

LAMPIRAN 1 UJI ANOVA TIGA ARAH PENGARUH PERENDAMAN Ca(OH)₂ TERHADAP KADAR HCN

Variable: HCN_Ca

Source	SS	df	MS	F	P
Main Effects					
Kons	0.5055385633	3	0.1685128544	975.2556719	.0000 ***
Waktu	0.5203481564	4	0.1300870391	752.86910995	.0000 ***
Jenis	0.0197580354	1	0.0197580354	114.34816754	.0000 ***
Interaction					
Kons x Waktu	0.1776879781	12	0.0148073315	85.696335079	.0000 ***
Kons x Jenis	0.0097028369	3	0.003234279	18.718150087	.0000 ***
Waktu x Jenis	0.0072209262	4	0.0018052316	10.447643979	.0000 ***
Kons x Waktu x Jns	0.0037651585	12	3.137632E-04	1.8158813264	.0496 *
Error	0.0276461419	160	1.727884E-04		
Total	1.2716677966	199			

DESCRIPTIVE STATISTICS

Jenis	Wkt	Kons	Mean	Sta. Dev	Minimum	Maximum	n
1	all	all	0.3487864554	0.087802415984	0.19384712	0.46016396	100
2	all	all	0.3289078059	0.070258728218	0.19384712	0.422.1187	100
all	1	all	0.4249720932	0.025.13690707	0.38407344	0.46016396	40
all	2	all	0.3562528382	0.044994500705	0.30798291	0.46016396	40
all	3	all	0.3327123321	0.057141010606	0.26993765	0.46016396	40
all	4	all	0.3060806485	0.071507811925	0.2414037	0.46016396	40
all	5	all	0.2742177413	0.090718105741	0.19384712	0.46016396	40
all	all	1	0.4249720932	0.025072700311	0.38407344	0.46016396	50
all	all	2	0.3214889797	0.064396880449	0.23189239	0.46016396	50
all	all	3	0.3081731379	0.072448509288	0.19384712	0.46016396	50
all	all	4	0.3007543118	0.074905977506	0.19384712	0.46016396	50

Variable: TurunRCN_CaOH2

Source	SS	df	MS	F	P
Main Effects					
Kons	27746.841616	3	9248.9472052	1628.4934064	.0000 ***
Waktu	23671.010479	4	7167.7526197	1262.0504389	.0000 ***
Jenis	607.7847216	1	626.7847216	110.36010518	.0000 ***
Interaction					
Kons x Waktu	9796.0077851	12	816.33398209	143.73468437	.0000 ***
Kons x Jenis	219.18004692	3	73.06001564	12.86392398	.0000 ***
Waktu x Jenis	183.36430321	4	45.841075802	8.0713932116	.0000 ***
Kons x Waktu x Jns	140.21199891	12	11.684333242	2.0573000603	.0226 *
Error	908.71203224	160	5.6794502015		
Total	68292.112982	199			

DESCRIPTIVE STATISTICS

Jenis	Waktu	Kons	Mean	Sta. Dev	Minimum	Maximum	n
1	all	all	21.946188856	18.60076500	0.01	56.174793	100
2	all	all	18.405610594	17.1569965	0.01	52.502645	100
all	1	all	0.001	0	0.01	0.01	40
all	2	all	16.043874999	10.2689312	0.01	1.40125	40
all	3	all	21.577683255	13.1896747	0.01	40.07965	40
all	4	all	27.86102295	15.2689101	0.01	46.08756	40
all	5	all	35.395917421	21.1569814	0.01	57.09867	40
all	all	1	0.001	0	0.01	0.01	50
all	all	2	24.222196659	15.098741	0.01	48.32176	50
all	all	3	27.382348998	16.698779	0.01	52.54789	50
all	all	4	29.098053242	17.321475	0.01	57.08754	50

LAMPIRAN 2 UJI ANOVA TIGA ARAH PENGARUH PERENDAMAN NaHCO3 TERHADAP KADAR HCN

Variable: HCN_NaHCO3

Source	SS	df	MS	F	P
Main Effects					
Kons	0.416842937	3	0.1389476457	509.85062241	.0000 ***
Waktu	0.443937694	4	0.1109844235	407.24315353	.0000 ***
Jenis	0.0158173746	1	0.0158173746	58.039834025	.0000 ***
Interaction					
Kons x Waktu	0.1532479202	12	0.01277066	46.860304288	.0000 ***
Kons x Jenis	0.0115410882	3	0.0038470294	14.116182573	.0000 ***
Waktu x Jenis	0.0089090054	4	0.0022272514	8.1726141079	.0000 ***
Kons x Waktu x Jns	0.0032929305	12	2.744109E-04	1.0069156293	.4451 ns
Error	0.0436041898	160	2.725262E-04		
Total	1.0971931397	199			

