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LAMPIRAN

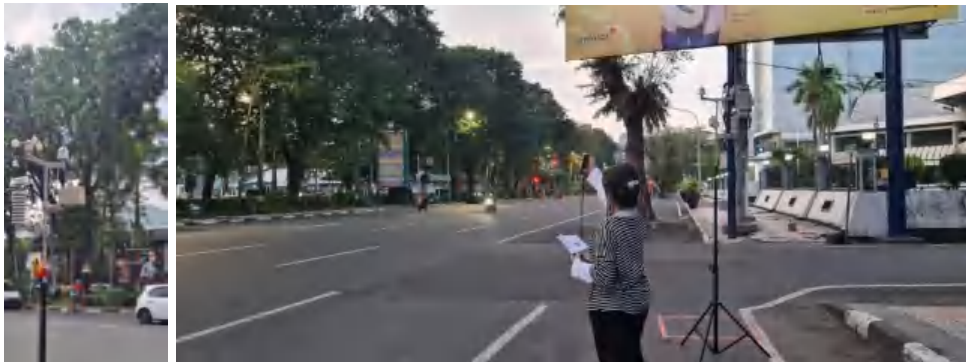
Lampiran 1. Dokumentasi Penelitian

Pengambilan sampel

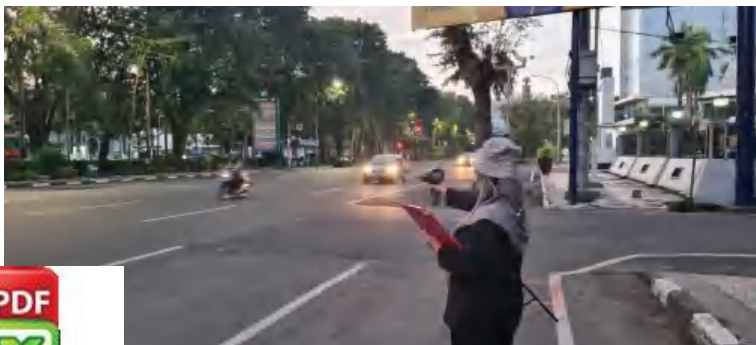
Pengambilan sampel debu jalan



Pengambilan sampel kecepatan angin & data meteorologi lainnya



Pengambilan sampel kecepatan kendaraan



Pengujian sampel di laboratorium

Peletakan sampel di oven



Penyaringan sampel di sieve 5 mm



Pemisahan 1 gr sampel ke gelas kimia



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Penambahan 10 mL hydrogen peroksida (H_2O_2)



Melakukan *Wet Peroxide Oxidation* dengan meletakkan gelas kimia ke atas hot plate



Diamkan sampel selama 1 jam



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Tambahkan 50 mL NaCl



Diamkan sampel selama 24 jam



Letakkan kertas filter di atas corong bunchner



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Tuangkan sampel ke atas kertas filter



