

LAMPIRAN-LAMPIRAN

Lampiran 1. Kusioner Uji Organoleptik

Nama Panelis :.....

Hari/tanggal :.....

Nama Produk: *Stik Rumput laut* (Kode B.1)

Intruksi :

Berilah penilaian saudara terhadap Warna, Aroma, Tekstur dan Rasa berdasarkan kriteria sebagai berikut :

1. Sangat Tidak Suka
2. Tidak Suka
3. Agak Tidak Suka
4. Agak Suka
5. Suka
6. Sangat Suka
7. Amat Sangat Suka

| Kode Sampel | Warna | Aroma | Tekstur | Rasa |
|-------------|-------|-------|---------|------|
| B.1.1 | | | | |
| B.1.2 | | | | |
| B.1.3 | | | | |

Lampiran 2. ANOVA Untuk Mutu Organoleptik “Warna”

Descriptives

HASIL PENGUJIAN WARNA

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------|----|--------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| B.1.1 | 3 | 5.2000 | .10583 | .06110 | 4.9371 | 5.4629 | 5.12 | 5.32 |
| B.1.2 | 3 | 4.4400 | .14422 | .08327 | 4.0817 | 4.7983 | 4.32 | 4.60 |
| B.1.3 | 3 | 4.4133 | .34020 | .19641 | 3.5682 | 5.2584 | 4.16 | 4.80 |
| B.2.1 | 3 | 4.5333 | .30551 | .17638 | 3.7744 | 5.2922 | 4.20 | 4.80 |
| B.2.2 | 3 | 4.2933 | .20526 | .11851 | 3.7834 | 4.8032 | 4.12 | 4.52 |
| B.2.3 | 3 | 4.3867 | .34487 | .19911 | 3.5300 | 5.2434 | 4.08 | 4.76 |
| B.3.1 | 3 | 4.5467 | .26633 | .15377 | 3.8851 | 5.2083 | 4.32 | 4.84 |
| B.3.2 | 3 | 4.5200 | .13856 | .08000 | 4.1758 | 4.8642 | 4.36 | 4.60 |
| B.3.3 | 3 | 4.3200 | .26230 | .15144 | 3.6684 | 4.9716 | 4.04 | 4.56 |
| Total | 27 | 4.5170 | .33355 | .06419 | 4.3851 | 4.6490 | 4.04 | 5.32 |

ANOVA

HASIL PENGUJIAN WARNA

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|-------|------|
| Between Groups | 1.770 | 8 | .221 | 3.550 | .012 |
| Within Groups | 1.122 | 18 | .062 | | |
| Total | 2.893 | 26 | | | |

Homogeneous

HASIL PENGUJIAN WARNA

| | KONSENTRASI RUMPUT LAUT | N | Subset for alpha = 0.05 | |
|---------------------|-------------------------|---|-------------------------|--------|
| | | | 1 | 2 |
| Duncan ^a | B.2.2 | 3 | 4.2933 | |
| | B.3.3 | 3 | 4.3200 | |
| | B.2.3 | 3 | 4.3867 | |
| | B.1.3 | 3 | 4.4133 | |
| | B.1.2 | 3 | 4.4400 | |
| | B.3.2 | 3 | 4.5200 | |
| | B.2.1 | 3 | 4.5333 | |
| | B.3.1 | 3 | 4.5467 | |
| | B.1.1 | 3 | | 5.2000 |
| | Sig. | | .289 | 1.000 |

Means for groups in homogeneous subsets are displayed.

