

## 7. LAMPIRAN

### 7.1. Diameter Zona Jernih (Aktivitas Antimikrobia) Kunyit terhadap *Bacillus subtilis* (cm)

Penyimpanan (hari ke-)	Pengamatan (jam ke-)	Ul	Konsentrasi kunyit							
			Segar	0,5%	1%	2%	5%	7,5%	10%	
0	6	1	0,33	0,12	0,12	0,12	0,21	0,22	0,20	
		2	0,33	0,11	0,12	0,12	0,19	0,21	0,23	
		3	0,34	0,11	0,11	0,13	0,20	0,21	0,22	
		x	0,3333	0,1133	0,1167	0,1233	0,2000	0,2133	0,2167	
	12	1	0,34	0,12	0,11	0,13	0,22	0,22	0,22	
		2	0,35	0,11	0,13	0,12	0,20	0,23	0,23	
		3	0,35	0,12	0,12	0,13	0,20	0,22	0,24	
		x	0,3467	0,1167	0,1200	0,1267	0,2067	0,2233	0,2300	
	18	1	0,30	0,09	0,10	0,12	0,19	0,20	0,20	
		2	0,29	0,10	0,12	0,11	0,18	0,21	0,21	
		3	0,30	0,10	0,11	0,11	0,19	0,19	0,20	
		x	0,2967	0,0967	0,1100	0,1133	0,1867	0,2000	0,2033	
	24	1	0,24	0,03	0,04	0,09	0,12	0,15	0,15	
		2	0,22	0,02	0,06	0,07	0,15	0,13	0,17	
		3	0,21	0,04	0,05	0,06	0,14	0,15	0,16	
		x	0,2233	0,0300	0,0500	0,0733	0,1367	0,1433	0,1600	
	1	6	1	0,33	0,11	0,12	0,12	0,20	0,21	0,20
			2	0,32	0,11	0,11	0,11	0,19	0,19	0,21
			3	0,33	0,11	0,11	0,12	0,19	0,20	0,22
			x	0,3267	0,1100	0,1133	0,1167	0,1933	0,2000	0,2100
		12	1	0,34	0,12	0,12	0,12	0,21	0,22	0,23
			2	0,33	0,12	0,12	0,12	0,20	0,21	0,23
			3	0,34	0,11	0,12	0,13	0,21	0,20	0,23
			x	0,3367	0,1167	0,1200	0,1233	0,2067	0,2100	0,2300
18		1	0,29	0,09	0,10	0,12	0,19	0,20	0,21	
		2	0,29	0,08	0,09	0,11	0,18	0,19	0,20	
		3	0,28	0,09	0,10	0,10	0,18	0,20	0,19	
		x	0,2867	0,0867	0,0967	0,1100	0,1833	0,1967	0,2000	
24		1	0,23	0,03	0,05	0,06	0,12	0,14	0,15	
		2	0,21	0,03	0,05	0,08	0,13	0,12	0,15	
		3	0,22	0,02	0,04	0,07	0,12	0,13	0,16	
		x	0,2200	0,0267	0,0467	0,0700	0,1233	0,1300	0,1533	
2		6	1	0,29	0,10	0,11	0,10	0,19	0,19	0,19
			2	0,30	0,09	0,10	0,11	0,18	0,20	0,20
			3	0,29	0,10	0,10	0,11	0,19	0,19	0,20
			x	0,2933	0,0967	0,1033	0,1067	0,1867	0,1933	0,1967
		12	1	0,33	0,11	0,11	0,12	0,20	0,21	0,21
			2	0,32	0,10	0,12	0,12	0,19	0,20	0,20
			3	0,32	0,11	0,11	0,11	0,20	0,20	0,21
			x	0,3233	0,1067	0,1133	0,1167	0,1967	0,2033	0,2067

1

6	1	0,32	0,10	0,11	0,11	0,19	0,18	0,21
	2	0,32	0,10	0,11	0,11	0,19	0,20	0,20
	3	0,31	0,10	0,10	0,11	0,18	0,20	0,21
	x	0,3167	0,1000	0,1067	0,1100	0,1867	0,1933	0,2067
12	1	0,34	0,11	0,12	0,12	0,20	0,21	0,22
	2	0,33	0,11	0,11	0,12	0,20	0,21	0,21
	3	0,33	0,11	0,11	0,12	0,19	0,20	0,21
	x	0,333	0,1100	0,1133	0,1200	0,1967	0,2067	0,2133
18	1	0,27	0,08	0,09	0,09	0,16	0,17	0,18
	2	0,26	0,08	0,08	0,10	0,15	0,16	0,18
	3	0,27	0,07	0,09	0,09	0,16	0,17	0,17
	x	0,2667	0,0767	0,0867	0,0933	0,1567	0,1667	0,1767
24	1	0,21	0,02	0,03	0,05	0,11	0,11	0,14
	2	0,22	0,02	0,02	0,07	0,09	0,13	0,14
	3	0,20	0,01	0,02	0,06	0,11	0,12	0,12
	x	0,2100	0,0167	0,0233	0,0600	0,1033	0,1200	0,1333

