

## 7. LAMPIRAN

### Lampiran 1. Foto Kegiatan Analisa Organoleptik



Gambar 9. Panelis Melakukan Uji Ranking Produk Biskuit MP-ASI



Gambar 10. Panelis Menerima Penjelasan Cara Pengisian *Scoresheet* Uji Organoleptik

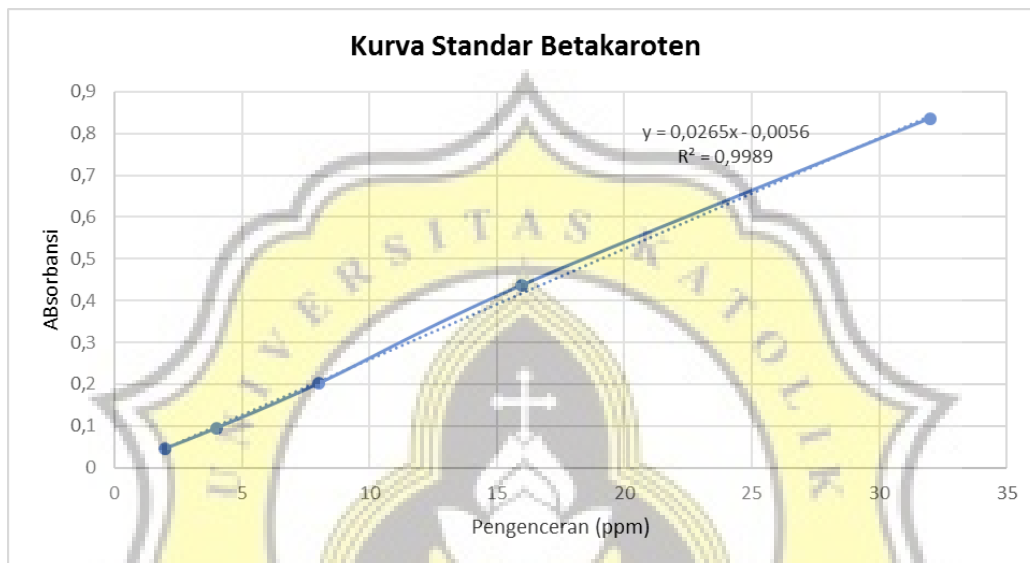


Gambar 11. Panelis Mencoba Biskuit Pada Anak

## Lampiran 2. Kurva Standart Beta karoten

Tabel 11. Pengenceran Kurva Standart Beta karoten

| <i>Pengenceran (ppm)</i> | Absorbansi |
|--------------------------|------------|
| 32                       | 0,8356     |
| 16                       | 0,4370     |
| 8                        | 0,2014     |
| 4                        | 0,0953     |
| 2                        | 0,0464     |



Gambar 12. Kurva Standart Beta karoten

## Lampiran 3. Tabel Perhitungan Angka Kecukupan Gizi

## 1. Biskuit Kontrol

| Zat Gizi        | Kadar Zat Gizi rodruk dalam 100 gram | Kadar Zat Gizi Produk dalam 10 gram (1 takaran saji) | Kebutuhan Kalori Usia 12-24 bulan | % AKG per takaran saji |
|-----------------|--------------------------------------|--|-----------------------------------|------------------------|
| Energi (kal)    | 573,51                               | 57,35  | 1125                              | 5,10                   |
| Protein (g)     | 5,11                                 | 0,511  | 26                                | 1,96                   |
| Lemak (g)       | 37,58                                | 3,758  | 44                                | 8,54                   |
| Karbohidrat (g) | 53,71                                | 5,371  | 155                               | 3,47                   |
| Vitamin A (RE)  | 90,68                                | 9,06   | 400                               | 2,27                   |

## 2. Biskuit Formulasi 1

| Zat Gizi        | Kadar Zat Gizi rodruk dalam 100 gram | Kadar Zat Gizi Produk dalam 10 gram (1 takaran saji) | Kebutuhan Kalori Usia 12-24 bulan | % AKG per takaran saji |
|-----------------|--------------------------------------|--|-----------------------------------|------------------------|
| Energi (kal)    | 544,16                               | 54,42  | 1125                              | 4,84                   |
| Protein (g)     | 5,69                                 | 0,59   | 26                                | 2,19                   |
| Lemak (g)       | 33,88                                | 3,88   | 44                                | 7,70                   |
| Karbohidrat (g) | 54,12                                | 5,41   | 155                               | 3,49                   |
| Vitamin A (RE)  | 360,00                               | 36,00  | 400                               | 9,00                   |