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

Lampiran 3. ANOVA Untuk Mutu Organoleptik “Aroma”

Descriptives

HASIL PENGUJIAN AROMA

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------|----|--------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| B.1.1 | 3 | 4.3867 | .25403 | .14667 | 3.7556 | 5.0177 | 4.24 | 4.68 |
| B.1.2 | 3 | 4.4933 | .08327 | .04807 | 4.2865 | 4.7002 | 4.40 | 4.56 |
| B.1.3 | 3 | 5.2000 | .14422 | .08327 | 4.8417 | 5.5583 | 5.08 | 5.36 |
| B.2.1 | 3 | 4.7067 | .16166 | .09333 | 4.3051 | 5.1082 | 4.52 | 4.80 |
| B.2.2 | 3 | 4.6400 | .17436 | .10066 | 4.2069 | 5.0731 | 4.52 | 4.84 |
| B.2.3 | 3 | 4.7200 | .06928 | .04000 | 4.5479 | 4.8921 | 4.64 | 4.76 |
| B.3.1 | 3 | 4.8267 | .08327 | .04807 | 4.6198 | 5.0335 | 4.76 | 4.92 |
| B.3.2 | 3 | 4.4533 | .16166 | .09333 | 4.0518 | 4.8549 | 4.28 | 4.60 |
| B.3.3 | 3 | 4.6800 | .21166 | .12220 | 4.1542 | 5.2058 | 4.52 | 4.92 |
| Total | 27 | 4.6785 | .26798 | .05157 | 4.5725 | 4.7845 | 4.24 | 5.36 |

ANOVA

HASIL PENGUJIAN AROMA

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|-------|------|
| Between Groups | 1.404 | 8 | .176 | 6.825 | .000 |
| Within Groups | .463 | 18 | .026 | | |
| Total | 1.867 | 26 | | | |

Homogeneous

HASIL PENGUJIAN AROMA

| | KONSENTRASI RUMPUT LAUT | N | Subset for alpha = 0.05 | | | |
|---------------------|-------------------------|---|-------------------------|--------|--------|--------|
| | | | 1 | 2 | 3 | 4 |
| Duncan ^a | B.1.1 | 3 | 4.3867 | | | |
| | B.3.2 | 3 | 4.4533 | 4.4533 | | |
| | B.1.2 | 3 | 4.4933 | 4.4933 | | |
| | B.2.2 | 3 | 4.6400 | 4.6400 | 4.6400 | |
| | B.3.3 | 3 | 4.6800 | 4.6800 | 4.6800 | |
| | B.2.1 | 3 | | 4.7067 | 4.7067 | |
| | B.2.3 | 3 | | 4.7200 | 4.7200 | |
| | B.3.1 | 3 | | | 4.8267 | |
| | B.1.3 | 3 | | | | 5.2000 |
| | Sig. | | .057 | .086 | .215 | 1.000 |

Means for groups in homogeneous subsets are displayed.

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

Lampiran 4. ANOVA Untuk Mutu Organoleptik “Tekstur”

Descriptives

HASIL PENGUJIAN TEKSTUR

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------|----|--------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| B.1.1 | 3 | 4.2533 | .06110 | .03528 | 4.1016 | 4.4051 | 4.20 | 4.32 |
| B.1.2 | 3 | 5.0000 | .08000 | .04619 | 4.8013 | 5.1987 | 4.92 | 5.08 |
| B.1.3 | 3 | 5.0000 | .18330 | .10583 | 4.5447 | 5.4553 | 4.80 | 5.16 |
| B.2.1 | 3 | 4.9733 | .06110 | .03528 | 4.8216 | 5.1251 | 4.92 | 5.04 |
| B.2.2 | 3 | 4.9867 | .14048 | .08110 | 4.6377 | 5.3356 | 4.84 | 5.12 |
| B.2.3 | 3 | 4.8400 | .10583 | .06110 | 4.5771 | 5.1029 | 4.76 | 4.96 |
| B.3.1 | 3 | 4.8400 | .14422 | .08327 | 4.4817 | 5.1983 | 4.72 | 5.00 |
| B.3.2 | 3 | 4.9067 | .18037 | .10414 | 4.4586 | 5.3547 | 4.72 | 5.08 |
| B.3.3 | 3 | 5.2800 | .10583 | .06110 | 5.0171 | 5.5429 | 5.16 | 5.36 |
| Total | 27 | 4.8978 | .28378 | .05461 | 4.7855 | 5.0100 | 4.20 | 5.36 |

