**LAMPIRAN 5. HASIL UJI ORGANOLEPTIK PENELITIAN PENDAHULUAN**

Tabel anava Warna Beras Analog

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| sumber | dB | JK | | RJK | | F Hitung |  | F Tabel 5% |
| variasi |  |
| Kelompok | 5 | 0.18 | | 0.036 | | 3.000 |  |  |
| Perlakuan | 3 | 0.09 | | 0.029 | | 2.425 | tn | 3.29 |
| Galat | 15 | 0.18 | | 0.012 | |  |  |  |
| Total | 23 | 0.45 | |  | |  |  |  |
| Keterangan: | | |
| tn = tidak berbeda nyata | | | | |
| \* = berbeda nyata | | |

Fhitung < Ftabel pada taraf 5%, maka uji organoleptik warna tidak berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian ditolak dan tidak perlu dilanjutkan uji lanjut Duncan.

Tabel Anava Aroma Beras Analog

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| sumber | dB | | JK | | RJK | F Hitung |  | F Tabel 5% |
| variasi |  |
| Kelompok | 5 | | 0.03 | | 0.007 | 3.000 |  |  |
| Perlakuan | 3 | | 0.00 | | 0.001 | 0.635 | tn | 3.29 |
| Galat | 15 | | 0.03 | | 0.002 |  |  |  |
| Total | 23 | | 0.07 | |  |  |  |  |
| Keterangan: | |
| tn = tidak berbeda nyata | | | |
| \* = berbeda nyata | |

Fhitung < Ftabel pada taraf 5%, maka uji organoleptik aroma tidak berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian ditolak dan tidak perlu dilanjutkan uji lanjut Duncan.

Tabel Anava Tekstur Beras Analog

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| sumber | dB | | JK | | RJK | F Hitung |  | F Tabel 5% |
| variasi |  |
| Kelompok | 5 | | 0.01 | | 0.002 | 1.000 |  |  |
| Perlakuan | 1 | | 0.01 | | 0.014 | 6.367 | tn | 6.61 |
| Galat | 5 | | 0.01 | | 0.002 |  |  |  |
| Total | 11 | | 0.04 | |  |  |  |  |
| Keterangan: | |
| tn = tidak berbeda nyata | | | |
| \* = berbeda nyata | |

Fhitung < Ftabel pada taraf 5%, maka uji organoleptik tekstur tidak berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian ditolak dan tidak perlu dilanjutkan uji lanjut Duncan.

Tabel Anava Kenampakan Beras Analog

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| sumber | dB | JK | RJK | F Hitung |  | F Tabel 5% |
| variasi |  |
| Kelompok | 5 | 0.09 | 0.018 | 3.000 |  |  |
| Perlakuan | 3 | 0.05 | 0.016 | 2.796 | tn | 3.29 |
| Galat | 15 | 0.09 | 0.006 |  |  |  |
| Total | 23 | 0.23 |  |  |  |  |
| Keterangan: | |
| tn = tidak berbeda nyata | | |
| \* = berbeda nyata | |

Fhitung < Ftabel pada taraf 5%, maka uji organoleptik kenampakan tidak berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian ditolak dan tidak perlu dilanjutkan uji lanjut Duncan.

Tabel Anava Rasa Beras Analog

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| sumber | dB | JK | RJK | F Hitung |  | F Tabel 5% |
| variasi |  |
| Kelompok | 5 | 0.03 | 0.006 | 1.000 |  |  |
| Perlakuan | 1 | 0.00 | 0.000 | 0.042 | tn | 6.61 |
| Galat | 5 | 0.03 | 0.006 |  |  |  |
| Total | 11 | 0.06 |  |  |  |  |
| Keterangan: | |
| tn = tidak berbeda nyata | | |
| \* = berbeda nyata | |

Fhitung < Ftabel pada taraf 5%, maka uji organoleptik rasa tidak berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian ditolak dan tidak perlu dilanjutkan uji lanjut Duncan.

Tabel Anava Kelengketan Beras Analog

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| sumber | dB | JK | RJK | F Hitung |  | F Tabel 5% |
| variasi |  |
| Kelompok | 5 | 0.13 | 0.027 | 1.000 |  |  |
| Perlakuan | 1 | 0.00 | 0.000 | 0.007 | tn | 6.61 |
| Galat | 5 | 0.13 | 0.027 |  |  |  |
| Total | 11 | 0.27 |  |  |  |  |
| Keterangan: | |  |  |  |  |  |
| tn = tidak berbeda nyata | | |  |  |  |  |
| \* = berbeda nyata | |  |  |  |  |  |

Fhitung < Ftabel pada taraf 5%, maka uji organoleptik kelengketan tidak berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian ditolak dan tidak perlu dilanjutkan uji lanjut Duncan.

