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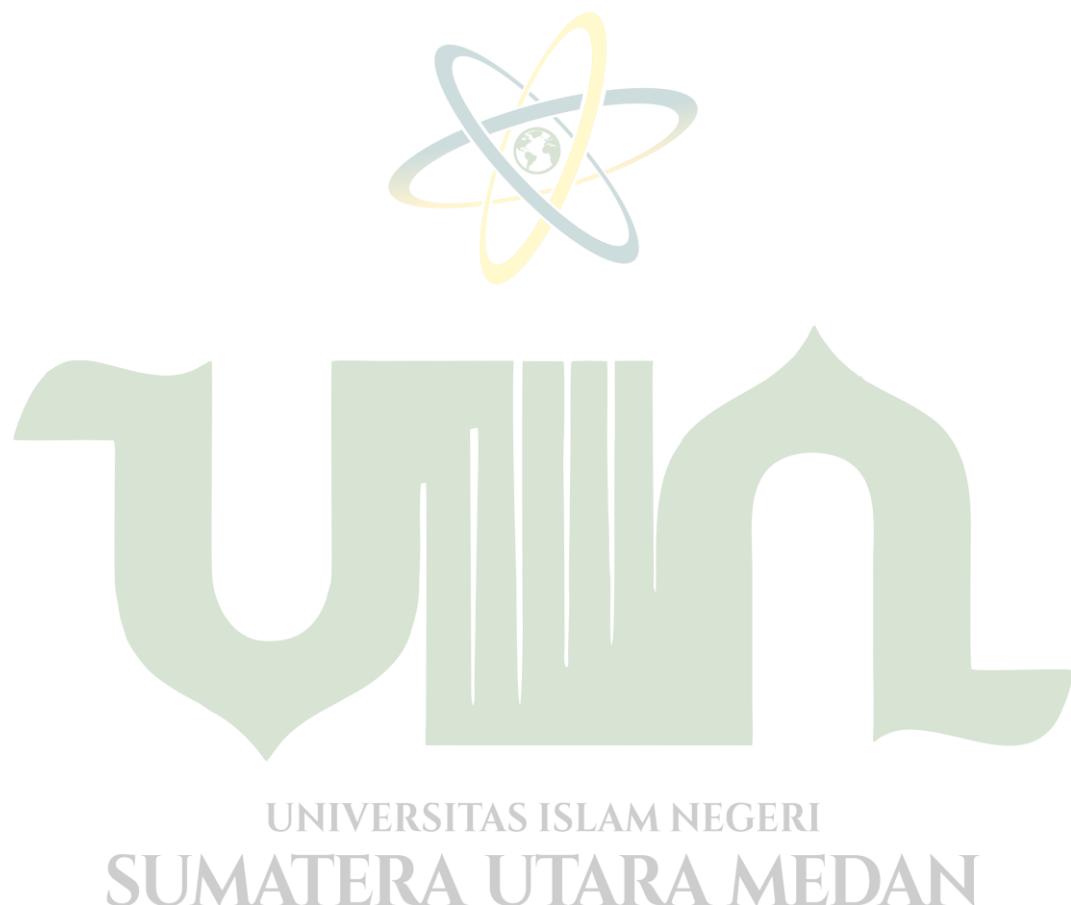
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## LAMPIRAN

### Lampiran 1 Surat Izin Penelitian

#### 1. Surat Izin Penelitian kepada Dinas Kesehatan Kota Medan

7/29/22, 10:41 AM <https://siselma.uinsu.ac.id/pengajuan/cetakaktif/Nzk3ODI=>

 KEMENTERIAN AGAMA REPUBLIK INDONESIA  
UNIVERSITAS ISLAM NEGERI SUMATERA UTARA MEDAN  
FAKULTAS KESEHATAN MASYARAKAT  
Jl. Williem Iskandar Pasar V Medan Estate 20371  
Telp. (061) 6615683-6622925 Fax. 6615683

Nomor : B.2294/Un.11/KM.I/PP.00.9/07/2022 28 Juli 2022  
Lampiran : -  
Hal : Izin Riset