Pencucian Sapu



Pencucian Pengki

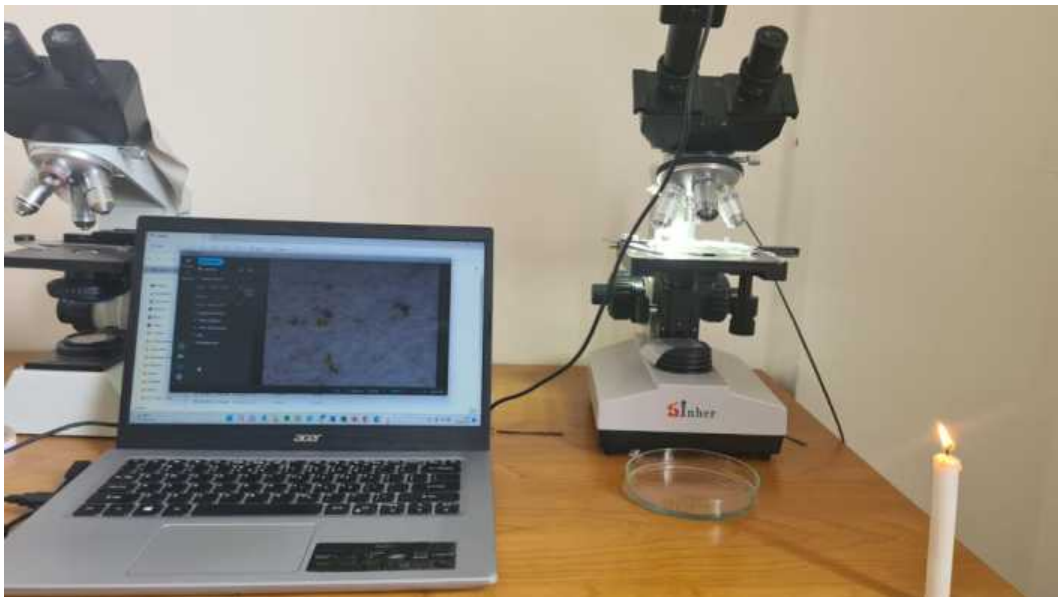


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Pencucian Ziplock



Identifikasi mikroplastik



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Lampiran 2. *Hot Needle Test*
Memanaskan Jarum



Mendekatkan Jarum ke Terduga Mikroplastik



Perbandingan hasil *hot needle test*



Sebelum



Sesudah



Sebelum



Sesudah

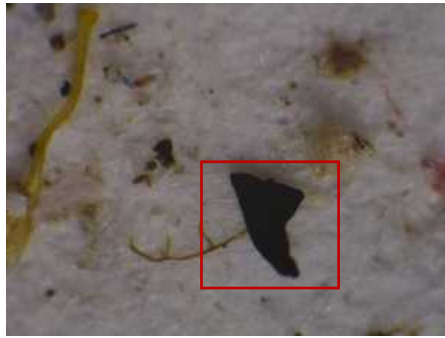


Sebelum



Sesudah





Sebelum



Sesudah



Sebelum



Sesudah



Sebelum



Sesudah



Sebelum



Sesudah



Lampiran 3. Warna Mikroplastik



Hitam



Biru



Merah



Kuning



Hijau



Transparan



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Putih



Merah muda



Abu-abu



Oranye



Coklat



Ungu



Lampiran 4. Uji Perbedaan Jumlah Mikroplastik

Uji Normalitas						
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Kelimpahan Mirkoplastik	.091	60	.200*	.972	60	.192
*. This is a lower bound of the true significance.						
a. Lilliefors Significance Correction						

Uji Homogenitas					
		Levene Statistic	df1	df2	Sig.
Kelimpahan Mirkoplastik	Based on Mean	.711	1	58	.403
	Based on Median	.563	1	58	.456
	Based on Median and with adjusted df	.563	1	57.763	.456
	Based on trimmed mean	.720	1	58	.399

ANOVA					
Kelimpahan Mirkoplastik					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	426.667	1	426.667	.107	.745
Within Groups	230837.267	58	3979.953		
Total	231263.933	59			



Lampiran 5. Uji Volume Kendaraan terhadap Jumlah Mikroplastik

One-Sample Kolmogorov-Smirnov Test

			Unstandardized Residual
N			50
Normal Parameters ^{a,b}	Mean		.0000000
	Std. Deviation		32.79270031
Most Extreme Differences	Absolute		.088
	Positive		.061
	Negative		-.088
Test Statistic			.088
Asymp. Sig. (2-tailed) ^c			.200 ^d
Monte Carlo Sig. (2-tailed) ^e	Sig.		.428
	99% Confidence Interval	Lower Bound	.415
		Upper Bound	.441

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 2000000.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.788 ^a	.620	.612	33.13253

a. Predictors: (Constant), Volume Kendaraan (Kendaraan)

b. Dependent Variable: Jumlah Mikroplastik (partikel)

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	86099.382	1	86099.382	78.432	.000 ^b
	Residual	52692.698	48	1097.765		
	Total	138792.080	49			

Dependent Variable: Jumlah Mikroplastik (partikel)

Predictors: (Constant), Volume Kendaraan (Kendaraan)



Coefficients ^a					
		Unstandardized Coefficients		Standardized Coefficients	
Model		B	Std. Error	Beta	t
1	(Constant)	78.535	12.978		6.051
	Volume Kendaraan (Kendaraan)	.459	.052	.788	8.856

a. Dependent Variable: Jumlah Mikroplastik (partikel)



Lampiran 6. Uji Kecepatan Kendaraan terhadap Jumlah Mikroplastik

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		54
Normal Parameters ^{a,b}	Mean	.0000000
	Std. Deviation	.23566540
Most Extreme Differences	Absolute	.112
	Positive	.062
	Negative	-.112
Test Statistic		.112
Asymp. Sig. (2-tailed) ^c		.088
Monte Carlo Sig. (2-tailed) ^d	Sig.	.088
	99% Confidence Interval	Lower Bound .081
		Upper Bound .096

