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*Lampiran 1 Surat Penelitian***Kementerian Kesehatan  
Poltekkes Medan**

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Medan, Sumatera Utara 20137  
☎ (061) 8368633  
🌐 <https://poltekkes-medan.ac.id>

**SURAT KETERANGAN**

Yang bertanda tangan di bawah ini Penanggungjawab Laboratorium Jurusan Gizi Poltekkes Kemenkes Medan, dengan ini menerangkan bahwa:

Nama : Ira Elisabet Siahaan  
Nim : P01031123112

Benar telah mengadakan penelitian dalam rangka menyusun KTI/Tugas Akhir dengan judul **DAYA TERIMA SKIPPY VARIASI PENAMBAHAN TEPUNG KACANG MERAH (Phaseolus Vulgaris L) DAN TEPUNG BIJI DURIAN (Durio Zibethinus Murr) SEBAGAI CAMILAN SEHAT** di Laboratorium Teknologi Pangan Jurusan Gizi pada tanggal 16 April 2026.

Demikian surat keterangan ini dibuat untuk dapat digunakan sebagaimana mestinya.

Lubuk Pakam, 17 April 2026

Pj. Laboratorium

**Sri Heriyanto, SST, MKM, RD**  
NIP. 197507252006041007

## Lampiran 2 Etical Clearance



**Kementerian Kesehatan**  
**Poltekkes Medan**  
 Komisi Etik Penelitian Kesehatan  
 Jalan Jamin Ginting KM. 13,5  
 Medan, Sumatera Utara 20137  
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**KETERANGAN LAYAK ETIK**  
*DESCRIPTION OF ETHICAL EXEMPTION*  
 "ETHICAL EXEMPTION"

No.01.26.3163/KEPK/POLTEKKES KEMENKES MEDAN 2026

Protokol penelitian versi 1 yang diusulkan oleh :

*The research protocol proposed by*

Peneliti utama : Ira Elisabet Siahaan  
*Principal In Investigator*

Nama Institusi : Jurusan Gizi  
*Name of the Institution*

Dengan judul:  
*Title*

**"Daya Terima Skippy Variasi Penambahan Tepung kacang Merah (*Phaseolus Vulgaris* L) Dan Tepung Biji Durian (*Durio Zibethinus* Murr) Sebagai Camilan Sehat"**

*"Acceptability of Skippy Variations of Red Bean Flour (*Phaseolus Vulgaris* L) and Durian Seed Flour (*Durio Zibethinus* Murr) as a Healthy Snack"*

Dinyatakan layak etik sesuai 7 (tujuh) Standar WHO 2011, yaitu 1) Nilai Sosial, 2) Nilai Ilmiah, 3) Pemerataan Beban dan Manfaat, 4) Risiko, 5) Bujukan/Eksploitasi, 6) Kerahasiaan dan Privacy, dan 7) Persetujuan Setelah Penjelasan, yang merujuk pada Pedoman CIOMS 2016. Hal ini seperti yang ditunjukkan oleh terpenuhinya indikator setiap standar.

*Declared to be ethically appropriate in accordance to 7 (seven) WHO 2011 Standards, 1) Social Values, 2) Scientific Values, 3) Equitable Assessment and Benefits, 4) Risks, 5) Persuasion/Exploitation, 6) Confidentiality and Privacy, and 7) Informed Consent, referring to the 2016 CIOMS Guidelines. This is as indicated by the fulfillment of the indicators of each standard.*

Pernyataan Laik Etik ini berlaku selama kurun waktu tanggal 09 Juli 2026 sampai dengan tanggal 09 Juli 2027.

*This declaration of ethics applies during the period July 09, 2026 until July 09, 2027.*

July 09, 2026  
 Chairperson,



Dr. Lestari Rahmah, MKT

**Lampiran 3 Lembar Bukti Bimbingan Karya Tulis Ilmiah**

Nama : Ira Elisabet Siahaan

Nim : P01031123112

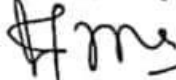
Judul : Daya Terima Skippy Variasi Penambahan Tepung kacang Merah  
(*Phaseolus Vulgaris L*) Dan Tepung Biji Durian (*Durio Zibethinus Murr*) Sebagai camilan sehat.

