


## LAMPIRAN

### Lampiran 1. Proses Pembuatan Tepung Kacang Tunggak

| Perendaman Kacang Tunggak   | Pemisahan Kacang Tunggak dari kulitnya   | Pengeringan Kacang Tunggak  |
|---|--|---|
|    |    |    |
| Penghalusan Kacang Tunggak  | Pengayakan tepung Kacang Tunggak   | Tepung Kacang Tunggak   |
|  |  |  |

**Lampiran 2. Proses Pembuatan Pure pohpohan**

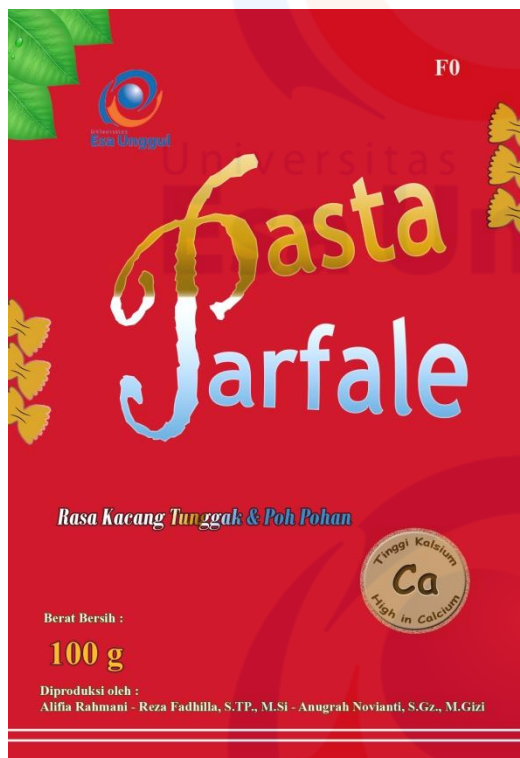
|  |   |   |
|--|---|---|
| Daun Pohpohan  | Daun pohpohan yang telah dipisahkan antara daun dan batangnya                       | Pengkusan daun pohpohan   |
|   |   |  |
| Pengalusan daun pohpohan   | Pure daun pohpohan  |   |
|  |  |   |

### Lampiran 3. Pembuatan Pasta Farfalle

|  |  |  |
|--|--|--|
| <p>Pencampuran tepung terigu, tepung ketan putih, dan telur</p>                    | <p>Pencampuran tepung terigu, tepung ketan putih, telur, tepung kacang tunggak, dan pure daun pohpohan</p> | <p>Penggilingan pasta farfalle</p>   |
|   |                          |   |
| <p>Pembentukan pasta farfalle</p>  | <p>Pemanggangan pasta farfalle</p>   | <p>Produk pasta farfalle</p>   |
|  |                         |  |

## Lampiran 4. Desain *Packaging* Pasta Farfalle

Bagian depan



Bagian belakang



**Lampiran 5. *Informed Consent* dan Formulir Uji Organoleptik (Mutu Hedonik)**

**LEMBAR PERSETUJUAN PANELIS  
(*INFORMED CONSENT*)**

Saya yang bertanda tangan dibawah ini :

Nama :

Umur :

Fakultas/Jurusan :

Menyatakan bersedia menjadi panelis penelitian dari :

Nama : Alifia Rahmani

NIM : 20160302001

Produk : Pasta Farfalle

Saya telah mendapat penjelasan dari peneliti mengenai tujuan penelitian ini. Saya menyatakan bahwa saya telah memenuhi persyaratan untuk menjadi panelis dalam penelitian ini, sesuai dengan penjelasan dari peneliti. Dan saya juga mengerti bahwa penelitian ini tidak akan membahayakan diri saya. Identitas dan jawaban yang akan saya berikan akan dijaga kerahasiaannya dan hanya diperlukan sebagai bahan penelitian.

Demikian surat pernyataan ini saya tandatangani secara sadar dan tanpa ada paksaan dari pihak manapun.

Jakarta,

2020

Panelis

( )



**Lampiran 6. *Informed Consent* dan Formulir Uji Organoleptik (Hedonik)****LEMBAR PERSETUJUAN PANELIS  
(*INFORMED CONSENT*)**

Saya adalah mahasiswa Universitas Esa Unggul yang saat ini sedang melakukan penelitian tugas akhir mengenai pembuatan produk Pasta Parfalle. Oleh karena itu, saya memohon kesediaan waktu adik-adik untuk mengisi formulir penilaian kesukaan terhadap produk yang disajikan. Saya akan merahasiakan seluruh informasi yang adik-adik berikan. Atas kerja samanya saya ucapkan terimakasih.

*Informed consent* :

Setelah saya mendapat penjelasan mengenai tujuan dan manfaat penelitian ini, maka saya:

Nama :

Usia : tahun

Kelas :

Secara suka rela dan tanpa ada paksaan setuju untuk menjadi panelis dalam penelitian ini.