## 3. Biskuit Formulasi 2

| Zat Gizi        | Kadar Zat Gizi rodruk dalam 100 gram | Kadar Zat Gizi Produk dalam 10 gram (1 takaran saji) | Kebutuhan Kalori Usia 12-24 bulan | % AKG per takaran saji |
|-----------------|--------------------------------------|--|-----------------------------------|------------------------|
| Energi (kal)    | 565,61                               | 56,56  | 1125                              | 5,03                   |
| Protein (g)     | 5,75                                 | 0,57   | 26                                | 2,22                   |
| Lemak (g)       | 35,13                                | 3,51   | 44                                | 7,98                   |
| Karbohidrat (g) | 56,61                                | 5,66   | 155                               | 3,65                   |
| Vitamin A (RE)  | 269,49                               | 26,95  | 400                               | 6,74                   |

## 4. Biskuit Formulasi 3

| Zat Gizi        | Kadar Zat Gizi rodruk dalam 100 gram | Kadar Zat Gizi Produk dalam 10 gram (1 takaran saji) | Kebutuhan Kalori Usia 12-24 bulan | % AKG per takaran saji |
|-----------------|--------------------------------------|--|-----------------------------------|------------------------|
| Energi (kal)    | 551,41                               | 55,14  | 1125                              | 4,90                   |
| Protein (g)     | 6,16                                 | 0,61   | 26                                | 2,37                   |
| Lemak (g)       | 34,18                                | 3,42   | 44                                | 7,76                   |
| Karbohidrat (g) | 54,80                                | 5,48   | 155                               | 3,54                   |
| Vitamin A (RE)  | 198,99                               | 19,90  | 400                               | 4,98                   |

## Lampiran 4. Perhitungan Konversi Beta karoten (mg) Ke Vitamin A (RE)

| Formulasi   | Kadar Beta karoten<br>(mg/100 gram) | Kadar Beta karoten<br>( $\mu\text{g}$ /100 gram) | Vitamin A (RE) |
|-------------|-------------------------------------|--|----------------|
| Kontrol     | 1,09                                | 1088,18  | 90,68          |
| Formulasi 1 | 4,32                                | 4320,00  | 360,00         |
| Formulasi 2 | 3,23                                | 3233,84  | 269,49         |
| Formulasi 3 | 2,39                                | 2387,92  | 198,99         |

## Keterangan:

- Kadar beta karoten dalam  $\mu\text{g}$ /100 gram dihitung dengan cara,  
Kadar Beta karoten ( $\mu\text{g}$ /1000 gram) = Kadar Beta karoten (mg/100 gram) x 1000
- Kadar Vitamin A dalam  $\mu\text{g}$  RE dihitung dengan cara,  
Vitamin A = Kadar Beta karoten ( $\mu\text{g}$ /1000 gram)/ 12



## Lampiran 5. Hasil Analisa SPSS Uji Normalitas Kolmogorov Analisa Proksimat

|                   |             | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|-------------------|-------------|---------------------------------|----|-------|--------------|----|------|
|                   | Perlakuan   | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| Kadar_Air         | Kontrol     | ,161                            | 6  | ,200* | ,968         | 6  | ,877 |
|                   | Formulasi 1 | ,167                            | 6  | ,200* | ,981         | 6  | ,956 |
|                   | Formulasi 2 | ,284                            | 6  | ,143  | ,802         | 6  | ,061 |
|                   | Formulasi 3 | ,159                            | 6  | ,200* | ,958         | 6  | ,803 |
| Kadar_Abu         | Kontrol     | ,279                            | 6  | ,158  | ,840         | 6  | ,129 |
|                   | Formulasi 1 | ,219                            | 6  | ,200* | ,933         | 6  | ,607 |
|                   | Formulasi 2 | ,243                            | 6  | ,200* | ,936         | 6  | ,625 |
|                   | Formulasi 3 | ,298                            | 6  | ,104  | ,910         | 6  | ,438 |
| Kadar_Protein     | Kontrol     | ,294                            | 6  | ,114  | ,843         | 6  | ,138 |
|                   | Formulasi 1 | ,205                            | 6  | ,200* | ,902         | 6  | ,388 |
|                   | Formulasi 2 | ,194                            | 6  | ,200* | ,891         | 6  | ,326 |
|                   | Formulasi 3 | ,365                            | 6  | ,012  | ,823         | 6  | ,093 |
| Kadar_Lemak       | Kontrol     | ,310                            | 6  | ,073  | ,787         | 6  | ,045 |
|                   | Formulasi 1 | ,206                            | 6  | ,200* | ,891         | 6  | ,323 |
|                   | Formulasi 2 | ,313                            | 6  | ,068  | ,870         | 6  | ,225 |
|                   | Formulasi 3 | ,190                            | 6  | ,200* | ,949         | 6  | ,731 |
| Kadar_Karbohidrat | Kontrol     | ,210                            | 6  | ,200* | ,850         | 6  | ,157 |
|                   | Formulasi 1 | ,214                            | 6  | ,200* | ,861         | 6  | ,192 |
|                   | Formulasi 2 | ,212                            | 6  | ,200* | ,906         | 6  | ,410 |
|                   | Formulasi 3 | ,191                            | 6  | ,200* | ,958         | 6  | ,805 |

a. Lilliefors Significance Correction  
 \*. This is a lower bound of the true significance.