2

6	1	0,31	0,10	0,11	0,10	0,18	0,18	0,20
	2	0,31	0,09	0,10	0,11	0,19	0,19	0,20
	3	0,30	0,09	0,10	0,11	0,18	0,19	0,21
	x	0,3067	0,0933	0,1033	0,1067	0,1833	0,1867	0,2033
12	1	0,33	0,11	0,12	0,12	0,20	0,21	0,21
	2	0,32	0,11	0,10	0,11	0,19	0,20	0,21
	3	0,33	0,10	0,11	0,11	0,19	0,20	0,21
	x	0,3267	0,1067	0,1100	0,1133	0,1933	0,2033	0,2100
18	1	0,26	0,07	0,08	0,09	0,13	0,15	0,16
	2	0,25	0,07	0,09	0,08	0,13	0,16	0,16
	3	0,25	0,06	0,08	0,10	0,14	0,14	0,17
	x	0,2533	0,0667	0,0833	0,0900	0,133	0,1500	0,1633
24	1	0,19	0,01	0,02	0,05	0,09	0,10	0,12
	2	0,19	0,01	0,01	0,05	0,07	0,09	0,11
	3	0,20	-	-	0,04	0,06	0,10	0,11
	x	0,193	0,0100	0,0150	0,0467	0,0733	0,0967	0,1133

3

6	1	0,31	0,09	0,10	0,11	0,18	0,18	0,19
	2	0,30	0,09	0,10	0,10	0,17	0,18	0,20
	3	0,30	0,08	0,09	0,10	0,18	0,19	0,19
	x	0,3033	0,0867	0,0967	0,1033	0,1767	0,1833	0,1933
12	1	0,31	0,10	0,11	0,11	0,18	0,19	0,20
	2	0,31	0,10	0,10	0,11	0,20	0,19	0,20
	3	0,32	0,11	0,11	0,11	0,19	0,20	0,19
	x	0,3133	0,1033	0,1067	0,1100	0,1900	0,1933	0,1967
18	1	0,24	0,04	0,05	0,07	0,09	0,10	0,11
	2	0,23	0,03	0,03	0,07	0,08	0,09	0,10
	3	0,23	0,03	0,04	0,05	0,09	0,09	0,09
	x	0,2333	0,0333	0,0400	0,0633	0,0867	0,0933	0,1000
24	1	0,16	-	0,01	0,01	0,03	0,03	0,06
	2	0,15	-	-	0,01	0,04	0,06	0,05
	3	0,13	-	-	-	0,02	0,05	0,05
	x	0,1467	-	0,0100	0,0100	0,0300	0,0467	0,0533

7.3 Uji Normalitas Antara Konsentrasi Bubuk Kunyit dengan Diameter Zona Jernih Terhadap *Escherichia coli* dan *Bacillus subtilis*.

Tests of Normality

	KONS	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
COLI	0,5%	,202	48	,000	,836	48	,010**
	1%	,253	48	,000	,805	48	,010**
	10%	,219	48	,000	,844	48	,010**
	2%	,229	48	,000	,848	48	,010**
	5%	,216	48	,000	,856	48	,010**
	7,5%	,215	48	,000	,875	48	,010**
	SEGAR	,201	48	,000	,889	48	,010**
SUBTILIS	0,5%	,186	48	,000	,853	48	,010**
	1%	,231	48	,000	,848	48	,010**
	10%	,230	48	,000	,876	48	,010**
	2%	,216	48	,000	,857	48	,010**
	5%	,210	48	,000	,839	48	,010**
	7,5%	,220	48	,000	,875	48	,010**
	SEGAR	,142	48	,016	,927	48	,010**

\*\* . This is an upper bound of the true significance.

a. Lilliefors Significance Correction

7.4 Uji Normalitas Antara Penyimpanan dengan Diameter Zona Jernih Terhadap *Escherichia coli* dan *Bacillus subtilis*

Tests of Normality

	SIMPAN	Kolmogorov-Smirnov <sup>a</sup>		
		Statistic	df	Sig.
COLI	0	,144	84	,000
	1	,152	84	,000
	2	,151	84	,000
	3	,179	84	,000
SUBTILIS	0	,141	84	,000
	1	,162	84	,000
	2	,151	84	,000
	3	,101	84	,033

a. Lilliefors Significance Correction

7.5. Uji Normalitas Antara Pengamatan dengan Diameter Zona Jernih Terhadap *Escherichia coli* dan *Bacillus subtilis*

Tests of Normality

	AMATI	Kolmogorov-Smirnov <sup>a</sup>		
		Statistic	df	Sig.
COLI	6	,209	84	,000
	12	,215	84	,000
	18	,199	84	,000
	24	,135	84	,001
SUBTILIS	6	,181	84	,000
	12	,196	84	,000
	18	,109	84	,016
	24	,113	84	,010

a. Lilliefors Significance Correction



# KUNYIT SEGAR

## Kunyit Segar dengan Penyimpanan Hari ke-0

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	2,670E-02	3	8,900E-03	82,154	,000
	Within Groups	8,667E-04	8	1,083E-04		
	Total	2,757E-02	11			
SUBTILIS	Between Groups	2,753E-02	3	9,178E-03	110,133	,000
	Within Groups	6,667E-04	8	8,333E-05		
	Total	2,820E-02	11			

### Post Hoc Tests Homogeneous Subsets

#### COLI

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	,2167		
18	3		,2867	
6	3			,3267
12	3			,3367
Sig.		1,000	1,000	,273

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

#### SUBTILIS

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	,2233		
18	3		,2967	
6	3			,3333
12	3			,3467
Sig.		1,000	1,000	,111