Dosen Pembimbing: Dini Lestrina DCN, M. Kes

| No  | Tanggal Bimbingan | Topik Bimbingan                                                                                                                                   | TTD Mahasiswa                                                                        | TTD Dosen Pembimbing                                                                  |
|-----|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1.  | 19 Januari 2026   | Penyerahan surat permintaan sebagai dosen pembimbing                                                                                              |    |    |
| 2.  | 20 Januari 2026   | Pengenalan dan persiapan materi/judul penelitian                                                                                                  |   |   |
| 3.  | 23 Januari 2026   | Mendiskusikan judul dan menetapkan judul                                                                                                          |  |  |
| 4.  | 02 Februari 2026  | Mencari sumber-sumber jurnal penelitian yang berhubungan dengan judul dan mendiskusikan jurnal yang sudah dicari dengan topik yang ingin diteliti |  |  |
| 5.  | 23 Februari 2026  | Uji Pendahuluan                                                                                                                                   |  |  |
| 6.  | 18 Februari 2026  | Pengerjaan Bab 1-3                                                                                                                                |  |  |
| 7.  | 26 Maret 2026     | Revisian Bab 1-3                                                                                                                                  |  |  |
| 8.  | 04 Maret 2026     | Revisi Bab 1-3                                                                                                                                    |  |  |
| 9.  | 10 Maret 2026     | Revisi Bab 1-3 dan Acc                                                                                                                            |  |  |
| 10. | 12 Maret 2026     | Seminar proposal                                                                                                                                  |  |  |
| 11. | 06 April 2026     | Revisi Proposal Karya Tulis Ilmiah Ke pembimbing                                                                                                  |  |  |
| 12. | 07 April 2026     | ACC Proposal Karya Tulis Ilmiah dari pembimbing                                                                                                   |  |  |

|     |                   |                                                  |                                                                                      |                                                                                       |
|-----|-------------------|--------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 14. | 08 April 2026     | Revisi Proposal Karya Tulis Ilmiah ke penguji I  |    |    |
| 15. | 11 April 2026     | Revisi Proposal Karya Tulis Ilmiah ke penguji II |    |    |
| 16. | 16 April 2026     | Penelitian                                       |    |    |
| 17. | 23 April 2026     | Pengajuan Bab IV-V                               |    |    |
| 18. | 29 April 2026     | Revisi Bab IV-V                                  |    |    |
| 19. | 03 Mei 2026       | Revisi Bab IV-V                                  |   |   |
| 20  | 5 Mei 2026        | ACC Karya Tulis Ilmiah                           |  |  |
| 21  | 13 Mei 2026       | Seminar Hasil                                    |  |  |
| 22  | 03 Juli 2026      | ACC Karya Tulis Ilmiah dengan dosen penguji I    |  |  |
| 23  | 04 Juli 2026      | ACC Karya Tulis Ilmiah dengan dosen penguji II   |  |  |
| 24  | 13 Juli 2026      | Abstrak                                          |  |  |
| 25  | 23 Agustus 2026   | Turnitin                                         |  |  |
| 26  | 14 September 2036 | Jilid Lux                                        |  |  |

Lubuk Pakam, 14 September 2026

  
Dini Lestrina DCN, M.Kes  
NIP 197005221992032001

*Lampiran 3 Form Uji Organoleptik*

**SURAT PERNYATAAN BERSEDIA MENJADI PANELIS (INFORMED CONSENT )**

Saya yang bertanda tangan dibawah ini:

Nama : Imel Sihombing  
Umur : 20 tahun  
Kelas : AB - D3  
Alamat : Petapahan  
Telp/Hp : 085275025021

Dengan sukarela dan tanpa paksaan menyatakan bersedia ikut berpartisipasi menjadi panelis uji pendahuluan **“Daya Terima Skippy Variasi Penambahan Tepung Kacang Merah (*Phaseolus Vulgaris L*) Dan Tepung Biji Durian (*Durio Zibethinus Murr*) Sebagai Camilan Sehat.”** Yang dilakukan oleh Ira Elisabet Siahaan dari Program Studi Diploma III Jurusan Gizi Politeknik Kemenkes Medan.

Lubuk Pakam 16 April 2026

Mengetahui

Peneliti



(Ira Elisabet Siahaan )

Panelis



## FORM UJI ORGANOLEPTIK

Nama panelis : Imet Sihombing

Tanggal pengujian : 16 April 2026

Instruksi : Berilah penilaian anda terhadap warna, tekstur, rasa, dan aroma "Daya Terima Skippy Variasi Penambahan Tepung Kacang Merah (*Phaseolus Vulgaris L*) Dan Tepung Biji Durian (*Durio Zibethinus Murr*) Sebagai Camilan Sehat." Pada setiap kode berdasarkan tingkat kesukaan yang anda anggap paling cocok. Pada setiap panelis yang akan mencicipi, minum air putih terlebih dahulu. Nyatakan penilaian anda dengan skala sebagai berikut:

Amat suka 5

Sangat suka 4

Suka 3

Kurang suka 2

Tidak suka 1

| No | Kode Bahan | Komponen Yang Dinilai |         |      |       |
|----|------------|-----------------------|---------|------|-------|
|    |            | Warna                 | Tekstur | Rasa | Aroma |
| 1  | 0,182      | 3                     | 4       | 3    | 3     |
| 2  | 0,922      | 4                     | 4       | 4    | 3     |
| 3  | 0,320      | 5                     | 4       | 5    | 5     |
| 4  | 0,757      | 4                     | 4       | 4    | 5     |
| 5  | 0,931      | 4                     | 3       | 3    | 4     |
| 6  | 0,392      | 3                     | 3       | 4    | 3     |

Saran:

**Lampiran 4 Rekapitulasi Panelis Terhadap Warna Skippy**

| Panelis | Jenis Perlakuan |    |     |    |    |     |    |    |     |
|---------|-----------------|----|-----|----|----|-----|----|----|-----|
|         | A1              | A2 | X   | B1 | B2 | X   | C1 | C2 | X   |
| 1       | 3               | 3  | 3   | 5  | 4  | 4,5 | 3  | 3  | 3   |
| 2       | 4               | 4  | 4   | 5  | 5  | 5   | 4  | 4  | 4   |
| 3       | 3               | 4  | 3,5 | 5  | 5  | 5   | 3  | 4  | 3,5 |
| 4       | 4               | 3  | 3,5 | 5  | 4  | 4,5 | 3  | 3  | 3   |
| 5       | 3               | 4  | 3,5 | 5  | 5  | 5   | 3  | 4  | 3,5 |
| 6       | 3               | 3  | 3   | 5  | 4  | 4,5 | 4  | 3  | 3,5 |
| 7       | 4               | 5  | 4,5 | 5  | 5  | 5   | 4  | 5  | 4,5 |
| 8       | 4               | 4  | 4   | 5  | 5  | 5   | 3  | 4  | 3,5 |
| 9       | 4               | 4  | 4   | 5  | 5  | 5   | 4  | 3  | 3,5 |
| 10      | 4               | 4  | 4   | 5  | 4  | 4,5 | 4  | 4  | 4   |
| 11      | 4               | 4  | 4   | 5  | 4  | 4,5 | 3  | 4  | 3,5 |
| 12      | 3               | 3  | 3   | 5  | 4  | 4,5 | 3  | 3  | 3   |
| 13      | 4               | 5  | 4,5 | 5  | 4  | 4,5 | 4  | 3  | 3,5 |
| 14      | 3               | 3  | 3   | 4  | 3  | 3,5 | 3  | 4  | 3,5 |
| 15      | 3               | 3  | 3   | 4  | 5  | 4,5 | 3  | 3  | 3   |
| 16      | 3               | 4  | 3,5 | 5  | 4  | 4,5 | 4  | 3  | 3,5 |
| 17      | 4               | 3  | 3,5 | 5  | 5  | 5   | 3  | 3  | 3   |
| 18      | 4               | 4  | 4   | 5  | 5  | 5   | 4  | 4  | 4   |
| 19      | 3               | 3  | 3   | 5  | 4  | 4,5 | 3  | 3  | 3,5 |
| 20      | 3               | 4  | 3,5 | 4  | 4  | 4   | 4  | 4  | 4   |
| 21      | 3               | 3  | 3   | 5  | 4  | 4,5 | 3  | 3  | 3   |
| 22      | 4               | 3  | 3,5 | 3  | 4  | 3,5 | 4  | 3  | 3,5 |
| 23      | 3               | 4  | 3,5 | 4  | 5  | 4,5 | 3  | 3  | 3   |
| 24      | 3               | 5  | 4   | 3  | 4  | 3,5 | 5  | 5  | 5   |
| 25      | 4               | 3  | 3,5 | 5  | 4  | 4,5 | 4  | 3  | 3,5 |
| 26      | 3               | 4  | 3,5 | 4  | 4  | 4   | 3  | 4  | 3,5 |
| 27      | 3               | 4  | 3,5 | 3  | 3  | 3   | 4  | 4  | 4   |
| 28      | 3               | 4  | 3,5 | 5  | 4  | 4,5 | 4  | 4  | 4   |
| 29      | 3               | 4  | 3,5 | 4  | 5  | 4,5 | 3  | 3  | 3   |
| 30      | 3               | 3  | 3   | 4  | 5  | 4,5 | 4  | 3  | 3,5 |
| 31      | 3               | 4  | 3,5 | 4  | 4  | 4   | 4  | 3  | 3,5 |
| 32      | 4               | 4  | 4   | 4  | 5  | 4,5 | 4  | 4  | 4   |
| 33      | 3               | 3  | 3   | 5  | 5  | 5   | 3  | 3  | 3   |
| 34      | 4               | 3  | 3,5 | 5  | 5  | 5   | 4  | 3  | 3,5 |
| 35      | 3               | 4  | 3,5 | 4  | 4  | 4   | 3  | 4  | 3,5 |
| 36      | 4               | 5  | 4,5 | 4  | 4  | 4   | 5  | 4  | 4,5 |
| 37      | 3               | 4  | 3,5 | 5  | 5  | 5   | 4  | 4  | 4   |