## 1. Analisa Beta karoten

|                   |             | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|-------------------|-------------|---------------------------------|----|-------|--------------|----|------|
|                   | Perlakuan   | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| Kadar_Betakaroten | Kontrol     | ,162                            | 6  | ,200* | ,970         | 6  | ,890 |
|                   | Formulasi 1 | ,248                            | 6  | ,200* | ,885         | 6  | ,291 |
|                   | Formulasi 2 | ,196                            | 6  | ,200* | ,971         | 6  | ,901 |
|                   | Formulasi 3 | ,161                            | 6  | ,200* | ,964         | 6  | ,847 |

a. Lilliefors Significance Correction  
 \*. This is a lower bound of the true significance.

2. Analisa Kekerasan/ *Hardness***Tests of Normality**

| Perlakuan | Kolmogorov-Smirnov <sup>a</sup> |      |      | Shapiro-Wilk      |      |      |      |
|-----------|---------------------------------|------|------|-------------------|------|------|------|
|           | Statistic                       | df   | Sig. | Statistic         | df   | Sig. |      |
| Hardness  | Kontrol                         | ,188 | 6    | ,200 <sup>*</sup> | ,919 | 6    | ,496 |
|           | Formulasi 1                     | ,179 | 6    | ,200 <sup>*</sup> | ,960 | 6    | ,818 |
|           | Formulasi 2                     | ,153 | 6    | ,200 <sup>*</sup> | ,982 | 6    | ,962 |
|           | Formulasi 3                     | ,256 | 6    | ,200 <sup>*</sup> | ,909 | 6    | ,427 |

a. Lilliefors Significance Correction  
 \*. This is a lower bound of the true significance.

## 3. Analisa Warna

**Tests of Normality**

| Perlakuan | Kolmogorov-Smirnov <sup>a</sup> |      |      | Shapiro-Wilk      |      |      |      |
|-----------|---------------------------------|------|------|-------------------|------|------|------|
|           | Statistic                       | df   | Sig. | Statistic         | df   | Sig. |      |
| L         | Kontrol                         | ,188 | 6    | ,200 <sup>*</sup> | ,929 | 6    | ,573 |
|           | Formulasi 1                     | ,240 | 6    | ,200 <sup>*</sup> | ,917 | 6    | ,484 |
|           | Formulasi 2                     | ,271 | 6    | ,192              | ,880 | 6    | ,268 |
|           | Formulasi 3                     | ,208 | 6    | ,200 <sup>*</sup> | ,892 | 6    | ,328 |
| a         | Kontrol                         | ,169 | 6    | ,200 <sup>*</sup> | ,940 | 6    | ,657 |
|           | Formulasi 1                     | ,221 | 6    | ,200 <sup>*</sup> | ,909 | 6    | ,429 |
|           | Formulasi 2                     | ,288 | 6    | ,132              | ,846 | 6    | ,147 |
|           | Formulasi 3                     | ,273 | 6    | ,185              | ,788 | 6    | ,046 |
| b         | Kontrol                         | ,241 | 6    | ,200 <sup>*</sup> | ,867 | 6    | ,215 |
|           | Formulasi 1                     | ,281 | 6    | ,151              | ,812 | 6    | ,076 |
|           | Formulasi 2                     | ,238 | 6    | ,200 <sup>*</sup> | ,934 | 6    | ,612 |
|           | Formulasi 3                     | ,201 | 6    | ,200 <sup>*</sup> | ,875 | 6    | ,245 |

a. Lilliefors Significance Correction  
 \*. This is a lower bound of the true significance.

## Lampiran 6. Analisa SPSS Uji Lanjutan Duncan

## 1. Kadar Air

**Kadar\_Air**Duncan<sup>a,b</sup>

| Perlakuan   | N | Subset |        |        |
|-------------|---|--------|--------|--------|
|             |   | 1      | 2      | 3      |
| Formulasi 3 | 6 | 2,2167 |        |        |
| Kontrol     | 6 | 2,4433 |        |        |
| Formulasi 2 | 6 |        | 3,0333 |        |
| Formulasi 1 | 6 |        |        | 4,8000 |
| Sig.        |   | ,051   | 1,000  | 1,000  |

Means for groups in homogeneous subsets are displayed.  
Based on observed means.  
The error term is Mean Square(Error) = ,036.

a. Uses Harmonic Mean Sample Size = 6,000.  
b. Alpha = ,05.

