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L A M P I R A N



Optimization Software:
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LAMPIRAN

Lampiran 1. Analisis Ragam Aktivitas Antioksidan DPPH Masker Kefir Bedak Lotong dengan Formulasi Temulawak dan Metode Pengeringan Berbeda.

Descriptive Statistics

Dependent Variable: DPPH

| Metode Pengeringan | Konsentrasi Temulawak | Mean | Std. Deviation | N |
|--------------------|-----------------------|---------|----------------|----|
| Oven | 0% | 43,3160 | 5,90822 | 3 |
| | 15% | 52,4583 | 3,83659 | 3 |
| | 30% | 58,2270 | 11,63858 | 3 |
| | 45% | 56,8610 | 10,83463 | 3 |
| | Total | 52,7156 | 9,59583 | 12 |
| Freeze drying | 0% | 47,7447 | 2,59066 | 3 |
| | 15% | 51,6343 | 1,34958 | 3 |
| | 30% | 67,1270 | ,88727 | 3 |
| | 45% | 70,3247 | 4,94480 | 3 |
| | Total | 59,2077 | 10,41293 | 12 |
| Total | 0% | 45,5303 | 4,74672 | 6 |
| | 15% | 52,0463 | 2,61151 | 6 |
| | 30% | 62,6770 | 8,84650 | 6 |
| | 45% | 63,5928 | 10,54121 | 6 |
| | Total | 55,9616 | 10,33879 | 24 |

Tests of Between-Subjects Effects

Dependent Variable: DPPH

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|--|-------------------------|----|-------------|----------|------|
| Corrected Model | 1785,996 ^a | 7 | 255,142 | 6,070 | ,001 |
| Intercept | 75160,883 | 1 | 75160,883 | 1788,249 | ,000 |
| Metode Pengeringan | 252,883 | 1 | 252,883 | 6,017 | ,026 |
| Konsentrasi Temulawak | 1364,838 | 3 | 454,946 | 10,824 | ,000 |
| Metode Pengeringan * Konsentrasi Temulawak | 168,276 | 3 | 56,092 | 1,335 | ,298 |
| Error | 672,487 | 16 | 42,030 | | |
| Total | 77619,367 | 24 | | | |
| Corrected Total | 2458,483 | 23 | | | |

a. R Squared = ,726 (Adjusted R Squared = ,607)



Multiple Comparisons

Dependent Variable: DPPH

| | (I) Konsentrasi Temulawak | (J) Konsentrasi Temulawak | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|-----|---------------------------|---------------------------|-----------------------|------------|------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| LSD | 0% | 15% | -6,5160 | 3,74301 | ,101 | -14,4508 | 1,4188 |
| | | 30% | -17,1467 | 3,74301 | ,000 | -25,0815 | -9,2118 |
| | | 45% | -18,0625 | 3,74301 | ,000 | -25,9973 | -10,1277 |
| | 15% | 0% | 6,5160 | 3,74301 | ,101 | -1,4188 | 14,4508 |
| | | 30% | -10,6307 | 3,74301 | ,012 | -18,5655 | -2,6958 |
| | | 45% | -11,5465 | 3,74301 | ,007 | -19,4813 | -3,6117 |
| | 30% | 0% | 17,1467 | 3,74301 | ,000 | 9,2118 | 25,0815 |
| | | 15% | 10,6307 | 3,74301 | ,012 | 2,6958 | 18,5655 |
| | | 45% | -,9158 | 3,74301 | ,810 | -8,8507 | 7,0190 |
| | 45% | 0% | 18,0625 | 3,74301 | ,000 | 10,1277 | 25,9973 |
| | | 15% | 11,5465 | 3,74301 | ,007 | 3,6117 | 19,4813 |
| | | 30% | -,9158 | 3,74301 | ,810 | -7,0190 | 8,8507 |

Based on observed means.

The error term is Mean Square(Error) = 42,030.

*. The mean difference is significant at the ,05 level.

DPPH

| | Konsentrasi Temulawak | N | Subset | |
|-----------------------|-----------------------|---|---------|---------|
| | | | 1 | 2 |
| Duncan ^{a,b} | 0% | 6 | 45,5303 | |
| | 15% | 6 | 52,0463 | |
| | 30% | 6 | | 62,6770 |
| | 45% | 6 | | 63,5928 |
| | Sig. | | | ,101 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 42,030.

a. Uses Harmonic Mean Sample Size = 6,000.

b. Alpha = ,05.