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## Kunyit Segar dengan Penyimpanan Hari ke-1

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	2,777E-02	3	9,256E-03	185,111	,000
	Within Groups	4,000E-04	8	5,000E-05		
	Total	2,817E-02	11			
SUBTILIS	Between Groups	2,522E-02	3	8,408E-03	168,167	,000
	Within Groups	4,000E-04	8	5,000E-05		
	Total	2,563E-02	11			

## Post Hoc Tests Homogeneous Subsets

### COLI

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05			
		1	2	3	4
24	3	,2100			
18	3		,2667		
6	3			,3167	
12	3				,3333
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### SUBTILIS

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	,2200		
18	3		,2867	
6	3			,3267
12	3			,3367
Sig.		1,000	1,000	,122

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## Kunyit Segar dengan Penyimpanan Hari Ke-2

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	3,213E-02	3	1,071E-02	321,333	,000
	Within Groups	2,667E-04	8	3,333E-05		
	Total	3,240E-02	11			
SUBTILIS	Between Groups	4,109E-02	3	1,370E-02	182,630	,000
	Within Groups	6,000E-04	8	7,500E-05		
	Total	4,169E-02	11			

## Post Hoc Tests Homogeneous Subsets

### COLI

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05			
		1	2	3	4
24	3	,1933			
18	3		,2533		
6	3			,3067	
12	3				,3267
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### SUBTILIS

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05			
		1	2	3	4
24	3	,1700			
18	3		,2367		
6	3			,2933	
12	3				,3233
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**BUBUK KUNYIT 0,5 %**

**Bubuk Kunyit 0,5 % dengan Penyimpanan Hari ke-0**

**ANOVA**

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	1,449E-02	3	4,831E-03	96,611	,000
	Within Groups	4,000E-04	8	5,000E-05		
	Total	1,489E-02	11			
SUBTILIS	Between Groups	1,469E-02	3	4,897E-03	97,944	,000
	Within Groups	4,000E-04	8	5,000E-05		
	Total	1,509E-02	11			

**Post Hoc Tests  
Homogeneous Subsets**

**COLI**

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	2,333E-02		
18	3		8,333E-02	
6	3			,1067
12	3			,1100
Sig.		1,000	1,000	,580

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**SUBTILIS**

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	3,000E-02		
18	3		9,667E-02	
6	3			,1133
12	3			,1167
Sig.		1,000	1,000	,580

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.



## Bubuk Kunyit 0,5 % dengan Penyimpanan Hari Ke-1

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	1,576E-02	3	5,253E-03	315,167	,000
	Within Groups	1,333E-04	8	1,667E-05		
	Total	1,589E-02	11			
SUBTILIS	Between Groups	1,510E-02	3	5,033E-03	201,333	,000
	Within Groups	2,000E-04	8	2,500E-05		
	Total	1,530E-02	11			

## Post Hoc Tests Homogeneous Subsets

### COLI

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05			
		1	2	3	4
24	3	1,667E-02			
18	3		7,667E-02		
6	3			,1000	
12	3				,1100
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### SUBTILIS

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	2,667E-02		
18	3		8,667E-02	
6	3			,1100
12	3			,1167
Sig.		1,000	1,000	,141

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**BUBUK KUNYIT 1 %**

**Bubuk Kunyit 1 % dengan Penyimpanan Hari Ke-0**

**ANOVA**

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	1,527E-02	3	5,089E-03	203,556	,000
	Within Groups	2,000E-04	8	2,500E-05		
	Total	1,547E-02	11			
SUBTILIS	Between Groups	9,825E-03	3	3,275E-03	39,300	,000
	Within Groups	6,667E-04	8	8,333E-05		
	Total	1,049E-02	11			

**Post Hoc Tests  
Homogeneous Subsets**

**COLI**

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	2,667E-02		
18	3		9,333E-02	
6	3			,1100
12	3			,1167
Sig.		1,000	1,000	,141

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**SUBTILIS**

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05	
		1	2
24	3	5,000E-02	
18	3		,1100
6	3		,1167
12	3		,1200
Sig.		1,000	,234

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## Bubuk Kunyit 1 % dengan Penyimpanan Hari Ke-3

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	2,137E-02	3	7,122E-03	142,444	,000
	Within Groups	4,000E-04	8	5,000E-05		
	Total	2,177E-02	11			
SUBTILIS	Between Groups	2,003E-02	3	6,675E-03	66,750	,000
	Within Groups	8,000E-04	8	1,000E-04		
	Total	2,083E-02	11			

## Post Hoc Tests Homogeneous Subsets

### COLI

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	3,333E-03		
18	3		4,000E-02	
6	3			9,667E-02
12	3			,1067
Sig.		1,000	1,000	,122

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### SUBTILIS

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	3,333E-03		
18	3		3,333E-02	
6	3			9,000E-02
12	3			,1033
Sig.		1,000	1,000	,141

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**Bubuk Kunyit 2 % dengan Penyimpanan Hari Ke-2**

**ANOVA**

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	8,092E-03	3	2,697E-03	53,944	,000
	Within Groups	4,000E-04	8	5,000E-05		
	Total	8,492E-03	11			
SUBTILIS	Between Groups	7,874E-03	3	2,625E-03	34,571	,000
	Within Groups	6,073E-04	8	7,592E-05		
	Total	8,481E-03	11			

