# LAMPIRAN

Lampiran 1. Pernyataan Persetujuan Menjadi Responden

**PERNYATAAN PERSETUJUAN MENJADI RESPONDEN**

Bahwa saya,

Nama :

Umur :

Jenis kelamin :

Berikanlah tanda (🗸) pada jawaban yang Anda pilih

1. Apakah saat ini anda dalam kondisi sakit?

□ Ya, sakit apa..................................

□ Tidak

1. Apakah anda ada alergi terhadap ikan?

□ Ya

□ Tidak

Dengan ini bersedia menjadi responden dalam penelitian yang dilakukan oleh Mahasiswa Politeknik Kesehatan Kemenkes Riau, yang bernama Badzlina Farahiyati JF dengan judul penelitian ‟**Kadar Protein dan Sifat Organoleptik *Lasagna* Goreng dengan Substitusi Ikan Patin**”.

**Tertanda**

Lampiran 2. Formulir Uji Hedonik

**FORMULIR UJI HEDONIK**

Nama Panelis :

Tanggal :

Jenis Produk : *Lasagna* Goreng dengan Substitusi Ikan Patin

Petunjuk :

1. Disajikan 4 macam *Lasagna* Goreng dengan Substitusi Ikan Patin dengan kode sampel yang berbeda-beda. Sebelum melakukan uji organoleptik *Lasagna* Goreng dengan Substitusi Ikan Patin, kumur terlebih dahulu mulut anda dengan air yang telah disediakan dan lakukan secara berulang sebelum menilai sampel selanjutnya.
2. Nyatakan penilaian anda terhadap rasa, warna, aroma, dan tekstur masing- masing sampel dengan memberikan tanda (🗸) pada kolom yang tersedia.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Aspek Penelitian | Skala Hedonik | Skala Numerik | Kode Sampel | | | |
| P0 | P1 | P2 | P3 |
| Warna | Sangat Suka | 5 |  |  |  |  |
| Suka | 4 |  |  |  |  |
| Agak Suka | 3 |  |  |  |  |
| Tidak Suka | 2 |  |  |  |  |
| Sangat Tidak Suka | 1 |  |  |  |  |
| Aroma | Sangat Suka | 5 |  |  |  |  |
| Suka | 4 |  |  |  |  |
| Agak Suka | 3 |  |  |  |  |
| Tidak Suka | 2 |  |  |  |  |
| Sangat Tidak Suka | 1 |  |  |  |  |
| Tekstur | Sangat Suka | 5 |  |  |  |  |
| Suka | 4 |  |  |  |  |
| Agak Suka | 3 |  |  |  |  |
| Tidak Suka | 2 |  |  |  |  |
| Sangat Tidak Suka | 1 |  |  |  |  |
| Rasa | Sangat Suka | 5 |  |  |  |  |
| Suka | 4 |  |  |  |  |
| Agak Suka | 3 |  |  |  |  |
| Tidak Suka | 2 |  |  |  |  |
| Sangat Tidak Suka | 1 |  |  |  |  |

Lampiran 3. Hasil Uji Hedonik terhadap Rasa *Lasagna* Goreng Ikan Patin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Panelis** | **Perlakuan** | | | | **Total** |
| **P0 (Kontrol)** | **P1 (30% daging ikan patin)** | **P2 (35% daging ikan patin)** | **P3 (40% daging ikan patin)** |
| 1 | 2 | 3 | 4 | 4 | 13 |
| 2 | 3 | 4 | 5 | 4 | 16 |
| 3 | 3 | 4 | 3 | 3 | 13 |
| 4 | 3 | 3 | 4 | 4 | 14 |
| 5 | 3 | 4 | 3 | 5 | 15 |
| 6 | 5 | 5 | 4 | 5 | 19 |
| 7 | 2 | 2 | 2 | 4 | 10 |
| 8 | 4 | 3 | 5 | 4 | 16 |
| 9 | 2 | 4 | 2 | 4 | 12 |
| 10 | 4 | 4 | 5 | 5 | 18 |
| 11 | 4 | 4 | 4 | 5 | 17 |
| 12 | 2 | 3 | 2 | 4 | 11 |
| 13 | 4 | 4 | 3 | 3 | 14 |
| 14 | 5 | 4 | 3 | 4 | 16 |
| 15 | 2 | 4 | 4 | 4 | 14 |
| **Jumlah** | **48** | **55** | **53** | **62** | **218** |
| **Rata-Rata** | **3,2** | **3,67** | **3,53** | **4,13** | **14,53** |

