

LAMPIRAN

Lampiran 1. Metode Analisis

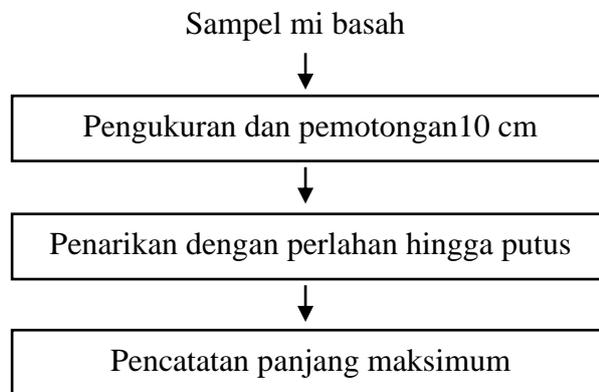
a. Analisis Sensoris

| BORANG PENILAIAN UJI KESUKAAN | | | | | | |
|--|-------|-------------|------|---------|------------|---------|
| Nama Sampel : Mie Substitusi Sorgum Nama Panelis : | | | | | | |
| Hari/Tanggal : 23 Maret 2021 Tanda Tangan : | | | | | | |
| Deskripsi : | | | | | | |
| Dihadapan Anda disajikan 6 (enam) sampel mie substitusi tepung sorgum. Anda diminta untuk menilai pada tabel yang tersedia (lihat Tabel 2.) berdasarkan tingkat kesukaan (lihat Tabel 1.). Setiap memberi penilaian, saudara diminta untuk meminum air putih terlebih dahulu. Anda dilarang untuk membandingkan antara sampel satu dengan yang lain. Selesaikan satu sampel terlebih dahulu pada setiap parameter. Kejujuran dan kesediaan saudara dalam hal ini akan sangat membantu saya. Atas kerjasamanya saya ucapkan terima kasih. | | | | | | |
| Tabel 1. Tingkat Kesukaan | | | | | | |
| Tingkat Kesukaan | | Skor | | | | |
| Sangat Suka | | 6 | | | | |
| Suka | | 5 | | | | |
| Agak Suka | | 4 | | | | |
| Agak Tidak Suka | | 3 | | | | |
| Tidak Suka | | 2 | | | | |
| Sangat Tidak Suka | | 1 | | | | |
| Tabel 2. Kriteria Penilaian | | | | | | |
| Kode Sampel | Warna | Aroma | Rasa | Tekstur | Kekenyalan | Overall |
| 541 | | | | | | |
| 436 | | | | | | |
| 335 | | | | | | |
| 533 | | | | | | |
| 133 | | | | | | |
| 637 | | | | | | |
| 244 | | | | | | |
| Komentar: | | | | | | |

Gambar 1. Borang Analisis Sensoris

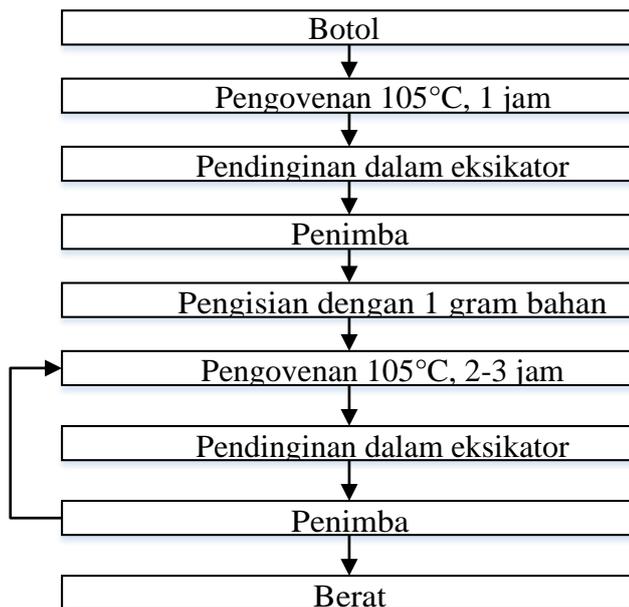
Lampiran 1 (lanjutan)

b. Elongasi



Gambar 2. Diagram Alir Pengukuran Elongasi Mi Basah

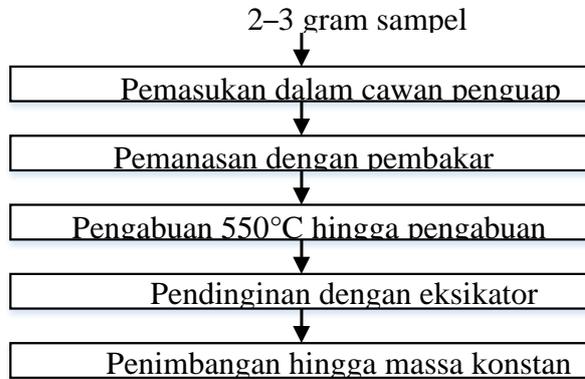
c. Analisis Kadar Air



Gambar 3 Analisis Kadar Air dengan Metode Thermogravimetri (Lestari dkk., 2018)

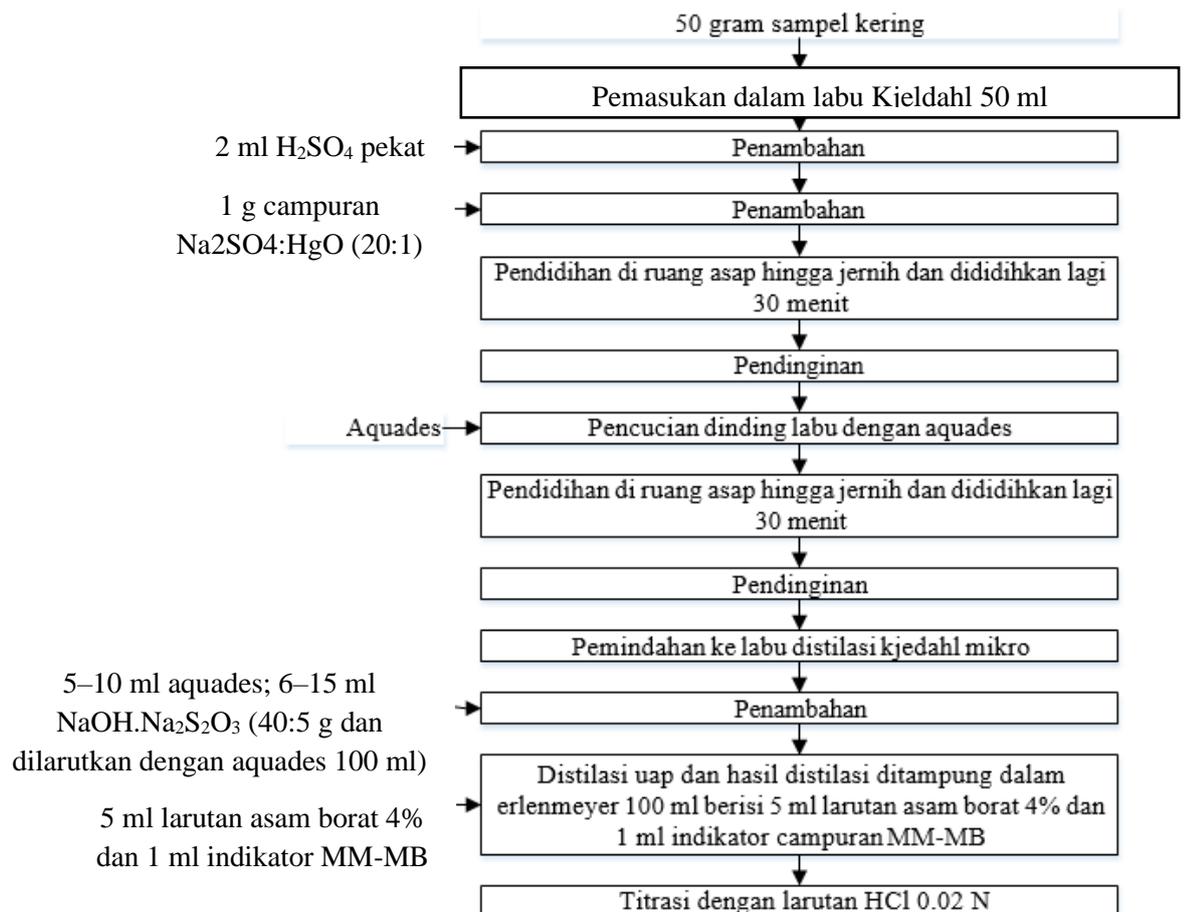
Lampiran 1 (lanjutan)

a. Analisis Kadar Abu



Gambar 5. Analisis Kadar Abu dengan metode Oven (Lestari dkk., 2018)