**Post Hoc Tests  
Homogeneous Subsets**

**COLI**

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	4,667E-02		
18	3		9,000E-02	
6	3			,1067
12	3			,1133
Sig.		1,000	1,000	,282

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**SUBTILIS**

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	5,000E-02		
18	3		9,667E-02	
6	3		,1067	,1067
12	3			,1170
Sig.		1,000	,197	,184

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## Bubuk Kunyit 2 % dengan Penyimpanan Hari Ke-3

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	2,029E-02	3	6,764E-03	135,278	,000
	Within Groups	4,000E-04	8	5,000E-05		
	Total	2,069E-02	11			
SUBTILIS	Between Groups	1,737E-02	3	5,789E-03	86,833	,000
	Within Groups	5,333E-04	8	6,667E-05		
	Total	1,790E-02	11			

## Post Hoc Tests Homogeneous Subsets

### COLI

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	6,667E-03		
18	3		6,333E-02	
6	3			,1033
12	3			,1100
Sig.		1,000	1,000	,282

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### SUBTILIS

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	1,000E-02		
18	3		5,000E-02	
6	3			9,333E-02
12	3			,1067
Sig.		1,000	1,000	,081

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## Bubuk Kunyit 5 % dengan Penyimpanan Hari Ke-2

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	2,723E-02	3	9,075E-03	108,900	,000
	Within Groups	6,667E-04	8	8,333E-05		
	Total	2,789E-02	11			
SUBTILIS	Between Groups	2,700E-02	3	9,000E-03	108,000	,000
	Within Groups	6,667E-04	8	8,333E-05		
	Total	2,767E-02	11			

## Post Hoc Tests Homogeneous Subsets

### COLI

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	7,333E-02		
18	3		,1333	
6	3			,1833
12	3			,1933
Sig.		1,000	1,000	,217

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### SUBTILIS

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	7,667E-02		
18	3		,1667	
6	3			,1867
12	3			,1967
Sig.		1,000	1,000	,217

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## Bubuk Kunyit 7,5 % dengan Penyimpanan Hari Ke-1

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	1,317E-02	3	4,389E-03	58,519	,000
	Within Groups	6,000E-04	8	7,500E-05		
	Total	1,377E-02	11			
SUBTILIS	Between Groups	1,203E-02	3	4,008E-03	48,100	,000
	Within Groups	6,667E-04	8	8,333E-05		
	Total	1,269E-02	11			

## Post Hoc Tests Homogeneous Subsets

### COLI

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	,1200		
18	3		,1667	
6	3			,1933
12	3			,2067
Sig.		1,000	1,000	,096

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### SUBTILIS

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05	
		1	2
24	3	,1300	
18	3		,1967
6	3		,2000
12	3		,2100
Sig.		1,000	,124

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## Bubuk Kunyit 7,5 % dengan Penyimpanan Hari Ke-2

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	2,009E-02	3	6,697E-03	133,944	,000
	Within Groups	4,000E-04	8	5,000E-05		
	Total	2,049E-02	11			
SUBTILIS	Between Groups	1,500E-02	3	5,000E-03	60,000	,000
	Within Groups	6,667E-04	8	8,333E-05		
	Total	1,567E-02	11			

## Post Hoc Tests Homogeneous Subsets

### COLI

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05			
		1	2	3	4
24	3	9,667E-02			
18	3		,1500		
6	3			,1867	
12	3				,2033
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### SUBTILIS

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	,1133		
18	3		,1833	
6	3		,1933	,1933
12	3			,2033
Sig.		1,000	,217	,217

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.



## Bubuk Kunyit 10 % dengan Penyimpanan Hari Ke-1

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	1,196E-02	3	3,986E-03	68,333	,000
	Within Groups	4,667E-04	8	5,833E-05		
	Total	1,243E-02	11			
SUBTILIS	Between Groups	9,500E-03	3	3,167E-03	54,286	,000
	Within Groups	4,667E-04	8	5,833E-05		
	Total	9,967E-03	11			

## Post Hoc Tests Homogeneous Subsets

### COLI

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	,1333		
18	3		,1767	
6	3			,2067
12	3			,2133
Sig.		1,000	1,000	,316

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### SUBTILIS

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	,1533		
18	3		,2000	
6	3		,2100	
12	3			,2300
Sig.		1,000	,147	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## Bubuk Kunyit 10 % dengan Penyimpanan Hari Ke-3

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
COLI	Between Groups	4,529E-02	3	1,510E-02	301,944	,000
	Within Groups	4,000E-04	8	5,000E-05		
	Total	4,569E-02	11			
SUBTILIS	Between Groups	2,449E-02	3	8,164E-03	89,061	,000
	Within Groups	7,333E-04	8	9,167E-05		
	Total	2,523E-02	11			

## Post Hoc Tests Homogeneous Subsets

### COLI

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	5,333E-02		
18	3		,1000	
6	3			,1933
12	3			,1967
Sig.		1,000	1,000	,580

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### SUBTILIS

Duncan<sup>a</sup>

AMATI	N	Subset for alpha = .05		
		1	2	3
24	3	8,667E-02		
18	3		,1700	
6	3			,1933
12	3			,2000
Sig.		1,000	1,000	,419