Jakarta, 2020

Tanda tangan panelis

( )

## FORMULIR PENILAIAN UJI HEDONIK

Nama :





Tanggal Pengujian : / / 2020

Umur :

Kode Sampel :

Dihadapan adik telah disajikan produk pasta parfalle. Silahkan adik berikan penilaian organoleptik terhadap sifat produk dengan memberikan tanda *checklist*

(√) pada kolom yang sesuai dengan kode sampel.

|         |  |  |   |  |
|---------|--|--|---|--|
| Tekstur |  |  |  |  |
|         | Tidak Suka   | Kurang Suka  | Suka  | Sangat Suka  |
|         |  |  |   |  |

## FORMULIR PENILAIAN UJI HEDONIK

Nama :

Tanggal Pengujian : / / 2020





Umur :

Kode Sampel :

Dihadapan adik telah disajikan produk pasta parfalle. Silahkan adik berikan penilaian organoleptik terhadap sifat produk dengan memberikan tanda *checklist*

(√) pada kolom yang sesuai dengan kode sampel.



|              |   |   |  |   |
|--------------|---|---|--|---|
| <u>Aroma</u> |  |  |  |  |
|              | Tidak Suka  | Kurang Suka   | Suka   | Sangat Suka   |
|              |   |   |  |   |

FORMULIR PENILAIAN UJI HEDONIK

Nama :

Tanggal Pengujian : / / 2020

Umur :

Kode Sampel :

Dihadapan adik telah disajikan produk pasta parfalle. Silahkan adik berikan penilaian organoleptik terhadap sifat produk dengan memberikan tanda *checklist*

(√) pada kolom yang sesuai dengan kode sampel.

|             |   |   |  |   |
|-------------|---|---|--|---|
| <u>Rasa</u> |  |  |  |  |
|             | Tidak Suka  | Kurang Suka   | Suka   | Sangat Suka   |
|             |   |   |  |   |

## FORMULIR PENILAIAN UJI HEDONIK

Nama :

Tanggal Pengujian : / / 2020

Umur :

Kode Sampel :

Dihadapan adik telah disajikan produk pasta parfalle. Silahkan adik berikan penilaian organoleptik terhadap sifat produk dengan memberikan tanda *checklist*

(√) pada kolom yang sesuai dengan kode sampel.

|       |  |  |   |  |
|-------|--|--|---|--|
| Warna |  |  |  |  |
|       | Tidak Suka   | Kurang Suka  | Suka  | Sangat Suka  |
|       |  |  |   |  |

## FORMULIR PENILAIAN UJI HEDONIK

Nama :





Tanggal Pengujian : / / 2020

Umur :

Kode Sampel :

Dihadapan adik telah disajikan produk pasta parfalle. Silahkan adik berikan penilaian organoleptik terhadap sifat produk dengan memberikan tanda *checklist*

(√) pada kolom yang sesuai dengan kode sampel.

|                    |   |   |  |   |
|--------------------|---|---|--|---|
| <u>Keseluruhan</u> |  |  |  |  |
|                    | Tidak Suka  | Kurang Suka   | Suka   | Sangat Suka   |

**Lampiran 7. Hasil Output SPSS Uji Hedonik Panelis Konsumen**

**Descriptives**

|         |       | N   | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean |             | Minimum | Maximum |
|---------|-------|-----|------|----------------|------------|----------------------------------|-------------|---------|---------|
|         |       |     |      |                |            | Lower Bound                      | Upper Bound |         |         |
| Tekstur | 0     | 30  | 2.77 | .728           | .133       | 2.49                             | 3.04        | 1       | 4       |
|         | 1     | 30  | 2.87 | 1.074          | .196       | 2.47                             | 3.27        | 1       | 4       |
|         | 2     | 30  | 2.93 | .907           | .166       | 2.59                             | 3.27        | 1       | 4       |
|         | 3     | 30  | 2.97 | .964           | .176       | 2.61                             | 3.33        | 1       | 4       |
|         | Total | 120 | 2.88 | .918           | .084       | 2.72                             | 3.05        | 1       | 4       |
| Aroma   | 0     | 30  | 2.70 | .837           | .153       | 2.39                             | 3.01        | 1       | 4       |
|         | 1     | 30  | 3.00 | .788           | .144       | 2.71                             | 3.29        | 1       | 4       |
|         | 2     | 30  | 3.00 | .910           | .166       | 2.66                             | 3.34        | 1       | 4       |
|         | 3     | 30  | 2.90 | .885           | .162       | 2.57                             | 3.23        | 1       | 4       |
|         | Total | 120 | 2.90 | .854           | .078       | 2.75                             | 3.05        | 1       | 4       |
| Rasa    | 0     | 30  | 2.77 | .858           | .157       | 2.45                             | 3.09        | 1       | 4       |
|         | 1     | 30  | 3.00 | .788           | .144       | 2.71                             | 3.29        | 1       | 4       |
|         | 2     | 30  | 3.23 | .858           | .157       | 2.91                             | 3.55        | 1       | 4       |
|         | 3     | 30  | 2.90 | .923           | .168       | 2.56                             | 3.24        | 1       | 4       |
|         | Total | 120 | 2.98 | .864           | .079       | 2.82                             | 3.13        | 1       | 4       |
| Warna   | 0     | 30  | 3.17 | .874           | .160       | 2.84                             | 3.49        | 1       | 4       |