Lampiran 2. Analisis Ragam Tingkat Oksidasi Lemak atau TBA (*Thiobarbituric Acid*) Masker Kefir Bedak Lotong dengan Formulasi Temulawak dan Metode Pengeringan Berbeda.

Descriptive Statistics

Dependent Variable: TBA

| MetodePengeringan | Konsentrasi Temulawak | Mean | Std. Deviation | N |
|-------------------|-----------------------|-------|----------------|----|
| Oven | 0% | ,4410 | ,01670 | 3 |
| | 15% | ,6700 | ,01652 | 3 |
| | 30% | ,3313 | ,03955 | 3 |
| | 45% | ,2453 | ,02875 | 3 |
| | Total | ,4219 | ,16781 | 12 |
| Freeze drying | 0% | ,9703 | ,02196 | 3 |
| | 15% | ,2700 | ,01825 | 3 |
| | 30% | ,1823 | ,02203 | 3 |
| | 45% | ,1820 | ,09364 | 3 |
| | Total | ,4012 | ,34790 | 12 |
| Total | 0% | ,7057 | ,29045 | 6 |
| | 15% | ,4700 | ,21964 | 6 |
| | 30% | ,2568 | ,08649 | 6 |
| | 45% | ,2137 | ,07100 | 6 |
| | Total | ,4115 | ,26733 | 24 |

Tests of Between-Subjects Effects

Dependent Variable: TBA

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|--|-------------------------|----|-------------|----------|------|
| Corrected Model | 1,618 ^a | 7 | ,231 | 142,081 | ,000 |
| Intercept | 4,065 | 1 | 4,065 | 2499,043 | ,000 |
| Metode Pengeringan | ,003 | 1 | ,003 | 1,588 | ,226 |
| Konsentrasi Temulawak | ,918 | 3 | ,306 | 188,149 | ,000 |
| Metode Pengeringan * Konsentrasi Temulawak | ,697 | 3 | ,232 | 142,844 | ,000 |
| Error | ,026 | 16 | ,002 | | |
| Total | 5,709 | 24 | | | |
| Corrected Total | 1,644 | 23 | | | |

a. R Squared = ,984 (Adjusted R Squared = ,977)

Multiple Comparisons

Dependent Variable: TBA

| | (I) Konsentrasi Temulawak | (J) Konsentrasi Temulawak | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|-----|---------------------------|---------------------------|-----------------------|------------|------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| 0% | 15% | 30% | ,2357 | ,02328 | ,000 | ,1863 | ,2850 |
| | | 45% | ,4488 | ,02328 | ,000 | ,3995 | ,4982 |
| | | 45% | ,4920 | ,02328 | ,000 | ,4426 | ,5414 |
| 15% | 0% | 30% | -,2357 | ,02328 | ,000 | -,2850 | -,1863 |
| | | 30% | ,2132 | ,02328 | ,000 | ,1638 | ,2625 |
| | | 45% | ,2563 | ,02328 | ,000 | ,2070 | ,3057 |
| | 15% | 0% | -,4488 | ,02328 | ,000 | -,4982 | -,3995 |
| | | 15% | -,2132 | ,02328 | ,000 | -,2625 | -,1638 |
| | | 45% | ,0432 | ,02328 | ,082 | -,0062 | ,0925 |
| | 30% | 0% | -,4920 | ,02328 | ,000 | -,5414 | -,4426 |
| | | 15% | -,2563 | ,02328 | ,000 | -,3057 | -,2070 |
| | | 30% | -,0432 | ,02328 | ,082 | -,0925 | ,0062 |



Based on observed means.

The error term is Mean Square(Error) = ,002.

*. The mean difference is significant at the ,05 level.

| TBA | | | | | |
|-----------------------|-----------------------|---|--------|-------|-------|
| | Konsentrasi Temulawak | N | Subset | | |
| | | | 1 | 2 | 3 |
| Duncan ^{a,b} | 45% | 6 | ,2137 | | |
| | 30% | 6 | ,2568 | | |
| | 15% | 6 | | ,4700 | |
| | 0% | 6 | | | ,7057 |
| | Sig. | | ,082 | 1,000 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,002.

a. Uses Harmonic Mean Sample Size = 6,000.

b. Alpha = ,05.

