri kapan pun, tanpa menimbulkan konsekuensi yang merugikan.

KUESIONER RISET KESEHATAN LINGKUNGAN IBU DAN ANAK

A. IDENTITAS IBU			
1.	Nama Lengkap		2. Umur Kehamilan : <input type="checkbox"/> minggu <input type="checkbox"/> hari
3.	Tanggal lahir <input type="text"/> - <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/>		4. Pendidikan terakhir 1 Tidak Sekolah 5 Tamat D3
5.	Suku:	a. Ayah b. Ibu	2 Tamat SD 6 S1 3 Tamat SMP 7 S2 4 Tamat SMA
6.	Alamat	Jalan : RT : <input type="text"/> RW: <input type="text"/> Nomor Rumah HP Pribadi: <input type="text"/> No.WA <input type="text"/>	
7.	B. IDENTITAS SUAMI		
8.	Nama Lengkap		
9.	Tanggal lahir <input type="text"/> - <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/>		10. Pendidikan terakhir 1 Tidak Sekolah 5 Tamat D3
11.	Suku:	a. Ayah ... b. Ibu	2 Tamat SD 6 S1 3 Tamat SMP 7 S2 4 Tamat SMA

	12.	Alamat	Jalan :		
RT :			RW:	Nomor Rumah	
Nomor HP :			Nomor WA		
13.	Pekerjaan				
14.	Rata-rata Penghasilan Keluarga Per Bulan		Rp. <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>		

Tanggal Wawancara	Tanda tangan Pewawancara
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C. RIWAYAT KEHAMILAN

15.	Kehamilan sekarang adalah kehamilan ke (bila pertama, lompat ke D)						
	Bila kehamilan sekarang adalah kehamilan kedua dst, tuliskan riwayat kehamilan sebelumnya						
16.	(1) Anak ke	(2) Lahir Tahun	(3) Kondisi 1. Keguguran 2. Lahir mati 3. Lahir hidup (lanjut ke(4))	(4) BB/TB lahir (gr/cm)	(5) Kondisi saat lahir 1. Normal (lanjut ke (7)) 2. Tidak normal (lanjut ke (6))	(6) Bila tidak normal, sebutkan kondisinya	(7) Bagaimana kondisi saat ini 1. Normal 2. Tidak normal
.a	1		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
.b	2		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
.c	3		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
.d	4		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
.e	5		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

C. KONSUMSI SEAFOOD			
Pertanyaan berikut berhubungan dengan konsumsi makanan laut			
17	Berapa sering anda mengkonsumsi jenis makanan laut dalam seminggu?	1. Sering >3x/mg 2. Jarang <3x/mg 3. Tidak pernah	<input type="checkbox"/>
18	Berapa banyak anda mengkonsumsi jenis makanan laut dalam seminggu?	1. Tinggi > 12 ons/mg 2. Sedang 12 ons/mg 3. Rendah < 12 ons/mg (FDA =12 ons/mg)	<input type="checkbox"/>
19	Jenis makanan laut yang dikonsumsi sehari-hari 1. Ikan Tongkol 2. Ikan Layang 3. Ikan Tembang 4. Ikan Baronang 5. Ikan Kembung 6. Ikan Tuna 7. Ikan Teri 8. Lainnya 9. Kerang 10. Udang 11. Cumi 12. Kepiting		<input type="checkbox"/>

PENGUKURAN BADAN			
1.Berat Badan (kg)	<input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/>	3.IMB (BB/TB ²):	<input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/>
2.Tinggi Badan (cm)	<input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/>	4.Lingkar perut (cm)	<input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/>

HASIL ANALISIS SPSS

Frequency Table

Umur kehamilan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Trimester 1	11	36.7	36.7	36.7
	Trimester 2	17	56.7	56.7	93.3
	Trimester 3	2	6.7	6.7	100.0
	Total	30	100.0	100.0	

Umur Ibu

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	20	5	16.7	16.7	16.7
	20 - 30	15	50.0	50.0	66.7
	30 - 35	5	16.7	16.7	83.3
	35 - 40	4	13.3	13.3	96.7
	40 - 45	1	3.3	3.3	100.0
	Total	30	100.0	100.0	

Pendidikan terakhir Ibu

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak Sekolah	1	3.3	3.3	3.3
	Pendidikan Dasar	13	43.3	43.3	46.7

Pendidikan Menengah	11	36.7	36.7	83.3
Pendidikan Tinggi	5	16.7	16.7	100.0
Total	30	100.0	100.0	

Pekerjaan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Guru yayasan	1	3.3	3.3	3.3
	IRT	28	93.3	93.3	96.7
	PNS	1	3.3	3.3	100.0
	Total	30	100.0	100.0	

Standar Upah minimum kota Makassar

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Kurang dari UMR	26	86.7	86.7	86.7
	Lebih dari UMR	4	13.3	13.3	100.0
	Total	30	100.0	100.0	

Kehamilan sekarang adalah kehamilan ke

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	7	23.3	23.3	23.3
	2	12	40.0	40.0	63.3
	3	6	20.0	20.0	83.3

4	1	3.3	3.3	86.7
5	2	6.7	6.7	93.3
6	1	3.3	3.3	96.7
11	1	3.3	3.3	100.0
Total	30	100.0	100.0	