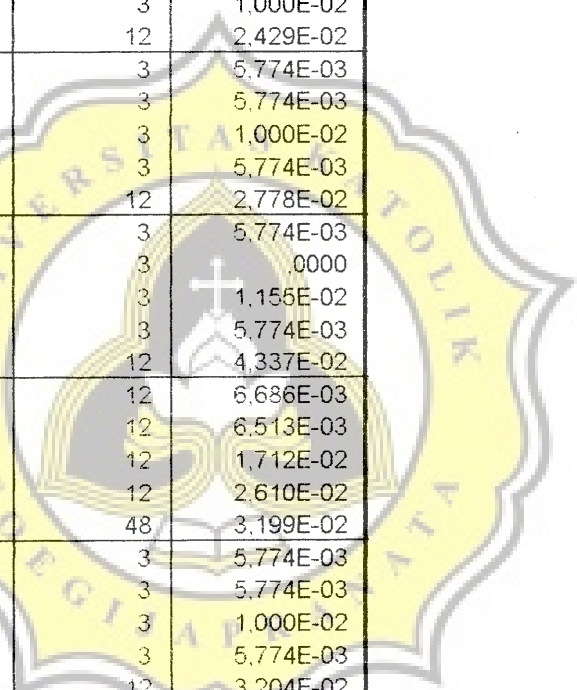
Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

KONS	SIMPAN	AMATI	Mean	N	Std. Deviation	
5%	2	6	,1867	3	5,774E-03	
		12	,1967	3	5,774E-03	
		18	,1667	3	5,774E-03	
		24	7,667E-02	3	1,528E-02	
		Total	,1567	12	5,015E-02	
	3	6	,1667	3	5,774E-03	
		12	,1900	3	1,000E-02	
		18	,1300	3	1,000E-02	
		24	5,000E-02	3	1,000E-02	
		Total	,1342	12	5,600E-02	
	Total	6	,1867	12	1,435E-02	
		12	,2000	12	1,044E-02	
		18	,1667	12	2,425E-02	
		24	9,667E-02	12	3,798E-02	
		Total	,1625	48	4,656E-02	
7,5%	0	6	,2133	3	5,774E-03	
		12	,2233	3	5,774E-03	
		18	,2000	3	1,000E-02	
		24	,1433	3	1,155E-02	
		Total	,1950	12	3,317E-02	
	1	6	,2000	3	1,000E-02	
		12	,2100	3	1,000E-02	
		18	,1967	3	5,774E-03	
		24	,1300	3	1,000E-02	
		Total	,1842	12	3,397E-02	
	2	6	,1933	3	5,774E-03	
		12	,2033	3	5,774E-03	
		18	,1833	3	1,528E-02	
		24	,1133	3	5,774E-03	
		Total	,1733	12	3,774E-02	
	3	6	,1733	3	1,155E-02	
		12	,1967	3	5,774E-03	
		18	,1533	3	1,528E-02	
		24	8,000E-02	3	1,000E-02	
		Total	,1508	12	4,660E-02	
	Total	6	,1950	12	1,679E-02	
		12	,2083	12	1,193E-02	
		18	,1833	12	2,188E-02	
		24	,1167	12	2,605E-02	
		Total	,1758	48	4,052E-02	
	SEGAR	0	6	,3333	3	5,774E-03
			12	,3467	3	5,774E-03
18			,2967	3	5,774E-03	
24			,2233	3	1,528E-02	
Total			,3000	12	5,063E-02	
1		6	,3267	3	5,774E-03	
		12	,3367	3	5,774E-03	
		18	,2867	3	5,774E-03	
		24	,2200	3	1,000E-02	
		Total	,2925	12	4,827E-02	
2		6	,2933	3	5,774E-03	
		12	,3233	3	5,774E-03	
		18	,2367	3	1,155E-02	
		24	,1700	3	1,000E-02	
		Total	,2558	12	6,156E-02	