**Yth. Bapak/Ibu Kepala Dinas Kesehatan Kota Medan**  
*Assalamualaikum Wr. Wb.*

Dengan Hormat, diberitahukan bahwa untuk mencapai gelar Sarjana Strata Satu (S1) bagi Mahasiswa Fakultas Kesehatan Masyarakat adalah menyusun Skripsi (Karya Ilmiah), kami tugaskan mahasiswa:

Nama : Lili Surya Pratiwi
NIM : 0801182213
Tempat/Tanggal Lahir : Bintang Meriah, 12 Maret 2000
Program Studi : Ilmu Kesehatan Masyarakat
Semester : VIII (Delapan)
Alamat : Jalan Pimpinan Desa Bintang Meriah Kecamatan Batang Kuis Kelurahan Bintang Meriah Kecamatan Batang Kuis

untuk hal dimaksud kami mohon memberikan Izin dan bantuannya terhadap pelaksanaan Riset di Jl. Rotan, Petisah Tengah, Kec. Medan Petisah, Kota Medan, guna memperoleh informasi/keterangan dan data-data yang berhubungan dengan Skripsi (Karya Ilmiah) yang berjudul:

**Pengaruh Faktor Iklim terhadap Kasus Konfirmasi COVID-19 di Kota Medan tahun 2020-2022**

Demikian kami sampaikan, atas bantuan dan kerjasamannya diucapkan terima kasih.

Medan, 28 Juli 2022  
a.n. DEKAN  
Wakil Dekan Bidang Akademik dan Kelembagaan

  
Digitally Signed  
**Dr. Mhd. Furqan, S.Si., M.Comp.Sc.**  
NIP. 198008062006041003

Tembusan:  
- Dekan Fakultas Kesehatan Masyarakat UIN Sumatera Utara Medan

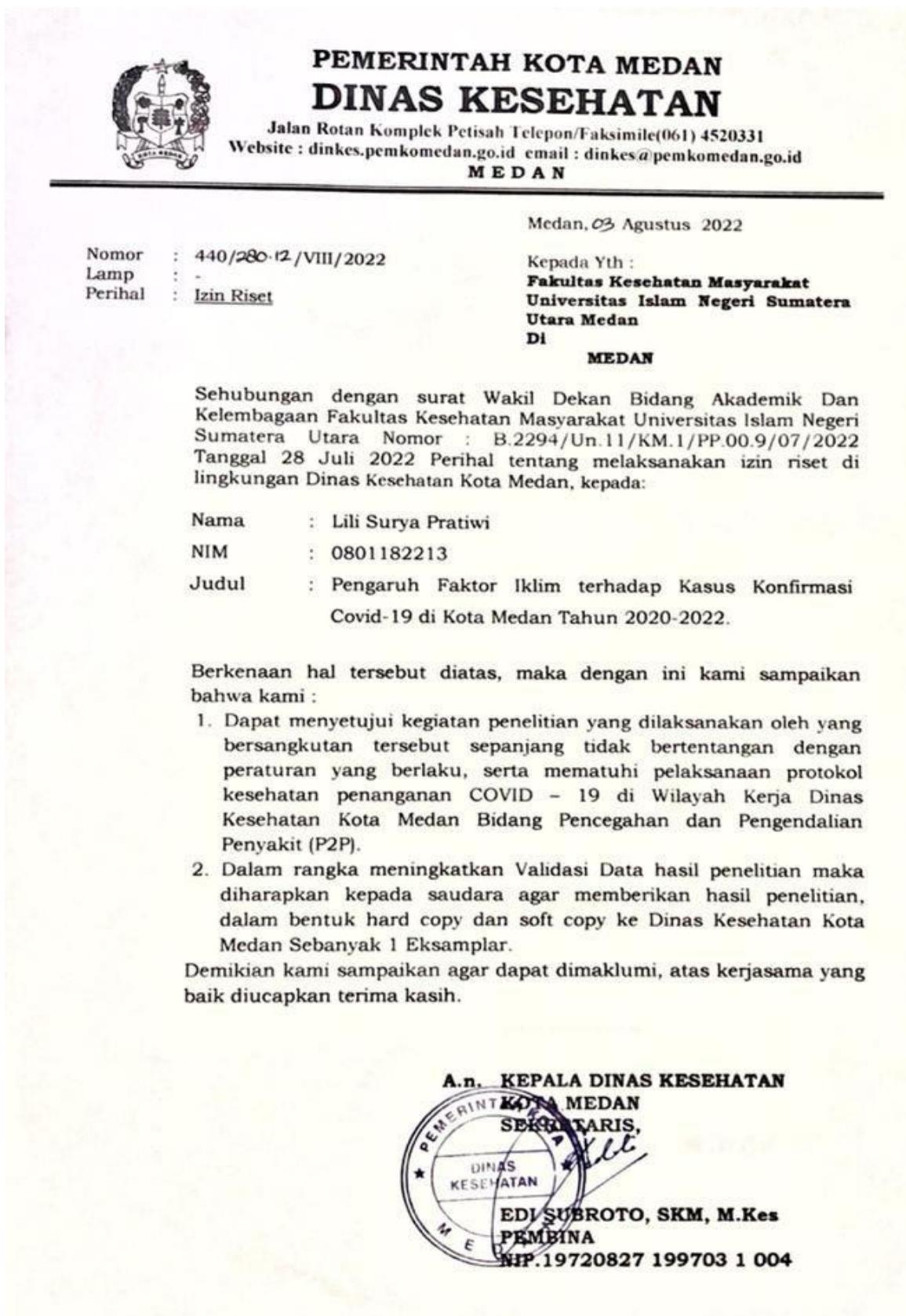
info : Silahkan scan QRCode diatas dan klik link yang muncul, untuk mengetahui keaslian surat