Jumlah Mikroplastik

Descriptive Statistics

	Statistic	N	Minimum	Maximum	Mean	Std. Deviation	Skewness	
		Statistic	Statistic	Statistic	Statistic	Statistic	Statisti c	Std. Error
Jumlah Mikroplastik		30	5	21	11.90	4.700	.345	.427
Valid N (listwise)		30						

Case Processing Summary

	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Jumlah Mikroplastik	30	100.0%	0	0.0%	30	100.0%

Descriptives

		Statistic		Std. Error
		Mean	Lower Bound	
Jumlah Mikroplastik	95% Confidence Interval for Mean	10.14		
	5% Trimmed Mean	13.66		
	Median	11.76		
	Variance	12.00		
	Std. Deviation	22.093		
		4.700		

Minimum	5	
Maximum	21	
Range	16	
Interquartile Range	8	
Skewness	.345	.427
Kurtosis	-.844	.833

Frequency Table

Berapa sering anda mengkonsumsi jenis makanan laut dalam seminggu

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Sering >3x/minggu	23	76.7	76.7	76.7
	Jarang <3x/minggu	7	23.3	23.3	100.0
	Total	30	100.0	100.0	

Berapa banyak anda mengkonsumsi jenis makanan laut dalam seminggu

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tinggi >12 ons/mg	13	43.3	43.3	43.3
	Sedang 12 ons/mg	7	23.3	23.3	66.7
	Rendah <12 ons/mg	10	33.3	33.3	100.0
	Total	30	100.0	100.0	

Jenis makanan laut yang dikonsumsi sehari-hari

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ikan besar	5	16.7	16.7	16.7
	Ikan kecil	18	60.0	60.0	76.7
	Non Ikan	7	23.3	23.3	100.0
	Total	30	100.0	100.0	

Frequencies

	Descriptive Statistics						
	N Statistic	Minimum Statistic	Maximum Statistic	Mean Statistic	Std. Deviation Statistic	Skewness	
Jumlah	30	5	21	11.90	4.700	.345	.427
Mikroplastik							
Valid N (listwise)	30						

Berapa banyak anda mengkonsumsi jenis makanan laut dalam seminggu

			Case Processing Summary							
			Valid		Missing		Cases		Total	
			N	Percent	N	Percent	N	Percent	N	Percent
Jumlah	Tinggi >12 ons/mg	13	100.0%		0	0.0%	13	100.0%		
Mikroplastik	Sedang 12 ons/mg	7	100.0%		0	0.0%	7	100.0%		
	Rendah <12 ons/mg (FDA = 12 ons/mg)	10	100.0%		0	0.0%	10	100.0%		

Jumlah Konsumsi Seafood

Descriptives

		Statistic	Std. Error
Jumlah Mikroplastik	Berapa banyak anda mengkonsumsi jenis makanan laut dalam seminggu		
Tinggi >12 ons/mg	Mean	16.00	.892
	95% Confidence Interval for Mean	Lower Bound	14.06
		Upper Bound	17.94
	5% Trimmed Mean	16.06	
	Median	15.00	
	Variance	10.333	
	Std. Deviation	3.215	
	Minimum	10	
	Maximum	21	
	Range	11	
	Interquartile Range	5	
	Skewness	.160	.616
	Kurtosis	-.157	1.191
Sedang 12 ons/mg	Mean	11.43	.841
	95% Confidence Interval for Mean	Lower Bound	9.37
		Upper Bound	13.49
	5% Trimmed Mean	11.37	
	Median	12.00	
	Variance	4.952	
	Std. Deviation	2.225	
	Minimum	9	
	Maximum	15	
	Range	6	
	Interquartile Range	4	
	Skewness	.386	.794
	Kurtosis	-.781	1.587
Rendah <12 ons/mg	Mean	6.90	.433
	95% Confidence Interval for Mean	Lower Bound	5.92
		Upper Bound	7.88
	5% Trimmed Mean	6.83	
	Median	7.00	
	Variance	1.878	
	Std. Deviation	1.370	
	Minimum	5	
	Maximum	10	
	Range	5	

Interquartile Range		1
Skewness	1.192	.687
Kurtosis	2.396	1.334

Tests of Normality

	Berapa banyak anda mengkonsumsi jenis makanan laut dalam seminggu	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Jumlah Mikroplastik	Tinggi >12 ons/mg	.161	13	.200*	.938	13	.436
	Sedang 12 ons/mg	.173	7	.200*	.922	7	.482
	Rendah <12 ons/mg (FDA = 12 ons/mg)	.271	10	.036	.883	10	.142

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

a. Lilliefors Significance Correction

Oneway

Test of Homogeneity of Variances

		Levene			Sig.
		Statistic	df1	df2	
Jumlah Mikroplastik	Based on Mean	2.982	2	27	.068
	Based on Median	2.017	2	27	.153
	Based on Median and with adjusted df	2.017	2	19.210	.160
	Based on trimmed mean	3.039	2	27	.064

ANOVA

Jumlah Mikroplastik

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	470.086	2	235.043	37.196	.000
Within Groups	170.614	27	6.319		
Total	640.700	29			