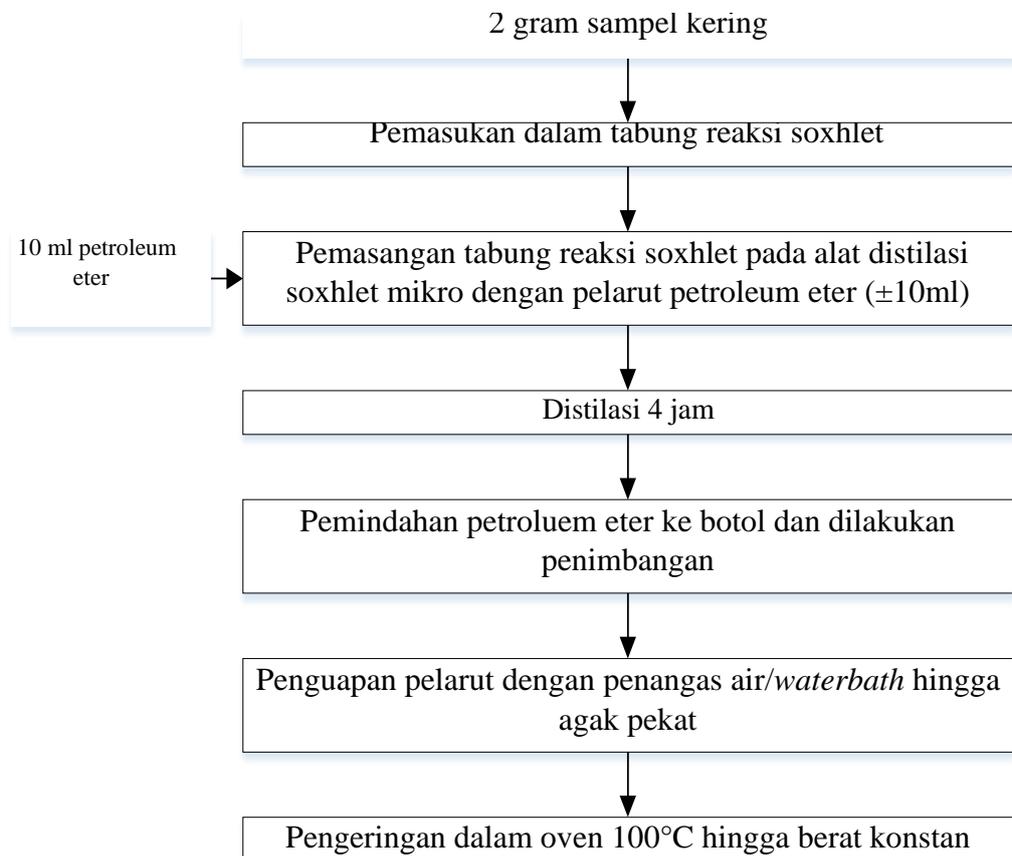
b. Analisis Kadar Protein



Gambar 6. Analisis Kadar Protein dengan metode Kjeldahl (Lestari dkk., 2018)

Lampiran 1 (lanjutan)

c. Analisis Kadar Lemak



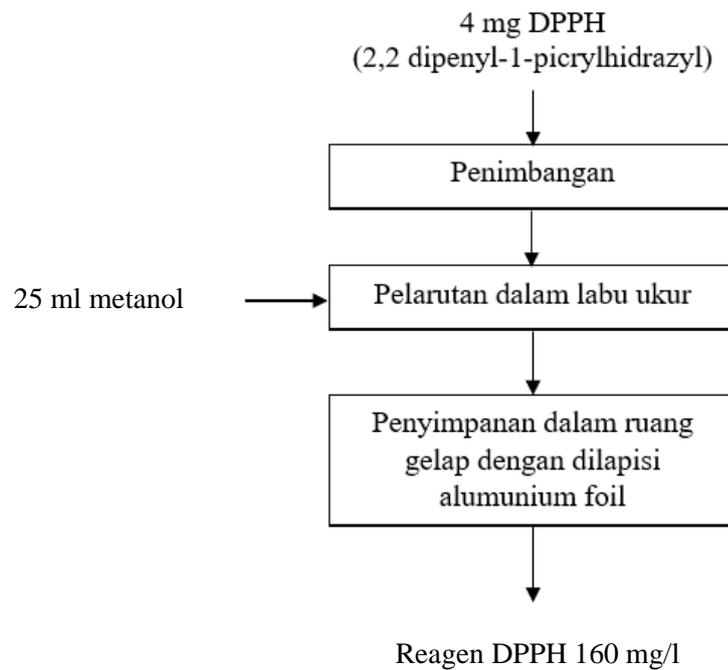
Gambar 7. Analisis Kadar Lemak dengan metode Soxhlet (Lestari dkk., 2018)

d. Analisis Kadar Karbohidrat

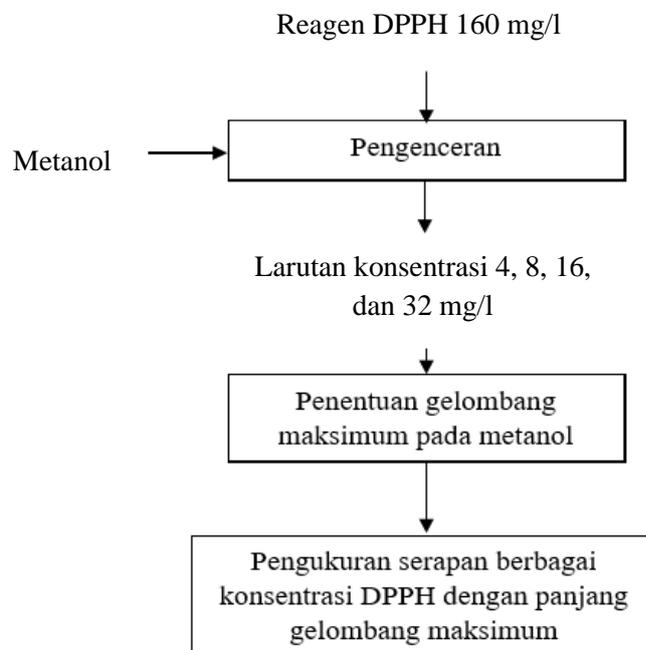
Analisis kadar karbohidrat dilakukan dengan metode *by difference*. Perhitungan dilakukan dengan menggunakan **Persamaan 7**.

Lampiran 1 (lanjutan)

e. Analisis Aktivitas Antioksidan

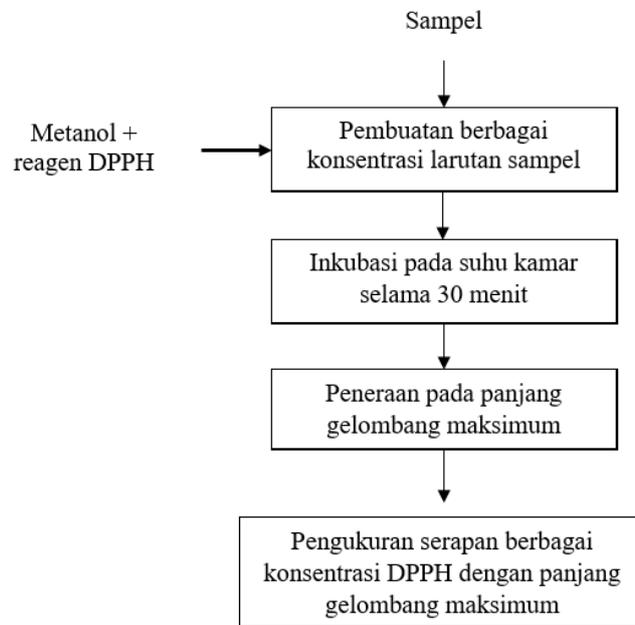


Gambar 8. Pembuatan Reagen DPPH (Maesaroh dkk., 2018)