Lampiran 4. Hasil Analisis terhadap Rasa *Lasagna* Goreng Ikan Patin

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Descriptives** | | | | | | | | |
| **Rasa** | | | | | | | | |
|  | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
| Lower Bound | Upper Bound |
| P0 | 15 | 3.20 | 1.082 | .279 | 2.60 | 3.80 | 2 | 5 |
| P1 | 15 | 3.67 | .724 | .187 | 3.27 | 4.07 | 2 | 5 |
| P2 | 15 | 3.53 | 1.060 | .274 | 2.95 | 4.12 | 2 | 5 |
| P3 | 15 | 4.13 | .640 | .165 | 3.78 | 4.49 | 3 | 5 |
| **Total** | **60** | **3.63** | **.938** | **.121** | **3.39** | **3.88** | **2** | **5** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ANOVA** | | | | | |
| Rasa | | | | | |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 6.733 | 3 | 2.244 | 2.781 | .049 |
| Within Groups | 45.200 | 56 | .807 |  |  |
| **Total** | **51.933** | **59** |  |  |  |

**Post Hoc Tests**

**Homogeneous Subsets**

|  |  |  |  |
| --- | --- | --- | --- |
| **Rasa** | | | |
| Duncana | | | |
| Sampel | N | Subset for alpha = 0.05 | |
| 1 | 2 |
| P0 | 15 | 3.20 |  |
| P2 | 15 | 3.53 | 3.53 |
| P1 | 15 | 3.67 | 3.67 |
| P3 | 15 |  | 4.13 |
| Sig. |  | .185 | .089 |

Lampiran 5. Hasil Uji Hedonik terhadap Warna *Lasagna* Goreng Ikan Patin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Panelis** | **Perlakuan** | | | | **Total** |
| **P0 (Kontrol)** | **P1 (30% daging ikan patin)** | **P2 (35% daging ikan patin)** | **P3 (40% daging ikan patin)** |
| 1 | 3 | 4 | 3 | 2 | 12 |
| 2 | 2 | 3 | 4 | 5 | 14 |
| 3 | 3 | 3 | 3 | 3 | 12 |
| 4 | 1 | 1 | 4 | 3 | 9 |
| 5 | 2 | 2 | 5 | 2 | 11 |
| 6 | 2 | 2 | 3 | 4 | 11 |
| 7 | 4 | 2 | 4 | 3 | 13 |
| 8 | 2 | 3 | 2 | 4 | 11 |
| 9 | 1 | 5 | 5 | 5 | 16 |
| 10 | 3 | 2 | 2 | 1 | 8 |
| 11 | 5 | 3 | 5 | 5 | 18 |
| 12 | 4 | 4 | 4 | 4 | 16 |
| 13 | 3 | 2 | 2 | 2 | 9 |
| 14 | 1 | 4 | 4 | 2 | 11 |
| 15 | 2 | 5 | 5 | 5 | 17 |
| **Jumlah** | **38** | **45** | **55** | **50** | **188** |
| **Rata-Rata** | **2,53** | **3** | **3,67** | **3,33** | **12,53** |

Lampiran 6. Hasil Analisis terhadap Rasa *Lasagna* Goreng Ikan Patin

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Descriptives** | | | | | | | | |
| Warna | | | | | | | | |
|  | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
| Lower Bound | Upper Bound |
| P0 | 15 | 2.53 | 1.187 | .307 | 1.88 | 3.19 | 1 | 5 |
| P1 | 15 | 3.00 | 1.195 | .309 | 2.34 | 3.66 | 1 | 5 |
| P2 | 15 | 3.67 | 1.113 | .287 | 3.05 | 4.28 | 2 | 5 |
| P3 | 15 | 3.33 | 1.345 | .347 | 2.59 | 4.08 | 1 | 5 |
| **Total** | **60** | **3.13** | **1.255** | **.162** | **2.81** | **3.46** | **1** | **5** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ANOVA** | | | | | |
| Warna | | | | | |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 10.533 | 3 | 3.511 | 2.386 | .079 |
| Within Groups | 82.400 | 56 | 1.471 |  |  |
| **Total** | **92.933** | **59** |  |  |  |

Lampiran 7. Hasil Uji Hedonik terhadap Tekstur *Lasagna* Goreng Ikan Patin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Panelis** | **Perlakuan** | | | | **Total** |
| **P0 (Kontrol)** | **P1 (30% daging ikan patin)** | **P2 (35% daging ikan patin)** | **P3 (40% daging ikan patin)** |
| 1 | 4 | 4 | 3 | 3 | 14 |
| 2 | 4 | 3 | 4 | 3 | 14 |
| 3 | 4 | 3 | 4 | 3 | 14 |
| 4 | 5 | 4 | 3 | 2 | 14 |
| 5 | 5 | 3 | 3 | 3 | 14 |
| 6 | 3 | 5 | 3 | 3 | 14 |
| 7 | 4 | 3 | 4 | 2 | 13 |
| 8 | 4 | 4 | 2 | 3 | 13 |
| 9 | 4 | 5 | 2 | 3 | 14 |
| 10 | 4 | 4 | 2 | 4 | 14 |
| 11 | 4 | 4 | 5 | 5 | 18 |
| 12 | 4 | 4 | 5 | 4 | 17 |
| 13 | 3 | 3 | 3 | 3 | 12 |
| 14 | 4 | 2 | 3 | 3 | 12 |
| 15 | 5 | 1 | 4 | 3 | 13 |
| **Jumlah** | **61** | **52** | **50** | **47** | **210** |
| **Rata-Rata** | **4,07** | **3,47** | **3,33** | **3,2** | **14** |