|                  |            |             |             |            |             |             |             |             |            |
|------------------|------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|------------|
| 38               | 3          | 4           | 3,5         | 5          | 5           | 5           | 3           | 3           | 3          |
| 39               | 3          | 3           | 3           | 4          | 4           | 4           | 3           | 3           | 3          |
| 40               | 3          | 4           | 3,5         | 4          | 3           | 3,5         | 3           | 4           | 3,5        |
| 41               | 5          | 5           | 5           | 5          | 5           | 5           | 5           | 4           | 4,5        |
| 42               | 5          | 5           | 5           | 3          | 4           | 3,5         | 4           | 4           | 4          |
| 43               | 4          | 3           | 3,5         | 4          | 5           | 4,5         | 4           | 3           | 3,5        |
| 44               | 5          | 5           | 5           | 5          | 5           | 5           | 4           | 5           | 4,5        |
| 45               | 3          | 4           | 3,5         | 5          | 4           | 4,5         | 5           | 3           | 4          |
| 46               | 4          | 4           | 4           | 5          | 4           | 4,5         | 4           | 4           | 4          |
| 47               | 4          | 4           | 4           | 4          | 4           | 4           | 4           | 4           | 4          |
| 48               | 3          | 4           | 3,5         | 4          | 4           | 4           | 3           | 3           | 3          |
| 49               | 4          | 5           | 4,5         | 4          | 5           | 4,5         | 3           | 3           | 3          |
| 50               | 3          | 3           | 3           | 5          | 5           | 5           | 4           | 3           | 3,5        |
| Total            | 175        | 191         | 183         | 225        | 219         | 222         | 182         | 177         | 180        |
| <b>Rata-rata</b> | <b>3,5</b> | <b>3,82</b> | <b>3,66</b> | <b>4,5</b> | <b>4,38</b> | <b>4,44</b> | <b>3,64</b> | <b>3,54</b> | <b>3,6</b> |

***Lampiran 5 Hasil Analisis Kesukaan Panelis Terhadap Warna Skippy***

a. Test Of Homogeneity Of Variance

|         | Levene Statistic | df1 | df2 | Sig. |
|---------|------------------|-----|-----|------|
| Warna   | .290             | 2   | 147 | .749 |
| Tekstur | 2.289            | 2   | 147 | .105 |
| Rasa    | .253             | 2   | 147 | .777 |
| Aroma   | .744             | 2   | 147 | .477 |

b. Uji Anova

ANOVA

|                | Sum of Squares | df  | Mean Square | F      | Sig   |
|----------------|----------------|-----|-------------|--------|-------|
| Between Groups | 21.960         | 2   | 10.980      | 40.821 | .0001 |
| Within Groups  | 39.540         | 147 | .269        |        |       |
| Total          | 61.500         | 149 |             |        |       |

c. Uji Duncan

DUNCAN

| Perlakuan | N  | Subset for alpha = 0.05 |       |
|-----------|----|-------------------------|-------|
|           |    | 1                       | 2     |
| A         | 50 | 3.660                   | 4.440 |
| B         | 50 |                         |       |
| C         | 50 | 3.600                   | 1.000 |
| Sig       |    | .546                    |       |

**Lampiran 6 Rekapitulasi Kesukaan Panelis Terhadap Tekstur Skippy**

| Panelis | Jenis Perlakuan |    |     |    |    |     |    |    |     |
|---------|-----------------|----|-----|----|----|-----|----|----|-----|
|         | A1              | A2 | X   | B1 | B2 | X   | C1 | C2 | X   |
| 1       | 4               | 4  | 4   | 5  | 5  | 5   | 4  | 4  | 4   |
| 2       | 4               | 4  | 4   | 5  | 4  | 4,5 | 4  | 4  | 4   |
| 3       | 4               | 4  | 4   | 4  | 5  | 4,5 | 4  | 3  | 3,5 |
| 4       | 3               | 3  | 3   | 5  | 5  | 5   | 3  | 4  | 3,5 |
| 5       | 3               | 4  | 3,5 | 5  | 5  | 5   | 4  | 4  | 4   |
| 6       | 3               | 4  | 3,5 | 4  | 5  | 4,5 | 3  | 4  | 3,5 |
| 7       | 4               | 4  | 4   | 5  | 5  | 5   | 5  | 5  | 5   |
| 8       | 4               | 3  | 3,5 | 5  | 5  | 5   | 4  | 3  | 3,5 |
| 9       | 4               | 4  | 4   | 5  | 5  | 5   | 4  | 4  | 4   |
| 10      | 4               | 4  | 4   | 5  | 4  | 4,5 | 4  | 3  | 3,5 |
| 11      | 4               | 4  | 4   | 4  | 4  | 4   | 3  | 4  | 3,5 |
| 12      | 3               | 4  | 3,5 | 4  | 5  | 4,5 | 4  | 3  | 3,5 |
| 13      | 5               | 3  | 4   | 5  | 3  | 4   | 5  | 4  | 4,5 |
| 14      | 4               | 3  | 3,5 | 4  | 3  | 3,5 | 4  | 3  | 3,5 |
| 15      | 3               | 3  | 3   | 4  | 5  | 4,5 | 3  | 3  | 3   |
| 16      | 4               | 3  | 3,5 | 4  | 4  | 4   | 3  | 3  | 3   |
| 17      | 4               | 3  | 3,5 | 5  | 5  | 5   | 4  | 3  | 3,5 |
| 18      | 4               | 4  | 4   | 5  | 5  | 5   | 4  | 4  | 4   |
| 19      | 4               | 5  | 4,5 | 4  | 4  | 4   | 3  | 4  | 3,5 |
| 20      | 3               | 3  | 3   | 5  | 5  | 5   | 4  | 3  | 3,5 |
| 21      | 3               | 3  | 3   | 4  | 4  | 4   | 3  | 3  | 3   |
| 22      | 3               | 4  | 3,5 | 3  | 3  | 3   | 4  | 5  | 4,5 |
| 23      | 3               | 4  | 3,5 | 4  | 3  | 3,5 | 4  | 3  | 3,5 |
| 24      | 5               | 3  | 4   | 4  | 5  | 4,5 | 5  | 5  | 5   |
| 25      | 4               | 3  | 3,5 | 5  | 4  | 4,5 | 4  | 4  | 4   |
| 26      | 4               | 4  | 4   | 5  | 5  | 5   | 3  | 4  | 3,5 |
| 27      | 3               | 3  | 3   | 3  | 3  | 3   | 3  | 4  | 3,5 |
| 28      | 4               | 3  | 3,5 | 4  | 4  | 4   | 3  | 3  | 3   |
| 29      | 3               | 3  | 3   | 5  | 4  | 4,5 | 4  | 3  | 3,5 |
| 30      | 4               | 3  | 3,5 | 4  | 3  | 3,5 | 3  | 3  | 3   |
| 31      | 4               | 3  | 3,5 | 4  | 4  | 4   | 3  | 3  | 3   |
| 32      | 3               | 5  | 4   | 4  | 5  | 4,5 | 3  | 4  | 3,5 |
| 33      | 3               | 4  | 3,5 | 5  | 4  | 4,5 | 3  | 4  | 3,5 |
| 34      | 3               | 3  | 3   | 5  | 5  | 5   | 4  | 4  | 4   |
| 35      | 3               | 3  | 3   | 3  | 4  | 3,5 | 3  | 3  | 3   |
| 36      | 4               | 5  | 4,5 | 5  | 5  | 5   | 3  | 4  | 3,5 |
| 37      | 4               | 4  | 4   | 5  | 5  | 5   | 4  | 5  | 4,5 |