## 2. Kadar Abu

**Kadar\_Abu**Duncan<sup>a,b</sup>

| Perlakuan   | N | Subset |        |        |
|-------------|---|--------|--------|--------|
|             |   | 1      | 2      | 3      |
| Kontrol     | 6 | 1,1567 |        |        |
| Formulasi 2 | 6 |        | 1,4443 |        |
| Formulasi 1 | 6 |        | 1,5028 |        |
| Formulasi 3 | 6 |        |        | 1,6272 |
| Sig.        |   | 1,000  | ,289   | 1,000  |

Means for groups in homogeneous subsets are displayed.  
Based on observed means.  
The error term is Mean Square(Error) = ,009.

a. Uses Harmonic Mean Sample Size = 6,000.  
b. Alpha = ,05.



## 3. Kadar Protein

**Kadar\_Protein**Duncan<sup>a,b</sup>

| Perlakuan   | N | Subset |        |
|-------------|---|--------|--------|
|             |   | 1      | 2      |
| Kontrol     | 6 | 5,1072 |        |
| Formulasi 1 | 6 |        | 5,6907 |
| Formulasi 2 | 6 |        | 5,7492 |
| Formulasi 3 | 6 |        | 6,1578 |
| Sig.        |   | 1,000  | ,056   |

Means for groups in homogeneous subsets are displayed.  
Based on observed means.  
The error term is Mean Square(Error) = ,144.

a. Uses Harmonic Mean Sample Size = 6,000.  
b. Alpha = ,05.

## 4. Kadar Lemak

**Kadar\_Lemak**Duncan<sup>a,b</sup>

| Perlakuan   | N | Subset  |         |
|-------------|---|---------|---------|
|             |   | 1       | 2       |
| Formulasi 2 | 6 | 33,1667 |         |
| Formulasi 1 | 6 | 33,8833 |         |
| Formulasi 3 | 6 | 35,2000 |         |
| Kontrol     | 6 |         | 37,5833 |
| Sig.        |   | ,095    | 1,000   |

Means for groups in homogeneous subsets are displayed.  
Based on observed means.  
The error term is Mean Square(Error) = 3,654.

a. Uses Harmonic Mean Sample Size = 6,000.  
b. Alpha = ,05.



## 5. Kadar Karbohidrat

**Kadar\_Karbohidrat**Duncan<sup>a,b</sup>

| Perlakuan   | N | Subset  |         |
|-------------|---|---------|---------|
|             |   | 1       | 2       |
| Kontrol     | 6 | 53,7093 |         |
| Formulasi 1 | 6 | 54,1232 |         |
| Formulasi 3 | 6 | 54,7985 | 54,7985 |
| Formulasi 2 | 6 |         | 56,6063 |
| Sig.        |   | ,354    | ,111    |

Means for groups in homogeneous subsets are displayed.  
Based on observed means.  
The error term is Mean Square(Error) = 3,534.

a. Uses Harmonic Mean Sample Size = 6,000.  
b. Alpha = ,05.

## 6. Kadar Beta karoten

**Kadar\_Betakaroten**Duncan<sup>a,b</sup>

| Perlakuan   | N | Subset |        |        |        |
|-------------|---|--------|--------|--------|--------|
|             |   | 1      | 2      | 3      | 4      |
| Kontrol     | 6 | 1,0886 |        |        |        |
| Formulasi 2 | 6 |        | 2,3879 |        |        |
| Formulasi 3 | 6 |        |        | 3,2339 |        |
| Formulasi 1 | 6 |        |        |        | 4,3200 |
| Sig.        |   | 1,000  | 1,000  | 1,000  | 1,000  |

Means for groups in homogeneous subsets are displayed.  
Based on observed means.  
The error term is Mean Square(Error) = ,141.

a. Uses Harmonic Mean Sample Size = 6,000.  
b. Alpha = ,05.

## 7. Uji Warna L\*

L

Duncan<sup>a,b</sup>

| Perlakuan   | N | Subset  |         |         |
|-------------|---|---------|---------|---------|
|             |   | 1       | 2       | 3       |
| Formulasi 3 | 6 | 60,3483 |         |         |
| Formulasi 2 | 6 | 61,7250 | 61,7250 |         |
| Formulasi 1 | 6 |         | 63,7200 |         |
| Kontrol     | 6 |         |         | 70,3400 |
| Sig.        |   | ,304    | ,142    | 1,000   |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 5,100.