ANOVA

HASIL PENGUJIAN TEKSTUR

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | 1.808 | 8 | .226 | 14.230 | .000 |
| Within Groups | .286 | 18 | .016 | | |
| Total | 2.094 | 26 | | | |

Homogeneous

HASIL PENGUJIAN TEKSTUR

| | KONSEN TRASI RUMPUT LAUT | N | Subset for alpha = 0.05 | | |
|---------------------|-----------------------------------|---|-------------------------|--------|--------|
| | | | 1 | 2 | 3 |
| Duncan ^a | B.1.1 | 3 | 4.2533 | | |
| | B.2.3 | 3 | | 4.8400 | |
| | B.3.1 | 3 | | 4.8400 | |
| | B.3.2 | 3 | | 4.9067 | |
| | B.2.1 | 3 | | 4.9733 | |
| | B.2.2 | 3 | | 4.9867 | |
| | B.1.2 | 3 | | 5.0000 | |
| | B.1.3 | 3 | | 5.0000 | |
| | B.3.3 | 3 | | | 5.2800 |
| | Sig. | | 1.000 | .187 | 1.000 |

Means for groups in homogeneous subsets are displayed.

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

Lampiran 5. ANOVA Untuk Mutu Organoleptik “Rasa”

Descriptives

HASIL PENGUJIAN RASA

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------|----|--------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| B.1.1 | 3 | 4.2800 | .17436 | .10066 | 3.8469 | 4.7131 | 4.08 | 4.40 |
| B.1.2 | 3 | 4.8933 | .14048 | .08110 | 4.5444 | 5.2423 | 4.76 | 5.04 |
| B.1.3 | 3 | 4.4267 | .10066 | .05812 | 4.1766 | 4.6767 | 4.32 | 4.52 |
| B.2.1 | 3 | 5.3200 | .08000 | .04619 | 5.1213 | 5.5187 | 5.24 | 5.40 |
| B.2.2 | 3 | 4.5600 | .08000 | .04619 | 4.3613 | 4.7587 | 4.48 | 4.64 |
| B.2.3 | 3 | 4.9333 | .12220 | .07055 | 4.6298 | 5.2369 | 4.80 | 5.04 |
| B.3.1 | 3 | 5.0933 | .18903 | .10914 | 4.6238 | 5.5629 | 4.88 | 5.24 |
| B.3.2 | 3 | 4.9600 | .13856 | .08000 | 4.6158 | 5.3042 | 4.80 | 5.04 |
| B.3.3 | 3 | 4.6800 | .16000 | .09238 | 4.2825 | 5.0775 | 4.52 | 4.84 |
| Total | 27 | 4.7941 | .34008 | .06545 | 4.6595 | 4.9286 | 4.08 | 5.40 |

ANOVA

HASIL PENGUJIAN RASA

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | 2.670 | 8 | .334 | 17.823 | .000 |
| Within Groups | .337 | 18 | .019 | | |
| Total | 3.007 | 26 | | | |

Homogeneous

HASIL PENGUJIAN RASA

| KONS ENTR ASI RUMP UT LAUT | N | Subset for alpha = 0.05 | | | | | |
|---|---|-------------------------|--------|--------|--------|--------|--------|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| Duncan ^a B.1.1 | 3 | 4.2800 | | | | | |
| B.1.3 | 3 | 4.4267 | 4.4267 | | | | |
| B.2.2 | 3 | | 4.5600 | 4.5600 | | | |
| B.3.3 | 3 | | | 4.6800 | 4.6800 | | |
| B.1.2 | 3 | | | | 4.8933 | 4.8933 | |
| B.2.3 | 3 | | | | | 4.9333 | |
| B.3.2 | 3 | | | | | 4.9600 | |
| B.3.1 | 3 | | | | | 5.0933 | 5.0933 |
| B.2.1 | 3 | | | | | | 5.3200 |
| Sig. | | .206 | .248 | .297 | .072 | .116 | .058 |

Means for groups in homogeneous subsets are displayed.