2. Surat Izin Penelitian kepada BMKG (Badan Meteorologi, Klimatologi dan Geofisika)

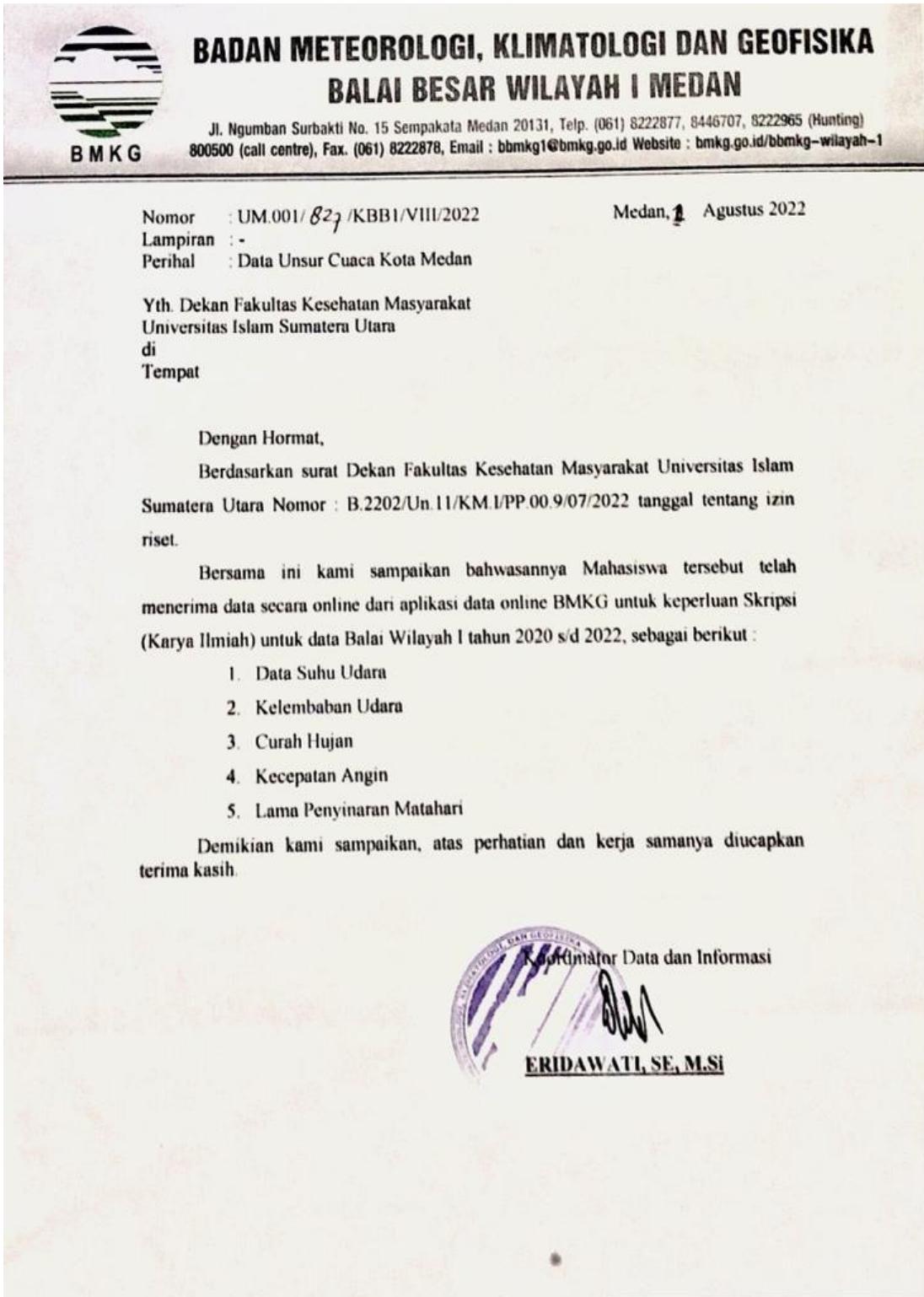
Wilayah I Medan

	<b>KEMENTERIAN AGAMA REPUBLIK INDONESIA UNIVERSITAS ISLAM NEGERI SUMATERA UTARA MEDAN FAKULTAS KESEHATAN MASYARAKAT Jl. Williemi Iskandar Pasar V Medan Estate 20371 Telp. (061) <a href="tel:6615683-6622925">6615683-6622925</a> Fax. <a href="tel:6615683">6615683</a></b>												
Nomor : B.2202/Un.11/KM.I/PP.00.9/07/2022      25 Juli 2022													
Lampiran : -													
Hal : <b>Izin Riset</b>													
<b>Yth. Bapak/Ibu Kepala Kepala Balai Besar Meteorologi Klimatologi dan Geofisika (BMKG) Wilayah I Medan</b>													
<i>Assalamualaikum Wr. Wb.</i>													
Dengan Hormat, diberitahukan bahwa untuk mencapai gelar Sarjana Strata Satu (S1) bagi Mahasiswa Fakultas Kesehatan Masyarakat adalah menyusun Skripsi (Karya Ilmiah), kami tugaskan mahasiswa:													
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Nama</td> <td style="width: 70%;">: Lili Surya Pratiwi</td> </tr> <tr> <td>NIM</td> <td>: <a href="tel:0801182213">0801182213</a></td> </tr> <tr> <td>Tempat/Tanggal Lahir</td> <td>: Bintang Meriah, 12 Maret 2000</td> </tr> <tr> <td>Program Studi</td> <td>: Ilmu Kesehatan Masyarakat</td> </tr> <tr> <td>Semester</td> <td>: VIII (Delapan)</td> </tr> <tr> <td>Alamat</td> <td>: Jalan Pimpinan Desa Bintang Meriah Kecamatan Batang Kuis Kelurahan Bintang Meriah Kecamatan Batang Kuis</td> </tr> </table>		Nama	: Lili Surya Pratiwi	NIM	: <a href="tel:0801182213">0801182213</a>	