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

b. Alpha = ,05.

## 8. Uji Warna a\*

a

Duncan<sup>a,b</sup>

| Perlakuan   | N | Subset |        |        |        |
|-------------|---|--------|--------|--------|--------|
|             |   | 1      | 2      | 3      | 4      |
| Formulasi 1 | 6 | 1,6117 |        |        |        |
| Kontrol     | 6 |        | 2,4183 |        |        |
| Formulasi 2 | 6 |        |        | 3,2617 |        |
| Formulasi 3 | 6 |        |        |        | 4,3800 |
| Sig.        |   | 1,000  | 1,000  | 1,000  | 1,000  |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,154.

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

b. Alpha = ,05.

## 9. Uji Warna b\*

**b**Duncan<sup>a,b</sup>

| Perlakuan   | N | Subset  |         |         |
|-------------|---|---------|---------|---------|
|             |   | 1       | 2       | 3       |
| Formulasi 3 | 6 | 27,4217 |         |         |
| Formulasi 2 | 6 |         | 30,5500 |         |
| Kontrol     | 6 |         |         | 32,9350 |
| Formulasi 1 | 6 |         |         | 34,7033 |
| Sig.        |   | 1,000   | 1,000   | ,101    |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3,180.

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

b. Alpha = ,05.

## 10. Uji Kekerasan/ Hardness

**Hardness**Duncan<sup>a,b</sup>

| Perlakuan   | N | Subset   |          |          |
|-------------|---|----------|----------|----------|
|             |   | 1        | 2        | 3        |
| Formulasi 1 | 6 | 520,9276 |          |          |
| Formulasi 2 | 6 |          | 728,1270 |          |
| Kontrol     | 6 |          | 793,1455 |          |
| Formulasi 3 | 6 |          |          | 916,4719 |
| Sig.        |   | 1,000    | ,067     | 1,000    |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3393,232.

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

b. Alpha = ,05.

Lampiran 7. Scoresheet Biskuit MP-ASI *Puree* Labu Kuning dan Tepung Beras Merah**UJI RANKING HEDONIK**

Nama : Tanggal :  
 Umur :  
 Produk : Biskuit Pendamping Asi  
 Instruksi :

Berkumur-kumurlah terlebih dahulu sebelum dan sesudah menguji sampel.

Di hadapan Anda terdapat 4 jenis sampel Biskuit. Rasakan dan cicipi sampel secara berurutan dari kiri ke kanan. Setelah mengamati semua sampel, Anda boleh mengulang sesering yang Anda perlukan. Urutkan sampel dari yang paling Anda sukai (= 4) hingga sampel yang paling kurang anda sukai (= 1)

| Atribut        | Kode |  |  |  |
|----------------|------|--|--|--|
|                |      |  |  |  |
| Warna          |      |  |  |  |
| Aroma          |      |  |  |  |
| Rasa           |      |  |  |  |
| Tekstur        |      |  |  |  |
| <i>Overall</i> |      |  |  |  |

Terima kasih



## Lampiran 8. Analisa SPSS Uji Organoleptik

## 1. Analisa SPSS Kruskal-Wallis

Test Statistics<sup>b,c</sup>

|                                     | AROMA             | RASA              | TEKSTUR           | WARNA             | OVERALL           |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Chi-Square                          | 14,281            | 4,938             | 21,343            | 53,424            | 9,974             |
| df                                  | 3                 | 3                 | 3                 | 3                 | 3                 |
| Asymp. Sig.                         | ,003              | ,176              | ,000              | ,000              | ,019              |
| Monte Carlo Sig. Sig.               | ,003 <sup>a</sup> | ,177 <sup>a</sup> | ,000 <sup>a</sup> | ,000 <sup>a</sup> | ,016 <sup>a</sup> |
| 95% Confidence Interval Lower Bound | ,002              | ,169              | ,000              | ,000              | ,013              |
| Upper Bound                         | ,004              | ,184              | ,000              | ,000              | ,018              |

a. Based on 10000 sampled tables with starting seed 299883525.