|                         |       |     |      |      |      |      |      |   |   |
|-------------------------|-------|-----|------|------|------|------|------|---|---|
|                         | 1     | 30  | 2.90 | .885 | .162 | 2.57 | 3.23 | 1 | 4 |
|                         | 2     | 30  | 2.90 | .845 | .154 | 2.58 | 3.22 | 1 | 4 |
|                         | 3     | 30  | 2.73 | .907 | .166 | 2.39 | 3.07 | 1 | 4 |
|                         | Total | 120 | 2.92 | .881 | .080 | 2.77 | 3.08 | 1 | 4 |
| Kesukaan<br>Keseluruhan | 0     | 30  | 2.97 | .850 | .155 | 2.65 | 3.28 | 1 | 4 |
|                         | 1     | 30  | 3.03 | .850 | .155 | 2.72 | 3.35 | 1 | 4 |
|                         | 2     | 30  | 3.10 | .845 | .154 | 2.78 | 3.42 | 1 | 4 |
|                         | 3     | 30  | 2.90 | .960 | .175 | 2.54 | 3.26 | 1 | 4 |
|                         | Total | 120 | 3.00 | .870 | .079 | 2.84 | 3.16 | 1 | 4 |

## ANOVA

|         |                | Sum of Squares | df  | Mean Square | F    | Sig. |
|---------|----------------|----------------|-----|-------------|------|------|
| Tekstur | Between Groups | .700           | 3   | .233        | .272 | .846 |
|         | Within Groups  | 99.667         | 116 | .859        |      |      |
|         | Total          | 100.367        | 119 |             |      |      |
| Aroma   | Between Groups | 1.800          | 3   | .600        | .819 | .486 |
|         | Within Groups  | 85.000         | 116 | .733        |      |      |
|         | Total          | 86.800         | 119 |             |      |      |

|                      |                |        |     |       |       |      |
|----------------------|----------------|--------|-----|-------|-------|------|
| Rasa                 | Between Groups | 3.492  | 3   | 1.164 | 1.580 | .198 |
|                      | Within Groups  | 85.433 | 116 | .736  |       |      |
|                      | Total          | 88.925 | 119 |       |       |      |
| Warna                | Between Groups | 2.892  | 3   | .964  | 1.250 | .295 |
|                      | Within Groups  | 89.433 | 116 | .771  |       |      |
|                      | Total          | 92.325 | 119 |       |       |      |
| Kesukaan Keseluruhan | Between Groups | .667   | 3   | .222  | .289  | .834 |
|                      | Within Groups  | 89.333 | 116 | .770  |       |      |
|                      | Total          | 90.000 | 119 |       |       |      |

### Multiple Comparisons

Bonferroni

| Dependent Variable | (I) Kode Sampel Produk | (J) Kode Sampel Produk | Mean Difference (I-J) | Std. Error | Sig.  | 95% Confidence Interval |             |
|--------------------|------------------------|------------------------|-----------------------|------------|-------|-------------------------|-------------|
|                    |                        |                        |                       |            |       | Lower Bound             | Upper Bound |
| Tekstur            | 0                      | 1                      | -.100                 | .239       | 1.000 | -.74                    | .54         |
|                    |                        | 2                      | -.167                 | .239       | 1.000 | -.81                    | .48         |
|                    |                        | 3                      | -.200                 | .239       | 1.000 | -.84                    | .44         |

|       |   |   |       |      |       |      |     |
|-------|---|---|-------|------|-------|------|-----|
|       | 1 | 0 | .100  | .239 | 1.000 | -.54 | .74 |
|       |   | 2 | -.067 | .239 | 1.000 | -.71 | .58 |
|       |   | 3 | -.100 | .239 | 1.000 | -.74 | .54 |
|       | 2 | 0 | .167  | .239 | 1.000 | -.48 | .81 |
|       |   | 1 | .067  | .239 | 1.000 | -.58 | .71 |
|       |   | 3 | -.033 | .239 | 1.000 | -.68 | .61 |
|       | 3 | 0 | .200  | .239 | 1.000 | -.44 | .84 |
|       |   | 1 | .100  | .239 | 1.000 | -.54 | .74 |
|       |   | 2 | .033  | .239 | 1.000 | -.61 | .68 |
| Aroma | 0 | 1 | -.300 | .221 | 1.000 | -.89 | .29 |
|       |   | 2 | -.300 | .221 | 1.000 | -.89 | .29 |
|       |   | 3 | -.200 | .221 | 1.000 | -.79 | .39 |
|       | 1 | 0 | .300  | .221 | 1.000 | -.29 | .89 |
|       |   | 2 | .000  | .221 | 1.000 | -.59 | .59 |
|       |   | 3 | .100  | .221 | 1.000 | -.49 | .69 |
|       | 2 | 0 | .300  | .221 | 1.000 | -.29 | .89 |
|       |   | 1 | .000  | .221 | 1.000 | -.59 | .59 |
|       |   | 3 | .100  | .221 | 1.000 | -.49 | .69 |
|       | 3 | 0 | .200  | .221 | 1.000 | -.39 | .79 |
|       |   | 1 | -.100 | .221 | 1.000 | -.69 | .49 |
|       |   | 2 | -.100 | .221 | 1.000 | -.69 | .49 |