**LAMPIRAN 5. HASIL UJI ORGANOLEPTIK PENELITIAN UTAMA**

Tabel Anava Warna Beras Analog

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| sumber | dB | JK | RJK | F Hitung |  | F Tabel 5% |
| variasi |  |
| Kelompok | 5 | 0.46 | 0.092 | 7.000 |  |  |
| Perlakuan | 7 | 0.36 | 0.051 | 3.877 | \* | 2.29 |
| Galat | 35 | 0.46 | 0.013 |  |  |  |
| Total | 47 | 1.28 |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| sy = RJK galat / r | | |
| 0.046905 |  | |
| Keterangan: | |
| tn = tidak berbeda nyata | | | |
| \* = berbeda nyata | |

Fhitung ≥ Ftabel pada taraf 5%, maka uji organoleptik warna berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian diterima dan perlu dilanjutkan uji lanjut Duncan.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ducan mentah | | | | | | | | |
| SSR | LSR | kode | rata-rata | perlakuan | | | |  |
| 1 | 2 | 3 | 4 | taraf nyata |
| - | - | f1 | 3.81 | - |  |  |  | a |
| 2.875 | 0.13485 | f2 | 4.23 | 0.42\* | - |  |  | b |
| 3.025 | 0.14189 | f3 | 4.31 | 0.5\* | 0.08tn | - |  | bc |
| 3.11 | 0.14587 | f4 | 4.39 | 0.58\* | 0.16\* | 0.08tn | - | c |
|  |  |  |  |  |  |  |  |  |
| duncan matang | | | | | | | | |
| SSR | LSR | kode | rata-rata | perlakuan | | | |  |
| 1 | 2 | 3 | 4 | taraf nyata |
| - | - | f1 | 1.96 | - |  |  |  | a |
| 2.875 | 0.13485 | f2 | 2.04 | 0.07tn | - |  |  | ab |
| 3.025 | 0.14189 | f3 | 2.16 | 0.2\* | 0.12tn | - |  | bc |
| 3.11 | 0.14587 | f4 | 2.21 | 0.25\* | 0.18\* | 0.05tn | - | c |

Tabel Anava Aroma Beras Analog

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| sumber | dB | JK | RJK | F Hitung |  | F Tabel 5% |
| variasi |  |
| Kelompok | 5 | 0.03 | 0.006 | 7.000 |  |  |
| Perlakuan | 7 | 0.11 | 0.016 | 19.343 | \* | 2.29 |
| Galat | 35 | 0.03 | 0.001 |  |  |  |
| Total | 47 | 0.17 |  |  |  |  |

|  |  |
| --- | --- |
| sy = RJK galat / r | |
| 0.011636 | |
| Keterangan: |
| tn = tidak berbeda nyata | | |
| \* = berbeda nyata |

Fhitung ≥ Ftabel pada taraf 5%, maka uji organoleptik aroma berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian diterima dan perlu dilanjutkan uji lanjut Duncan.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ducan mentah | | | | | | | | |
| SSR | LSR | kode | rata-rata | perlakuan | | | | taraf nyata |
| 1 | 2 | 3 | 4 |
| - | - | f1 | 3.99 | - |  |  |  | a |
| 2.875 | 0.0334521 | f2 | 4.02 | 0.0328tn | - |  |  | ab |
| 3.025 | 0.03519743 | f3 | 4.03 | 0.04\* | 0.01tn | - |  | b |
| 3.11 | 0.03618645 | f4 | 4.15 | 0.16\* | 0.13\* | 0.12\* | - | c |
|  |  |  |  |  |  |  |  |  |
| duncan matang | | | | | | | | |
| SSR | LSR | kode | rata-rata | perlakuan | | | | taraf nyata |
| 1 | 2 | 3 | 4 |
| - | - | f1 | 3.87 | - |  |  |  | a |
| 2.875 | 0.0334521 | f4 | 3.98 | 0.11\* | - |  |  | b |
| 3.025 | 0.03519743 | f3 | 4.30 | 0.43\* | 0.32\* | - |  | **c** |
| 3.11 | 0.03618645 | f2 | 4.50 | 0.63\* | 0.52\* | 0.20\* | - | d |

Tabel Anava Tekstur Beras Analog

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| sumber | | dB | | JK | | RJK | | F Hitung | |  | | | F Tabel 5% |
| variasi | |  | |  | | |
| Kelompok | | 5 | | 0.01 | | 0.003 | | 3.000 | |  | | |  |
| Perlakuan | | 3 | | 0.01 | | 0.005 | | 5.714 | | \* | | | 3.29 |
| Galat | | 15 | | 0.01 | | 0.001 | |  | |  | | |  |
| Total | | 23 | | 0.04 | |  | |  | |  | | |  |
| |  | | --- | | Keterangan: | | tn = tidak berbeda nyata | | | \* = berbeda nyata |   Fhitung ≥ Ftabel pada taraf 5%, maka uji organoleptik tekstur berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian diterima dan perlu dilanjutkan uji lanjut Duncan.  ducan matang | | | | | | | | | | | | | | |
| SSR | LSR | | kode | rata-rata | perlakuan | | | | | | | taraf nyata | | |
| 1 | | 2 | | 3 | | 4 |
| - | - | | f1 | 4.22 | - | |  | |  | |  | a | | |
| 3.01 | 0.04 | | f3 | 4.39 | 0.17\* | | - | |  | |  | b | | |
| 3.16 | 0.04 | | f4 | 4.42 | 0.2\* | | 0.03tn | | - | |  | bc | | |
| 3.25 | 0.03878 | | f2 | 4.44 | 0.22\* | | 0.06\* | | 0.02tn | | - | c | | |