DESCRIPTIVE STATISTICS

Jenis	Waktu	Kons	Mean	Sta. Dev	Minimum	Maximum	n
1	all	all	0.3560150553	0.087802415984	0.20335844	0.46016396	100
2	all	all	0.3382288951	0.070258728218	0.20335844	0.4221187	100
all	1	all	0.4249720932	0.025136907075	0.38407433	0.46016396	40
all	2	all	0.3683797655	0.037895591485	0.30798291	0.46016396	40
all	3	all	0.3405591675	0.053409820461	0.27944896	0.46016396	40
all	4	all	0.3122630036	0.070683989903	0.22238107	0.46016396	40
all	5	all	0.2894358462	0.082664165953	0.20335844	0.46016396	40
all	all	1	0.4249720932	0.025072700311	0.38407344	0.46016396	50
all	all	2	0.3315709742	0.060772857694	0.2414037	0.46016396	50
all	all	3	0.3228205639	0.066430966984	0.20335844	0.46016396	50
all	all	4	0.3091242695	0.071761020805	0.20335844	0.46016396	50

LAMPIRAN 3 UJI ANOVA DUA ARAH PENGARUH PENGUKUSAN TERHADAP KADAR HCN

Variable: HCN_pengukuran

Source	SS	df	MS	F	P
Main Effects					
Waktu	0.3648888163	3	0.1216296054	1208.5318352	.0000 ***
Jenis	0.0016487269	1	0.0016487269	16.382022472	.0003 ***
Interaction					
Waktu x Jenis	0.0032273433	3	0.0010757811	10.689138577	.0001 ***
Error	0.0032205584	32	1.006425E-04		
Total	0.3729854449	39			

DESCRIPTIVE STATISTICS

Jenis	Waktu	Mean	Sta. Dev	Minimum	Maximum	n
1	all	0.2742177413	0.1073635099	0.1748245	0.4601640	20
2	all	0.2613774653	0.0895384107	0.1653132	0.4221187	20
all	1	0.4249720932	0.0261633224	0.3840734	0.4601640	10
all	2	0.2613774653	0.0094583273	0.2509150	0.2794490	10
all	3	0.2062118349	0.0078304553	0.1938471	0.2128697	10
all	4	0.1786290197	0.0080206455	0.1653132	0.1938471	10

Variable: turunHCN_pengukuran

Source	SS	df	MS	F	P
Main Effects					
Waktu	20119.446411	3	6706.482137	2071.0234747	.0000 ***
Jenis	120.7821452	1	120.7821452	37.298639273	.0000 ***
Interaction					
Waktu x Jenis	40.83145698	3	13.610485663	4.203043374	.0129 *
Error	103.62385121	32	3.2382453502		
Total	20384.683865	39			

DESCRIPTIVE STATISTICS

Jenis	Waktu	Mean	Sta. Dev	Minimum	Maximum	n
1	all	36.3989369	23.028114157	0.01	60.786082	20
2	all	32.4450250	20.84559422	0.01	56.479571	20
all	1	0.01	0	0.01	0.01	10
all	2	35.628560892	4.2355477375	24.268786	41.569273	10
all	3	46.423103484	7.3624741251	37.462204	60.786082	10
all	4	55.635259595	2.6873403807	51.789044	60.786082	10



LAMPIRAN 4 UJI ANOVA DUA ARAH PENGARUH PEREBUSAN TERHADAP KADAR HCN

Variable: HCN_perebusan

Source	SS	df	MS	F	P
Main Effects					
Waktu	0.3228949057	3	0.1076316352	289.3029382	.0000 ***
Jenis	0.0014135176	1	0.0014135176	3.7993920973	.0601 ns
Interaction					
Waktu x Jenis	0.0034263666	3	0.0011421222	3.0699088146	.0417 *
Error	0.0119052103	32	3.720378E-04		
Total	0.3396400002	39			