Tempat/Tanggal Lahir	: Bintang Meriah, 12 Maret 2000	Program Studi	: Ilmu Kesehatan Masyarakat	Semester	: VIII (Delapan)	Alamat	: Jalan Pimpinan Desa Bintang Meriah Kecamatan Batang Kuis Kelurahan Bintang Meriah Kecamatan Batang Kuis
Nama	: Lili Surya Pratiwi												
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Tempat/Tanggal Lahir	: Bintang Meriah, 12 Maret 2000												
Program Studi	: Ilmu Kesehatan Masyarakat												
Semester	: VIII (Delapan)												
Alamat	: Jalan Pimpinan Desa Bintang Meriah Kecamatan Batang Kuis Kelurahan Bintang Meriah Kecamatan Batang Kuis												
untuk hal dimaksud kami mohon memberikan Izin dan bantuannya terhadap pelaksanaan Riset di Jl.Ngumbang Surbakti No.15 Sempakata, Kec.Medan Selayang, Kota Medan, Sumatera Utara,, guna memperoleh informasi/keterangan dan data-data yang berhubungan dengan Skripsi (Karya Ilmiah) yang berjudul:													
<b><i>Pengaruh Faktor Iklim terhadap Kasus Konfirmasi COVID-19 di Kota Medan Tahun 2020-2022</i></b>													
Demikian kami sampaikan, atas bantuan dan kerjasamanya diucapkan terima kasih.													
Medan, 25 Juli 2022 a.n. DEKAN Wakil Dekan Bidang Akademik dan Kelembagaan													
 <i>Digitaly Signed</i>													
<b><u>Dr. Mhd. Furqan, S.Si., M.Comp.Sc.</u></b> NIP. 198008062006041003													
<b>Tembusan:</b> - Dekan Fakultas Kesehatan Masyarakat UIN Sumatera Utara Medan													
<small>Info : Silahkan scan QRCode diatas dan klik link yang muncul, untuk mengetahui keaslian surat</small>													