Frekuensi Konsumsi Seafood

Descriptives

		Berapa sering anda mengkonsumsi jenis makanan laut dalam seminggu		Statistic	Std. Error
Jumlah	Sering >3x/minggu	Mean		12.70	.985
		95% Confidence	Lower Bound	10.65	
		Interval for Mean	Upper Bound	14.74	
		5% Trimmed Mean		12.65	
		Median		13.00	
		Variance		22.312	
		Std. Deviation		4.724	
		Minimum		5	
		Maximum		21	
		Range		16	
		Interquartile Range		7	
		Skewness		.189	.481
		Kurtosis		-.836	.935
Mikroplastik	Jarang <3x/minggu	Mean		9.29	1.443
		95% Confidence	Lower Bound	5.76	
		Interval for Mean	Upper Bound	12.82	
		5% Trimmed Mean		9.15	
		Median		7.00	
		Variance		14.571	
		Std. Deviation		3.817	
		Minimum		6	
		Maximum		15	
		Range		9	
		Interquartile Range		8	
		Skewness		.826	.794
		Kurtosis		-1.338	1.587

Tests of Normality

		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Jumlah	Sering >3x/minggu	.107	23	.200*	.962	23	.498
Mikroplastik	Jarang <3x/minggu	.297	7	.062	.818	7	.061

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

a. Lilliefors Significance Correction

T-Test

Group Statistics

		Berapa sering anda mengkonsumsi jenis makanan laut dalam seminggu	N	Mean	Std. Deviation	Std. Error Mean
Jumlah	Sering >3x/minggu	23	12.70	4.724	.985	
Mikroplastik	Jarang <3x/minggu	7	9.29	3.817	1.443	

Independent Samples Test

		Levene's Test for Equality of Variances			t-test for Equality of Means					95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2- tailed)	Mean Difference	Std. Error Difference	Lower	Upper	
Jumlah	Equal variances assumed	.457	.504	1.738	28	.093	3.410	1.962	-.609	7.428	
Mikroplastik	Equal variances not assumed			1.952	12.17	.074	3.410	1.747	-.390	7.210	

Jenis makanan laut yang dikonsumsi

Descriptives

		Jenis makanan laut yang dikonsumsi	Statistic	Std. Error
Jumlah Mikroplastik	Ikan besar	Mean	15.60	2.379
		95% Lower Bound	8.99	
		Confidence Interval for Upper Bound	22.21	
		Mean		
		5% Trimmed Mean	15.72	
		Median	16.00	
		Variance	28.300	
		Std. Deviation	5.320	
		Minimum	8	
		Maximum	21	
		Range	13	
		Interquartile Range	10	
		Skewness	-.592	.913
		Kurtosis	-.809	2.000
	Ikan kecil	Mean	10.89	1.078
		95% Lower Bound	8.61	
		Confidence Interval for Upper Bound	13.16	
		Mean		
		5% Trimmed Mean	10.65	
		Median	10.00	
		Variance	20.928	
		Std. Deviation	4.575	
		Minimum	5	
		Maximum	21	
		Range	16	
		Interquartile Range	8	
		Skewness	.632	.536
		Kurtosis	-.351	1.038
	Bukan Ikan	Mean	11.86	1.421
		95% Confidence Lower Bound	8.38	

	Interval for Mean	Upper Bound	15.34
	5% Trimmed Mean		11.95
	Median		14.00
	Variance		14.143
	Std. Deviation		3.761
	Minimum		7
	Maximum		15
	Range		8
	Interquartile Range		8
	Skewness		-.582
	Kurtosis		.794
			-2.043
			1.587

Jenis Seafood

Tests of Normality

	Jenis makanan laut yang dikonsumsi	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Jumlah Mikroplastik	Ikan besar	.196	5	.200*	.943	5	.685
	Ikan kecil	.136	18	.200*	.937	18	.254
	Bukan Ikan	.287	7	.084	.776	7	.024