DESCRIPTIVE STATISTICS

Jenis	Waktu	Mean	Sta. Dev	Minimum	Maximum	n
1	all	0.2842046227	0.1030655621	0.1748245	0.4601640	20
2	all	0.2723154782	0.0847282935	0.1748245	0.4221187	20
all	1	0.4249720932	0.0261633224	0.3840734	0.4601640	10
all	2	0.272791044	0.0110283876	0.2604263	0.2889603	10
all	3	0.2271367292	0.0311446173	0.1748245	0.279449	10
all	4	0.1881403353	0.0091888040	0.1748245	0.2033584	10

Variable: turunHCN_perebusan

Source	SS	df	MS	F	P
Main Effects					
Waktu	17802.898977	3	5934.2996588	343.08614052	.0000 ***
Jenis	56.3341864	1	56.3341864	9.0383188795	.0051 **
Interaction					
Waktu x Jenis	66.738876185	3	22.246292062	1.2861491537	.2959 ns
Error	553.49828121	32	17.296821288		
Total	18579.47032	39			

DESCRIPTIVE STATISTICS

Jenis	Waktu	Mean	Sta. Dev	Minimum	Maximum	n
1	all	38.682897938	24.001028409	0.01	60.926082	20
2	all	35.207525365	22.146597446	0.01	59.039127	20
all	1	0.01	0	0.01	0.01	10
all	2	38.367626989	3.2617154286	33.063916	43.697807	10
all	3	51.360013245	3.0178160388	47.141309	56.569013	10
all	4	57.856206372	3.0063897061	51.846044	60.726082	10



Variable: TurunHCN_NaHCO3

Source	SS	df	MS	F	P
Main Effects					
Kons	22816.872063	3	7605.624021	690.37382113	.0000 ***
Waktu	24384.337726	4	6096.0844315	553.3506641	.0000 ***
Jenis	896.87404407	1	896.87404407	81.410592893	.0000 ***
Interaction					
Kons x Waktu	8421.8991467	12	701.82492889	63.705694179	.0000 ***
Kons x Jenis	315.44359796	3	105.14786599	9.5444284157	.0000 ***
Waktu x Jenis	232.54334116	4	58.135835291	5.277076364	.0005 ***
Kons x Waktu x Jns	96.742273407	12	8.0618561172	0.7317866881	.7188 ns
Error	1762.6680012	160	11.016675007		
Total	58927.380193	199			

DESCRIPTIVE STATISTICS

Jenis	Waktu	Kons	Mean	Sta. Dev	Minimum	Maximum	n
1	all	all	20.328502772	18.489508097	0.01	54.589714	100
2	all	all	16.093236442	15.125789874	0.01	50.026874	100
all	1	all	0.001	0	0.01	0.01	40
all	2	all	13.014895585	8.24659874	0.01	31.278952	40
all	3	all	20.024895787	12.35478484	0.01	37.578555	40
all	4	all	26.402390521	16.12545447	0.01	50.254855	40
all	5	all	31.753455589	32.00764658	0.01	54.458766	40
all	all	1	0.001	0	0.01	0.01	50
all	all	2	21.845814086	14.0369745	0.01	46.021550	50
all	all	3	23.868754381	15.3654774	0.01	54.874554	50
all	all	4	27.127909961	16.2544948	0.01	52.548745	50

LAMPIRAN 5 UJI ANOVA DUA ARAH PENGARUH PENGERINGAN TERHADAP KADAR HCN

Variable: HCN_pengeringan

Source	SS	df	MS	F	P
Main Effects					
K.A	0.4213503618	4	0.1053375905	820	.0000 ***
Jenis	0.0018527257	1	0.0018527257	14.422535211	.0005 ***
Interaction					
K.A x Jenis	0.0039008561	4	9.75214E-04	7.5915492958	.0001 ***
Error	0.005138419	40	1.284605E-04		
Total	0.4322423628	49			

DESCRIPTIVE STATISTICS

Jenis	K.A	Mean	Sta. Dev	Minimum	Maximum	n
1	all	0.2817316806	0.1016005598	0.15580186	0.4601640	20
2	all	0.2695571967	0.0872366253	0.14629055	0.4221187	20
all	1	0.4249720932	0.0261633224	0.38407344	0.4601640	10
all	2	0.1558018623	0.0063408805	0.14629055	0.1653132	10
all	3	0.2195276767	0.0110287762	0.20335844	0.2318924	10
all	4	0.257572939	0.0127213236	0.2414037	0.2794496	10
all	5	0.3203476219	0.0142140345	0.2984716	0.3460282	10