3. Surat Balasan dari Dinas Kesehatan Kota Medan



4. Surat Balasan dari Badan Meteorologi, Klimatologi dan Geofisika (BMKG) Wilayah I Medan



## **Lampiran 2 Lembar Observasi Data Penelitian**

1. Data Sekunder Pertambahan Harian Kasus Konfirmasi COVID-19 di Kota Medan Tahun 2020-2022

- ## 2. Data Sekunder Iklim di Kota Medan Tahun 2020-2022

Tahun 2020

	-	-	-	APR	MEI	JUN	JUL	AGT	SEP	OKT	NOV	DES
Variabel Iklim				√	√	√	√	√	√	√	√	√
	Tahun 2021											
	JAN	FEB	MAR	APR	MEI	JUN	JUL	AGT	SEP	OKT	NOV	DES
	√	√	√	√	√	√	√	√	√	√	√	√
	Tahun 2022											
	JAN	FEB	MAR	-	-	-	-	-	-	-	-	-
	√	√	√									

### Lampiran 3 Output Analisis Data

#### 1. Analisis Data Univariat (Variabel Dependen) atau (Kasus Konfirmasi COVID-19)

##### Statistics

Kasus Konfirmasi COVID-19

	Statistic	Bootstrap <sup>a</sup>				
		Bias	Std. Error	95% Confidence Interval		
				Lower	Upper	
N	Valid	434	0	0	434	434
	Missing	0	0	0	0	0
Mean		35.73	.03	.90	33.99	37.46
Std. Deviation		18.937	-.033	.640	17.728	20.169
Minimum		3				
Maximum		95				

a. Unless otherwise noted, bootstrap results are based on 1000 bootstrap samples

2. Analisis Data Univariat (Variabel Independen) atau (Faktor Iklim : Suhu Udara, Curah Hujan, Kelembaban Udara, Kecepatan Angin, Lama Penyinaran Matahari)