|                  |            |             |             |             |             |             |            |             |             |
|------------------|------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|
| 38               | 3          | 4           | 3,5         | 5           | 5           | 5           | 3          | 3           | 3           |
| 39               | 3          | 3           | 3           | 4           | 4           | 4           | 3          | 3           | 3           |
| 40               | 4          | 3           | 3,5         | 3           | 5           | 4           | 4          | 4           | 4           |
| 41               | 5          | 4           | 4,5         | 5           | 5           | 5           | 5          | 5           | 5           |
| 42               | 5          | 3           | 4           | 5           | 4           | 4,5         | 4          | 4           | 4           |
| 43               | 4          | 3           | 3,5         | 4           | 4           | 4           | 4          | 3           | 3,5         |
| 44               | 5          | 5           | 5           | 4           | 4           | 4           | 5          | 5           | 5           |
| 45               | 4          | 3           | 3,5         | 4           | 4           | 4           | 4          | 3           | 3,5         |
| 46               | 4          | 4           | 4           | 4           | 3           | 3,5         | 4          | 4           | 4           |
| 47               | 4          | 3           | 3,5         | 4           | 4           | 4           | 3          | 3           | 3           |
| 48               | 3          | 3           | 3           | 3           | 3           | 3           | 3          | 4           | 3,5         |
| 49               | 3          | 4           | 3,5         | 5           | 5           | 5           | 4          | 3           | 3,5         |
| 50               | 3          | 3           | 3           | 5           | 5           | 5           | 4          | 4           | 4           |
| Total            | 185        | 178         | 181,5       | 219         | 216         | 217,5       | 185        | 184         | 184,5       |
| <b>Rata-rata</b> | <b>3,7</b> | <b>3,56</b> | <b>3,63</b> | <b>4,38</b> | <b>4,32</b> | <b>4,35</b> | <b>3,7</b> | <b>3,68</b> | <b>3,69</b> |

***Lampiran 7 Hasil Analisis Kesukaan Panelis Terhadap Tekstur Skippy***

a. Uji Anova

ANOVA

|                | Sum of Squares | df  | Mean Square | F      | Sig   |
|----------------|----------------|-----|-------------|--------|-------|
| Between Groups | 15.960         | 2   | 7.980       | 26.376 | .0001 |
| Within Groups  | 44.475         | 147 | .303        |        |       |
| Total          | 60.435         | 149 |             |        |       |

b. Uji Duncan

DUNCAN

| Perlakuan | N  | Subset for alpha = 0.05 |       |
|-----------|----|-------------------------|-------|
|           |    | 1                       | 2     |
| A         | 50 | 3.630                   | 4.350 |
| B         | 50 |                         |       |
| C         | 50 | 3.690                   |       |
| Sig       |    | .586                    | 1.000 |