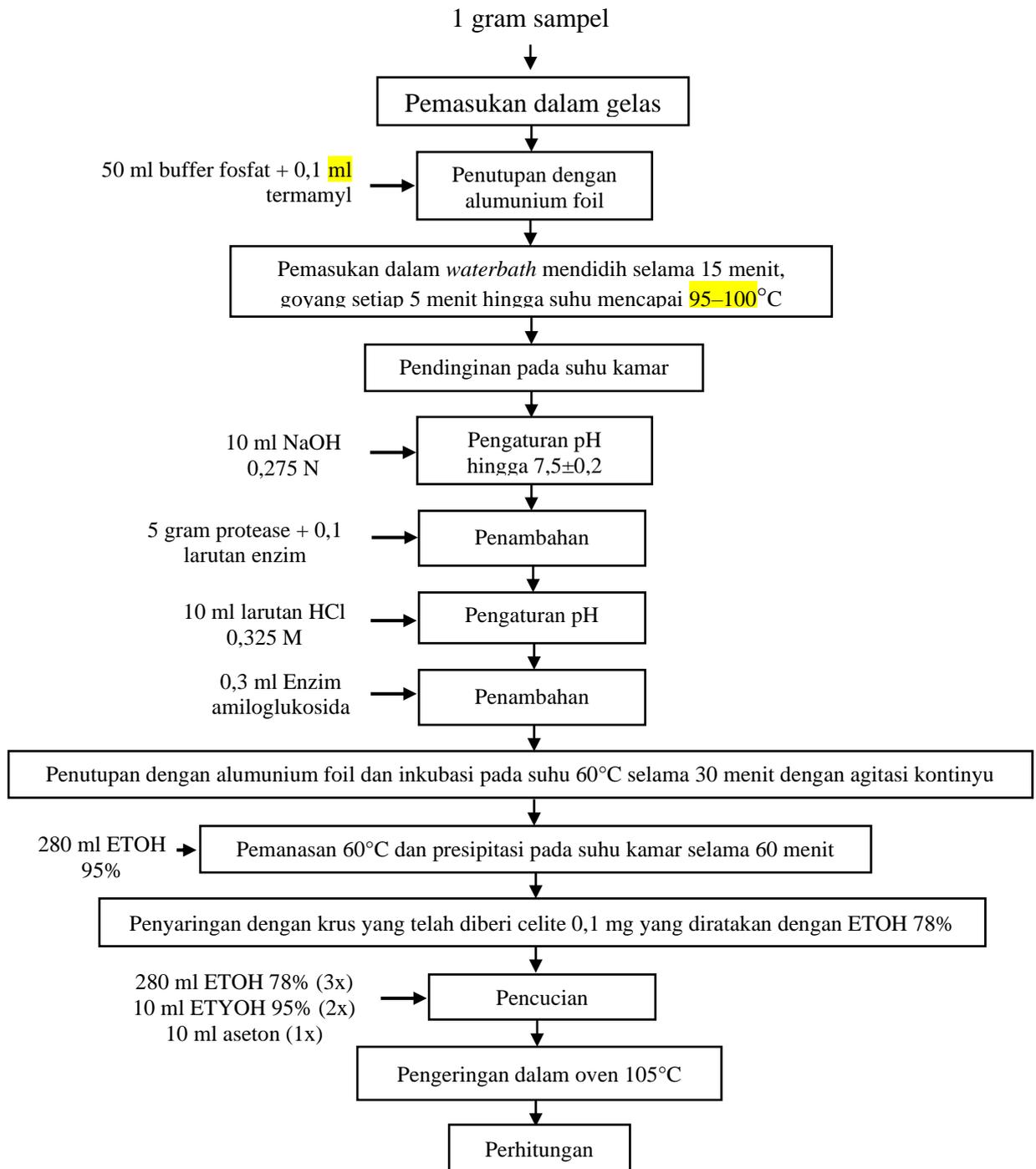
Gambar 9. Pembuatan Kurva Baku DPPH (Maesaroh dkk., 2018)

Lampiran 1 (lanjutan)



Gambar 10. Pengukuran sampel

f. Analisis Kadar Serat Pangan



Gambar 11. Analisis Kadar Serat Pangan

Lampiran 2. Data Penelitian

a. Elongasi

Tabel 1. Data Analisis Elongasi Mi Basah

| Varietas | Tepung Sorgum : Tepung Terigu | Panjang Awal (cm) | Panjang Akhir (cm) | Elongasi (%) | Rata-Rata (%) |
|----------|-------------------------------|-------------------|--------------------|--------------|---------------|
| Numbu | 35 : 35 | 10 | 14,8 | 48 | 40,0000 |
| Numbu | 35 : 35 | 10 | 13,6 | 36 | |
| Numbu | 35 : 35 | 10 | 13,6 | 36 | |
| Numbu | 50 : 50 | 10 | 11,7 | 26 | 29,6667 |
| Numbu | 50 : 50 | 10 | 12,1 | 36 | |
| Numbu | 50 : 50 | 10 | 12,6 | 27 | |
| Numbu | 65 : 35 | 8 | 8,5 | 6,25 | 10,5833 |
| Numbu | 65 : 35 | 4 | 4,7 | 17,5 | |
| Numbu | 65 : 35 | 10 | 10,8 | 8 | |
| Super 2 | 35 : 35 | 10 | 14,5 | 45 | 39,3333 |
| Super 2 | 35 : 35 | 10 | 13,7 | 37 | |
| Super 2 | 35 : 35 | 10 | 13,6 | 36 | |
| Super 2 | 50 : 50 | 10 | 12,6 | 17 | 21,3333 |
| Super 2 | 50 : 50 | 10 | 13,6 | 21 | |
| Super 2 | 50 : 50 | 10 | 12,7 | 26 | |
| Super 2 | 65 : 35 | 10 | 12 | 20 | 21,0000 |
| Super 2 | 65 : 35 | 10 | 11,8 | 18 | |
| Super 2 | 65 : 35 | 10 | 12 | 20 | |

b. Analisis Kadar Air

Tabel 2. Data Analisis Kadar Air

| Varietas | Tepung Sorgum : Tepung Terigu | Massa Kurs Kosong (g) | Massa Sampel (g) | Massa Akhir (g) | Kadar Air (%) | Rata-Rata (%) |
|----------|-------------------------------|-----------------------|------------------|-----------------|---------------|---------------|
| Numbu | 35 : 35 | 10,8119 | 1,0583 | 11,2205 | 38,6091 | 38,4184 |
| Numbu | 35 : 35 | 11,1658 | 0,9863 | 11,5422 | 38,1628 | |
| Numbu | 35 : 35 | 11,5442 | 1,0311 | 11,9410 | 38,4832 | |
| Numbu | 50 : 50 | 11,3912 | 1,0615 | 11,7572 | 34,4795 | 34,5401 |
| Numbu | 50 : 50 | 10,5788 | 1,0018 | 10,9285 | 34,9072 | |
| Numbu | 50 : 50 | 12,1360 | 0,9257 | 12,4529 | 34,2336 | |
| Numbu | 65 : 35 | 11,5970 | 0,9729 | 11,9202 | 33,2203 | 33,3731 |
| Numbu | 65 : 35 | 10,9883 | 1,0850 | 11,3509 | 33,4194 | |
| Numbu | 65 : 35 | 10,5636 | 1,0030 | 10,8994 | 33,4796 | |

Lampiran 2 (lanjutan)

Tabel 2 (lanjutan)

| Varietas | Tepung Sorgum : Tepung Terigu | Massa Kurs Kosong (g) | Massa Sampel (g) | Massa Akhir (g) | Kadar Air (%) | Rata-Rata (%) |
|----------|-------------------------------|-----------------------|------------------|-----------------|---------------|---------------|
| Super 2 | 35 : 35 | 10,8064 | 1,0346 | 11,1918 | 37,2511 | |
| Super 2 | 35 : 35 | 11,1589 | 1,0151 | 11,5388 | 37p,4249 | 37,3072 |
| Super 2 | 35 : 35 | 11,4802 | 0,9824 | 11,8461 | 37,2455 | |
| Super 2 | 50 : 50 | 12,0274 | 1,0679 | 12,4167 | 36,4547 | |
| Super 2 | 50 : 50 | 11,7820 | 1,0934 | 12,1781 | 36,2264 | 36,4830 |
| Super 2 | 50 : 50 | 10,8041 | 0,9628 | 11,1581 | 36,7678 | |
| Super 2 | 65 : 35 | 11,8199 | 0,9652 | 12,1409 | 33,2574 | |
| Super 2 | 65 : 35 | 9,6934 | 1,0312 | 10,0416 | 33,7665 | 33,4633 |
| Super 2 | 65 : 35 | 11,9104 | 0,9192 | 12,2171 | 33,3660 | |