|       |   |   |       |      |       |       |      |
|-------|---|---|-------|------|-------|-------|------|
| Rasa  | 0 | 1 | -.233 | .222 | 1.000 | -.83  | .36  |
|       |   | 2 | -.467 | .222 | .224  | -1.06 | .13  |
|       |   | 3 | -.133 | .222 | 1.000 | -.73  | .46  |
|       | 1 | 0 | .233  | .222 | 1.000 | -.36  | .83  |
|       |   | 2 | -.233 | .222 | 1.000 | -.83  | .36  |
|       |   | 3 | .100  | .222 | 1.000 | -.49  | .69  |
|       | 2 | 0 | .467  | .222 | .224  | -.13  | 1.06 |
|       |   | 1 | .233  | .222 | 1.000 | -.36  | .83  |
|       |   | 3 | .333  | .222 | .811  | -.26  | .93  |
|       | 3 | 0 | .133  | .222 | 1.000 | -.46  | .73  |
|       |   | 1 | -.100 | .222 | 1.000 | -.69  | .49  |
|       |   | 2 | -.333 | .222 | .811  | -.93  | .26  |
| Warna | 0 | 1 | .267  | .227 | 1.000 | -.34  | .88  |
|       |   | 2 | .267  | .227 | 1.000 | -.34  | .88  |
|       |   | 3 | .433  | .227 | .351  | -.18  | 1.04 |
|       | 1 | 0 | -.267 | .227 | 1.000 | -.88  | .34  |
|       |   | 2 | .000  | .227 | 1.000 | -.61  | .61  |
|       |   | 3 | .167  | .227 | 1.000 | -.44  | .78  |
|       | 2 | 0 | -.267 | .227 | 1.000 | -.88  | .34  |
|       |   | 1 | .000  | .227 | 1.000 | -.61  | .61  |
|       |   | 3 | .167  | .227 | 1.000 | -.44  | .78  |



|                         |   |   |       |      |       |       |     |
|-------------------------|---|---|-------|------|-------|-------|-----|
|                         | 3 | 0 | -.433 | .227 | .351  | -1.04 | .18 |
|                         |   | 1 | -.167 | .227 | 1.000 | -.78  | .44 |
|                         |   | 2 | -.167 | .227 | 1.000 | -.78  | .44 |
| Kesukaan<br>Keseluruhan | 0 | 1 | -.067 | .227 | 1.000 | -.67  | .54 |
|                         |   | 2 | -.133 | .227 | 1.000 | -.74  | .47 |
|                         |   | 3 | .067  | .227 | 1.000 | -.54  | .67 |
|                         | 1 | 0 | .067  | .227 | 1.000 | -.54  | .67 |
|                         |   | 2 | -.067 | .227 | 1.000 | -.67  | .54 |
|                         |   | 3 | .133  | .227 | 1.000 | -.47  | .74 |
|                         | 2 | 0 | .133  | .227 | 1.000 | -.47  | .74 |
|                         |   | 1 | .067  | .227 | 1.000 | -.54  | .67 |
|                         |   | 3 | .200  | .227 | 1.000 | -.41  | .81 |
|                         | 3 | 0 | -.067 | .227 | 1.000 | -.67  | .54 |
|                         |   | 1 | -.133 | .227 | 1.000 | -.74  | .47 |
|                         |   | 2 | -.200 | .227 | 1.000 | -.81  | .41 |