INTERAKSI TBA

Descriptive Statistics

Dependent Variable: TBA

| interaksi | Mean | Std. Deviation | N |
|-----------|-------|----------------|----|
| O0% | ,4410 | ,01670 | 3 |
| O15% | ,6700 | ,01652 | 3 |
| O30% | ,3313 | ,03955 | 3 |
| O45% | ,2453 | ,02875 | 3 |
| F0% | ,9703 | ,02196 | 3 |
| F15% | ,2700 | ,01825 | 3 |
| F30% | ,1823 | ,02203 | 3 |
| F45% | ,1820 | ,09364 | 3 |
| Total | ,4115 | ,26733 | 24 |

Tests of Between-Subjects Effects

Dependent Variable: TBA

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 1,618 ^a | 7 | ,231 | 142,081 | ,000 |
| Intercept | 4,065 | 1 | 4,065 | 2499,043 | ,000 |
| interaksi | 1,618 | 7 | ,231 | 142,081 | ,000 |
| Error | ,026 | 16 | ,002 | | |
| Total | 5,709 | 24 | | | |
| Corrected Total | 1,644 | 23 | | | |

a. R Squared = ,984 (Adjusted R Squared = ,977)

Multiple Comparisons

Dependent Variable: TBA

| si (J) interaksi | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|------------------|-----------------------|------------|------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| O15% | -,2290 | ,03293 | ,000 | -,2988 | -,1592 |
| O30% | ,1097 | ,03293 | ,004 | ,0399 | ,1795 |
| O45% | ,1957 | ,03293 | ,000 | ,1259 | ,2655 |
| F0% | -,5293 | ,03293 | ,000 | -,5991 | -,4595 |



| | | | | | | |
|------|------|--------|--------|------|--------|--------|
| | F15% | ,1710 | ,03293 | ,000 | ,1012 | ,2408 |
| | F30% | ,2587 | ,03293 | ,000 | ,1889 | ,3285 |
| | F45% | ,2590 | ,03293 | ,000 | ,1892 | ,3288 |
| | O0% | ,2290 | ,03293 | ,000 | ,1592 | ,2988 |
| | O30% | ,3387 | ,03293 | ,000 | ,2689 | ,4085 |
| | O45% | ,4247 | ,03293 | ,000 | ,3549 | ,4945 |
| O15% | F0% | -,3003 | ,03293 | ,000 | -,3701 | -,2305 |
| | F15% | ,4000 | ,03293 | ,000 | ,3302 | ,4698 |
| | F30% | ,4877 | ,03293 | ,000 | ,4179 | ,5575 |
| | F45% | ,4880 | ,03293 | ,000 | ,4182 | ,5578 |
| | O0% | -,1097 | ,03293 | ,004 | -,1795 | -,0399 |
| | O15% | -,3387 | ,03293 | ,000 | -,4085 | -,2689 |
| | O45% | ,0860 | ,03293 | ,019 | ,0162 | ,1558 |
| O30% | F0% | -,6390 | ,03293 | ,000 | -,7088 | -,5692 |
| | F15% | ,0613 | ,03293 | ,081 | -,0085 | ,1311 |
| | F30% | ,1490 | ,03293 | ,000 | ,0792 | ,2188 |
| | F45% | ,1493 | ,03293 | ,000 | ,0795 | ,2191 |
| | O0% | -,1957 | ,03293 | ,000 | -,2655 | -,1259 |
| | O15% | -,4247 | ,03293 | ,000 | -,4945 | -,3549 |
| | O30% | -,0860 | ,03293 | ,019 | -,1558 | -,0162 |
| O45% | F0% | -,7250 | ,03293 | ,000 | -,7948 | -,6552 |
| | F15% | -,0247 | ,03293 | ,465 | -,0945 | ,0451 |
| | F30% | ,0630 | ,03293 | ,074 | -,0068 | ,1328 |
| | F45% | ,0633 | ,03293 | ,072 | -,0065 | ,1331 |
| | O0% | ,5293 | ,03293 | ,000 | ,4595 | ,5991 |
| | O15% | ,3003 | ,03293 | ,000 | ,2305 | ,3701 |
| | O30% | ,6390 | ,03293 | ,000 | ,5692 | ,7088 |
| F0% | O45% | ,7250 | ,03293 | ,000 | ,6552 | ,7948 |
| | F15% | ,7003 | ,03293 | ,000 | ,6305 | ,7701 |
| | F30% | ,7880 | ,03293 | ,000 | ,7182 | ,8578 |
| | F45% | ,7883 | ,03293 | ,000 | ,7185 | ,8581 |
| | O0% | -,1710 | ,03293 | ,000 | -,2408 | -,1012 |
| | O15% | -,4000 | ,03293 | ,000 | -,4698 | -,3302 |
| | O30% | -,0613 | ,03293 | ,081 | -,1311 | ,0085 |
| F15% | O45% | ,0247 | ,03293 | ,465 | -,0451 | ,0945 |
| | F0% | -,7003 | ,03293 | ,000 | -,7701 | -,6305 |
| | F30% | ,0877 | ,03293 | ,017 | ,0179 | ,1575 |
| | F45% | ,0880 | ,03293 | ,017 | ,0182 | ,1578 |
| | O0% | -,2587 | ,03293 | ,000 | -,3285 | -,1889 |
| | O15% | -,4877 | ,03293 | ,000 | -,5575 | -,4179 |
| | O30% | -,1490 | ,03293 | ,000 | -,2188 | -,0792 |
| F30% | O45% | -,0630 | ,03293 | ,074 | -,1328 | ,0068 |
| | F0% | -,7880 | ,03293 | ,000 | -,8578 | -,7182 |
| | F15% | -,0877 | ,03293 | ,017 | -,1575 | -,0179 |
| | F45% | ,0003 | ,03293 | ,992 | -,0695 | ,0701 |
| | O0% | -,2590 | ,03293 | ,000 | -,3288 | -,1892 |
| | O15% | -,4880 | ,03293 | ,000 | -,5578 | -,4182 |
| | O30% | -,1493 | ,03293 | ,000 | -,2191 | -,0795 |
| | O45% | -,0633 | ,03293 | ,072 | -,1331 | ,0065 |
| | F0% | -,7883 | ,03293 | ,000 | -,8581 | -,7185 |
| | F15% | -,0880 | ,03293 | ,017 | -,1578 | -,0182 |
| | F30% | -,0003 | ,03293 | ,992 | -,0701 | ,0695 |