Oneway

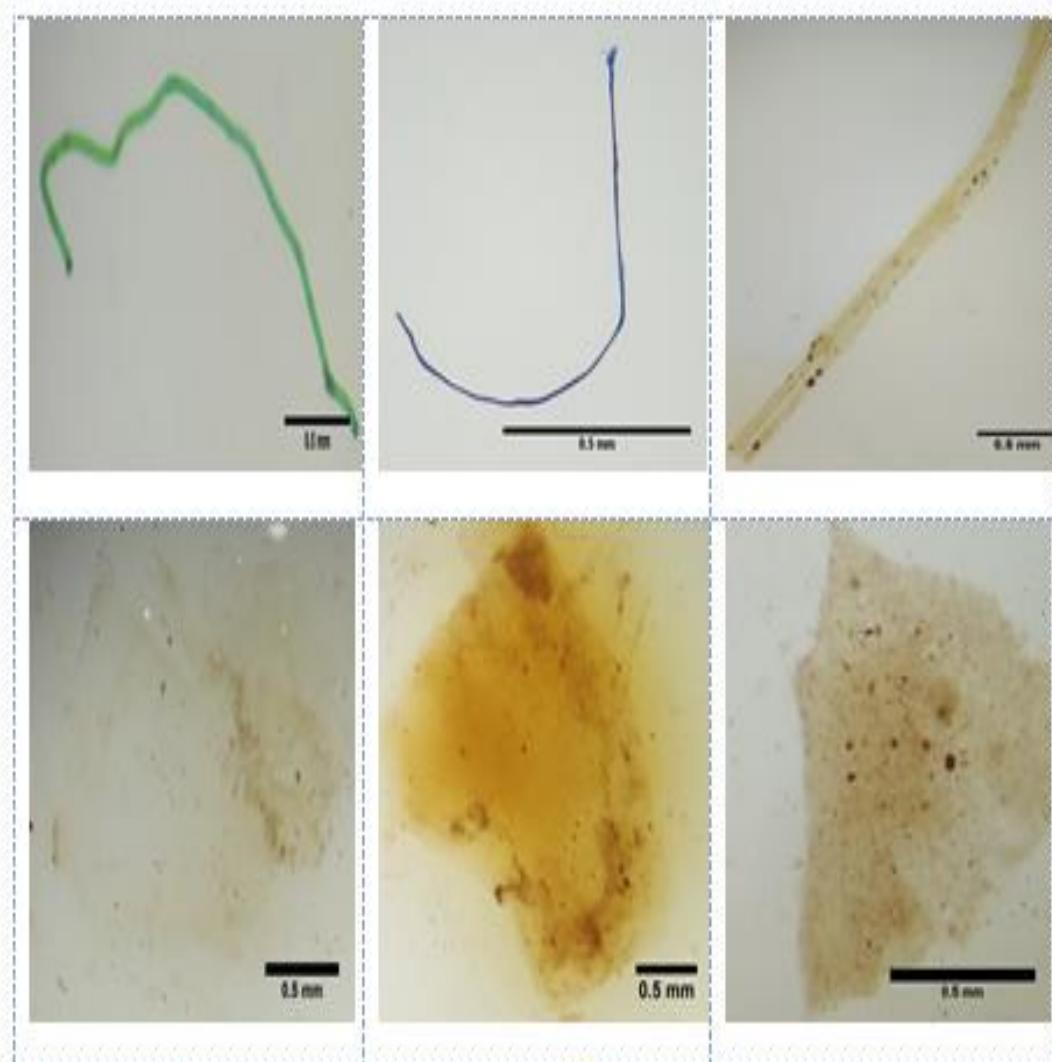
Test of Homogeneity of Variances

		Levene			
		Statistic	df1	df2	Sig.
Jumlah Mikroplastik	Based on Mean	.183	2	27	.834
	Based on Median	.210	2	27	.812
	Based on Median and with adjusted df	.210	2	26.833	.812
	Based on trimmed mean	.169	2	27	.845

ANOVA

Jumlah Mikroplastik

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	86.865	2	43.433	2.117	.140
Within Groups	553.835	27	20.512		
Total	640.700	29			

Gambar Mikroplastik Pada Feses Ibu Hamil

UKURAN, BENTUK DAN WARNA MIKROPLASTIK

No	Bentuk	Ukuran (mm)	Warna	Jumlah Mikroplastik
		Panjang		
Sampel 1 JP.LT				9
1	Film	2.9	kuning	
2	Fragmen	0.4	coklat	
3	Fragmen	2.6	coklat	
4	film	1.4	kuning	
5	line	1.8	hitam	
6	line	1.1	kuning	
7	Film	1.3	putih	
8	Film	1.5	putih	
9	Fragmen	1.4	coklat	
Sampel 2 JP.LN				10
10	Line	0.4	Biru	
11	fragmen	2.5	coklat	
12	fragmen	0.3	kuning	
13	Line	2.5	kuning	
14	film	1.2	putih	
15	film	2.6	putih	
16	Line	2.2	kuning	
17	film	1.3	kuning	
18	fragmen	2.3	coklat	
19	Line	2.0	Biru	
Sampel 3 JP.MY				7
20	Film	2.2	kuning	
21	Fragmen	2.9	kuning	
22	Film	3.0	kuning	
23	Film	3.4	Transparan	
24	Film	3.5	kuning	
25	Film	2.5	kuning	
26	Film	2.4	Transparan	
Sampel 4 JP.MSD				7
27	Line	1.0	kuning	
28	Line	0.5	kuning	
29	Fragmen	1.4	coklat	

No	Bentuk	Ukuran (mm)	Warna	Jumlah Mikroplastik
		Panjang		
30	Line	1.3	coklat	
31	Fragmen	2.5	coklat	
32	Fragmen	1.4	coklat	
33	Fragmen	2.1	coklat	
Sampel 5 JP.WHD				
34	Film	0.8	coklat	
35	Fragmen	2.5	kuning	
36	Line	3.5	kuning	
37	Line	2.5	kuning	
38	Fragmen	3.5	kuning	
39	Film	3.5	kuning	
Sampel 6 JP.FTR				6
40	Fragmen	1.0	coklat	
41	Fragmen	1.0	coklat	
42	Fragmen	1.1	coklat	
43	Fragmen	1.2	coklat	
44	Fragmen	1.6	coklat	
45	Fragmen	2.5	coklat	
46	Film	2.5	kuning	
47	Film	2.6	transparan	
48	Fragmen	3.0	coklat	
49	Line	1.1	kuning	
50	Line	0.7	kuning	
51	Line	3.9	kuning	
52	Fragmen	2.8	coklat	
53	Line	0.7	Biru	
54	Fragmen	0.6	coklat	
Sampel 7 JP.SRD				15
55	Fragmen	3.6	coklat	
56	Film	2.8	coklat	
57	Fragmen	3.2	coklat	
58	Fragmen	2.6	coklat	
59	Fragmen	2.9	coklat	
60	Fragmen	3.3	coklat	
61	Fragmen	1.9	coklat	
62	Fragmen	4.3	coklat	
63	Line	1.8	Biru	