### Lampiran 8. Hasil Analisis Kandungan Gizi

#### Descriptives

|             |       | N | Mean    | Std. Deviation | Std. Error | 95% Confidence Interval for Mean |             | Minimum | Maximum |
|-------------|-------|---|---------|----------------|------------|----------------------------------|-------------|---------|---------|
|             |       |   |         |                |            | Lower Bound                      | Upper Bound |         |         |
| Kalsium     | 0     | 2 | 163.975 | 1.4354         | 1.0150     | 151.078                          | 176.872     | 163.0   | 165.0   |
|             | 1     | 2 | 393.420 | .3960          | .2800      | 389.862                          | 396.978     | 393.1   | 393.7   |
|             | 2     | 2 | 323.730 | 4.4406         | 3.1400     | 283.833                          | 363.627     | 320.6   | 326.9   |
|             | 3     | 2 | 295.655 | 2.9911         | 2.1150     | 268.781                          | 322.529     | 293.5   | 297.8   |
|             | Total | 8 | 294.195 | 88.9506        | 31.4488    | 219.830                          | 368.560     | 163.0   | 393.7   |
| Karbohidrat | 0     | 2 | 74.110  | .1980          | .1400      | 72.331                           | 75.889      | 74.0    | 74.2    |
|             | 1     | 2 | 68.925  | .0495          | .0350      | 68.480                           | 69.370      | 68.9    | 69.0    |
|             | 2     | 2 | 64.625  | .4455          | .3150      | 60.623                           | 68.627      | 64.3    | 64.9    |
|             | 3     | 2 | 72.025  | .2899          | .2050      | 69.420                           | 74.630      | 71.8    | 72.2    |
|             | Total | 8 | 69.921  | 3.8238         | 1.3519     | 66.724                           | 73.118      | 64.3    | 74.2    |
| Protein     | 0     | 2 | 13.550  | .1556          | .1100      | 12.152                           | 14.948      | 13.4    | 13.7    |
|             | 1     | 2 | 17.625  | .0495          | .0350      | 17.180                           | 18.070      | 17.6    | 17.7    |
|             | 2     | 2 | 22.370  | .3536          | .2500      | 19.193                           | 25.547      | 22.1    | 22.6    |
|             | 3     | 2 | 13.325  | .1485          | .1050      | 11.991                           | 14.659      | 13.2    | 13.4    |
|             | Total | 8 | 16.718  | 3.9426         | 1.3939     | 13.421                           | 20.014      | 13.2    | 22.6    |
| Lemak       | 0     | 2 | 3.770   | .0141          | .0100      | 3.643                            | 3.897       | 3.8     | 3.8     |

|           |       |   |       |        |       |       |       |     |     |
|-----------|-------|---|-------|--------|-------|-------|-------|-----|-----|
| Total     | 1     | 2 | 5.410 | .0283  | .0200 | 5.156 | 5.664 | 5.4 | 5.4 |
|           | 2     | 2 | 4.725 | .0212  | .0150 | 4.534 | 4.916 | 4.7 | 4.7 |
|           | 3     | 2 | 3.680 | .0283  | .0200 | 3.426 | 3.934 | 3.7 | 3.7 |
|           | Total | 8 | 4.396 | .7638  | .2701 | 3.758 | 5.035 | 3.7 | 5.4 |
| Kadar Abu | 0     | 2 | 2.400 | .0141  | .0100 | 2.273 | 2.527 | 2.4 | 2.4 |
|           | 1     | 2 | 2.315 | .0212  | .0150 | 2.124 | 2.506 | 2.3 | 2.3 |
|           | 2     | 2 | 2.395 | .0212  | .0150 | 2.204 | 2.586 | 2.4 | 2.4 |
|           | 3     | 2 | 2.210 | .0283  | .0200 | 1.956 | 2.464 | 2.2 | 2.2 |
|           | Total | 8 | 2.330 | .0840  | .0297 | 2.260 | 2.400 | 2.2 | 2.4 |
| Kadar Air | 0     | 2 | 6.170 | .0707  | .0500 | 5.535 | 6.805 | 6.1 | 6.2 |
|           | 1     | 2 | 5.725 | .0495  | .0350 | 5.280 | 6.170 | 5.7 | 5.8 |
|           | 2     | 2 | 5.885 | .0495  | .0350 | 5.440 | 6.330 | 5.8 | 5.9 |
|           | 3     | 2 | 8.760 | .0849  | .0600 | 7.998 | 9.522 | 8.7 | 8.8 |
|           | Total | 8 | 6.635 | 1.3235 | .4679 | 5.529 | 7.741 | 5.7 | 8.8 |

## ANOVA

|         |                | Sum of Squares | df | Mean Square | F       | Sig. |
|---------|----------------|----------------|----|-------------|---------|------|
| Kalsium | Between Groups | 55354.594      | 3  | 18451.531   | 2.390E3 | .000 |
|         | Within Groups  | 30.883         | 4  | 7.721       |         |      |
|         | Total          | 55385.477      | 7  |             |         |      |

|             |                |         |   |        |         |      |
|-------------|----------------|---------|---|--------|---------|------|
| Karbohidrat | Between Groups | 102.028 | 3 | 34.009 | 419.675 | .000 |
|             | Within Groups  | .324    | 4 | .081   |         |      |
|             | Total          | 102.352 | 7 |        |         |      |
| Protein     | Between Groups | 108.633 | 3 | 36.211 | 833.873 | .000 |
|             | Within Groups  | .174    | 4 | .043   |         |      |
|             | Total          | 108.807 | 7 |        |         |      |
| Lemak Total | Between Groups | 4.082   | 3 | 1.361  | 2.419E3 | .000 |
|             | Within Groups  | .002    | 4 | .001   |         |      |
|             | Total          | 4.084   | 7 |        |         |      |
| Kadar Abu   | Between Groups | .048    | 3 | .016   | 33.333  | .003 |
|             | Within Groups  | .002    | 4 | .000   |         |      |
|             | Total          | .049    | 7 |        |         |      |
| Kadar Air   | Between Groups | 12.245  | 3 | 4.082  | 954.768 | .000 |
|             | Within Groups  | .017    | 4 | .004   |         |      |
|             | Total          | 12.262  | 7 |        |         |      |