c. Analisis Kadar Abu

Tabel 3. Data Analisis Kadar Abu

| Varietas | Tepung Sorgum : Tepung Terigu | Massa Kurs Kosong (g) | Massa Sampel (g) | Massa Akhir (g) | Kadar Air (%) | Rata-Rata (%) |
|----------|-------------------------------|-----------------------|------------------|-----------------|---------------|---------------|
| Numbu | 35 : 35 | 10,8119 | 1,0583 | 10,8160 | 0,3874 | |
| Numbu | 35 : 35 | 11,1658 | 0,9863 | 11,1713 | 0,5576 | |
| Numbu | 35 : 35 | 11,5442 | 1,0311 | 11,5493 | 0,4946 | 0,4799 |
| Numbu | 50 : 50 | 11,3912 | 1,0615 | 11,3996 | 0,7913 | |
| Numbu | 50 : 50 | 10,5788 | 1,0018 | 10,5834 | 0,4592 | |
| Numbu | 50 : 50 | 12,1360 | 0,9257 | 12,1437 | 0,8318 | 0,6941 |
| Numbu | 65 : 35 | 11,5970 | 0,9729 | 11,6059 | 0,9148 | |
| Numbu | 65 : 35 | 10,9883 | 1,0850 | 10,9974 | 0,8387 | |
| Numbu | 65 : 35 | 10,5636 | 1,0030 | 10,5721 | 0,8475 | 0,8670 |
| Super 2 | 35 : 35 | 10,8064 | 1,0346 | 10,8123 | 0,5703 | |
| Super 2 | 35 : 35 | 11,1589 | 1,0151 | 11,1664 | 0,7388 | |
| Super 2 | 35 : 35 | 11,4802 | 0,9824 | 11,4867 | 0,6616 | 0,6569 |
| Super 2 | 50 : 50 | 12,0274 | 1,0679 | 12,0355 | 0,7585 | |
| Super 2 | 50 : 50 | 11,7820 | 1,0934 | 11,7902 | 0,7500 | |
| Super 2 | 50 : 50 | 10,8041 | 0,9628 | 10,8111 | 0,7270 | 0,7452 |
| Super 2 | 65 : 35 | 11,8199 | 0,9652 | 11,8287 | 0,9117 | |
| Super 2 | 65 : 35 | 9,6934 | 1,0312 | 9,7013 | 0,7661 | |
| Super 2 | 65 : 35 | 11,9104 | 0,9192 | 11,9180 | 0,8268 | 0,8349 |

Lampiran 2 (lanjutan)

d. Analisis Kadar Protein

Tabel 4. Data Analisis Kadar Protein

| Varietas | Tepung Sorgum : Tepung Terigu | M Sampel (g) | V HCl (ml) | K Protein (%) | Rata-Rata (%) |
|----------|----------------------------------|-----------------|---------------|------------------|------------------|
| Numbu | 35 : 35 | 0,2990 | 2,5000 | 8,0213 | |
| Numbu | 35 : 35 | 0,3003 | 2,6000 | 8,3061 | 8,1109 |
| Numbu | 35 : 35 | 0,2996 | 2,5000 | 8,0053 | |
| Numbu | 50 : 50 | 0,3026 | 2,1900 | 6,9431 | |
| Numbu | 50 : 50 | 0,3069 | 2,2400 | 7,0021 | 7,0321 |
| Numbu | 50 : 50 | 0,2938 | 2,1900 | 7,1510 | |
| Numbu | 65 : 35 | 0,3337 | 2,0900 | 6,0085 | |
| Numbu | 65 : 35 | 0,3162 | 2,0900 | 6,3411 | 6,2080 |
| Numbu | 65 : 35 | 0,3058 | 2,0000 | 6,2744 | |
| Super 2 | 35 : 35 | 0,2992 | 2,4400 | 7,8236 | |
| Super 2 | 35 : 35 | 0,3018 | 2,5800 | 8,2012 | 7,9152 |
| Super 2 | 35 : 35 | 0,3007 | 2,4200 | 7,7207 | |
| Super 2 | 50 : 50 | 0,3039 | 2,2000 | 6,9449 | |
| Super 2 | 50 : 50 | 0,3111 | 2,3200 | 7,1543 | 6,8323 |
| Super 2 | 50 : 50 | 0,2999 | 2,0000 | 6,3978 | |
| Super 2 | 65 : 35 | 0,3038 | 2,0000 | 6,3157 | |
| Super 2 | 65 : 35 | 0,3058 | 2,0000 | 6,2744 | 6,2356 |
| Super 2 | 65 : 35 | 0,2980 | 1,9000 | 6,1167 | |

e. Analisis Kadar Lemak

Tabel 5. Data Analisis Kadar Lemak

| Varietas | Tepung Sorgum : Tepung Terigu | M Sampel Awal (g) | M Labu Kosong (g) | M Akhir (g) | Kadar Lemak (%) | Rata-rata (%) |
|----------|----------------------------------|----------------------|----------------------|----------------|--------------------|------------------|
| Numbu | 35 : 35 | 1,0270 | 17,7333 | 17,7453 | 1,1685 | 1,1251 |
| Numbu | 35 : 35 | 0,9985 | 17,7369 | 17,7477 | 1,0816 | |
| Numbu | 50 : 50 | 0,9961 | 17,7381 | 17,7606 | 2,2588 | 1,7538 |
| Numbu | 50 : 50 | 0,9930 | 17,7326 | 17,7450 | 1,2487 | |
| Numbu | 65 : 35 | 0,9938 | 17,7322 | 17,7579 | 2,5860 | 2,5684 |
| Numbu | 65 : 35 | 0,9997 | 17,7327 | 17,7582 | 2,5508 | |
| Super 2 | 35 : 35 | 0,9907 | 17,7381 | 17,7493 | 1,1305 | 1,2670 |
| Super 2 | 35 : 35 | 0,9975 | 17,7352 | 17,7492 | 1,4035 | |

Lampiran 2 (lanjutan)**Tabel 5 (lanjutan)**

| Varietas | Tepung Sorgum : Tepung Terigu | M Sampel Awal (g) | M Labu Kosong (g) | M Akhir (g) | Kadar Lemak (%) | Rata-rata (%) |
|----------|----------------------------------|----------------------|----------------------|----------------|--------------------|------------------|
| Super 2 | 50 : 50 | 1,0011 | 17,7376 | 17,7517 | 1,4085 | 1,4048 |
| Super 2 | 50 : 50 | 0,9920 | 17,7314 | 17,7453 | 1,4012 | |
| Super 2 | 65 : 35 | 1,0099 | 17,7809 | 17,8015 | 2,0398 | 2,4693 |
| Super 2 | 65 : 35 | 1,0073 | 17,7359 | 17,7651 | 2,8988 | |

f. Analisis Kadar Karbohidrat**Tabel 6.** Data Analisis Kadar Karbohidrat

| Varietas | Tepung Sorgum : Tepung Terigu | Air (%) | Abu (%) | Protein (%) | Lemak (%) | Karbohidrat (%) | Rata-rata (%) |
|----------|----------------------------------|------------|------------|----------------|--------------|--------------------|------------------|
| Numbu | 35 : 35 | 38,6091 | 0,3874 | 8,0213 | 1,1685 | 51,8137 | 51,9081 |
| Numbu | 35 : 35 | 38,1628 | 0,5576 | 8,3061 | 1,0816 | 51,8918 | |
| Numbu | 35 : 35 | 38,4832 | 0,4946 | 8,0053 | 0,9981 | 52,0188 | |
| Numbu | 50 : 50 | 34,4795 | 0,7913 | 6,9431 | 2,2588 | 55,5273 | 56,1947 |
| Numbu | 50 : 50 | 34,9072 | 0,4592 | 7,0021 | 1,2487 | 56,3828 | |
| Numbu | 50 : 50 | 34,2336 | 0,8318 | 7,1510 | 1,1097 | 56,6739 | |
| Numbu | 65 : 35 | 33,2203 | 0,9148 | 6,0085 | 2,5860 | 57,2704 | 57,0206 |
| Numbu | 65 : 35 | 33,4194 | 0,8387 | 6,3411 | 2,4573 | 56,9436 | |
| Numbu | 65 : 35 | 33,4796 | 0,8475 | 6,2744 | 2,5508 | 56,8479 | |
| Super 2 | 35 : 35 | 37,2511 | 0,5703 | 7,8236 | 1,1305 | 53,2245 | 52,8049 |
| Super 2 | 35 : 35 | 37,4249 | 0,7388 | 8,2012 | 1,4035 | 52,2316 | |
| Super 2 | 35 : 35 | 37,2455 | 0,6616 | 7,7207 | 1,4136 | 52,9585 | |
| Super 2 | 50 : 50 | 36,4547 | 0,7585 | 6,9449 | 1,2223 | 54,6195 | 54,5955 |
| Super 2 | 50 : 50 | 36,2264 | 0,7500 | 7,1543 | 1,4085 | 54,4609 | |
| Super 2 | 50 : 50 | 36,7678 | 0,7270 | 6,3978 | 1,4012 | 54,7062 | |
| Super 2 | 65 : 35 | 33,2574 | 0,9117 | 6,3157 | 1,8677 | 57,6476 | 57,1975 |
| Super 2 | 65 : 35 | 33,7665 | 0,7661 | 6,2744 | 2,0398 | 57,1532 | |
| Super 2 | 65 : 35 | 33,3660 | 0,8268 | 6,1167 | 2,8988 | 56,7917 | |