**Lampiran 8 Rekapitulasi Kesukaan Panelis Terhadap Rasa Skippy**

| Panelis | Jenis Perlakuan |    |     |    |    |     |    |    |     |
|---------|-----------------|----|-----|----|----|-----|----|----|-----|
|         | A1              | A2 | X   | B1 | B2 | X   | C1 | C2 | X   |
| 1       | 3               | 3  | 3   | 4  | 5  | 4,5 | 3  | 3  | 3   |
| 2       | 3               | 4  | 3,5 | 5  | 5  | 5   | 3  | 4  | 3,5 |
| 3       | 4               | 3  | 3,5 | 4  | 5  | 4,5 | 4  | 3  | 3,5 |
| 4       | 3               | 3  | 3   | 4  | 5  | 4,5 | 3  | 4  | 3,5 |
| 5       | 3               | 3  | 3   | 5  | 5  | 5   | 3  | 3  | 3   |
| 6       | 3               | 3  | 3   | 5  | 5  | 5   | 4  | 4  | 4   |
| 7       | 4               | 4  | 4   | 5  | 5  | 5   | 4  | 4  | 4   |
| 8       | 4               | 4  | 4   | 4  | 4  | 4   | 3  | 4  | 3,5 |
| 9       | 4               | 4  | 4   | 5  | 5  | 5   | 4  | 4  | 4   |
| 10      | 4               | 4  | 4   | 4  | 5  | 4,5 | 4  | 4  | 4   |
| 11      | 4               | 5  | 4,5 | 5  | 4  | 4,5 | 5  | 4  | 4,5 |
| 12      | 3               | 3  | 3   | 5  | 5  | 5   | 4  | 3  | 3,5 |
| 13      | 5               | 4  | 4,5 | 5  | 3  | 4   | 4  | 3  | 3,5 |
| 14      | 4               | 3  | 3,5 | 5  | 4  | 4,5 | 3  | 3  | 3   |
| 15      | 3               | 3  | 3   | 5  | 4  | 4,5 | 3  | 3  | 3   |
| 16      | 3               | 4  | 3,5 | 5  | 4  | 4,5 | 3  | 4  | 3,5 |
| 17      | 4               | 3  | 3,5 | 5  | 5  | 5   | 4  | 4  | 4   |
| 18      | 4               | 4  | 4   | 5  | 5  | 5   | 3  | 3  | 3   |
| 19      | 3               | 5  | 4   | 5  | 5  | 5   | 3  | 4  | 3,5 |
| 20      | 4               | 5  | 4,5 | 5  | 5  | 5   | 5  | 4  | 4,5 |
| 21      | 3               | 3  | 3   | 4  | 3  | 3,5 | 3  | 3  | 3   |
| 22      | 5               | 3  | 4   | 5  | 5  | 5   | 3  | 4  | 3,5 |
| 23      | 3               | 3  | 3   | 5  | 5  | 5   | 3  | 3  | 3   |
| 24      | 3               | 5  | 4   | 5  | 3  | 4   | 5  | 4  | 4,5 |
| 25      | 4               | 4  | 3,5 | 5  | 5  | 5   | 4  | 3  | 3,5 |
| 26      | 3               | 3  | 3   | 5  | 4  | 4,5 | 3  | 4  | 3,5 |
| 27      | 4               | 4  | 4   | 4  | 3  | 3,5 | 3  | 3  | 3   |
| 28      | 3               | 4  | 3,5 | 5  | 5  | 5   | 3  | 3  | 3   |
| 29      | 4               | 3  | 3,5 | 4  | 5  | 4,5 | 3  | 3  | 3   |
| 30      | 5               | 4  | 4,5 | 4  | 3  | 3,5 | 4  | 3  | 3,5 |
| 31      | 5               | 3  | 4   | 4  | 4  | 4   | 4  | 4  | 4   |
| 32      | 3               | 5  | 4   | 4  | 5  | 4,5 | 3  | 3  | 3   |
| 33      | 4               | 3  | 3,5 | 4  | 5  | 4,5 | 3  | 3  | 3   |
| 34      | 4               | 4  | 4   | 5  | 5  | 5   | 4  | 4  | 4   |
| 35      | 3               | 3  | 3   | 4  | 4  | 4   | 3  | 3  | 3   |
| 36      | 4               | 3  | 3,5 | 5  | 5  | 5   | 4  | 5  | 4,5 |
| 37      | 4               | 5  | 4,5 | 4  | 5  | 4,5 | 4  | 4  | 4   |