## Post Hoc Tests

## Multiple Comparisons

Bonferroni

| Dependent Variable | (I) Kode Formulasi | (J) Kode Formulasi | Mean Difference (I-J) | Std. Error | Sig.     | 95% Confidence Interval |             |
|--------------------|--------------------|--------------------|-----------------------|------------|----------|-------------------------|-------------|
|                    |                    |                    |                       |            |          | Lower Bound             | Upper Bound |
| Kalsium            | 0                  | 1                  | -229.4450*            | 2.7786     | .000     | -242.924                | -215.966    |
|                    |                    | 2                  | -159.7550*            | 2.7786     | .000     | -173.234                | -146.276    |
|                    |                    | 3                  | -131.6800*            | 2.7786     | .000     | -145.159                | -118.201    |
|                    | 1                  | 0                  | 229.4450*             | 2.7786     | .000     | 215.966                 | 242.924     |
|                    |                    | 2                  | 69.6900*              | 2.7786     | .000     | 56.211                  | 83.169      |
|                    |                    | 3                  | 97.7650*              | 2.7786     | .000     | 84.286                  | 111.244     |
|                    | 2                  | 0                  | 159.7550*             | 2.7786     | .000     | 146.276                 | 173.234     |
|                    |                    | 1                  | -69.6900*             | 2.7786     | .000     | -83.169                 | -56.211     |
|                    |                    | 3                  | 28.0750*              | 2.7786     | .003     | 14.596                  | 41.554      |
| 3                  | 0                  | 131.6800*          | 2.7786                | .000       | 118.201  | 145.159                 |             |
|                    | 1                  | -97.7650*          | 2.7786                | .000       | -111.244 | -84.286                 |             |
|                    | 2                  | -28.0750*          | 2.7786                | .003       | -41.554  | -14.596                 |             |
| Karbohidrat        | 0                  | 1                  | 5.1850*               | .2847      | .000     | 3.804                   | 6.566       |
|                    |                    | 2                  | 9.4850*               | .2847      | .000     | 8.104                   | 10.866      |
|                    |                    | 3                  | 2.0850*               | .2847      | .011     | .704                    | 3.466       |

|         |   |   |          |       |       |         |        |
|---------|---|---|----------|-------|-------|---------|--------|
|         | 1 | 0 | -5.1850* | .2847 | .000  | -6.566  | -3.804 |
|         |   | 2 | 4.3000*  | .2847 | .001  | 2.919   | 5.681  |
|         |   | 3 | -3.1000* | .2847 | .002  | -4.481  | -1.719 |
|         | 2 | 0 | -9.4850* | .2847 | .000  | -10.866 | -8.104 |
|         |   | 1 | -4.3000* | .2847 | .001  | -5.681  | -2.919 |
|         |   | 3 | -7.4000* | .2847 | .000  | -8.781  | -6.019 |
|         | 3 | 0 | -2.0850* | .2847 | .011  | -3.466  | -.704  |
|         |   | 1 | 3.1000*  | .2847 | .002  | 1.719   | 4.481  |
|         |   | 2 | 7.4000*  | .2847 | .000  | 6.019   | 8.781  |
| Protein | 0 | 1 | -4.0750* | .2084 | .000  | -5.086  | -3.064 |
|         |   | 2 | -8.8200* | .2084 | .000  | -9.831  | -7.809 |
|         |   | 3 | .2250    | .2084 | 1.000 | -.786   | 1.236  |
|         | 1 | 0 | 4.0750*  | .2084 | .000  | 3.064   | 5.086  |
|         |   | 2 | -4.7450* | .2084 | .000  | -5.756  | -3.734 |
|         |   | 3 | 4.3000*  | .2084 | .000  | 3.289   | 5.311  |
|         | 2 | 0 | 8.8200*  | .2084 | .000  | 7.809   | 9.831  |
|         |   | 1 | 4.7450*  | .2084 | .000  | 3.734   | 5.756  |
|         |   | 3 | 9.0450*  | .2084 | .000  | 8.034   | 10.056 |
|         | 3 | 0 | -.2250   | .2084 | 1.000 | -1.236  | .786   |
|         |   | 1 | -4.3000* | .2084 | .000  | -5.311  | -3.289 |
|         |   | 2 | -9.0450* | .2084 | .000  | -10.056 | -8.034 |