No	Bentuk	Ukuran (mm)	Warna	Jumlah Mikroplastik
		Panjang		
64	Fragmen	2.2	coklat	6
65	Fragmen	1.9	coklat	
66	Fragmen	1.9	kuning	
67	Line	4.4	kuning	
68	Fragmen	1.9	kuning	
69	Line	3.3	Biru	
Sampel 8 JP.SST				
70	Line	3.7	kuning	6
71	Line	2.3	kuning	
72	Line	1.7	kuning	
73	Fragmen	3.8	coklat	
74	Fragmen	2.4	kuning	
75	Fragmen	3.3	coklat	
Sampel 9 JP.TR				
76	Fragmen	1.7	coklat	6
77	Fragmen	2.2	coklat	
78	Fragmen	2.0	coklat	
79	Fragmen	2.2	coklat	
80	Line	3.6	coklat	
81	Line	3.7	coklat	
Sampel 10 JP.WY				
82	Film	1.9	kuning	15
83	Film	2.3	coklat	
84	Fragmen	3.8	coklat	
85	Line	2.4	coklat	
86	Line	0.9	coklat	
87	Fragmen	0.9	coklat	
88	Fragmen	1.5	coklat	
89	Film	1.8	transparan	
90	Film	3.8	kuning	
91	Fragmen	3.6	coklat	
92	Film	2.9	transparan	
93	Fragmen	2.8	coklat	
94	Fragmen	1.6	coklat	
95	Fragmen	1.8	coklat	
96	Fragmen	3.8	coklat	
Sampel 11				

No	Bentuk	Ukuran (mm)	Warna	Jumlah Mikroplastik
		Panjang		
PLASY				13
97	Film	3.9	transparan	
98	Fragmen	0.3	kuning	
99	Film	1.6	transparan	
100	Line	4.9	kuning	
101	Line	3.4	kuning	
102	Fragmen	3.1	coklat	
103	Fragmen	3.8	coklat	
104	Fragmen	1.7	coklat	
105	Fragmen	2.0	coklat	
106	Line	4.9	kuning	
107	Film	4.1	transparan	
108	Fragmen	3.4	coklat	
109	Fragmen	4.1	coklat	
Sampel 12 PL. BNG				14
110	Film	3.3	bening	
111	Film	2.1	bening	
112	Line	1.7	kuning	
113	Line	0.7	kuning	
114	Fragmen	1.9	coklat	
115	Fragmen	0.4	coklat	
116	Fragmen	0.6	coklat	
117	Line	1.5	kuning	
118	Line	2.1	kuning	
119	Film	0.6	bening	
120	Film	1.0	bening	
121	Line	1.4	Biru	
122	Film	1.8	bening	
123	Film	3.4	bening	
Sampel 13 PL. DV				13
124	Film	2.6	bening	
125	Film	2.0	bening	
126	Line	3.6	kuning	
127	Film	2.2	kuning	
128	Film	2.4	kuning	
129	Film	4.4	Coklat	

No	Bentuk	Ukuran (mm)	Warna	Jumlah Mikroplastik
		Panjang		
130	Line	2.4	Kuning	
131	Fragmen	2.5	Coklat	
132	Fragmen	2.9	Coklat	
133	Film	2.7	Coklat	
134	Film	1.3	Coklat	
135	Film	2.4	kuning	
136	Film	3.3	Coklat	
Sampel 14 PL. FDL				
137	Fragmen	3.9	coklat	
138	Line	5.0	kuning	
139	Film	1.2	transparan	
140	Film	2.5	transparan	
141	Film	3.3	transparan	
142	Fragmen	3.2	coklat	12
143	Line	4.9	kuning	
144	Fragmen	3.4	coklat	
145	Film	3.8	transparan	
146	Fragmen	3.3	coklat	
147	Fragmen	4.5	coklat	
148	Fragmen	2.8	coklat	
Sampel 15 PL. IND				
149	Film	4.0	kuning	
150	Line	2.3	kuning	
151	Fragmen	4.0	coklat	
152	Film	2.5	coklat	
153	Fiber	3.7	kuning	
154	Fragmen	3.7	coklat	
155	Film	3.1	bening	17
156	Fiber	4.7	kuning	
157	Fiber	2.0	bening	
158	Fragmen	2.3	coklat	
159	Film	3.9	bening	
160	Fragmen	2.6	coklat	
161	Fragmen	3.0	coklat	
162	Fragmen	2.7	kuning	
163	Film	1.9	bening	