| TBA | | | | | | | | |
|-----------------------|-----------|---|--------|-------|-------|-------|-------|-------|
| | interaksi | N | Subset | | | | | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 |
| Duncan ^{a,b} | F45% | 3 | ,1820 | | | | | |
| | F30% | 3 | ,1823 | | | | | |
| | O45% | 3 | ,2453 | ,2453 | | | | |
| | F15% | 3 | | ,2700 | ,2700 | | | |
| | O30% | 3 | | | ,3313 | | | |
| | O0% | 3 | | | | ,4410 | | |
| | O15% | 3 | | | | | ,6700 | |
| | F0% | 3 | | | | | | ,9703 |
| | Sig. | | | ,086 | ,465 | ,081 | 1,000 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,002.

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

b. Alpha = ,05.



Lampiran 3. Analisis Ragam Total Asam Laktat Masker Kefir Bedak Lotong dengan Formulasi Temulawak dan Metode Pengeringan Berbeda.

Descriptive Statistics

Dependent Variable: TotalAsam

| Metode Pengeringan | Konsentrasi Temulawak | Mean | Std. Deviation | N |
|--------------------|-----------------------|--------|----------------|----|
| Oven | 0% | 1,2750 | ,12990 | 3 |
| | 15% | ,8550 | ,07794 | 3 |
| | 30% | 1,1333 | ,20207 | 3 |
| | 45% | 1,3483 | ,22250 | 3 |
| | Total | 1,1529 | ,24370 | 12 |
| Freeze drying | 0% | 1,0500 | ,12990 | 3 |
| | 15% | ,9000 | ,00000 | 3 |
| | 30% | 1,1283 | ,00577 | 3 |
| | 45% | 1,5000 | ,12990 | 3 |
| | Total | 1,1446 | ,24376 | 12 |
| Total | 0% | 1,1625 | ,16937 | 6 |
| | 15% | ,8775 | ,05511 | 6 |
| | 30% | 1,1308 | ,12788 | 6 |
| | 45% | 1,4242 | ,18290 | 6 |
| | Total | 1,1488 | ,23841 | 24 |