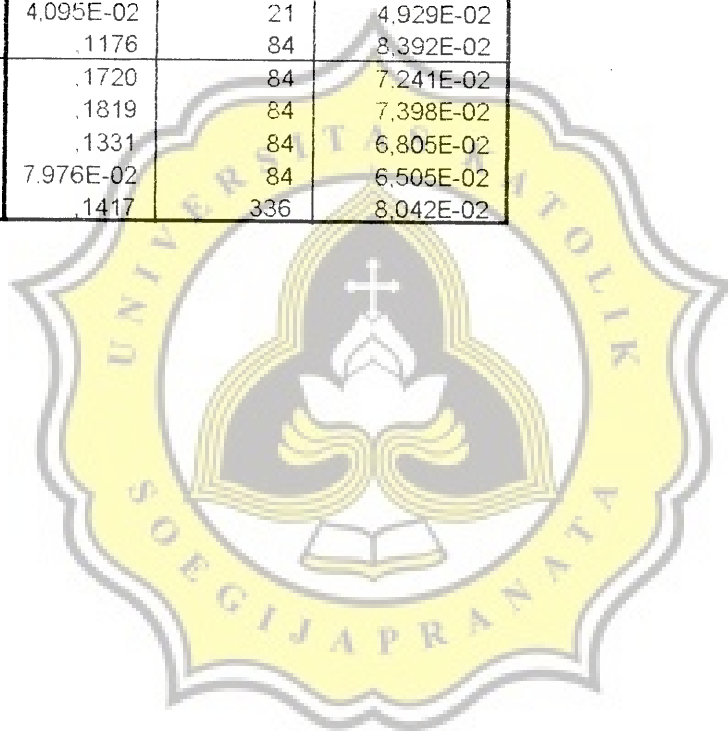
KONS	SIMPAN	AMATI	Mean	N	Std. Deviation	
0,5%	2	6	9,333E-02	3	5,774E-03	
		12	,1067	3	5,774E-03	
		18	6,667E-02	3	5,774E-03	
		24	6,667E-03	3	5,774E-03	
		Total	6,833E-02	12	4,041E-02	
	3	6	8,667E-02	3	5,774E-03	
		12	,1033	3	5,774E-03	
		18	3,333E-02	3	5,774E-03	
		24	,0000	3	,0000	
		Total	5,583E-02	12	4,337E-02	
	Total	6	9,667E-02	12	8,876E-03	
		12	,1075	12	6,216E-03	
		18	6,500E-02	12	2,067E-02	
		24	1,167E-02	12	1,030E-02	
		Total	7,021E-02	48	3,960E-02	
1%	0	6	,1100	3	,0000	
		12	,1167	3	5,774E-03	
		18	9,333E-02	3	5,774E-03	
		24	2,667E-02	3	5,774E-03	
		Total	8,667E-02	12	3,750E-02	
	1	6	,1067	3	5,774E-03	
		12	,1133	3	5,774E-03	
		18	8,667E-02	3	5,774E-03	
		24	2,333E-02	3	5,774E-03	
		Total	8,250E-02	12	3,745E-02	
	2	6	,1033	3	5,774E-03	
		12	,1100	3	1,000E-02	
		18	8,333E-02	3	5,774E-03	
		24	1,000E-02	3	1,000E-02	
		Total	7,667E-02	12	4,207E-02	
	3	6	9,667E-02	3	5,774E-03	
		12	,1067	3	5,774E-03	
		18	4,000E-02	3	1,000E-02	
		24	3,333E-03	3	5,774E-03	
		Total	6,167E-02	12	4,448E-02	
	Total	6	,1042	12	6,686E-03	
		12	,1117	12	7,177E-03	
		18	7,583E-02	12	2,275E-02	
		24	1,583E-02	12	1,165E-02	
		Total	7,688E-02	48	4,033E-02	
	10%	0	6	,2100	3	1,000E-02
			12	,2200	3	,0000
			18	,1933	3	5,774E-03
			24	,1433	3	1,155E-02
			Total	,1917	12	3,157E-02
1		6	,2067	3	5,774E-03	
		12	,2133	3	5,774E-03	
		18	,1767	3	5,774E-03	
		24	,1333	3	1,155E-02	
		Total	,1825	12	3,361E-02	
2		6	,2033	3	5,774E-03	
		12	,2100	3	,0000	
		18	,1633	3	5,774E-03	
		24	,1133	3	5,774E-03	
		Total	,1725	12	4,048E-02	

KONS	SIMPAN	AMATI	Mean	N	Std. Deviation	
10%	3	6	,1933	3	5,774E-03	
		12	,1967	3	5,774E-03	
		18	,1000	3	1,000E-02	
		24	5,333E-02	3	5,774E-03	
		Total	,1358	12	6,445E-02	
	Total	6	,2033	12	8,876E-03	
		12	,2100	12	9,535E-03	
		18	,1583	12	3,738E-02	
		24	,1108	12	3,728E-02	
		Total	,1706	48	4,809E-02	
2%	0	6	,1167	3	5,774E-03	
		12	,1233	3	5,774E-03	
		18	,1033	3	5,774E-03	
		24	7,000E-02	3	1,000E-02	
		Total	,1033	12	2,229E-02	
	1	6	,1100	3	,0000	
		12	,1200	3	,0000	
		18	9,333E-02	3	5,774E-03	
		24	6,000E-02	3	1,000E-02	
		Total	9,583E-02	12	2,429E-02	
	2	6	,1067	3	5,774E-03	
		12	,1133	3	5,774E-03	
		18	9,000E-02	3	1,000E-02	
		24	4,667E-02	3	5,774E-03	
		Total	8,917E-02	12	2,778E-02	
	3	6	6	,1033	3	5,774E-03
			12	,1100	3	,0000
			18	6,333E-02	3	1,155E-02
			24	6,667E-03	3	5,774E-03
			Total	7,083E-02	12	4,337E-02
		Total	6	,1092	12	6,686E-03
			12	,1167	12	6,513E-03
			18	8,750E-02	12	1,712E-02
			24	4,583E-02	12	2,610E-02
			Total	8,979E-02	48	3,199E-02
	5%	0	6	,1967	3	5,774E-03
			12	,2033	3	5,774E-03
18			,1700	3	1,000E-02	
24			,1267	3	5,774E-03	
Total			,1742	12	3,204E-02	
1		6	,1867	3	5,774E-03	
		12	,1967	3	5,774E-03	
		18	,1567	3	5,774E-03	
		24	,1033	3	1,155E-02	
		Total	,1608	12	3,848E-02	
2		6	,1833	3	5,774E-03	
		12	,1933	3	5,774E-03	
		18	,1333	3	5,774E-03	
		24	7,333E-02	3	1,528E-02	
		Total	,1458	12	5,035E-02	
3		6	,1767	3	5,774E-03	
		12	,1900	3	1,000E-02	
		18	8,667E-02	3	5,774E-03	
		24	3,000E-02	3	1,000E-02	
		Total	,1208	12	6,908E-02	