|             |   |          |          |       |        |        |        |
|-------------|---|----------|----------|-------|--------|--------|--------|
| Lemak Total | 0 | 1        | -1.6400* | .0237 | .000   | -1.755 | -1.525 |
|             |   | 2        | -.9550*  | .0237 | .000   | -1.070 | -.840  |
|             |   | 3        | .0900    | .0237 | .115   | -.025  | .205   |
|             | 1 | 0        | 1.6400*  | .0237 | .000   | 1.525  | 1.755  |
|             |   | 2        | .6850*   | .0237 | .000   | .570   | .800   |
|             |   | 3        | 1.7300*  | .0237 | .000   | 1.615  | 1.845  |
|             | 2 | 0        | .9550*   | .0237 | .000   | .840   | 1.070  |
|             |   | 1        | -.6850*  | .0237 | .000   | -.800  | -.570  |
|             |   | 3        | 1.0450*  | .0237 | .000   | .930   | 1.160  |
| 3           | 0 | -.0900   | .0237    | .115  | -.205  | .025   |        |
|             | 1 | -1.7300* | .0237    | .000  | -1.845 | -1.615 |        |
|             | 2 | -1.0450* | .0237    | .000  | -1.160 | -.930  |        |
| Kadar Abu   | 0 | 1        | .0850    | .0218 | .105   | -.021  | .191   |
|             |   | 2        | .0050    | .0218 | 1.000  | -.101  | .111   |
|             |   | 3        | .1900*   | .0218 | .006   | .084   | .296   |
|             | 1 | 0        | -.0850   | .0218 | .105   | -.191  | .021   |
|             |   | 2        | -.0800   | .0218 | .128   | -.186  | .026   |
|             |   | 3        | .1050    | .0218 | .051   | .000   | .211   |
|             | 2 | 0        | -.0050   | .0218 | 1.000  | -.111  | .101   |
|             |   | 1        | .0800    | .0218 | .128   | -.026  | .186   |
|             |   | 3        | .1850*   | .0218 | .006   | .079   | .291   |

|           |   |   |          |       |      |        |        |
|-----------|---|---|----------|-------|------|--------|--------|
|           | 3 | 0 | -.1900*  | .0218 | .006 | -.296  | -.084  |
|           |   | 1 | -.1050   | .0218 | .051 | -.211  | .001   |
|           |   | 2 | -.1850*  | .0218 | .006 | -.291  | -.079  |
| Kadar Air | 0 | 1 | .4450*   | .0654 | .015 | .128   | .762   |
|           |   | 2 | .2850    | .0654 | .072 | -.032  | .602   |
|           |   | 3 | -2.5900* | .0654 | .000 | -2.907 | -2.273 |
|           | 1 | 0 | -.4450*  | .0654 | .015 | -.762  | -.128  |
|           |   | 2 | -.1600   | .0654 | .424 | -.477  | .157   |
|           |   | 3 | -3.0350* | .0654 | .000 | -3.352 | -2.718 |
|           | 2 | 0 | -.2850   | .0654 | .072 | -.602  | .032   |
|           |   | 1 | .1600    | .0654 | .424 | -.157  | .477   |
|           |   | 3 | -2.8750* | .0654 | .000 | -3.192 | -2.558 |
|           | 3 | 0 | 2.5900*  | .0654 | .000 | 2.273  | 2.907  |
|           |   | 1 | 3.0350*  | .0654 | .000 | 2.718  | 3.352  |
|           |   | 2 | 2.8750*  | .0654 | .000 | 2.558  | 3.192  |

\*. The mean difference is significant at the 0.05 level.



**Lampiran 9. Dokumentasi Uji Hedonik Panelis**



### Lampiran 10. Perhitungan Pencantuman Informasi Nilai Gizi

#### 1. Perhitungan kandungan gizi pertakaran saji

Kandungan gizi =  $\frac{\text{Takaran saji}}{100\text{gr}}$  x kandungan gizi hasil lab

#### 2. Persentase AKG pada ING

Persentase AKG =  $\frac{\text{Kandungan gizi}}{\text{ALG zat gizi}}$  x 100%

(\*) nilai ALG zat gizi dapat dilihat pada “Peraturan BPOM No.9 Tahun 2016 tentang Acuan Label Gizi” untuk usia umum.

#### Perhitungan F2 (produk terpilih)

| Zat Gizi    | Kandungan Gizi per Takaran Saji                                      | Persentase AKG  |
|-------------|--|---|
| Kadar abu   | $\frac{100}{100} \times 2,395 \text{ mg} = 2,395 \text{ mg}$         | Persentase AKG untuk energi tidak ditampilkan pada tabel ING. |
| Kadar air   | $\frac{100}{100} \times 5,885 \text{ mg} = 5,885 \text{ mg}$         |   |
| Energi      | $\frac{100}{100} \times 390,505 \text{ kkal} = 390,505 \text{ kkal}$ |   |
| Lemak       | $\frac{100}{100} \times 4,725 \text{ g} = 4,725 \text{ g}$           | $\frac{4,725}{67} \times 100\% = 7\%$                         |
| Protein     | $\frac{100}{100} \times 22,370 \text{ gr} = 22,370 \text{ g}$        | $\frac{22,370}{60} \times 100\% = 37\%$                       |
| Karbohidrat | $\frac{100}{100} \times 64,625 \text{ gr} = 64,625 \text{ g}$        | $\frac{64,625}{325} \times 100\% = 20\%$                      |
| Kalsium     | $\frac{100}{100} \times 323,730 \text{ gr} = 323,730 \text{ g}$      | $\frac{323,730}{1100} \times 100\% = 29\%$                    |