Statistics						
			Bootstrap <sup>a</sup>			
			Statistic	Bias	95% Confidence Interval	
N	Valid	Suhu Udara			Lower	Upper
		Kelembaban Udara	434	0	434	434
		Lama Penyinaran Matahari	434	0	434	434
		Curah Hujan	434	0	434	434
		Kecepatan Angin	434	0	434	434
Missing		Suhu Udara	0	0	0	0
		Kelembaban Udara	0	0	0	0
		Lama Penyinaran Matahari	0	0	0	0
		Curah Hujan	0	0	0	0
		Kecepatan Angin	0	0	0	0
Mean		Suhu Udara	27.299	-.002	.048	27.199
		Kelembaban Udara	89.282	-.001	.050	89.186
		Lama Penyinaran Matahari	4.833	-.005	.109	4.613
		Curah Hujan	16.826	-.031	1.004	14.900
		Kecepatan Angin	1.38	.00	.03	1.32
Std. Deviation		Suhu Udara	1.0061	-.0008	.0286	.9495
		Kelembaban Udara	1.0219	-.0006	.0324	.9556
		Lama Penyinaran Matahari	2.2459	-.0012	.0646	2.1201
		Curah Hujan	21.3576	-.0815	1.3916	18.6689
		Kecepatan Angin	.680	-.002	.020	.638
Minimum		Suhu Udara	24.8			
		Kelembaban Udara	85.5			
		Lama Penyinaran Matahari	.1			
		Curah Hujan	.0			
		Kecepatan Angin	0			
Maximum		Suhu Udara	29.8			
		Kelembaban Udara	91.8			
		Lama Penyinaran Matahari	11.2			
		Curah Hujan	130.9			
		Kecepatan Angin	3			

a. Unless otherwise noted, bootstrap results are based on 1000 bootstrap samples

### 3. Analisis Data Uji Asumsi Klasik (Normalitas)

One-Sample Kolmogorov-Smirnov Test

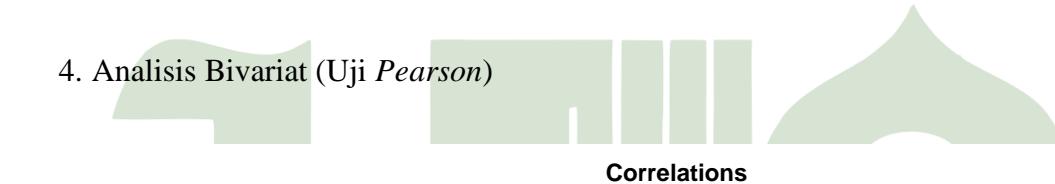
	Kasus Konfirmasi COVID-19	Suhu Udara	Kelembaban Udara	Lama Penyinaran Matahari	Curah Hujan	Kecepatan Angin
N	434	434	434	434	434	434
Normal Parameters <sup>a,b</sup>						
Mean	35.73	27.299	89.28	4.833	16.826	1.38
Std.	18.937	1.0061	1.022	2.2459	21.3576	.680
Deviation						
Most Extreme Differences						
Absolute	.043	.042	.038	.042	.216	.281
Positive	.043	.042	.038	.035	.216	.250
Negative	-.042	-.038	-.038	-.042	-.215	-.281
Test Statistic						
	.043	.042	.038	.042	.216	.281
Asymp. Sig. (2-tailed)	.053 <sup>c</sup>	.062 <sup>c</sup>	.151 <sup>c</sup>	.064 <sup>c</sup>	.000 <sup>c</sup>	.000 <sup>c</sup>

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

### 4. Analisis Bivariat (Uji Pearson)



		Kasus Konfirmasi COVID-19	Suhu Udara	Kelembaban Udara	Lama Penyinaran Matahari
Kasus Konfirmasi COVID-19	Pearson Correlation	1	-.934 <sup>**</sup>	-.930 <sup>**</sup>	-.939 <sup>**</sup>
	Sig. (2-tailed)		.000	.000	.000
	N	434	434	434	434
	Bootstrap Bias	0	.000	.000	-.001
	Std. Error	0	.019	.021	.022
	95% Confidence Interval	Lower	1	-.966	-.966
		Upper	1	-.891	-.883
	Suhu Udara		-.934 <sup>**</sup>	1	.881 <sup>**</sup>
	Pearson Correlation				.912 <sup>**</sup>
	Sig. (2-tailed)		.000		.000
Suhu Udara	N	434	434	434	434
	Bootstrap Bias	.000	0	.000	.001
	Std. Error	.019	0	.028	.023
	95% Confidence Interval	Lower	-.966	1	.825
		Upper	-.891	1	.935
Kelembaban Udara	Pearson Correlation	-.930 <sup>**</sup>	.881 <sup>**</sup>	1	.904 <sup>**</sup>
	Sig. (2-tailed)		.000	.000	.000