No	Bentuk	Ukuran (mm)	Warna	Jumlah Mikroplastik
		Panjang		
164	Film	1.7	bening	10
165	Film	4.2		
Sampel 16 MF				
166	Film	2.5	kuning	
167	Fragmen	2.6	coklat	
168	Film	4.1	bening	
169	Film	2.5	bening	
170	Fiber	1.6	kuning	
171	Film	2.3	kuning	
172	Fiber	1.5	kuning	
173	Fragmen	2.1	kuning	22
174	Fiber	0.8	hitam	
175	Fiber	0.8	hitam	
Sampel 17 OA				
176	Film	1.5	bening	
177	Film	4.8	Kuning	
178	Fragmen	1.5	coklat	
179	Fragmen	3.0	coklat	
180	Film	4.2	coklat	
181	Fiber	2.3	Kuning	
182	Fiber	2.8	coklat	
183	Film	0.4	kuning	
184	Fragmen	3.6	coklat	
185	Fiber	0.6	kuning	22
186	Fiber	1.6	kuning	
187	Film	0.9	bening	
188	Fiber	2.6	kuning	
189	Film	2.8	kuning	
190	Film	3.1	bening	
191	Film	4.8	kuning	
192	Fragmen	2.5	kuning	
193	Film	4.1	kuning	
194	Film	4.1	bening	
195	Film	1.8	kuning	22
196	Film	1.7	kuning	
197	Fragmen	4.3	coklat	
Sampel 18 RO				

No	Bentuk	Ukuran (mm)	Warna	Jumlah Mikroplastik
		Panjang		
198	Fiber	3.9	kuning	
199	Film	1.7	bening	
200	Film	2.3	bening	
201	Film	4.0	bening	
202	Film	4.1	bening	
203	Fragmen	3.7	kuning	
204	Fragmen	3.0	coklat	
205	Film	3.5	bening	
206	Film	3.2	bening	
207	Film	4.9	kuning	21
208	Film	3.8	kuning	
209	Fragmen	4.7	coklat	
210	Fragmen	3.6	coklat	
211	Fragmen	4.1	coklat	
212	Film	3.4	kuning	
213	Fragmen	4.7	coklat	
214	Film	2.9	kuning	
215	Fragmen	3.6	coklat	
216	Fragmen	4.8	coklat	
217	Film	3.6	bening	
218	Fragmen	4.2	coklat	
Sampel 19 SE				
219	Film	4.3	kuning	
220	Fiber	2.2	coklat	
221	Film	1.0	bening	
222	Fiber	3.5	Kuning	
223	Fiber	0.6	Biru	9
224	Fragmen	4.5	kuning	
225	Fragmen	2.3	coklat	
226	Film	3.8	kuning	
227	Film	3.7	kuning	
Sampel 20 SY				
228	Fiber	0.9	kuning	
229	Fiber	1.5	kuning	
230	Fiber	1.6	kuning	
231	Fiber	1.3	kuning	
232	Fiber	0.7	kuning	

No	Bentuk	Ukuran (mm)	Warna	Jumlah Mikroplastik
		Panjang		
233	Fiber	0.7	kuning	
234	Fiber	0.3	Biru	
235	Fiber	3.0	kuning	
236	Film	3.1	kuning	
237	Film	4.6	bening	
238	Fiber	2.3	kuning	21
239	Film	3.9	kuning	
240	Film	4.7	kuning	
241	Film	4.6	bening	
242	Film	2.2	bening	
243	Film	4.6	bening	
244	Film	2.1	kuning	
245	Film	3.2	kuning	
246	Film	2.1	bening	
247	Fragmen	2.0	kuning	
248	Film	2.9	bening	
Sampel 21 AT				
249	Fiber	3.3	hijau	17
250	Film	1.2	bening	
251	Fiber	2.0	Biru	
252	Fiber	4.9	coklat	
253	Film	1.2	bening	
254	Fiber	3.1	hijau	
255	Fiber	3.4	ungu	
256	Fragmen	1.9	kuning	
257	Fragmen	2.3	coklat	
258	Film	1.8	bening	
259	Fragmen	2.1	coklat	
260	Film	4.0	bening	
261	Fragmen	1.8	kuning	
262	Fragmen	3.7	coklat	
263	Film	2.9	bening	
264	Film	3.6	bening	
265	Fragmen	3.8	coklat	
Sampel 22 CTR				
266	Fragmen	2.5	coklat	
267	Fiber	2.0	ungu	

No	Bentuk	Ukuran (mm)	Warna	Jumlah Mikroplastik
		Panjang		
268	Fragmen	3.3	coklat	14
269	Film	2.4	bening	
270	Fiber	4.4	kuning	
271	Fragmen	2.2	coklat	
272	Fragmen	1.7	coklat	
273	Fragmen	3.3	coklat	
274	Fragmen	2.3	coklat	
275	Fragmen	2.9	coklat	
276	Film	3.1	bening	
277	Film	2.3	bening	
278	Film	4.3	bening	
279	Fragmen	3.0	coklat	
Sampel 23 HN				
280	Film	2.2	bening	15
281	Film	4.3	bening	
282	Film	2.8	bening	
283	Film	4.0	bening	
284	Film	2.7	bening	
285	Fiber	1.3	coklat	
286	Fiber	1.8	coklat	
287	Fiber	3.6	kuning	
288	Film	2.2	kuning	
289	Film	3.9	coklat	
290	Film	4.8	bening	
291	Fragmen	4.2	coklat	
292	Film	2.1	bening	
293	Film	3.1	bening	
294	Film	4.1	bening	
Sampel 24 IR				
295	Film	3.8	bening	7
296	Fiber	1.7	coklat	
297	Film	1.8	bening	
298	Film	1.3	bening	
299	Fiber	1.3	coklat	
300	Fiber	2.1	coklat	
301	Fiber	0.8	coklat	
Sampel 25 IRM				