b. Kruskal Wallis Test

c. Grouping Variable: SAMPEL

## 2. Analisa SPSS Man-Whitney Parameter Tekstur

## Biskuit Kontrol – Biskuit Formulasi 1

Test Statistics<sup>a</sup>

|                        | TEKSTUR  |
|------------------------|----------|
| Mann-Whitney U         | 581,000  |
| Wilcoxon W             | 1442,000 |
| Z                      | -2,194   |
| Asymp. Sig. (2-tailed) | ,028     |

a. Grouping Variable:  
SAMPEL

## Biskuit Kontrol – Biskuit Formulasi 2

Test Statistics<sup>a</sup>

|                        | TEKSTUR  |
|------------------------|----------|
| Mann-Whitney U         | 550,000  |
| Wilcoxon W             | 1370,000 |
| Z                      | -2,349   |
| Asymp. Sig. (2-tailed) | ,019     |

a. Grouping Variable:  
SAMPEL

## Biskuit Kontrol – Biskuit Formulasi 3

Test Statistics<sup>a</sup>

|                        | TEKSTUR  |
|------------------------|----------|
| Mann-Whitney U         | 368,500  |
| Wilcoxon W             | 1188,500 |
| Z                      | -4,189   |
| Asymp. Sig. (2-tailed) | ,000     |

a. Grouping Variable:  
SAMPEL

## Biskuit Formulasi 1 – Biskuit Formulasi 2

Test Statistics<sup>a</sup>

|                        | TEKSTUR  |
|------------------------|----------|
| Mann-Whitney U         | 746,000  |
| Wilcoxon W             | 1566,000 |
| Z                      | -,726    |
| Asymp. Sig. (2-tailed) | ,468     |

a. Grouping Variable:  
SAMPEL

## Biskuit Formulasi 1 – Biskuit Formulasi 3

Test Statistics<sup>a</sup>

|                        | TEKSTUR  |
|------------------------|----------|
| Mann-Whitney U         | 495,500  |
| Wilcoxon W             | 1315,500 |
| Z                      | -3,188   |
| Asymp. Sig. (2-tailed) | ,001     |

a. Grouping Variable:  
SAMPEL

## Biskuit Formulasi 2 – Biskuit Formulasi 3

**Test Statistics<sup>a</sup>**

|                        | TEKSTUR  |
|------------------------|----------|
| Mann-Whitney U         | 576,000  |
| Wilcoxon W             | 1396,000 |
| Z                      | -2,250   |
| Asymp. Sig. (2-tailed) | ,024     |

a. Grouping Variable:  
SAMPEL

## Biskuit Formulasi 1 – Biskuit Formulasi 2

**Test Statistics<sup>a</sup>**

|                        | WARNA    |
|------------------------|----------|
| Mann-Whitney U         | 300,500  |
| Wilcoxon W             | 1120,500 |
| Z                      | -5,135   |
| Asymp. Sig. (2-tailed) | ,000     |

a. Grouping Variable:  
SAMPEL

### 3. Analisa SPSS Man-Whitney Parameter Warna

## Biskuit Kontrol – Biskuit Formulasi 1

**Test Statistics<sup>a</sup>**

|                        | WARNA    |
|------------------------|----------|
| Mann-Whitney U         | 645,500  |
| Wilcoxon W             | 1506,500 |
| Z                      | -1,597   |
| Asymp. Sig. (2-tailed) | ,110     |

a. Grouping Variable:  
SAMPEL

## Biskuit Formulasi 1 – Biskuit Formulasi 3

**Test Statistics<sup>a</sup>**

|                        | WARNA    |
|------------------------|----------|
| Mann-Whitney U         | 285,500  |
| Wilcoxon W             | 1105,500 |
| Z                      | -5,233   |
| Asymp. Sig. (2-tailed) | ,000     |

a. Grouping Variable:  
SAMPEL

## Biskuit Kontrol – Biskuit Formulasi 2

**Test Statistics<sup>a</sup>**

|                        | WARNA    |
|------------------------|----------|
| Mann-Whitney U         | 288,500  |
| Wilcoxon W             | 1108,500 |
| Z                      | -4,996   |
| Asymp. Sig. (2-tailed) | ,000     |

a. Grouping Variable:  
SAMPEL

## Biskuit Formulasi 2 – Biskuit Formulasi 3

**Test Statistics<sup>a</sup>**

|                        | WARNA    |
|------------------------|----------|
| Mann-Whitney U         | 589,000  |
| Wilcoxon W             | 1409,000 |
| Z                      | -2,186   |
| Asymp. Sig. (2-tailed) | ,029     |

a. Grouping Variable:  
SAMPEL

### 4. Analisa SPSS Man-Whitney Parameter Overall

## Biskuit Kontrol – Biskuit Formulasi 3

**Test Statistics<sup>a</sup>**

|                        | WARNA    |
|------------------------|----------|
| Mann-Whitney U         | 285,500  |
| Wilcoxon W             | 1105,500 |
| Z                      | -5,077   |
| Asymp. Sig. (2-tailed) | ,000     |