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 1314643744.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.687 ^a	.472	.462	.23792

a. Predictors: (Constant), Kecepatan Kendaraan (m/s)

b. Dependent Variable: Jumlah Mikroplastik (partikel)

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2.633	1	2.633	46.507	.000 ^b
	Residual	2.944	52	.057		
	Total	5.576	53			



ent Variable: Jumlah Mikroplastik (partikel)

rs: (Constant), Kecepatan Kendaraan (m/s)

Coefficients ^a					
Model		Unstandardized Coefficients		Standardized Coefficients	Sig.
		B	Std. Error	Beta	
1	(Constant)	1.577	.519		.004
	Kecepatan Kendaraan (m/s)	1.102	.162	.687	.000

a. Dependent Variable: Jumlah Mikroplastik (partikel)



Lampiran 7. Uji Kecepatan Angin terhadap Jumlah Mikroplastik

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		54
Normal Parameters ^{a,b}	Mean	.0000000
	Std. Deviation	33.25679378
Most Extreme Differences	Absolute	.120
	Positive	.120
	Negative	-.101
Test Statistic		.120
Asymp. Sig. (2-tailed) ^c		.051
Monte Carlo Sig. (2-tailed) ^d	Sig.	.049
	99% Confidence Interval	Lower Bound .043
		Upper Bound .054

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 299883525.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.844 ^a	.712	.707	33.57505

a. Predictors: (Constant), Kecepatan Angin (km/h)

b. Dependent Variable: Jumlah Mikroplastik (Partikel)

ANOVA^a

	Sum of Squares	df	Mean Square	F	Sig.
Regression	145248.889	1	145248.889	128.849	.000 ^b
Residual	58618.760	52	1127.284		
Total	203867.648	53			



- a. Dependent Variable: Jumlah Mikroplastik (Partikel)
- b. Predictors: (Constant), Kecepatan Angin (km/h)

Coefficients ^a					
Model		Unstandardized Coefficients		Standardized Coefficients	Sig.
		B	Std. Error	Beta	
1	(Constant)	360.413	15.719		.000
	Kecepatan Angin (km/h)	-6.151	.542	-.844	.000

- a. Dependent Variable: Jumlah Mikroplastik (Partikel)



Lampiran 8. Uji Temperatur Udara terhadap Jumlah Mikroplastik

One-Sample Kolmogorov-Smirnov Test

			Unstandardized Residual
N			54
Normal Parameters ^{a,b}	Mean		.0000000
	Std. Deviation		.26975788
Most Extreme Differences	Absolute		.090
	Positive		.090
	Negative		-.078
Test Statistic			.090
Asymp. Sig. (2-tailed) ^c			.200 ^d
Monte Carlo Sig. (2-tailed) ^e	Sig.		.339
	99% Confidence Interval	Lower Bound	.326
		Upper Bound	.351

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 334431365.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.355 ^a	.126	.109	.27234

a. Predictors: (Constant), Temperatur Udara (oC)

b. Dependent Variable: Jumlah Mikroplastik (partikel)

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.558	1	.558	7.517	.008 ^b
	Residual	3.857	52	.074		
	Total	4.414	53			

Dependent Variable: Jumlah Mikroplastik (partikel)

Predictors: (Constant), Temperatur Udara (oC)



Coefficients ^a					
		Unstandardized Coefficients		Standardized Coefficients	
Model		B	Std. Error	Beta	t
1	(Constant)	-.194	1.946		-.100
	Temperatur Udara (oC)	1.527	.557	.355	2.742

a. Dependent Variable: Jumlah Mikroplastik (partikel)



Lampiran 9. Uji Kelembaban Udara terhadap Jumlah Mikroplastik

One-Sample Kolmogorov-Smirnov Test

			Unstandardized Residual
N			54
Normal Parameters ^{a,b}	Mean		.0000000
	Std. Deviation		.25395959
Most Extreme Differences	Absolute		.097
	Positive		.070
	Negative		-.097
Test Statistic			.097
Asymp. Sig. (2-tailed) ^c			.200 ^d
Monte Carlo Sig. (2-tailed) ^e	Sig.		.224
	99% Confidence Interval	Lower Bound	.213
		Upper Bound	.235

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 1502173562.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.475 ^a	.226	.211	.25639

a. Predictors: (Constant), Kelembaban Udara (%)

b. Dependent Variable: Jumlah Mikroplastik (partikel)

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.996	1	.996	15.152	.000 ^b
	Residual	3.418	52	.066		
	Total	4.414	53			