**Keterangan :** perhitungan mineral jika lebih dari 2% dapat ditampilkan di tabel ING

#### Perhitungan F0

| Zat Gizi    | Kandungan Gizi per Takaran Saji                                      | Persentase AKG  |
|-------------|--|---|
| Kadar abu   | $\frac{100}{100} \times 2,400 \text{ mg} = 2,400 \text{ mg}$         | Persentase AKG untuk energi tidak ditampilkan pada tabel ING. |
| Kadar air   | $\frac{100}{100} \times 6,170 \text{ mg} = 6,170 \text{ mg}$         |   |
| Energi      | $\frac{100}{100} \times 384,570 \text{ kkal} = 384,570 \text{ kkal}$ |   |
| Lemak       | $\frac{100}{100} \times 3,770 \text{ g} = 3,770 \text{ g}$           | $\frac{3,770}{67} \times 100\% = 6\%$                         |
| Protein     | $\frac{100}{100} \times 13,550 \text{ gr} = 13,550 \text{ g}$        | $\frac{13,550}{60} \times 100\% = 22\%$                       |
| Karbohidrat | $\frac{100}{100} \times 74,110 \text{ gr} = 74,110 \text{ g}$        | $\frac{74,110}{325} \times 100\% = 23\%$                      |
| Kalsium     | $\frac{100}{100} \times 163,975 \text{ gr} = 163,975 \text{ g}$      | $\frac{163,975}{1100} \times 100\% = 15\%$                    |

**Keterangan :** perhitungan mineral jika lebih dari 2% dapat ditampilkan di tabel ING

### Perhitungan F1

| Zat Gizi    | Kandungan Gizi per Takaran Saji                                      | Persentase AKG  |
|-------------|--|---|
| Kadar abu   | $\frac{100}{100} \times 2,315 \text{ mg} = 2,315 \text{ mg}$         | Persentase AKG untuk energi tidak ditampilkan pada tabel ING. |
| Kadar air   | $\frac{100}{100} \times 5,725 \text{ mg} = 5,725 \text{ mg}$         |   |
| Energi      | $\frac{100}{100} \times 394,890 \text{ kkal} = 394,890 \text{ kkal}$ |   |
| Lemak       | $\frac{100}{100} \times 5,410 \text{ g} = 5,410 \text{ g}$           | $\frac{5,410}{67} \times 100\% = 8\%$                         |
| Protein     | $\frac{100}{100} \times 17,625 \text{ gr} = 17,625 \text{ g}$        | $\frac{17,625}{60} \times 100\% = 29\%$                       |
| Karbohidrat | $\frac{100}{100} \times 68,925 \text{ gr} = 68,925 \text{ g}$        | $\frac{68,925}{325} \times 100\% = 21\%$                      |
| Kalsium     | $\frac{100}{100} \times 393,420 \text{ gr} = 393,420 \text{ g}$      | $\frac{393,420}{1100} \times 100\% = 36\%$                    |

**Keterangan :** perhitungan mineral jika lebih dari 2% dapat ditampilkan di tabel ING

### Perhitungan F3

| Zat Gizi    | Kandungan Gizi per Takaran Saji                                      | Persentase AKG  |
|-------------|--|---|
| Kadar abu   | $\frac{100}{100} \times 2,210 \text{ mg} = 2,210 \text{ mg}$         | Persentase AKG untuk energi tidak ditampilkan pada tabel ING. |
| Kadar air   | $\frac{100}{100} \times 8,760 \text{ mg} = 8,760 \text{ mg}$         |   |
| Energi      | $\frac{100}{100} \times 374,520 \text{ kkal} = 374,520 \text{ kkal}$ |   |
| Lemak       | $\frac{100}{100} \times 3,680 \text{ g} = 3,680 \text{ g}$           | $\frac{3,680}{67} \times 100\% = 5\%$                         |
| Protein     | $\frac{100}{100} \times 13,325 \text{ gr} = 13,325 \text{ g}$        | $\frac{13,325}{60} \times 100\% = 22\%$                       |
| Karbohidrat | $\frac{100}{100} \times 72,025 \text{ gr} = 72,025 \text{ g}$        | $\frac{72,025}{325} \times 100\% = 22\%$                      |
| Kalsium     | $\frac{100}{100} \times 295,655 \text{ gr} = 295,655 \text{ g}$      | $\frac{295,655}{1100} \times 100\% = 27\%$                    |

**Keterangan :** perhitungan mineral jika lebih dari 2% dapat ditampilkan di tabel ING

### Lampiran 11. Tabel Informasi Nilai Gizi

**Tabel Informasi Nilai Gizi Produk Terpilih (F2)**

| <b>INFORMASI NILAI GIZI</b>     |       |             |
|---------------------------------|-------|-------------|
| <b>Jumlah sajian perkemasan</b> |       | 100 gr      |
| <b>1 Sajian per Kemasan</b>     |       |             |
| <b>Jumlah Per Sajian</b>        |       |             |
| <b>Energi Total</b>             |       | 390 kkal    |
|                                 |       | <b>%ALG</b> |
| <b>Lemak Total</b>              | 5g    | 7%          |
| <b>Protein</b>                  | 22g   | 37%         |
| <b>Karbohidrat Total</b>        | 65g   | 20%         |
| <b>Kalsium</b>                  | 324mg | 29%         |