a. Grouping Variable:  
SAMPEL

## Biskuit Kontrol – Biskuit Formulasi 1

**Test Statistics<sup>a</sup>**

|                        | OVERALL  |
|------------------------|----------|
| Mann-Whitney U         | 698,500  |
| Wilcoxon W             | 1559,500 |
| Z                      | -1,010   |
| Asymp. Sig. (2-tailed) | ,313     |

a. Grouping Variable:  
SAMPEL

## Biskuit Kontrol – Biskuit Formulasi 2

Test Statistics<sup>a</sup>

|                        | OVERALL  |
|------------------------|----------|
| Mann-Whitney U         | 505,500  |
| Wilcoxon W             | 1325,500 |
| Z                      | -2,786   |
| Asymp. Sig. (2-tailed) | ,005     |

a. Grouping Variable:  
SAMPEL

## Biskuit Formulasi 2 – Biskuit Formulasi 3

Test Statistics<sup>a</sup>

|                        | OVERALL  |
|------------------------|----------|
| Mann-Whitney U         | 739,000  |
| Wilcoxon W             | 1559,000 |
| Z                      | -,610    |
| Asymp. Sig. (2-tailed) | ,542     |

a. Grouping Variable:  
SAMPEL

## Biskuit Kontrol – Biskuit Formulasi 3

Test Statistics<sup>a</sup>

|                        | OVERALL  |
|------------------------|----------|
| Mann-Whitney U         | 575,500  |
| Wilcoxon W             | 1395,500 |
| Z                      | -2,081   |
| Asymp. Sig. (2-tailed) | ,037     |

a. Grouping Variable:  
SAMPEL

5. Analisa SPSS Man-Whitney  
Parameter Aroma  
Biskuit Kontrol – Biskuit Formulasi 1Test Statistics<sup>a</sup>

|                        | AROMA    |
|------------------------|----------|
| Mann-Whitney U         | 481,500  |
| Wilcoxon W             | 1342,500 |
| Z                      | -3,166   |
| Asymp. Sig. (2-tailed) | ,002     |

a. Grouping Variable:  
SAMPEL

## Biskuit Formulasi 1 – Biskuit Formulasi 2

Test Statistics<sup>a</sup>

|                        | OVERALL  |
|------------------------|----------|
| Mann-Whitney U         | 595,500  |
| Wilcoxon W             | 1415,500 |
| Z                      | -2,200   |
| Asymp. Sig. (2-tailed) | ,028     |

a. Grouping Variable:  
SAMPEL

## Biskuit Kontrol – Biskuit Formulasi 2

Test Statistics<sup>a</sup>

|                        | AROMA    |
|------------------------|----------|
| Mann-Whitney U         | 631,500  |
| Wilcoxon W             | 1451,500 |
| Z                      | -1,517   |
| Asymp. Sig. (2-tailed) | ,129     |

a. Grouping Variable:  
SAMPEL

## Biskuit Formulasi 1 – Biskuit Formulasi 3

Test Statistics<sup>a</sup>

|                        | OVERALL  |
|------------------------|----------|
| Mann-Whitney U         | 683,500  |
| Wilcoxon W             | 1503,500 |
| Z                      | -1,335   |
| Asymp. Sig. (2-tailed) | ,182     |

a. Grouping Variable:  
SAMPEL

## Biskuit Kontrol – Biskuit Formulasi 3

Test Statistics<sup>a</sup>

|                        | AROMA    |
|------------------------|----------|
| Mann-Whitney U         | 466,500  |
| Wilcoxon W             | 1286,500 |
| Z                      | -3,181   |
| Asymp. Sig. (2-tailed) | ,001     |

a. Grouping Variable:  
SAMPEL



## Biskuit Formulasi 1 – Biskuit Formulasi 2

**Test Statistics<sup>a</sup>**

|                        | AROMA    |
|------------------------|----------|
| Mann-Whitney U         | 657,000  |
| Wilcoxon W             | 1518,000 |
| Z                      | -1,593   |
| Asymp. Sig. (2-tailed) | ,111     |

a. Grouping Variable:  
SAMPEL

## Biskuit Formulasi 1 – Biskuit Formulasi 3

**Test Statistics<sup>a</sup>**

|                        | AROMA    |
|------------------------|----------|
| Mann-Whitney U         | 759,000  |
| Wilcoxon W             | 1579,000 |
| Z                      | -,600    |
| Asymp. Sig. (2-tailed) | ,548     |