Lampiran 2 (lanjutan)

g. Analisis Aktivitas Antioksidan

HASIL PENGUJIAN
Result of Analysis

Nomor : 5100/BSKJI/BBIA/LHU.1/X/2021
Number
Nomor Analisis : 6174
Analysis Number
Halaman : 2 dari 2
Page of

| Parameter | Satuan | Hasil | Metode Uji / Teknik |
|--------------|--------|-------|---------------------|
| Serat pangan | % | 2,73 | AOAC 985.29 (2011) |
| Serat pangan | % | 2,35 | AOAC 985.29 (2011) |

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Manager of Testing Laboratories

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Gambar 12. Surat Hasil Uji Aktivitas Antioksidan BBIA Bogor pada Sampel Formulasi Tepung Sorgum Varietas Numbu : Tepung Terigu = 35 : 65

HASIL PENGUJIAN
Result of Analysis

Nomor : 5097/BSKJI/BBIA/LHU.1/X/2021
Number
Nomor Analisis : 6171
Analysis Number
Halaman : 2 dari 2
Page of

| Parameter | Satuan | Hasil | Metode Uji / Teknik |
|--------------|--------|-------|---------------------|
| Serat pangan | % | 4,34 | AOAC 985.29 (2011) |
| Serat pangan | % | 4,38 | AOAC 985.29 (2011) |

Manajer Teknis Pengujian
Manager of Testing Laboratories

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Gambar 13. Surat Hasil Uji Aktivitas Antioksidan BBIA Bogor pada Sampel Formulasi Tepung Sorgum Varietas Numbu : Tepung Terigu = 50 : 50

Lampiran 2 (lanjutan)

HASIL PENGUJIAN
Result of Analysis

Nomor : 5098/BSKJI/BBIA/LHU.1/X/2021
Number
Nomor Analisis : 6172
Analysis Number
Halaman : 2 dari 2
Page of

| Parameter | Satuan | Hasil | Metode Uji / Teknik |
|--------------|--------|-------|---------------------|
| Serat pangan | % | 4,55 | AOAC 985.29 (2011) |
| Serat pangan | % | 4,19 | AOAC 985.29 (2011) |

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Gambar 14. Surat Hasil Uji Aktivitas Antioksidan BBIA Bogor pada Sampel Formulasi Tepung Sorgum Varietas Super 2 : Tepung Terigu = 35 : 65

HASIL PENGUJIAN
Result of Analysis

Nomor : 5097/BSKJI/BBIA/LHU.1/X/2021
Number
Nomor Analisis : 6171
Analysis Number
Halaman : 2 dari 2
Page of

| Parameter | Satuan | Hasil | Metode Uji / Teknik |
|--------------|--------|-------|---------------------|
| Serat pangan | % | 4,34 | AOAC 985.29 (2011) |
| Serat pangan | % | 4,38 | AOAC 985.29 (2011) |

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Gambar 15. Surat Hasil Uji Aktivitas Antioksidan BBIA Bogor pada Sampel Formulasi Tepung Sorgum Varietas Super 2 : Tepung Terigu = 50 : 50

Lampiran 2 (lanjutan)

Tabel 7. Data Analisis Aktivitas Antioksidan

| Varietas | Tepung Sorgum : Tepung Terigu | Aktivitas Antioksidan (%) | Rata-rata (%) |
|----------|----------------------------------|------------------------------|---------------|
| Numbu | 35 : 35 | 84,09 | |
| Numbu | 35 : 35 | 84,40 | 84,32 |
| Numbu | 35 : 35 | 84,47 | |
| Numbu | 50 : 50 | 84,70 | |
| Numbu | 50 : 50 | 84,36 | 84,50 |
| Numbu | 50 : 50 | 84,44 | |
| Super 2 | 35 : 35 | 87,98 | |
| Super 2 | 35 : 35 | 88,17 | 88,10 |
| Super 2 | 35 : 35 | 88,15 | |
| Super 2 | 50 : 50 | 89,28 | |
| Super 2 | 50 : 50 | 88,93 | 89,12 |
| Super 2 | 50 : 50 | 89,15 | |

h. Analisis Kadar Serat Pangan

Tabel 8. Data Analisis Kadar Serat Pangan

| Varietas | Tepung Sorgum : Tepung Terigu | Kadar Serat Pangan (%) | Rata-rata (%) |
|----------|----------------------------------|---------------------------|---------------|
| Numbu | 35 : 35 | 2,73 | |
| Numbu | 35 : 35 | 2,35 | 2,540 |
| Numbu | 50 : 50 | 3,73 | |
| Numbu | 50 : 50 | 4,04 | 3,887 |
| Super 2 | 35 : 35 | 4,55 | |
| Super 2 | 35 : 35 | 4,19 | 4,370 |
| Super 2 | 50 : 50 | 4,38 | |
| Super 2 | 50 : 50 | 4,34 | 4,360 |

Lampiran 3. Hasil Analisis SPSS

a. Analisis Sensoris

Tests of Between-Subjects Effects

Dependent Variable: Warna

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|-----|-------------|----------|------|
| Corrected Model | 53,921 ^a | 5 | 10,784 | 8,178 | ,000 |
| Intercept | 3146,504 | 1 | 3146,504 | 2386,071 | ,000 |
| Varietas | 7,004 | 1 | 7,004 | 5,311 | ,022 |
| Perlakuan | 46,308 | 2 | 23,154 | 17,558 | ,000 |
| Varietas * Perlakuan | ,608 | 2 | ,304 | ,231 | ,794 |
| Error | 308,575 | 234 | 1,319 | | |
| Total | 3509,000 | 240 | | | |
| Corrected Total | 362,496 | 239 | | | |

a. R Squared = ,149 (Adjusted R Squared = ,131)

Gambar 16. Hasil Anova pada Atribut Warna

Warna

Duncan^{a,b}

| Perlakuan | N | Subset | |
|-----------|----|--------|------|
| | | 1 | 2 |
| 65% | 80 | 3,00 | |
| 50% | 80 | | 3,91 |
| 35% | 80 | | 3,95 |
| Sig. | | 1,000 | ,837 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1,319.

a. Uses Harmonic Mean Sample Size = 80,000.

b. Alpha = ,05.

Gambar 17. Hasil Analisis Duncan pada Atribut Warna

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Aroma

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|-----|-------------|----------|------|
| Corrected Model | 9,383 ^a | 5 | 1,877 | 1,525 | ,183 |
| Intercept | 3526,667 | 1 | 3526,667 | 2865,914 | ,000 |
| Varietas | ,417 | 1 | ,417 | ,339 | ,561 |
| Perlakuan | 8,108 | 2 | 4,054 | 3,295 | ,039 |
| Varietas * Perlakuan | ,858 | 2 | ,429 | ,349 | ,706 |
| Error | 287,950 | 234 | 1,231 | | |
| Total | 3824,000 | 240 | | | |
| Corrected Total | 297,333 | 239 | | | |

a. R Squared = ,032 (Adjusted R Squared = ,011)

Gambar 18. Hasil Anova pada Atribut Aroma

Homogeneous Subsets

Aroma

Duncan^{a,b}

| Perlakuan | N | Subset | |
|-----------|----|--------|------|
| | | 1 | 2 |
| 65% | 80 | 3,58 | |
| 50% | 80 | | 3,94 |
| 35% | 80 | | 3,99 |
| Sig. | | 1,000 | ,776 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1,231.

a. Uses Harmonic Mean Sample Size = 80,000.

b. Alpha = ,05.