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

Lampiran 6. Dokumentasi penelitian

❖ Bahan dan Alat Penelitian



(A)



(B)



(C)



(D)



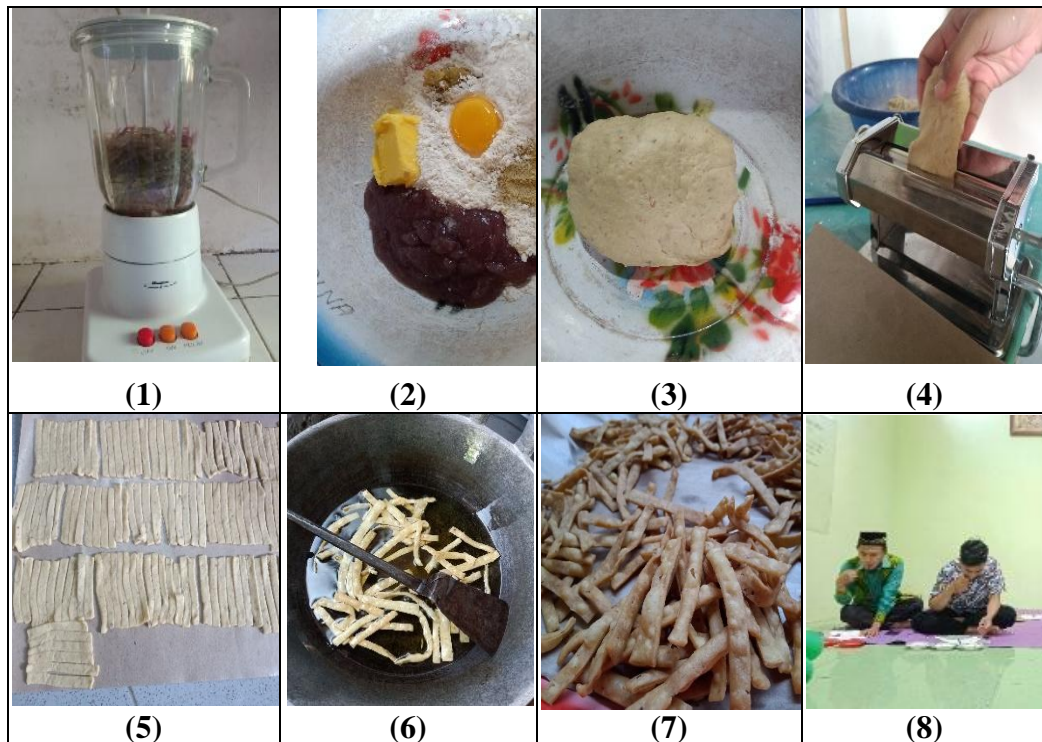
(E)



(F)

Keterangan : (A) Rumpun Laut (*Eucheuma cottoni*), (B) Jeruk Nipis (*Citrus aurantifolia* s.), (C) Kapur Sirih, (D) Blender, (E) Mesin Pasta/Atlas, (F) Timbangan kue.

❖ Proses Pembuatan Stik



Langkah-langkah :

1. Rumput laut dihaluskan dengan blander
2. Semua bahan dicampurkan (Bubur rumput laut, tepung terigu, tepung tapioka, telur, mentega, *baking powder*, garam, bawang putih halus, kaldu bubuk)
3. Adonan diuleni sampai kalis
4. Adonan dicetak menggunakan mesin pasta dengan ukuran memanjang
5. Adonan stik siap digoreng
6. Adonan stik digoreng dengan api sedang
7. Stik rumput laut ditiriskan
8. Uji Organoleptik stik rumput laut kepada 25 panelis