No	Bentuk	Ukuran (mm)	Warna	Jumlah Mikroplastik
		Panjang		
302	Film	0.6	coklat	8
303	Film	2.0	coklat	
304	Film	2.8	coklat	
305	Fragmen	0.7	coklat	
306	Fiber	2.6	coklat	
307	Film	2.5	coklat	
308	Fiber	1.9	coklat	
309	Fiber	2.5	kuning	
Sampel 26 JH				
310	Fiber	1.4	coklat	16
311	Film	2.3	bening	
312	Film	2.3	bening	
313	Fiber	2.0	kuning	
314	Film	2.3	bening	
315	Fragmen	2.3	coklat	
316	Fragmen	1.6	coklat	
317	Film	3.3	bening	
318	Fragmen	1.9	coklat	
319	Film	2.1	bening	
320	Fragmen	2.3	coklat	
321	Film	3.5	bening	
322	Film	4.1	bening	
323	Fragmen	2.6	coklat	
324	Film	0.8	bening	
325	Film	1.0	bening	
Sampel 27 JH				
326	Fragmen	4.2	coklat	12
327	Film	3.6	bening	
328	Fiber	2.3	kuning	
329	Film	2.9	bening	
330	Fiber	0.7	Biru	
331	Fragmen	0.4	coklat	
332	Fiber	2.2	kuning	
333	Fragmen	1.6	kuning	
334	Film	4.5	bening	
335	Film	2.7	bening	
336	Fragmen	1.6	coklat	

No	Bentuk	Ukuran (mm)	Warna	Jumlah Mikroplastik
		Panjang		
337	Film	1.3	bening	
Sampel 28 RD				
338	Film	4.2	bening	
339	Film	2.1	bening	
340	Film	1.2	bening	10
341	Fiber	1.4	ungu	
342	Film	3.1	bening	
343	Fragmen	4.1	coklat	
344	Fiber	0.9	Biru	
345	Film	2.3	coklat	
346	Fiber	4.0	hijau	
347	Fiber	2.3	Biru	
Sampel 29 SP				
348	Fiber	5.0	kuning	
349	Film	3.7	bening	5
350	Film	3.5	bening	
351	Film	1.9	bening	
352	Fiber	1.6	Biru	
Sampel 30 VR				
353	Film	1.6	bening	
354	Film	2.6	bening	
355	Film	0.5	bening	7
356	Fragmen	1.6	coklat	
357	Fragmen	3.3	coklat	
358	Fragmen	1.9	coklat	
359	Film	0.7	bening	
TOTAL				359

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 PEMERINTAH PROVINSI SULAWESI SELATAN
DINAS PENANAMAN MODAL DAN PELAYANAN TERPADU SATU PINTU
 BIDANG PENYELENGGARAAN PELAYANAN PERIZINAN

Nomor : 2547/S.01/PTSP/2020
 Lampiran : -
 Perihal : Izin Penelitian

Kepada Yth.
 Walikota Makassar

di-
Tempat

Berdasarkan surat Dekan Fak. Kesehatan Masyarakat UNHAS Makassar Nomor : 3769/UN4.14/PT.01.04/2020 tanggal 05 Juni 2020 perihal tersebut diatas, mahasiswa/peneliti dibawah ini:

Nama	: ERVINA SEPTAMI AR
Nomor Pokok	: K021181008
Program Studi	: Kesehatan Masyarakat
Pekerjaan/Lembaga	: Mahasiswa(S2)
Alamat	: Jl. P. Kemerdekaan Km. 10, Makassar

Bermaksud untuk melakukan penelitian di daerah/kantor saudara dalam rangka penyusunan Tesis, dengan judul :

" HUBUNGAN KONSUMSI SEAFOOD DENGAN KEBERADAAN MIKROPLASTIK PADA FESES IBU HAMIL DI KOTA MAKASSAR TAHUN 2020 "

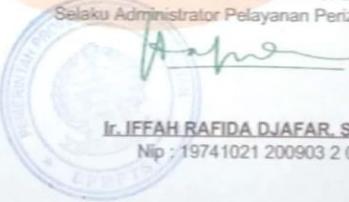
Yang akan dilaksanakan dari : Tgl. 17 Juni s/d 17 Agustus 2020

Sehubungan dengan hal tersebut diatas, pada prinsipnya kami *menyetujui* kegiatan dimaksud dengan kelentuan yang tertera di belakang surat izin penelitian.

Demikian Surat Keterangan ini diberikan agar dipergunakan sebagaimana mestinya.

Diterbitkan di Makassar
 Pada tanggal : 09 Juni 2020

A.n. GUBERNUR SULAWESI SELATAN
 Pit. KEPALA DINAS PENANAMAN MODAL DAN PELAYANAN TERPADU SATU
 PINTU PROVINSI SULAWESI SELATAN
 Selaku Administrator Pelayanan Perizinan Terpadu


Irfiyyah Rafida Djafar, ST., MT.
 Nip : 19741021 200903 2 001

Tembusan Yth

- 1. Dekan Fak. Kesehatan Masyarakat UNHAS Makassar di Makassar;
- 2. Pertinggal.