Lampiran 8. Hasil Analisis terhadap Tekstur *Lasagna* Goreng Ikan Patin

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Descriptives** | | | | | | | | |
| Tekstur | | | | | | | | |
|  | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
| Lower Bound | Upper Bound |
| P0 | 15 | 4.07 | .594 | .153 | 3.74 | 4.40 | 3 | 5 |
| P1 | 15 | 3.47 | 1.060 | .274 | 2.88 | 4.05 | 1 | 5 |
| P2 | 15 | 3.33 | .976 | .252 | 2.79 | 3.87 | 2 | 5 |
| P3 | 15 | 3.20 | .775 | .200 | 2.77 | 3.63 | 2 | 5 |
| **Total** | **60** | **3.52** | **.911** | **.118** | **3.28** | **3.75** | **1** | **5** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ANOVA** | | | | | |
| Tekstur | | | | | |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 6.583 | 3 | 2.194 | 2.898 | .043 |
| Within Groups | 42.400 | 56 | .757 |  |  |
| **Total** | **48.983** | **59** |  |  |  |

**Post Hoc Tests**

**Homogeneous Subsets**

|  |  |  |  |
| --- | --- | --- | --- |
| **Tekstur** | | | |
| Duncana | | | |
| Sampel | N | Subset for alpha = 0.05 | |
| 1 | 2 |
| P3 | 15 | 3.20 |  |
| P2 | 15 | 3.33 |  |
| P1 | 15 | 3.47 | 3.47 |
| P0 | 15 |  | 4.07 |
| **Sig.** |  | **.435** | **.064** |

Lampiran 9. Hasil Uji Hedonik terhadap Aroma *Lasagna* Goreng Ikan Patin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Panelis** | **Perlakuan** | | | | **Total** |
| **P0 (Kontrol)** | **P1 (30% daging ikan patin)** | **P2 (35% daging ikan patin)** | **P3 (40% daging ikan patin)** |
| 1 | 5 | 5 | 4 | 5 | 19 |
| 2 | 1 | 4 | 4 | 5 | 14 |
| 3 | 4 | 3 | 3 | 3 | 16 |
| 4 | 3 | 3 | 5 | 4 | 15 |
| 5 | 4 | 2 | 5 | 4 | 15 |
| 6 | 3 | 5 | 2 | 3 | 13 |
| 7 | 2 | 2 | 4 | 4 | 12 |
| 8 | 3 | 3 | 3 | 3 | 12 |
| 9 | 1 | 4 | 4 | 5 | 14 |
| 10 | 3 | 2 | 5 | 2 | 12 |
| 11 | 5 | 4 | 5 | 4 | 18 |
| 12 | 2 | 2 | 2 | 4 | 10 |
| 13 | 2 | 2 | 2 | 5 | 11 |
| 14 | 3 | 3 | 4 | 2 | 12 |
| 15 | 2 | 1 | 4 | 5 | 12 |
| **Jumlah** | **43** | **45** | **56** | **58** | **205** |
| **Rata-Rata** | **2,87** | **3** | **3,73** | **3,87** | **13,67** |