Gambar 19. Hasil Analisis Duncan pada Atribut Aroma

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Rasa

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|-----|-------------|----------|------|
| Corrected Model | 63,233 ^a | 5 | 12,647 | 7,982 | ,000 |
| Intercept | 2788,017 | 1 | 2788,017 | 1759,665 | ,000 |
| Varietas | 2,017 | 1 | 2,017 | 1,273 | ,260 |
| Perlakuan | 58,858 | 2 | 29,429 | 18,574 | ,000 |
| Varietas * Perlakuan | 2,358 | 2 | 1,179 | ,744 | ,476 |
| Error | 370,750 | 234 | 1,584 | | |
| Total | 3222,000 | 240 | | | |
| Corrected Total | 433,983 | 239 | | | |

a. R Squared = ,146 (Adjusted R Squared = ,127)

Gambar 20. Hasil Anova pada Atribut Rasa

Rasa

Duncan^{a,b}

| Perlakuan | N | Subset | | |
|-----------|----|--------|-------|-------|
| | | 1 | 2 | 3 |
| 65% | 80 | 2,81 | | |
| 50% | 80 | | 3,39 | |
| 35% | 80 | | | 4,02 |
| Sig. | | 1,000 | 1,000 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1,584.

a. Uses Harmonic Mean Sample Size = 80,000.

b. Alpha = ,05.

Gambar 21. Hasil Analisis Duncan pada Atribut Rasa

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Tekstur

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|-----|-------------|----------|------|
| Corrected Model | 79,450 ^a | 5 | 15,890 | 12,868 | ,000 |
| Intercept | 2613,600 | 1 | 2613,600 | 2116,568 | ,000 |
| Varietas | 2,017 | 1 | 2,017 | 1,633 | ,203 |
| Perlakuan | 75,775 | 2 | 37,888 | 30,682 | ,000 |
| Varietas * Perlakuan | 1,658 | 2 | ,829 | ,671 | ,512 |
| Error | 288,950 | 234 | 1,235 | | |
| Total | 2982,000 | 240 | | | |
| Corrected Total | 368,400 | 239 | | | |

a. R Squared = ,216 (Adjusted R Squared = ,199)

Gambar 22. Hasil Anova pada Atribut Tekstur

Tekstur

Duncan^{a,b}

| Perlakuan | N | Subset | | |
|-----------|----|--------|-------|-------|
| | | 1 | 2 | 3 |
| 65% | 80 | 2,54 | | |
| 50% | 80 | | 3,49 | |
| 35% | 80 | | | 3,88 |
| Sig. | | 1,000 | 1,000 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1,235.

a. Uses Harmonic Mean Sample Size = 80,000.

b. Alpha = ,05.

Gambar 23. Hasil Analisis Duncan pada Atribut Tekstur

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Kekenyalan

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|-----|-------------|----------|------|
| Corrected Model | 69,433 ^a | 5 | 13,887 | 10,531 | ,000 |
| Intercept | 2522,017 | 1 | 2522,017 | 1912,662 | ,000 |
| Varietas | 1,350 | 1 | 1,350 | 1,024 | ,313 |
| Perlakuan | 65,508 | 2 | 32,754 | 24,840 | ,000 |
| Varietas * Perlakuan | 2,575 | 2 | 1,287 | ,976 | ,378 |
| Error | 308,550 | 234 | 1,319 | | |
| Total | 2900,000 | 240 | | | |
| Corrected Total | 377,983 | 239 | | | |

a. R Squared = ,184 (Adjusted R Squared = ,166)

Gambar 24. Hasil Anova pada Atribut Kekenyalan

Kekenyalan

Duncan^{a,b}

| Perlakuan | N | Subset | | |
|-----------|----|--------|-------|-------|
| | | 1 | 2 | 3 |
| 65% | 80 | 2,54 | | |
| 50% | 80 | | 3,40 | |
| 35% | 80 | | | 3,79 |
| Sig. | | 1,000 | 1,000 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1,319.

a. Uses Harmonic Mean Sample Size = 80,000.

b. Alpha = ,05.

Gambar 25. Hasil Analisis Duncan pada Atribut Kekenyalan

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Overall

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|-----|-------------|----------|------|
| Corrected Model | 66,971 ^a | 5 | 13,394 | 12,128 | ,000 |
| Intercept | 2767,604 | 1 | 2767,604 | 2506,024 | ,000 |
| Varietas | ,038 | 1 | ,038 | ,034 | ,854 |
| Perlakuan | 63,033 | 2 | 31,517 | 28,538 | ,000 |
| Varietas * Perlakuan | 3,900 | 2 | 1,950 | 1,766 | ,173 |
| Error | 258,425 | 234 | 1,104 | | |
| Total | 3093,000 | 240 | | | |
| Corrected Total | 325,396 | 239 | | | |

a. R Squared = ,206 (Adjusted R Squared = ,189)

Gambar 26. Hasil Anova pada Atribut *Overall*

Overall

Duncan^{a,b}

| Perlakuan | N | Subset | | |
|-----------|----|--------|-------|-------|
| | | 1 | 2 | 3 |
| 65% | 80 | 2,74 | | |
| 50% | 80 | | 3,46 | |
| 35% | 80 | | | 3,99 |
| Sig. | | 1,000 | 1,000 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1,104.

a. Uses Harmonic Mean Sample Size = 80,000.

b. Alpha = ,05.

Gambar 27. Hasil Analisis Duncan pada Atribut *Overall*

Lampiran 3 (lanjutan)

b. Elongasi

One-Sample Kolmogorov-Smirnov Test

| | | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N | | 18 |
| Normal Parameters ^{a,b} | Mean | 0E-7 |
| | Std. Deviation | 5,71244664 |
| Most Extreme Differences | Absolute | ,118 |
| | Positive | ,102 |
| | Negative | -,118 |
| Kolmogorov-Smirnov Z | | ,501 |
| Asymp. Sig. (2-tailed) | | ,963 |

a. Test distribution is Normal.

b. Calculated from data.

Gambar 28. Normalitas Data Elongasi

Levene's Test of Equality of Error Variances^a

Dependent Variable: Elongasi

| F | df1 | df2 | Sig. |
|-------|-----|-----|------|
| 1,917 | 5 | 12 | ,165 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Varietas + Formulasi + Varietas * Formulasi

Gambar 29. Homogenitas Data Elongasi

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Elongasi

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|----|-------------|---------|------|
| Corrected Model | 2064,323 ^a | 5 | 412,865 | 15,388 | ,000 |
| Intercept | 12840,031 | 1 | 12840,031 | 478,572 | ,000 |
| Varietas | ,031 | 1 | ,031 | ,001 | ,973 |
| Formulasi | 1844,646 | 2 | 922,323 | 34,377 | ,000 |
| Varietas * Formulasi | 219,646 | 2 | 109,823 | 4,093 | ,044 |
| Error | 321,958 | 12 | 26,830 | | |
| Total | 15226,313 | 18 | | | |
| Corrected Total | 2386,281 | 17 | | | |

a. R Squared = ,865 (Adjusted R Squared = ,809)

Gambar 30. Hasil Anova pada Elongasi

Elongasi

Duncan^{a,b}

| Formulasi | N | Subset | | |
|-----------|---|-----------|-----------|-----------|
| | | 1 | 2 | 3 |
| 65,00 | 6 | 14,958333 | | |
| 50,00 | 6 | | 25,500000 | |
| 35,00 | 6 | | | 39,666667 |
| Sig. | | 1,000 | 1,000 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 26,830.

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

b. Alpha = ,05.

Gambar 31. Hasil Analisis Duncan Elongasi

Lampiran 3 (lanjutan)

c. Analisis Kadar Air

One-Sample Kolmogorov-Smirnov Test

| | | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N | | 18 |
| Normal Parameters ^{a,b} | Mean | 0E-7 |
| | Std. Deviation | ,67977093 |
| Most Extreme Differences | Absolute | ,118 |
| | Positive | ,118 |
| | Negative | -,114 |
| Kolmogorov-Smirnov Z | | ,502 |
| Asymp. Sig. (2-tailed) | | ,962 |

a. Test distribution is Normal.

b. Calculated from data.