|                  |             |            |             |             |             |             |             |            |             |
|------------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|
| 38               | 3           | 3          | 3           | 5           | 5           | 5           | 3           | 3          | 3           |
| 39               | 3           | 3          | 3           | 3           | 4           | 3,5         | 3           | 3          | 3           |
| 40               | 4           | 4          | 4           | 3           | 4           | 3,5         | 3           | 3          | 3           |
| 41               | 4           | 5          | 4,5         | 5           | 5           | 5           | 5           | 4          | 4,5         |
| 42               | 3           | 5          | 4           | 5           | 5           | 5           | 4           | 5          | 4,5         |
| 43               | 3           | 4          | 3,5         | 4           | 5           | 4,5         | 3           | 4          | 3,5         |
| 44               | 4           | 5          | 4,5         | 5           | 5           | 5           | 5           | 5          | 5           |
| 45               | 3           | 3          | 3           | 4           | 4           | 4           | 4           | 4          | 4           |
| 46               | 4           | 4          | 4           | 5           | 4           | 4,5         | 3           | 4          | 3,5         |
| 47               | 3           | 3          | 3           | 5           | 5           | 4,5         | 4           | 3          | 3,5         |
| 48               | 5           | 3          | 4           | 3           | 3           | 3           | 3           | 3          | 3           |
| 49               | 4           | 4          | 4           | 5           | 5           | 5           | 3           | 4          | 3,5         |
| 50               | 4           | 3          | 3,5         | 5           | 5           | 5           | 3           | 4          | 3,5         |
| Total            | 183         | 185        | 183,5       | 228         | 226         | 226,5       | 177         | 180        | 178,5       |
| <b>Rata-rata</b> | <b>3,66</b> | <b>3,7</b> | <b>3,67</b> | <b>4,56</b> | <b>4,52</b> | <b>4,53</b> | <b>3,54</b> | <b>3,6</b> | <b>3,57</b> |

***Lampiran 9 Hasil Analisis Kesukaan Panelis Terhadap Rasa Skippy***

a. Uji Anova

ANOVA

|                | Sum of Squares | df  | Mean Square | F      | Sig   |
|----------------|----------------|-----|-------------|--------|-------|
| Between Groups | 27.853         | 2   | 13.927      | 48.726 | .0001 |
| Within Groups  | 42.015         | 147 | .286        |        |       |
| Total          | 69.868         | 149 |             |        |       |

b. Uji Duncan

DUNCAN

| Perlakuan | N  | Subset for alpha = 0.05 |       |
|-----------|----|-------------------------|-------|
|           |    | 1                       | 2     |
| A         | 50 | 3.670                   | 4.530 |
| B         | 50 |                         |       |
| C         | 50 | 3.570                   |       |
| Sig       |    | .351                    | 1.000 |



|                  |             |             |             |             |            |             |             |             |            |
|------------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|
| 38               | 3           | 3           | 3           | 5           | 5          | 5           | 3           | 3           | 3          |
| 39               | 3           | 3           | 3           | 3           | 3          | 3           | 3           | 3           | 3          |
| 40               | 5           | 4           | 4,5         | 4           | 3          | 3,5         | 5           | 3           | 4          |
| 41               | 5           | 5           | 5           | 5           | 5          | 5           | 5           | 5           | 5          |
| 42               | 3           | 4           | 3,5         | 5           | 5          | 5           | 4           | 5           | 4,5        |
| 43               | 4           | 3           | 3,5         | 5           | 4          | 4,5         | 3           | 4           | 3,5        |
| 44               | 5           | 4           | 4,5         | 4           | 4          | 4           | 4           | 4           | 4          |
| 45               | 3           | 3           | 3           | 4           | 4          | 4           | 3           | 4           | 3,5        |
| 46               | 3           | 4           | 3,5         | 5           | 4          | 4,5         | 3           | 4           | 3,5        |
| 47               | 4           | 3           | 3,5         | 5           | 4          | 4,5         | 3           | 3           | 3          |
| 48               | 4           | 4           | 4           | 4           | 4          | 4           | 4           | 4           | 4          |
| 49               | 5           | 3           | 4           | 5           | 4          | 4,5         | 3           | 4           | 3,5        |
| 50               | 4           | 3           | 3           | 5           | 5          | 5           | 4           | 3           | 3,5        |
| Total            | 187         | 179         | 182,5       | 229         | 220        | 224,5       | 186         | 184         | 185        |
| <b>Rata-rata</b> | <b>3,74</b> | <b>3,58</b> | <b>3,65</b> | <b>4,58</b> | <b>4,4</b> | <b>4,49</b> | <b>3,72</b> | <b>3,68</b> | <b>3,7</b> |

***Lampiran 11 Hasil Kesukaan Panelis Terhadap Aroma Skippy***

a. Uji Anova

ANOVA

|                | Sum of Squares | df  | Mean Square | F      | Sig   |
|----------------|----------------|-----|-------------|--------|-------|
| Between Groups | 22.203         | 2   | 11.102      | 33.739 | .0001 |
| Within Groups  | 48.370         | 147 | .329        |        |       |
| Total          | 70.573         | 149 |             |        |       |

b. Uji Duncan

DUNCAN

| Perlakuan | N  | Subset for alpha = 0.05 |       |
|-----------|----|-------------------------|-------|
|           |    | 1                       | 2     |
| A         | 50 | 3.650                   | 4.490 |
| B         | 50 |                         |       |
| C         | 50 | 3.700                   |       |
| Sig       |    | .664                    | 1.000 |

*Lampiran 12 Hasil Perhitungan Zat Gizi Skippy*

Nilai Gizi Skippiy Perlakuan A ( Tepung kacang merah 50 gr + biji durian 30 gr )

| Zat Gizi    | Nilai Gizi |
|-------------|------------|
| Energi      | 469,6 kcal |
| Protein     | 12,2 gr    |
| Karbohidrat | 54,8 gr    |
| Lemak       | 26,9 gr    |
| Serat       | 5,6 gr     |
| Kalium      | 400,2 mg   |
| Kalsium     | 81,1 mg    |