Variable: TurunHCN_pengeringan

Source	SS	df	MS	F	P
Main Effects					
K.A	23266.105569	4	5816.5263923	1094.7145462	.0000 ***
Jenis	182.69703689	1	182.69703689	34.38497315	.0000 ***
Interaction					
K.A x Jenis	90.267074621	4	22.566768655	4.2472376536	.0059 **
Error	212.53125439	40	5.3132813597		
Total	23751.600935	49			

DESCRIPTIVE STATISTICS

Jenis	K.A	Mean	Sta. Dev	Minimum	Maximum	n
1	all	36.952355824	22.689284090	0.01	64.236595	20
2	all	33.129299069	21.478932872	0.01	63.245698	20
all	1	0.01	0	0.01	0.01	10
all	2	63.288132339	1.2589347603	61.398702	65.18315	10
all	3	48.195240283	4.0035698101	42.124617	54.321478	10
all	4	39.195937604	4.7569423449	30.407896	46.012599	10
all	5	24.523827006	3.8012659036	18.596387	28.789456	10

LAMPIRAN 6 UJI ANOVA SATU ARAH KONTROL

Variable HCN
By Variable JNIS

Analysis of Variance

F Prob.	Source	D.F.	Sum of Squares	Mean Squares	F Ratio
	Between Groups	1	.0048	.0048	27.8421
	Within Groups	8	.0014	.0002	
	Total	9	.0062		

Group for Mean	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int
Grp 1 .4603	5	.4468	.0108	.0048	.4334 TO
Grp 2 .4218	5	.4031	.0150	.0067	.3844 TO
Total .4437	10	.4250	.0262	.0083	.4063 TO

GROUP	MINIMUM	MAXIMUM
Grp 1	.4316	.4602
Grp 2	.3841	.4221
TOTAL	.3841	.4602

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
.4961	1	8	.501

No range tests performed with fewer than three non-empty groups.

LAMPIRAN 7 UJI REGRESI KURVA STANDAR

Listwise Deletion of Missing Data

	Mean	Std Dev	Label
ADS	2.250	1.225	
KONS	.049	.033	

N of Cases = 8

Correlation, 1-tailed Sig:

	ADS	KONS
ADS	1.000	.988
KONS	.988	1.000

Equation Number 1 Dependent Variable.. ADS

Descriptive Statistics are printed on Page 8

Block Number 1. Method: Enter KONS

Variable(s) Entered on Step Number
1.. KONS

Variable	B	SE B	Beta	T	Sig T
KONS	36.581983	2.322324	.988125	15.752	.0000
(Constant)	.452910	.134832		3.359	.0152

End Block Number 1 All requested variables entered.

Equation Number 1 Dependent Variable.. ADS

Residuals Statistics:

	Min	Max	Mean	Std Dev	N
*PRED	.5992	3.8550	2.2500	1.2102	8
*RESID	-.3673	.1937	.0000	.1882	8
*ZPRED	-1.3640	1.3263	.0000	1.0000	8
*ZRESID	-1.8071	.9529	.0000	.9258	8

Total Cases = 9

Hi-Res Chart # 2: Scatterplot of *zpred with ads



LAMPIRAN 8 PROSEDUR PEMBUATAN KURVA STANDAR DENGAN SERI PENGECERAN

No	Seri pengenceran (μM)	Prosedur
1	-	0,13 g KCN 4mM dilarutkan dalam 500 ml NaOH 0,1 N
2	4	0,25 ml larutan nomor 1 diencerkan dalam 250 ml NaOH 0,1 N
3	3,5	0,25 ml larutan nomor 2 diencerkan dalam 100 ml NaOH 0,1 N
4	3	43,75 ml larutan nomor 3 diencerkan dalam 50 ml NaOH 0,1 N
5	2,5	41,66 ml larutan nomor 2 diencerkan dalam 50 ml NaOH 0,1 N
6	2	50 ml larutan nomor 2 diencerkan dalam 100 ml NaOH 0,1 N
7	1,5	25 ml larutan nomor 3 diencerkan dalam 50 ml NaOH 0,1 N
8	1	25 ml larutan nomor 6 diencerkan dalam 50 ml NaOH 0,1 N
9	0,5	25 ml larutan nomor 6 diencerkan dalam 50 ml NaOH 0,1 N