Tests of Between-Subjects Effects

Dependent Variable: TotalAsam

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|---|-------------------------|----|-------------|----------|------|
| Corrected Model | 1,013 ^a | 7 | ,145 | 7,873 | ,000 |
| Intercept | 31,671 | 1 | 31,671 | 1722,715 | ,000 |
| Metode Pengeringan | ,000 | 1 | ,000 | ,023 | ,882 |
| Konsentrasi Temulawak | ,900 | 3 | ,300 | 16,312 | ,000 |
| Metode Pengeringan * Konsentrasi Temulawak | ,113 | 3 | ,038 | 2,051 | ,147 |
| Error | ,294 | 16 | ,018 | | |
| Total | 32,978 | 24 | | | |
| Corrected Total | 1,307 | 23 | | | |

a. R Squared = ,775 (Adjusted R Squared = ,677)



Multiple Comparisons

Dependent Variable: TotalAsam

| | (I) Konsentrasi Temulawak | (J) Konsentrasi Temulawak | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|-----|---------------------------|---------------------------|-----------------------|------------|--------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| LSD | 0% | 15% | ,2850 | ,07828 | ,002 | ,1190 | ,4510 |
| | | 30% | ,0317 | ,07828 | ,691 | -,1343 | ,1976 |
| | | 45% | -,2617 | ,07828 | ,004 | -,4276 | -,0957 |
| | 15% | 0% | -,2850 | ,07828 | ,002 | -,4510 | -,1190 |
| | | 30% | -,2533 | ,07828 | ,005 | -,4193 | -,0874 |
| | | 45% | -,5467 | ,07828 | ,000 | -,7126 | -,3807 |
| | 30% | 0% | -,0317 | ,07828 | ,691 | -,1976 | ,1343 |
| | | 15% | ,2533 | ,07828 | ,005 | ,0874 | ,4193 |
| | | 45% | -,2933 | ,07828 | ,002 | -,4593 | -,1274 |
| | 45% | 0% | ,2617 | ,07828 | ,004 | ,0957 | ,4276 |
| | | 15% | ,5467 | ,07828 | ,000 | ,3807 | ,7126 |
| | | | 30% | ,2933 | ,07828 | ,002 | ,1274 |

Based on observed means.

The error term is Mean Square(Error) = ,018.

*. The mean difference is significant at the ,05 level.

Total Asam

| | Konsentrasi Temulawak | N | Subset | | |
|-----------------------|-----------------------|---|--------|--------|--------|
| | | | 1 | 2 | 3 |
| Duncan ^{a,b} | 15% | 6 | ,8775 | | |
| | 30% | 6 | | 1,1308 | |
| | 0% | 6 | | 1,1625 | |
| | 45% | 6 | | | 1,4242 |
| | Sig. | | | 1,000 | ,691 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,018.

a. Uses Harmonic Mean Sample Size = 6,000.

b. Alpha = ,05.



Lampiran 4. Analisis Ragam Nilai pH Masker Kefir Bedak Lotong dengan Formulasi Temulawak dan Metode Pengeringan Berbeda.

Descriptive Statistics

Dependent Variable: pH

| Metode Pengeringan | Konsentrasi Temulawak | Mean | Std. Deviation | N |
|--------------------|-----------------------|--------|----------------|----|
| Oven | 0% | 5,1533 | ,01155 | 3 |
| | 15% | 5,4367 | ,07371 | 3 |
| | 30% | 4,9467 | ,43662 | 3 |
| | 45% | 5,2433 | ,30925 | 3 |
| | Total | 5,1950 | ,29482 | 12 |
| Freeze drying | 0% | 4,5133 | ,03215 | 3 |
| | 15% | 4,3700 | ,01732 | 3 |
| | 30% | 4,5700 | ,08185 | 3 |
| | 45% | 4,4933 | ,06658 | 3 |
| | Total | 4,4867 | ,08988 | 12 |
| Total | 0% | 4,8333 | ,35121 | 6 |
| | 15% | 4,9033 | ,58620 | 6 |
| | 30% | 4,7583 | ,34856 | 6 |
| | 45% | 4,8683 | ,45692 | 6 |
| | Total | 4,8408 | ,41991 | 24 |