KONS	SIMPAN	AMATI	Mean	N	Std. Deviation
5%	Total	6	,1858	12	9,003E-03
		12	,1958	12	7,930E-03
		18	,1367	12	3,367E-02
		24	8,333E-02	12	3,892E-02
		Total	,1504	48	5,194E-02
7,5%	0	6	,2033	3	5,774E-03
		12	,2133	3	1,155E-02
		18	,1833	3	5,774E-03
		24	,1333	3	5,774E-03
		Total	,1833	12	3,284E-02
	1	6	,1933	3	1,155E-02
		12	,2067	3	5,774E-03
		18	,1667	3	5,774E-03
		24	,1200	3	1,000E-02
		Total	,1717	12	3,538E-02
	2	6	,1867	3	5,774E-03
		12	,2033	3	5,774E-03
		18	,1500	3	1,000E-02
		24	9,667E-02	3	5,774E-03
		Total	,1592	12	4,316E-02
3	6	,1833	3	5,774E-03	
	12	,1933	3	5,774E-03	
	18	9,333E-02	3	5,774E-03	
	24	4,667E-02	3	1,528E-02	
	Total	,1292	12	6,473E-02	
Total	6	,1917	12	1,030E-02	
	12	,2042	12	9,962E-03	
	18	,1483	12	3,589E-02	
	24	9,917E-02	12	3,554E-02	
	Total	,1608	48	4,876E-02	
SEGAR	0	6	,3267	3	5,774E-03
		12	,3367	3	5,774E-03
		18	,2867	3	1,155E-02
		24	,2167	3	1,528E-02
		Total	,2917	12	5,006E-02
	1	6	,3167	3	5,774E-03
		12	,3333	3	5,774E-03
		18	,2667	3	5,774E-03
		24	,2100	3	1,000E-02
		Total	,2817	12	5,060E-02
	2	6	,3067	3	5,774E-03
		12	,3267	3	5,774E-03
		18	,2533	3	5,774E-03
		24	,1933	3	5,774E-03
		Total	,2700	12	5,427E-02
3	6	,3033	3	5,774E-03	
	12	,3133	3	5,774E-03	
	18	,2333	3	5,774E-03	
	24	,1467	3	1,528E-02	
	Total	,2492	12	7,012E-02	
Total	6	,3133	12	1,073E-02	
	12	,3275	12	1,055E-02	
	18	,2600	12	2,132E-02	
	24	,1917	12	3,040E-02	
	Total	,2731	48	5,728E-02	

KONS	SIMPAN	AMATI	Mean	N	Std. Deviation
Total	0	6	.1814	21	7,519E-02
		12	.1890	21	7,707E-02
		18	.1590	21	6,884E-02
		24	.1057	21	6,668E-02
	Total		.1588	84	7,798E-02
	1	6	.1743	21	7,373E-02
		12	.1848	21	7,600E-02
		18	.1462	21	6,399E-02
		24	9,524E-02	21	6,516E-02
	Total		.1501	84	7,700E-02
	2	6	.1690	21	7,217E-02
		12	.1805	21	7,553E-02
		18	.1343	21	6,079E-02
		24	7,714E-02	21	6,238E-02
	Total		.1402	84	7,806E-02
	3	6	.1633	21	7,262E-02
		12	.1733	21	7,179E-02
		18	9,286E-02	21	6,404E-02
		24	4,095E-02	21	4,929E-02
	Total		.1176	84	8,392E-02
Total	6		.1720	84	7,241E-02
	12		.1819	84	7,398E-02
	18		.1331	84	6,805E-02
	24		7,976E-02	84	6,505E-02
	Total		.1417	336	8,042E-02



**SUBTILIS**

Duncan<sup>a,b</sup>

SIMPAN	N	Subset		
		1	2	3
3	21	,1629		
2	21		,1810	
1	21			,1919
0	21			,1957
Sig.		1,000	1,000	,331

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

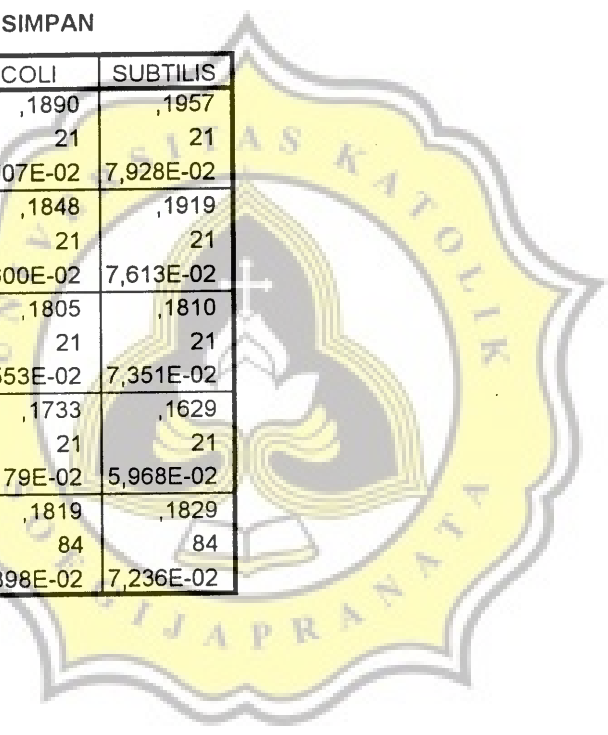
The error term is Mean Square(Error) = 1,589E-04.

a. Uses Harmonic Mean Sample Size = 21,000.

b. Alpha = ,05.