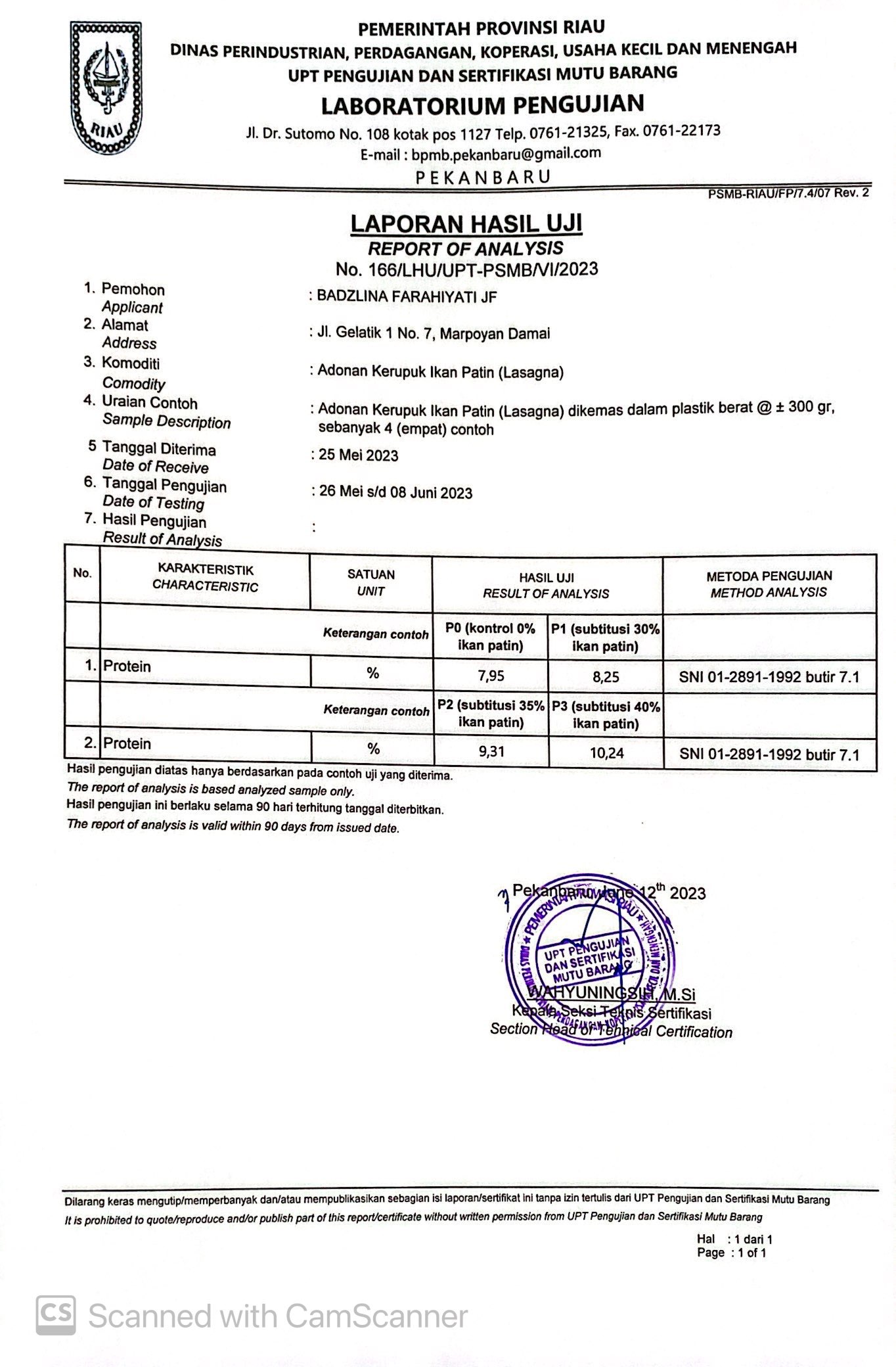
Lampiran 10. Hasil Analisis terhadap Aroma *Lasagna* Goreng Ikan Patin

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Descriptives** | | | | | | | | |
| Aroma | | | | | | | | |
|  | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
| Lower Bound | Upper Bound |
| P0 | 15 | 2.87 | 1.246 | .322 | 2.18 | 3.56 | 1 | 5 |
| P1 | 15 | 3.00 | 1.195 | .309 | 2.34 | 3.66 | 1 | 5 |
| P2 | 15 | 3.73 | 1.100 | .284 | 3.12 | 4.34 | 2 | 5 |
| P3 | 15 | 3.87 | 1.060 | .274 | 3.28 | 4.45 | 2 | 5 |
| **Total** | **60** | **3.37** | **1.207** | **.156** | **3.05** | **3.68** | **1** | **5** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ANOVA** | | | | | |
| Aroma | | | | | |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 11.533 | 3 | 3.844 | 2.894 | .043 |
| Within Groups | 74.400 | 56 | 1.329 |  |  |
| **Total** | **85.933** | **59** |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Aroma** | | | |
| Duncana | | | |
| Sampel | N | Subset for alpha = 0.05 | |
| 1 | 2 |
| P0 | 15 | 2.87 |  |
| P1 | 15 | 3.00 | 3.00 |
| P2 | 15 | 3.73 | 3.73 |
| P3 | 15 |  | 3.87 |
| **Sig.** |  | **.055** | **.055** |

Lampiran 11. Hasil Uji Kadar Protein *Lasagna* Goreng Ikan Patin



Lampiran 12. Dokumentasi

Lampiran 13. Surat Izin Penelitian Kampus Poltekkes Kemenkes Riau