Tests of Between-Subjects Effects

Dependent Variable: pH

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|---|-------------------------|----|-------------|-----------|------|
| Corrected Model | 3,447 ^a | 7 | ,492 | 12,945 | ,000 |
| Intercept | 562,408 | 1 | 562,408 | 14785,620 | ,000 |
| Metode Pengeringan | 3,010 | 1 | 3,010 | 79,143 | ,000 |
| Konsentrasi Temulawak | ,069 | 3 | ,023 | ,606 | ,621 |
| Metode Pengeringan * Konsentrasi Temulawak | ,367 | 3 | ,122 | 3,218 | ,051 |
| Error | ,609 | 16 | ,038 | | |
| Total | 566,463 | 24 | | | |
| Corrected Total | 4,055 | 23 | | | |

a. R Squared = ,850 (Adjusted R Squared = ,784)

Multiple Comparisons

Dependent Variable: pH

| | (I) Konsentrasi Temulawak | (J) Konsentrasi Temulawak | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|-----|---------------------------|---------------------------|-----------------------|------------|------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| 0% | 0% | 15% | -,0700 | ,11260 | ,543 | -,3087 | ,1687 |
| | | 30% | ,0750 | ,11260 | ,515 | -,1637 | ,3137 |
| | | 45% | -,0350 | ,11260 | ,760 | -,2737 | ,2037 |
| 15% | 15% | 0% | ,0700 | ,11260 | ,543 | -,1687 | ,3087 |
| | | 30% | ,1450 | ,11260 | ,216 | -,0937 | ,3837 |
| | | 45% | ,0350 | ,11260 | ,760 | -,2037 | ,2737 |
| 30% | 30% | 0% | -,0750 | ,11260 | ,515 | -,3137 | ,1637 |
| | | 15% | -,1450 | ,11260 | ,216 | -,3837 | ,0937 |
| | | 45% | -,1100 | ,11260 | ,343 | -,3487 | ,1287 |
| 45% | 45% | 0% | ,0350 | ,11260 | ,760 | -,2037 | ,2737 |
| | | 15% | -,0350 | ,11260 | ,760 | -,2737 | ,2037 |
| | | 30% | ,1100 | ,11260 | ,343 | -,1287 | ,3487 |

means.
Mean Square(Error) = ,038.



| pH | | | |
|-----------------------|-----------------------|---|--------|
| | Konsentrasi Temulawak | N | Subset |
| | | | 1 |
| Duncan ^{a,b} | 30% | 6 | 4,7583 |
| | 0% | 6 | 4,8333 |
| | 45% | 6 | 4,8683 |
| | 15% | 6 | 4,9033 |
| | Sig. | | ,253 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,038.



Lampiran 5. Analisis Ragam Kadar Alkohol Masker Kefir Bedak Lotong dengan Formulasi Temulawak dan Metode Pengeringan Berbeda.

Descriptive Statistics

Dependent Variable: Alkohol

| Metode Pengeringan | Konsentrasi Temulawak | Mean | Std. Deviation | N |
|--------------------|-----------------------|--------|----------------|----|
| Oven | 0% | ,3200 | ,00000 | 3 |
| | 15% | ,4933 | ,00577 | 3 |
| | 30% | ,5700 | ,06245 | 3 |
| | 45% | ,6600 | ,01000 | 3 |
| | Total | ,5108 | ,13331 | 12 |
| Freeze drying | 0% | ,8533 | ,02887 | 3 |
| | 15% | ,5900 | ,06928 | 3 |
| | 30% | ,9233 | ,06807 | 3 |
| | 45% | 1,3767 | ,60136 | 3 |
| | Total | ,9358 | ,39387 | 12 |
| Total | 0% | ,5867 | ,29269 | 6 |
| | 15% | ,5417 | ,06882 | 6 |
| | 30% | ,7467 | ,20216 | 6 |
| | 45% | 1,0183 | ,54660 | 6 |
| | Total | ,7233 | ,36030 | 24 |