Dependent Variable: Jumlah Mikroplastik (partikel)

Predictors: (Constant), Kelembaban Udara (%)



Coefficients ^a						
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	8.642	.900		9.599	.000
	Kelembaban Udara (%)	-.863	.222	-.475	-3.893	.000

a. Dependent Variable: Jumlah Mikroplastik (partikel)



Lampiran 10. Uji Tekanan Udara terhadap Jumlah Mikroplastik

One-Sample Kolmogorov-Smirnov Test

			Unstandardized Residual
N			54
Normal Parameters ^{a,b}	Mean		.0000000
	Std. Deviation		.33507832
Most Extreme Differences	Absolute		.113
	Positive		.073
	Negative		-.113
Test Statistic			.113
Asymp. Sig. (2-tailed) ^c			.083
Monte Carlo Sig. (2-tailed) ^d	Sig.		.082
	99% Confidence Interval	Lower Bound	.075
		Upper Bound	.089

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 743671174.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.260 ^a	.067	.050	.33828

a. Predictors: (Constant), Tekanan Udara (mmHg)

b. Dependent Variable: Jumlah Mikroplastik (partikel)

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.431	1	.431	3.764	.058 ^b
	Residual	5.951	52	.114		
	Total	6.381	53			

Dependent Variable: Jumlah Mikroplastik (partikel)

Predictors: (Constant), Tekanan Udara (mmHg)



Coefficients ^a					
Model		Unstandardized Coefficients		Standardized Coefficients	
		B	Std. Error	Beta	t
1	(Constant)	-560.904	291.754		-1.923
	Tekanan Udara (mmHg)	85.321	43.980	.260	1.940

a. Dependent Variable: Jumlah Mikroplastik (partikel)



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Lampiran 11. Rekapitulasi Data Meteorologi

No.	Waktu	Kecepatan Angin (km/h)	Temperatur Udara (oC)	Kelembaban Udara (%)	Tekanan Udara (mmHg)	Arah Angin Dominan
1	05.00 - 05.30	4.608	25	83.05	759.9	BD
2	05.30 - 06.00	7.326	28.29	82.65	760.125	TG
3	06.00 - 06.30	10.854	29.435	75.4	760.79	T
4	06.30 - 07.00	14.598	30.625	72.05	761.005	S
5	07.00 - 07.30	12.258	30.725	68.7	760.625	B
6	07.30 - 08.00	13.662	30.8	68	760.7	B
7	08.00 - 08.30	21.69	30.875	65.25	760.4	BL
8	08.30 - 09.00	34.974	31.05	64.4	760.1	BD
9	09.00 - 09.30	30.816	31.1	66	760.4	B
10	09.30 - 10.00	27.468	33.04	62.65	761.34	BD
11	10.00 - 10.30	24.75	34.35	56.3	761.525	BD
12	10.30 - 11.00	25.668	35.37	55.15	761.485	S
13	11.00 - 11.30	21.492	35	43.7	761.455	BL
14	11.30 - 12.00	20.484	38.18	41.5	761.345	BD
15	12.00 - 12.30	31.068	36.395	50.1	761.225	B
16	12.30 - 13.00	33.354	35.73	51.55	761.125	BD
17	13.00 - 13.30	35.73	34.8	54.8	760.845	S
18	13.30 - 14.00	41.112	34.875	52.9	760.405	BD



No.	Waktu	Kecepatan Angin (km/h)	Temperatur Udara (oC)	Kelembaban Udara (%)	Tekanan Udara (mmHg)	Arah Angin Dominan
19	14.00 - 14.30	40.842	35.475	51.4	759.825	BD
20	14.30 - 15.00	34.47	34.045	54.8	759.765	T
21	15.00 - 15.30	28.098	34.32	56.45	759.425	S
22	15.30 - 16.00	30.312	33.335	47.55	759.29	BD
23	16.00 - 16.30	26.244	33.165	47.85	759.155	BD
24	16.30 - 17.00	20.178	33.13	51	758.995	B
25	17.00 - 17.30	23.886	32.97	56.4	759.085	BD
26	17.30 - 18.00	33.228	32.125	60.2	759.155	BD
27	18.00 - 18.30	35.676	32.125	59	759.28	S
28	18.30 - 19.00	32.76	32.135	59.8	759.43	B
29	19.00 - 19.30	32.598	31.955	61.4	759.575	BD
30	19.30 - 20.00	31.986	31.475	63.55	759.83	BD