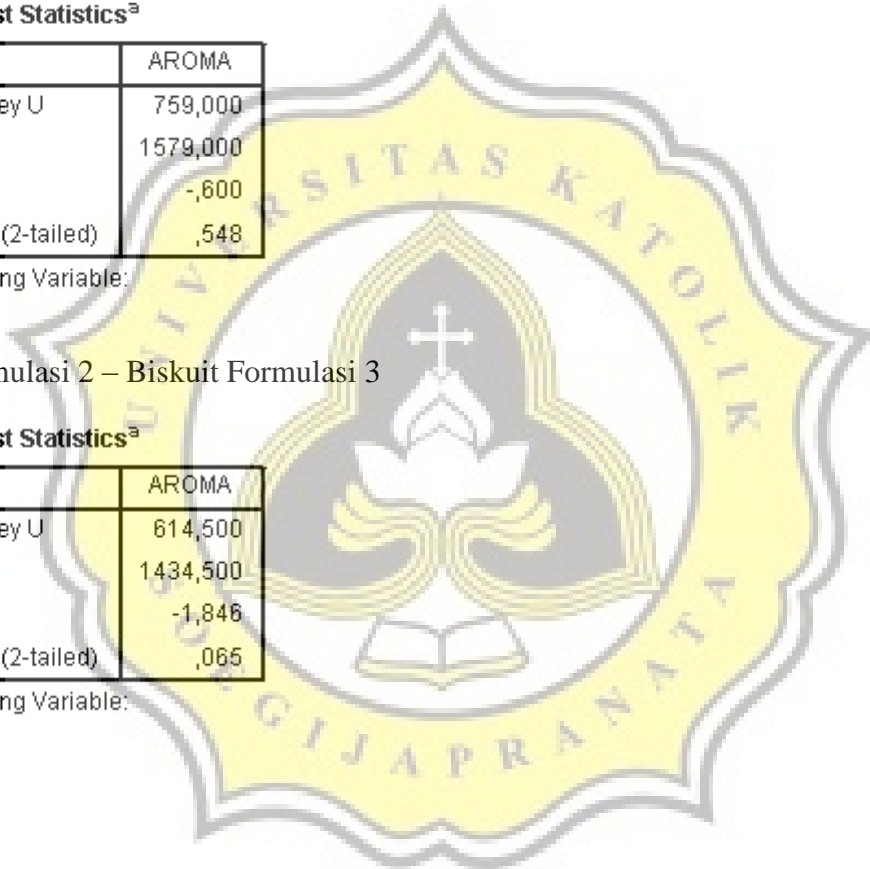
a. Grouping Variable:  
SAMPEL

## Biskuit Formulasi 2 – Biskuit Formulasi 3

**Test Statistics<sup>a</sup>**

|                        | AROMA    |
|------------------------|----------|
| Mann-Whitney U         | 614,500  |
| Wilcoxon W             | 1434,500 |
| Z                      | -1,846   |
| Asymp. Sig. (2-tailed) | ,065     |

a. Grouping Variable:  
SAMPEL



## Lampiran 9. Kandungan Zat Gizi Biskuit MP-ASI

| No  | Zat Gizi                   | Satuan | Kadar dalam 100 gram          |
|-----|----------------------------|--------|-------------------------------|
| 1.  | Energi                     | kkal   | Minimum 400                   |
| 2.  | Protein                    | g      | Minimum 6                     |
| 3.  | Lemak                      | g      | 6-18                          |
| 4.  | Karbohidrat:               |        |                               |
|     | 4.1. Fruktosa              | g      | Maksimum 15                   |
|     | 4.2. Gula (gula sederhana) | g      | Maksimum 30                   |
| 5.  | Vitamin A (acerate)        | RE     | 250-700                       |
| 6.  | Vitamin D                  | mcg    | 3-10                          |
| 7.  | Vitamin E                  | mg     | Minimum 4                     |
| 8.  | Vitamin K                  |        | Minimum 10                    |
| 9.  | Zinc                       | mg     | Minimal 2,5                   |
| 10. | Kalsium                    | mg     | Minimal 200                   |
| 11. | Natrium                    | mg     | Maksimum 200                  |
| 12. | Selenium                   | mcg    | Minimal 15                    |
| 13. | Fosfor                     | mg     | Perbandingan<br>Ca:P= 1,2-2,0 |
|     | Logam:                     |        |                               |
| 14. | Arsen                      | mg     | Maksimal 0,1                  |
| 15. | Timbal                     | mg     | Maksimal 0,3                  |
| 16. | Timah                      | mg     | Maksimal 40                   |
| 17. | Raksa                      | mg     | Maksimal 0,03                 |
| 18. | Air                        | %      | Maksimum 5                    |
| 19. | Abu                        | mg     | Maksimal 3,5                  |
| 20. | Total Lempeng Mikroba      |        | $1,0 \times 10^6$             |

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