Tests of Between-Subjects Effects

Dependent Variable: Alkohol

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|---|-------------------------|----|-------------|---------|------|
| Corrected Model | 2,234 ^a | 7 | ,319 | 6,791 | ,001 |
| Intercept | 12,557 | 1 | 12,557 | 267,219 | ,000 |
| Metode Pengeringan | 1,084 | 1 | 1,084 | 23,063 | ,000 |
| Konsentrasi Temulawak | ,836 | 3 | ,279 | 5,927 | ,006 |
| Metode Pengeringan * Konsentrasi Temulawak | ,315 | 3 | ,105 | 2,232 | ,124 |
| Error | ,752 | 16 | ,047 | | |
| Total | 15,543 | 24 | | | |
| Corrected Total | 2,986 | 23 | | | |

a. R Squared = ,748 (Adjusted R Squared = ,638)



Multiple Comparisons

Dependent Variable: Alkohol

| | (I) Konsentrasi Temulawak | (J) Konsentrasi Temulawak | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|-----|---------------------------|---------------------------|-----------------------|------------|------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| LSD | 0% | 15% | ,0450 | ,12516 | ,724 | -,2203 | ,3103 |
| | | 30% | -,1600 | ,12516 | ,219 | -,4253 | ,1053 |
| | | 45% | -,4317 | ,12516 | ,003 | -,6970 | -,1663 |
| | 15% | 0% | -,0450 | ,12516 | ,724 | -,3103 | ,2203 |
| | | 30% | -,2050 | ,12516 | ,121 | -,4703 | ,0603 |
| | | 45% | -,4767 | ,12516 | ,002 | -,7420 | -,2113 |
| | 30% | 0% | ,1600 | ,12516 | ,219 | -,1053 | ,4253 |
| | | 15% | ,2050 | ,12516 | ,121 | -,0603 | ,4703 |
| | | 45% | -,2717 | ,12516 | ,045 | -,5370 | -,0063 |
| | 45% | 0% | ,4317 | ,12516 | ,003 | ,1663 | ,6970 |
| | | 15% | ,4767 | ,12516 | ,002 | ,2113 | ,7420 |
| | | 30% | ,2717 | ,12516 | ,045 | ,0063 | ,5370 |

Based on observed means.

The error term is Mean Square(Error) = ,047.

*. The mean difference is significant at the ,05 level.

Alkohol

| | Konsentrasi Temulawak | N | Subset | |
|-----------------------|-----------------------|---|--------|--------|
| | | | 1 | 2 |
| Duncan ^{a,b} | 15% | 6 | ,5417 | |
| | 0% | 6 | ,5867 | |
| | 30% | 6 | ,7467 | |
| | 45% | 6 | | 1,0183 |
| | Sig. | | | ,139 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,047.

a. Uses Harmonic Mean Sample Size = 6,000.

b. Alpha = ,05.



DOKUMENTASI PENELITIAN



Pembuatan Kefir



Pembuatan Bedak Lotong





Proses Kombinasi Kefir & Bedak "Lotong"



Proses Pengeringan Oven



Proses Pengeringan *Freeze Drying*





Proses Penghalusan



Pengujian Antioksidan DPPH



Pengujian TBA (Thiobarbituric Acid)





Pengujian Asam Laktat



Pengujian Potensial Hidrogen (pH)



Pengujian Kadar Alkohol



CURRICULUM VITAE



A. Data Pribadi

1. Nama : Dewi Ramadani
2. Tempat, Tgl Lahir : Watampone, 28 Maret 1992
3. Alamat : Buka Mata Recidance
Blok A No.34 Paccerakkang,
Daya
4. Orang tua
 - a. Bapak : H. Muh. Tahir Pannu
 - b. Ibu : Hj. Fatimah Bakkareng
 - c. Saudara : Muhammad Fachriuddin Al-Fattah, S.E
: Brigpol Wahyudi Fattah, S.H
: Sari Utami Al-Fattah, S.E.Sy., M.Ei
: Muhammad Arif Wiratama Al-Fattah
: Aan Gunawan Al-Fattah

B. Riwayat Pendidikan

Pendidikan Formal

- TK Al Mujahidin Watampone 1997 - 1998
- SD Negeri 1 Watampone 1998 - 2004
- SMP Negeri 2 Watampone 2004 - 2007
- SMA Negeri 1 Unggulan Watampone 2007 - 2010
- Sarjana (S1) Fakultas Peternakan
Universitas Hasanuddin Makassar 2010 - 2014

