

Lampiran 1

SURAT PERMOHONAN IZIN

Hal : Permohonan Penggunaan Laboratorium Dan Peminjaman Alat

Lamp : 1 Lembar

Yth.

Kepala Urusan Laboratorium Dan Praktek Klinik

D3 Analis Kesehatan UM Surabaya

Ditempat

Assalamualaikum Wr. Wb

Sehubungan dengan pelaksanaan penelitian untuk menyusun Karya Tulis Ilmiah (KTI) 2013-2014, Maka saya yang bertanda tangan dibawah ini :

Nama : Khaerul umam

NIM : 20110662017

Judul KTI : Analisa kadar vitamin C pada buah apel manalgi yang di kupas dan tidak di kupas.

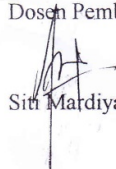
Mengajukan permohonan izin pungenan laboratorium instrumen kimia pada bulan Mei dan peminjaman alat sebagaimana terlampir.

Demikian surat permohonan yang saya buat. Terima kasih

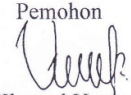
WassalamualaikumWr.Wb

Surabaya, 16'Mei 2014

Dosen Pembimbing 1


Siti Mardiyah, S.Si

Pemohon


Khaerul Umam

Tembusan :

1. Yth. Penanggung Jawab Labororium
2. Arsip

DAFTAR ALAT DAN REAGEN YANG DIGUNAKAN

NAMA	JUMLAH
Buret 50 ml	2
Labu ukur 100 ml	1
Pipet volume 25 ml	1
Pipet tetes	1
Gelas ukur 50 ml	1
Erlenmeyer 250 ml	5
Pipet ukur 10 ml	1
Gelas arloji	2
Corong	1
Beaker glass	2
Neraca analitik	1
Tabung centrifuge	4
Iodin (I ₂) 0,0093 N	100 ml
Aquades	200 ml
Amylum 1%	50 ml

Surabaya, 2 Mei 2014

Pemohon



Khaerul Umam

Lampiran 2

T-TEST GROUPS=JenisApel(1 2)

/VARIABLES=Vit.C

/CRITERIA=CI(.9500).

T-Test

Notes

Output Created		29-Jun-2014 22:26:58
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	16
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=JenisApel(1 2) /MISSING=ANALYSIS /VARIABLES=Vit.C /CRITERIA=CI(.9500).
Resources	Processor Time	00:00:00.015
	Elapsed Time	00:00:00.054

Group Statistics

JenisApel		N	Mean	Std. Deviation	Std. Error Mean
Vit.C	Apel Kupas	8	.229324	.0516523	.0182619
	Apel Kulit	8	.359221	.0221900	.0078454

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means							
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference		
								Lower	Upper	
Vit. C	Equal variances assumed	2.743	.120	-6.535	14	.000	-.1298969	.0198757	-.1725261	-.0872676
	Equal variances not assumed			-6.535	9.499	.000	-.1298969	.0198757	-.1745016	-.0852921

NPar Tests

Notes

Output Created		29-Jun-2014 22:28:54
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	16
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /K-S(NORMAL)=Vit.C /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.019
	Number of Cases Allowed ^a	196608

a. Based on availability of workspace memory.

One-Sample Kolmogorov-Smirnov Test

		Vit.C
N		16
Normal Parameters ^a	Mean	.294273
	Std. Deviation	.0772939
Most Extreme Differences	Absolute	.271
	Positive	.171
	Negative	-.271
Kolmogorov-Smirnov Z		1.085
Asymp. Sig. (2-tailed)		.190
a. Test distribution is Normal.		

Lampiran 3



PROGRAM STUDI D3 ANALIS KESEHATAN
FAKULTAS ILMU KESEHATAN
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NAMA : KHAERUL UMAM
NIM : 20110662017
JUDUL : ANALISA KADAR VITAMIN C PADA APEL MALANG
(*Rome beuty*) YANG DI KUPAS DAN TIDAK DI KUPAS

HASIL PEMERIKSAAN KADAR VITAMIN C PADA APEL

No	ApelKupas			Apel tidak di kupas		
	mg apel	vol. lod (ml)	% Vit. C	mg apel	vol. lod (ml)	% Vit. C
1	20070	0,5	0,21046	19920	0,8	0,33928
2	20070	0,8	0,33674	20010	0,9	0,37997
3	20020	0,6	0,25319	20020	0,8	0,33758
4	20000	0,4	0,16896	20010	0,9	0,37997
5	21040	0,5	0,20076	20010	0,8	0,33775
6	20000	0,5	0,21120	20000	0,9	0,38016
7	20020	0,6	0,25319	19920	0,8	0,33928
8	21020	0,5	0,20095	20020	0,9	0,37978

SURABAYA, 20 Mei 2014
Kepala Laboratoroium Prodi D- AnalisKesehatan
FIK- UMSurabaya

Siswanto Agung Wijaya, S.Kep.Ns