	N		434	434	434	434
	Bootstrap Bias		.000	.000	0	.001
b	Std. Error		.021	.028	0	.027
	95% Confidence Interval	Lower	-.966	.825	1	.846
		Upper	-.883	.935	1	.954
Lama Penyinaran Matahari	Pearson Correlation		-.939 **	.912 **	.904 **	1
	Sig. (2-tailed)		.000	.000	.000	
	N		434	434	434	434
	Bootstrap Bias		-.001	.001	.001	0
b	Std. Error		.022	.023	.027	0
	95% Confidence Interval	Lower	-.975	.862	.846	1
		Upper	-.891	.954	.954	1

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

b. Unless otherwise noted, bootstrap results are based on 1000 bootstrap samples

## 5. Analisis Bivariat (Uji Spearman)



Correlations

		Kasus Konfirmasi COVID-19	Curah Hujan	Kecepatan Angin
Spearman's rho	Kasus Konfirmasi COVID-19	Correlation Coefficient	1.000	.123 *
		Sig. (2-tailed)	.	.010
		N	434	434
	Curah Hujan	Correlation Coefficient	.123 *	1.000
		Sig. (2-tailed)	.010	.
		N	434	434
	Kecepatan Angin	Correlation Coefficient	.021	-.013
		Sig. (2-tailed)	.669	.795
		N	434	434

\*. Correlation is significant at the 0.05 level (2-tailed).

## 6. Uji Asumsi Klasik (Uji Multikolinearitas)

Coefficients<sup>a</sup>

Model		Collinearity Statistics	
		Tolerance	VIF
1	Suhu Udara	.150	6.645
	Kelembaban Udara	.163	6.124
	Lama Penyinaran Matahari	.123	8.130

a. Dependent Variable: Kasus Konfirmasi COVID-19

## 7. Uji Asumsi Klasik (Uji Heteroskedastisitas)

Model	Coefficients <sup>a</sup>				
	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	102.039	40.234		2.536	.012
Suhu Udara	.096	.515	.023	.187	.852
Kelembaban Udara	-1.167	.487	-.284	-2.396	.017
Lama Penyinaran Matahari	.385	.255	.206	1.507	.133

a. Dependent Variable: Abs\_Res1

## 8. Uji Asumsi Klasik (Uji Autokorelasi)

Model Summary <sup>b</sup>					
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.958 <sup>a</sup>	.917	.916	5.474	2.029

a. Predictors: (Constant), Lama Penyinaran Matahari, Suhu Udara

b. Dependent Variable: Kasus Konfirmasi COVID-19

## 9. Analisis Multivariat Regresi Linear Berganda (Uji t)

Model	Coefficients <sup>a</sup>				
	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	293.011	16.161		18.130	.000
Suhu Udara	-8.649	.638	-.460	-13.563	.000
Lama Penyinaran Matahari	-4.382	.286	-.520	-15.340	.000

a. Dependent Variable: Kasus Konfirmasi COVID-19

## 10. Analisis Multivariat Regresi Linear Berganda (Uji f)

ANOVA <sup>a</sup>					
Model	Sum of Squares	Df	Mean Square	F	Sig.

1	Regression	142363.534	2	71181.767	2375.879	.000 <sup>b</sup>
	Residual	12912.837	431	29.960		
	Total	155276.371	433			

a. Dependent Variable: Kasus Konfirmasi COVID-19

b. Predictors: (Constant), Lama Penyinaran Matahari, Suhu Udara

### 11. Uji Koefisien Determinasi ( $R^2$ )

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.958 <sup>a</sup>	.917	.916	5.474

a. Predictors: (Constant), Lama Penyinaran Matahari, Suhu Udara



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