SIMAP PTSP 09-06-2020


 Jl. Bougenville No.5 Telp. (0411) 441077 Fax. (0411) 448936
 Website : <http://simap.sulselprov.go.id> Email : ptsp@sulselprov.go.id
 Makassar 90231



CS B印傳與 CamScanner



**PEMERINTAH KOTA MAKASSAR
DINAS KESEHATAN**

Jl. Teduh Bersinar No. 1 Tlp. (0411) 881549, Fax (0411) 887710
MAKASSAR

Nomor : 440/26/PSDK /VI/2020
Lamp :
Perihal : Penelitian

Kepada Yth,

Kepala Puskesmas
Kepala Puskesmas
Kepala Puskesmas
Kepala Puskesmas

Di –

Tempat

Sehubungan Surat dari Badan Kesatuan bangsa dan kesatuan Politik No : 070/ 781 -II-BKBP/VI/2020, tanggal 10 Juni 2020 Makassar. Perihal tersebut di atas ,maka bersama ini disampaikan kepada saudara bahwa :

Nama : Ervina Septami AR
NIM : KO21181008
Jurusan : Kesehatan Masyarakat
INSTITUSI : Universitas Hasanuddin (UNHAS) Makassar
Judul : Hubungan konsumsi seafood dengan keberadaan mikroplastik pada feses ibu hamil di kota Makassar

Akan melaksanakan kegiatan penelitian di wilayah puskesmas yang saudara pimpin pada tanggal 17 Juni 2020 s/d 17 Agustus 2020
Demikianlah disampaikan, atas kerjasamanya diucapkan  kasih



dr.Hj.A.Naisyah T.Azizkin,M.Kes
Pangkat: Pembina Utama Muda
NIP : 19601014 198902 001



DINAS KESEHATAN KOTA MAKASSAR
UPT PUSKESMAS PATTINGALLOANG
Jl. Barukang VI No.15 Tlp. (0411) 438615
MAKASSAR

SURAT KETERANGAN
No. 138 /S.KET /TU/PKM.PATT/ VII / 2020

Yang berlada tangan dibawah ini, Kepala Puskesmas Pattingalloang Kecamatan Ujung Tanah Kota Makassar menerangkan bahwa :

Nama	:	ERVINA SEPTAMI AR
NIM	:	KO21181008
Jurusan	:	Kesehatan Masyarakat
Institusi	:	Universitas Hasanuddin (UNHAS) Makassar

Benar telah Selesai melaksanakan penelitian Di Puskesmas Pattingalloang Kota Makassar dalam rangka " PENYUSUNAN TESIS " Mulai Tanggal 17 Juni 2020 sampai dengan bulan 17 Agustus 2020.
dengan Judul : " HUBUNGAN KONSUMSI SEAFOOD DENGAN KEBERADAAN MIKROPLASTIK
PADA FESES IBU HAMIL DI KOTA MAKASSAR "

Demikian surat keterangan ini diberikan kepada yang bersangkutan untuk dipergunakan sebagaimana mestinya.

Makassar, 23 Juli 2020
Kepala UPT Puskesmas Pattingalloang
Kota Makassar,


dr. Hj. Nurhayati Musada. DPDK
Pangkat: Pembina
Nip: 19621210 199001 2 001



**PEMERINTAH KOTA MAKASSAR
DINAS KESEHATAN KOTA MAKASSAR
PUSKESMAS JUMPANDANG BARU**
Jl. Ir. H. Juanda No. 1 Makassar Tlp. 0411-448359



SURAT KETERANGAN

Nomor : 07 /PKM-JB/VII/2020

Yang bertanda tangan dibawah ini, kepala puskesmas Jumpandang Baru kecamatan Tallo kota Makassar menerangkan bahwa :

N a m a	:	Ervina Septami
NIM	:	KO 21181008
Jurusan	:	Kesehatan Masyarakat
Institusi	:	Universitas Hasanuddin (UNHAS) Makassar

Benar telah selesai melaksanakan penelitian di Puskesmas Jumpandang Baru, dalam rangka penyusunan tesis mulai tanggal 17 Juni 2020 sampai dengan 17 agustus 2020. Dengan judul "**HUBUNGAN KONSUMSI SEAFOOD DENGAN KEBERADAAN MIKROPLASTIK PADA FESES IBU HAMIL DI KOTA MAKASSAR.**

Demikian Surat Keterangan ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Makassar, 24 Juli 2020

Kepala Puskesmas Jumpandang Baru







RIWAYAT HIDUP



Nama : Ervina Septami AR

Tempat/Tgl Lahir : Ujung Pandang, 18 September 1984

Agama : Islam

Alamat : Kompleks BTN Citra Graha Permai Lawae Kel. Sumpang
Binangae Kec. BARRU Kab.BARRU

Riwayat Pendidikan :

1. SDN 01 Maros, Tamat Tahun 1996
2. SMP Negeri 01 Maros, Tamat Tahun 1999
3. SMA Negeri 02 Maros, Tamat Tahun 2002
4. STIK Tamalatea Makassar, Tamat Tahun 2006
5. UNHAS, Tamat Tahun 2020