Gambar 32. Normalitas Data Kadar Air

Levene's Test of Equality of Error Variances^a

Dependent Variable: Kadar_Air

| F | df1 | df2 | Sig. |
|-------|-----|-----|------|
| 1,019 | 5 | 12 | ,449 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Varietas +
Formulasi + Varietas * Formulasi

Gambar 33. Homogenitas Data Kadar Air

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Kadar_Air

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|----|-------------|------------|------|
| Corrected Model | 66,855 ^a | 5 | 13,371 | 233,399 | ,000 |
| Intercept | 22809,276 | 1 | 22809,276 | 398147,032 | ,000 |
| Varietas | ,425 | 1 | ,425 | 7,417 | ,018 |
| Formulasi | 59,329 | 2 | 29,665 | 517,809 | ,000 |
| Varietas * Formulasi | 7,102 | 2 | 3,551 | 61,980 | ,000 |
| Error | ,687 | 12 | ,057 | | |
| Total | 22876,819 | 18 | | | |
| Corrected Total | 67,543 | 17 | | | |

a. R Squared = ,990 (Adjusted R Squared = ,986)

Gambar 34. Hasil Anova pada Kadar Air

Kadar_Air

Duncan^{a,b}

| Formulasi | N | Subset | | |
|-----------|---|-----------|-----------|-----------|
| | | 1 | 2 | 3 |
| 65,00 | 6 | 33,418200 | | |
| 50,00 | 6 | | 35,511533 | |
| 35,00 | 6 | | | 37,862767 |
| Sig. | | 1,000 | 1,000 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,057.

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

b. Alpha = ,05.

Gambar 35. Hasil Analisis Duncan Kadar Air

Lampiran 3 (lanjutan)

d. Analisis Kadar Abu

One-Sample Kolmogorov-Smirnov Test

| | | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N | | 17 |
| Normal Parameters ^{a,b} | Mean | 0E-7 |
| | Std. Deviation | ,12090361 |
| Most Extreme Differences | Absolute | ,115 |
| | Positive | ,115 |
| | Negative | -,095 |
| Kolmogorov-Smirnov Z | | ,476 |
| Asymp. Sig. (2-tailed) | | ,977 |

a. Test distribution is Normal.

b. Calculated from data.

Gambar 36. Normalitas Data Kadar Abu

Levene's Test of Equality of Error Variances^a

Dependent Variable: Abuji

| F | df1 | df2 | Sig. |
|-------|-----|-----|------|
| 2,298 | 5 | 11 | ,116 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Varietas + Formulasi + Varietas * Formulasi

Gambar 37. Homogenitas Data Kadar Abu

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Abuji

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|----|-------------|---------|------|
| Corrected Model | ,257 ^a | 5 | ,051 | 3,795 | ,030 |
| Intercept | 7,986 | 1 | 7,986 | 589,707 | ,000 |
| Varietas | ,050 | 1 | ,050 | 3,663 | ,082 |
| Formulasi | ,170 | 2 | ,085 | 6,269 | ,015 |
| Varietas * Formulasi | ,067 | 2 | ,033 | 2,466 | ,130 |
| Error | ,149 | 11 | ,014 | | |
| Total | 8,886 | 17 | | | |
| Corrected Total | ,406 | 16 | | | |

a. R Squared = ,633 (Adjusted R Squared = ,466)

Gambar 38. Hasil Anova pada Kadar Abu

Abuji

Duncan^{a,b,c}

| Formulasi | N | Subset | |
|-----------|---|--------|-------|
| | | 1 | 2 |
| 35,00 | 5 | ,6203 | |
| 50,00 | 6 | ,6525 | |
| 65,00 | 6 | | ,8317 |
| Sig. | | ,652 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,014.

a. Uses Harmonic Mean Sample Size = 5,625.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = ,05.

Gambar 39. Hasil Analisis Duncan Kadar Abu

Lampiran 3 (lanjutan)

e. Analisis Kadar Protein

One-Sample Kolmogorov-Smirnov Test

| | | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N | | 18 |
| Normal Parameters ^{a,b} | Mean | 0E-7 |
| | Std. Deviation | ,21481853 |
| Most Extreme Differences | Absolute | ,106 |
| | Positive | ,074 |
| | Negative | -,106 |
| Kolmogorov-Smirnov Z | | ,449 |
| Asymp. Sig. (2-tailed) | | ,988 |

a. Test distribution is Normal.

b. Calculated from data.

Gambar 40. Normalitas Data Kadar Protein

Levene's Test of Equality of Error Variances^a

Dependent Variable: Protein

| F | df1 | df2 | Sig. |
|-------|-----|-----|------|
| 2,416 | 5 | 12 | ,098 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Varietas + Formulasi + Varietas * Formulasi

Gambar 41. Homogenitas Data Kadar Protein

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Protein

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 9,880 ^a | 5 | 1,976 | 39,752 | ,000 |
| Intercept | 896,084 | 1 | 896,084 | 18026,389 | ,000 |
| Varietas | ,067 | 1 | ,067 | 1,357 | ,267 |
| Formulasi | 9,762 | 2 | 4,881 | 98,191 | ,000 |
| Varietas * Formulasi | ,051 | 2 | ,025 | ,510 | ,613 |
| Error | ,597 | 12 | ,050 | | |
| Total | 906,561 | 18 | | | |
| Corrected Total | 10,477 | 17 | | | |

a. R Squared = ,943 (Adjusted R Squared = ,919)

Gambar 42. Hasil Anova pada Kadar Protein

Protein

Duncan^{a,b}

| Formulasi | N | Subset | | |
|-----------|---|---------|---------|---------|
| | | 1 | 2 | 3 |
| 65,00 | 6 | 6,22183 | | |
| 50,00 | 6 | | 6,93217 | |
| 35,00 | 6 | | | 8,01300 |
| Sig. | | 1,000 | 1,000 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,050.

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

b. Alpha = ,05.

Gambar 43. Hasil Analisis Duncan Kadar Protein

Lampiran 3 (lanjutan)

f. Analisis Kadar Lemak

One-Sample Kolmogorov-Smirnov Test

| | | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N | | 12 |
| Normal Parameters ^{a,b} | Mean | 0E-7 |
| | Std. Deviation | ,00336773 |
| Most Extreme Differences | Absolute | ,151 |
| | Positive | ,151 |
| | Negative | -,101 |
| Kolmogorov-Smirnov Z | | ,523 |
| Asymp. Sig. (2-tailed) | | ,947 |

a. Test distribution is Normal.

b. Calculated from data.

Gambar 44. Normalitas Data Kadar Lemak

Levene's Test of Equality of Error Variances^a

Dependent Variable: Lemak

| F | df1 | df2 | Sig. |
|-------|-----|-----|------|
| 2,559 | 5 | 12 | ,085 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Varietas + Formulasi + Varietas * Formulasi

Gambar 45. Homogenitas Data Kadar Lemak

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Lemak

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|----|-------------|---------|------|
| Corrected Model | ,000 ^a | 5 | 7,716E-005 | 5,028 | ,037 |
| Intercept | ,004 | 1 | ,004 | 243,522 | ,000 |
| Varietas | 3,122E-006 | 1 | 3,122E-006 | ,203 | ,668 |
| Formulasi | ,000 | 2 | ,000 | 12,075 | ,008 |
| Varietas * Formulasi | 1,205E-005 | 2 | 6,026E-006 | ,393 | ,691 |
| Error | 9,208E-005 | 6 | 1,535E-005 | | |
| Total | ,004 | 12 | | | |
| Corrected Total | ,000 | 11 | | | |

a. R Squared = ,807 (Adjusted R Squared = ,647)

Gambar 46. Hasil Anova pada Kadar Lemak

Lemak

Duncan^{a,b}

| Formulasi | N | Subset | |
|-----------|---|---------|---------|
| | | 1 | 2 |
| 35,00 | 4 | ,011960 | |
| 50,00 | 4 | ,015793 | |
| 65,00 | 4 | | ,025189 |
| Sig. | | ,216 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1,535 E-005.

a. Uses Harmonic Mean Sample Size = 4,000.

b. Alpha = ,05.

Gambar 47. Hasil Analisis Duncan Kadar Lemak

Lampiran 3 (lanjutan)

g. Analisis Kadar Karbohidrat

One-Sample Kolmogorov-Smirnov Test

| | | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N | | 18 |
| Normal Parameters ^{a,b} | Mean | 0E-7 |
| | Std. Deviation | ,70561607 |
| Most Extreme Differences | Absolute | ,217 |
| | Positive | ,217 |
| | Negative | -,114 |
| Kolmogorov-Smirnov Z | | ,920 |
| Asymp. Sig. (2-tailed) | | ,365 |

a. Test distribution is Normal.

b. Calculated from data.