Nilai Gizi Skippiy Perlakuan B ( Tepung kacang merah 40 gr + biji durian 40 gr )

| Zat Gizi    | Nilai Gizi |
|-------------|------------|
| Energi      | 501,4 Kcal |
| Protein     | 14,0 gr    |
| Karbohidrat | 59,6 gr    |
| Lemak       | 26,9 gr    |
| Serat       | 7,3 gr     |
| Kalium      | 788,0 mg   |
| Kalsium     | 79,2 mg    |

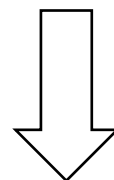
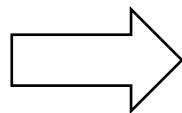
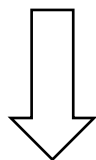
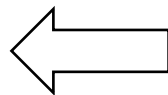
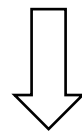
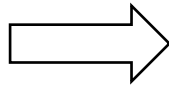
Nilai Gizi Skippiy Perlakuan C ( Tepung kacang merah 30 gr + biji durian 50 gr )

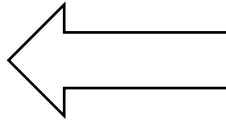
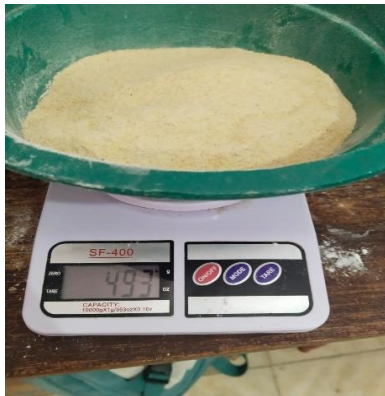
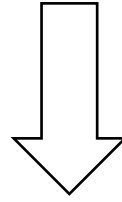
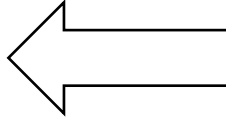
| Zat Gizi    | Nilai Gizi |
|-------------|------------|
| Energi      | 469,6 Kcal |
| Protein     | 12,2 grgr  |
| Karbohidrat | 54,8 gr    |
| Lemak       | 26,9 gr    |
| Serat       | 5,6 gr     |
| Kalium      | 787,5 mg   |
| Kalsium     | 81,6 mg    |

***Lampiran 13 Dokumentasi Pembuatan Tepung Kacang Merah***

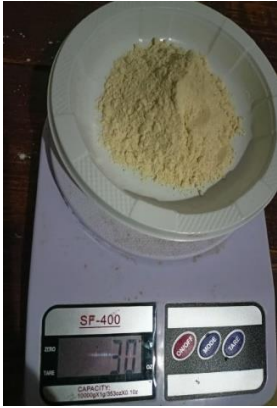
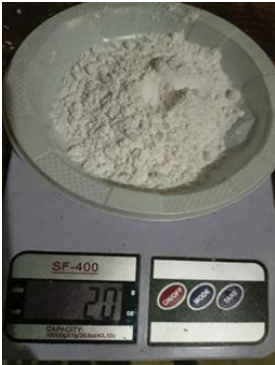
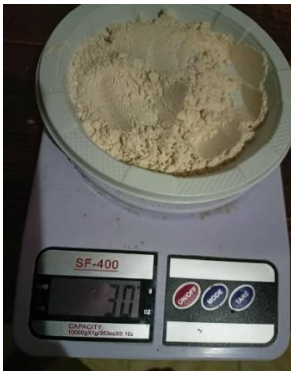
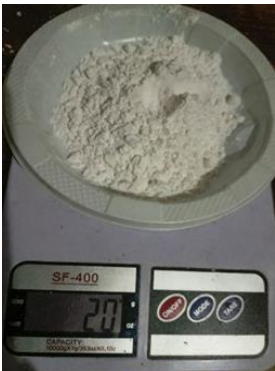


*Lampiran 14 Dokumentasi Pembuatan Tepung Biji Durian*





*Lampiran 15 Dokumentasi Skippy*

| Perlakuan A                                                                         |                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    |    |    |
| Tepung kacang merah<br>50 gram                                                      | Tepung biji durian<br>30 gram                                                       | Tepung Terigu 20<br>gram                                                             |
| Perlakuan B                                                                         |                                                                                     |                                                                                      |
|   |   |   |
| Tepung kacang merah<br>40 gram                                                      | Tepung biji durian<br>40 gram                                                       | Tepung Terigu 20<br>gram                                                             |
| Perlakuan C                                                                         |                                                                                     |                                                                                      |
|  |  |  |
| Tepung kacang merah<br>30 gram                                                      | Tepung biji durian<br>50 gram                                                       | Tepung Terigu 20<br>gram                                                             |

|                                                                                    |                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   |   |   |
| Garam 2 gram                                                                       | Minyak 20 gram                                                                     |                                                                                     |
|  |  |  |

*Lampiran 16 Dokumentasi Uji Organoleptik*