**COLI SUBTILIS \* SIMPAN**

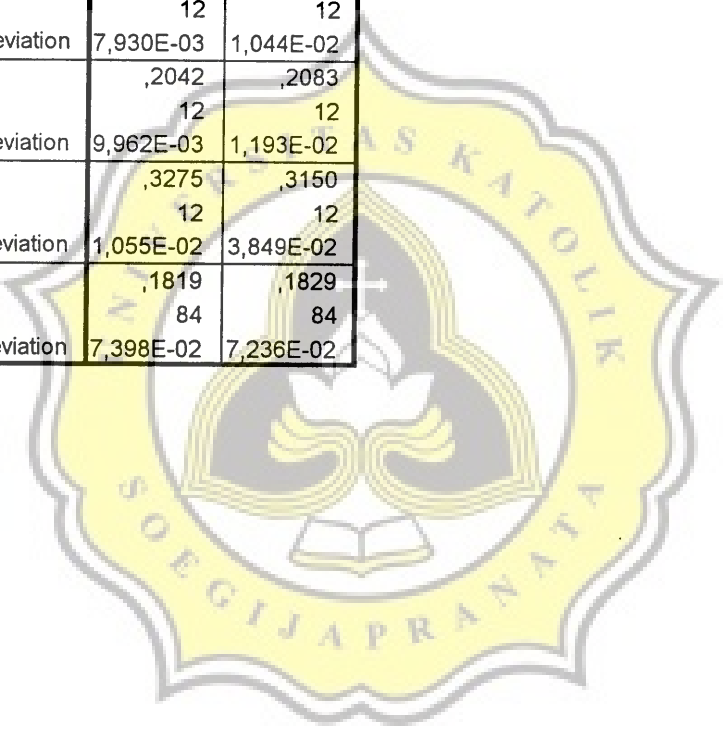
SIMPAN		COLI	SUBTILIS
0	Mean	,1890	,1957
	N	21	21
	Std. Deviation	7,707E-02	7,928E-02
1	Mean	,1848	,1919
	N	21	21
	Std. Deviation	7,600E-02	7,613E-02
2	Mean	,1805	,1810
	N	21	21
	Std. Deviation	7,553E-02	7,351E-02
3	Mean	,1733	,1629
	N	21	21
	Std. Deviation	7,179E-02	5,968E-02
Total	Mean	,1819	,1829
	N	84	84
	Std. Deviation	7,398E-02	7,236E-02





COLI SUBTILIS \* KONS

KONS		COLI	SUBTILIS
0,5%	Mean	,1075	,1075
	N	12	12
	Std. Deviation	6,216E-03	1,288E-02
1%	Mean	,1117	,1142
	N	12	12
	Std. Deviation	7,177E-03	9,003E-03
10%	Mean	,2100	,2167
	N	12	12
	Std. Deviation	9,535E-03	1,557E-02
2%	Mean	,1167	,1184
	N	12	12
	Std. Deviation	6,513E-03	9,395E-03
5%	Mean	,1958	,2000
	N	12	12
	Std. Deviation	7,930E-03	1,044E-02
7,5%	Mean	,2042	,2083
	N	12	12
	Std. Deviation	9,962E-03	1,193E-02
SEGAR	Mean	,3275	,3150
	N	12	12
	Std. Deviation	1,055E-02	3,849E-02
Total	Mean	,1819	,1829
	N	84	84
	Std. Deviation	7,398E-02	7,236E-02



Aktivitas Antimikrobia Antara Diameter Zona Jernih, Konsentrasi dan Penyimpanan Terhadap *Escherichia coli* Jam Ke-12

Tests of Between-Subjects Effects

Dependent Variable: COLI

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	,452 <sup>a</sup>	9	5,018E-02	1407,692	,000
Intercept	2,780	1	2,780	77966,614	,000
KONS	,449	6	7,480E-02	2098,314	,000
SIMPAN	2,829E-03	3	9,429E-04	26,448	,000
Error	2,638E-03	74	3,565E-05		
Total	3,234	84			
Corrected Total	,454	83			

a. R Squared = ,994 (Adjusted R Squared = ,993)

Duncan<sup>a,b</sup>

KONS	N	Subset					
		1	2	3	4	5	6
0,5%	12	,1075					
1%	12	,1117					
2%	12		,1167				
5%	12			,1958			
7,5%	12				,2042		
10%	12					,2100	
SEGAR	12						,3275
Sig.		,092	1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.  
 Based on Type III Sum of Squares  
 The error term is Mean Square(Error) = 3,565E-05.  
 a. Uses Harmonic Mean Sample Size = 12,000.  
 b. Alpha = ,05.

Aktivitas Antimikrobia Antara Diameter Zona Jernih, Konsentrasi dan Penyimpanan Terhadap *Escherichia coli* Jam Ke-12

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Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 3,565E-05.

a. Uses Harmonic Mean Sample Size = 12,000.

b. Alpha = ,05.

COLI

Duncan<sup>a,b</sup>

SIMPAN	N	Subset			
		1	2	3	4
3	21	,1733			
2	21		,1805		
1	21			,1848	
0	21				,1890
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 3,565E-05.

a. Uses Harmonic Mean Sample Size = 21,000.

b. Alpha = ,05.