Tabel Anava Kenampakan Beras Analog

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| sumber | dB | JK | RJK | F Hitung |  | F Tabel 5% |
| variasi |  |
| Kelompok | 5 | 0.04 | 0.008 | 7.000 |  |  |
| Perlakuan | 7 | 0.08 | 0.011 | 9.685 | \* | 2.29 |
| Galat | 35 | 0.04 | 0.001 |  |  |  |
| Total | 47 | 0.15 |  |  |  |  |

|  |
| --- |
| sy = RJK galat / r |
| 0.013624 |

|  |
| --- |
| Keterangan: |
| tn = tidak berbeda nyata | |
| \* = berbeda nyata |

Fhitung ≥ Ftabel pada taraf 5%, maka uji organoleptik kenampakan berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian diterima dan perlu dilanjutkan uji lanjut Duncan.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ducan mentah | | | | | | | | |
| SSR | LSR | kode | rata-rata | perlakuan | | | | taraf nyata |
| 1 | 2 | 3 | 4 |
| - | - | f3 | 4.34 | - |  |  |  | a |
| 2.875 | 0.033452 | f4 | 4.44 | 0.1\* | - |  |  | b |
| 3.025 | 0.035197 | f1 | 4.69 | 0.34\* | 0.24\* | - |  | c |
| 3.11 | 0.036186 | f2 | 4.71 | 0.37\* | 0.27\* | 0.02tn | - | c |
|  |  |  |  |  |  |  |  |  |
| duncan matang | | | | | | | | |
| SSR | LSR | kode | rata-rata | perlakuan | | | | taraf nyata |
| 1 | 2 | 3 | 4 |
| - | - | f1 | 4.27 | - |  |  |  | a |
| 2.875 | 0.033452 | f2 | 4.33 | 0.07\* | - |  |  | b |
| 3.025 | 0.035197 | f3 | 4.42 | 0.16\* | 0.09\* | - |  | **c** |
| 3.11 | 0.036186 | f4 | 4.50 | 0.23\* | 0.17\* | 0.08\* | - | d |

Tabel Anava Rasa Beras Analog

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| sumber | dB | JK | RJK | F Hitung |  | F Tabel 5% |
| variasi |  |  |  |
| Kelompok | 5 | 0.01 | 0.001 | 3.000 |  |  |
| Perlakuan | 3 | 0.03 | 0.010 | 19.863 | \* | 3.29 |
| Galat | 15 | 0.01 | 0.000 |  |  |  |
| Total | 23 | 0.04 |  |  |  |  |

|  |
| --- |
| Keterangan: |
| tn = tidak berbeda nyata | |
| \* = berbeda nyata |

Fhitung ≥ Ftabel pada taraf 5%, maka uji organoleptik rasa berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian diterima dan perlu dilanjutkan uji lanjut Duncan.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ducan matang | | | | | | | | |
| SSR | LSR | kode | rata-rata | perlakuan | | | | taraf nyata |
| 1 | 2 | 3 | 4 |
| - | - | f3 | 4.07 | - |  |  |  | a |
| 3.01 | 0.04 | f4 | 4.21 | 0.14\* | - |  |  | b |
| 3.16 | 0.04 | f1 | 4.29 | 0.22\* | 0.08\* | - |  | c |
| 3.25 | 0.038779 | f2 | 4.44 | 0.38\* | 0.23\* | 0.16\* | - | d |

Tabel Anava Kelengketan Beras Analog

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| sumber | dB | JK | RJK | F Hitung |  | F Tabel 5% |
| variasi |  |  |  |  |  |  |
| Kelompok | 5 | 0.01 | 0.002 | 3.000 |  |  |
| Perlakuan | 3 | 0.02 | 0.007 | 9.216 | \* | 3.29 |
| Galat | 15 | 0.01 | 0.001 |  |  |  |
| Total | 23 | 0.05 |  |  |  |  |

|  |
| --- |
| Keterangan: |
| tn = tidak berbeda nyata | |
| \* = berbeda nyata |

Fhitung ≥ Ftabel pada taraf 5%, maka uji organoleptik kelengketan berpengaruh nyata terhadap karakteristik beras analog yang dihasilkan. Dengan demikian hipotesis penelitian diterima dan perlu dilanjutkan uji lanjut Duncan.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| duncan mentah | | | | | | | | |
| SSR | LSR | kode | rata-rata | perlakuan | | | |  |
| 1 | 2 | 3 | 4 | taraf nyata |
| - | - | f1 | 4.06 | - |  |  |  | a |
| 3.01 | 0.0359 | f3 | 4.10 | 0.0444\* | - |  |  | b |
| 3.16 | 0.0377 | f4 | 4.38 | 0.3222\* | 0.28\* | - |  | c |
| 3.25 | 0.038779 | f2 | 4.41 | 0.3556\* | 0.31\* | 0.03tn | - | c |