Gambar 48. Normalitas Data Kadar Karbohidrat

Levene's Test of Equality of Error Variances^a

Dependent Variable: Karbohidrat

| F | df1 | df2 | Sig. |
|-------|-----|-----|------|
| 2,626 | 5 | 12 | ,079 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Varietas + Formulasi + Varietas * Formulasi

Gambar 49. Homogenitas Data Kadar Karbohidrat

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Karbohidrat

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|----|-------------|------------|------|
| Corrected Model | 74,605 ^a | 5 | 14,921 | 101,819 | ,000 |
| Intercept | 54358,068 | 1 | 54358,068 | 370933,706 | ,000 |
| Varietas | ,138 | 1 | ,138 | ,942 | ,351 |
| Formulasi | 69,516 | 2 | 34,758 | 237,184 | ,000 |
| Varietas * Formulasi | 4,951 | 2 | 2,475 | 16,892 | ,000 |
| Error | 1,759 | 12 | ,147 | | |
| Total | 54434,431 | 18 | | | |
| Corrected Total | 76,363 | 17 | | | |

a. R Squared = ,977 (Adjusted R Squared = ,967)

Gambar 50. Hasil Anova pada Kadar Karbohidrat

Karbohidrat

Duncan^{a,b}

| Formulasi | N | Subset | | |
|-----------|---|-----------|-----------|-----------|
| | | 1 | 2 | 3 |
| 35,00 | 6 | 52,356483 | | |
| 50,00 | 6 | | 55,395100 | |
| 65,00 | 6 | | | 57,109067 |
| Sig. | | 1,000 | 1,000 | 1,000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,147.

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

b. Alpha = ,05.

Gambar 51. Hasil Analisis Duncan Kadar Karbohidrat

Lampiran 3 (lanjutan)

h. Analisis Aktivitas Antioksidan

One-Sample Kolmogorov-Smirnov Test

| | | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N | | 12 |
| Normal Parameters ^{a,b} | Mean | 0E-7 |
| | Std. Deviation | ,26260928 |
| Most Extreme Differences | Absolute | ,153 |
| | Positive | ,136 |
| | Negative | -,153 |
| Kolmogorov-Smirnov Z | | ,530 |
| Asymp. Sig. (2-tailed) | | ,942 |

a. Test distribution is Normal.

b. Calculated from data.

Gambar 52. Normalitas Data Aktivitas Antioksidan

Dependent Variable: Aktivitas_Antioksidan

| F | df1 | df2 | Sig. |
|------|-----|-----|------|
| ,605 | 3 | 8 | ,630 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Varietas + Formulasi + Varietas * Formulasi

Gambar 53. Homogenitas Data Aktivitas Antioksidan

Lampiran 3 (lanjutan)

Tests of Between-Subjects Effects

Dependent Variable: Aktivitas_Antioksidan

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|----|-------------|-------------|------|
| Corrected Model | 54,529 ^a | 3 | 18,176 | 633,876 | ,000 |
| Intercept | 89807,761 | 1 | 89807,761 | 3131918,438 | ,000 |
| Varietas | 52,920 | 1 | 52,920 | 1845,510 | ,000 |
| Formulasi | 1,080 | 1 | 1,080 | 37,663 | ,000 |
| Varietas * Formulasi | ,529 | 1 | ,529 | 18,455 | ,003 |
| Error | ,229 | 8 | ,029 | | |
| Total | 89862,520 | 12 | | | |
| Corrected Total | 54,759 | 11 | | | |

a. R Squared = ,996 (Adjusted R Squared = ,994)

Gambar 54. Hasil Anova pada Aktivitas Antioksidan

i. **Analisis Kadar Serat Pangan**

One-Sample Kolmogorov-Smirnov Test

| | | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N | | 8 |
| Normal Parameters ^{a,b} | Mean | 0E-7 |
| | Std. Deviation | ,39710785 |
| Most Extreme Differences | Absolute | ,164 |
| | Positive | ,164 |
| | Negative | -,155 |
| Kolmogorov-Smirnov Z | | ,464 |
| Asymp. Sig. (2-tailed) | | ,983 |

a. Test distribution is Normal.

b. Calculated from data.

Gambar 55. Normalitas Data Kadar Serat Pangan

Lampiran 3 (lanjutan)

Levene's Test of Equality of Error Variances^a

Dependent Variable: Serat_Pangan

| F | df1 | df2 | Sig. |
|-------|-----|-----|------|
| 1,117 | 3 | 8 | ,398 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Varietas + Formulasi + Varietas * Formulasi

Gambar 56. Homogenitas Data Kadar Serat Pangan

Tests of Between-Subjects Effects

Dependent Variable: Serat_Pangan

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 4,466 ^a | 3 | 1,489 | 32,038 | ,003 |
| Intercept | 114,837 | 1 | 114,837 | 2471,606 | ,000 |
| Varietas | 2,657 | 1 | 2,657 | 57,175 | ,002 |
| Formulasi | ,891 | 1 | ,891 | 19,179 | ,012 |
| Varietas * Formulasi | ,918 | 1 | ,918 | 19,758 | ,011 |
| Error | ,186 | 4 | ,046 | | |
| Total | 119,489 | 8 | | | |
| Corrected Total | 4,651 | 7 | | | |

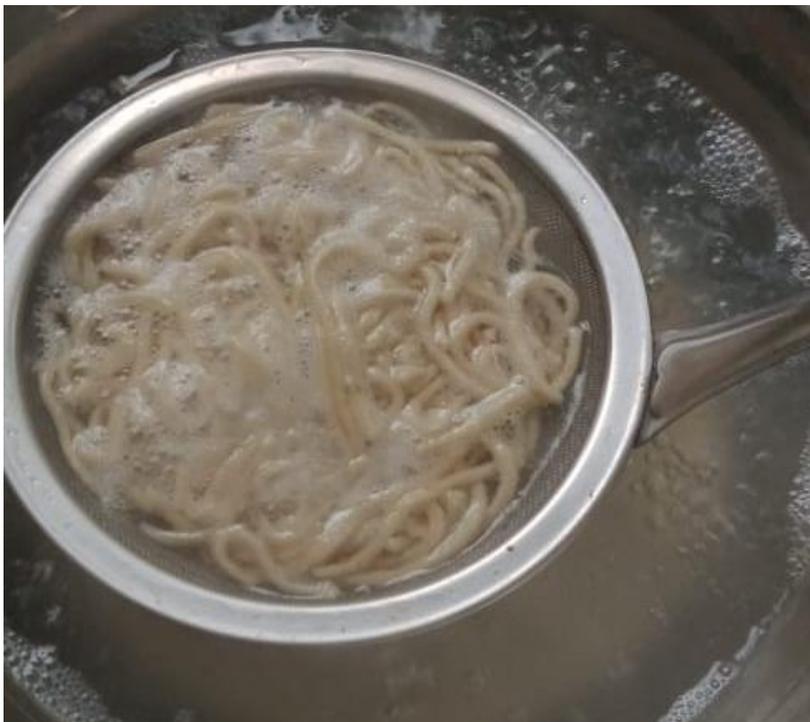
a. R Squared = ,960 (Adjusted R Squared = ,930)

Gambar 57. Hasil Anova pada Kadar Serat Pangan

Lampiran 4. Dokumentasi



Gambar 58. Pembuatan Mi Basah



Gambar 59. Proses Perebusan Mi Basah

Lampiran 4 (lanjutan)

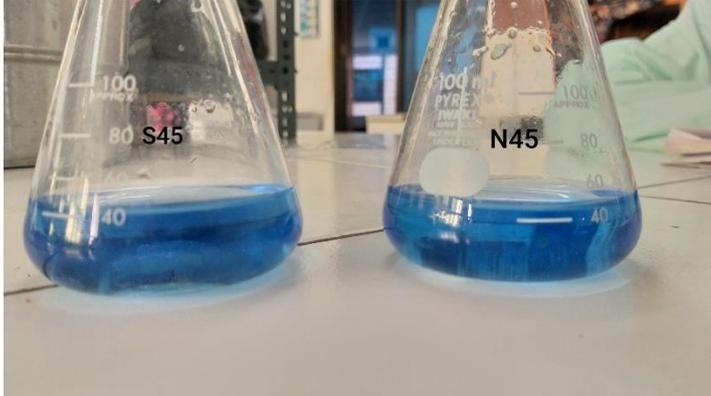


Gambar 60. Proses Analisis Kadar Air



Gambar 61. Proses Analisis Kadar Abu

Lampiran 4 (lanjutan)



Gambar 62. Titik Akhir Titrasi pada Uji Kadar Protein Metode Kjeldahl



Gambar 63. Analisis Lemak Metode Soxhlet