**Lampiran Hasil Organoleptik Uji Hedonik Pada Penelitian**

**Pendahuluan Tahu**

**Data Asli Warna**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ulangan** |  | **JUMLAH SAMPEL** | **Jumlah** | **rata-rata** |
| **F1** | **F2** | **F3** |
| **A** | **B** | **A** | **B** | **A** | **B** |
| 1 | 3.40 | 3.00 | 3.73 | 3.43 | 4.7 | 4.13 | 22.40 | 3.73 |
| 2 | 3.40 | 3.37 | 3.87 | 3.20 | 3.73 | 4.23 | 21.80 | 3.63 |
| 3 | 3.73 | 3.10 | 3.87 | 3.53 | 4.03 | 4.93 | 23.20 | 6.63 |
| 4 | 3.70 | 3.20 | 4.13 | 3.43 | 4.4 | 3.5 | 22.37 | 6.39 |
| 5 | 3.37 | 3.40 | 3.80 | 3.63 | 4.33 | 4.03 | 22.57 | 6.45 |
| 6 | 3.70 | 3.70 | 3.43 | 3.57 | 3.67 | 3.47 | 21.53 | 6.15 |
| 7 | 3.33 | 3.40 | 3.67 | 3.87 | 3.4 | 3.77 | 21.43 | 6.12 |
| 8 | 3.10 | 3.13 | 3.63 | 3.83 | 2.97 | 2.87 | 19.53 | 5.58 |
| 9 | 3.17 | 3.03 | 3.80 | 3.73 | 3.63 | 3.03 | 20.40 | 5.83 |
| **jumlah** | **30.90** | **29.33** | **33.93** | **32.23** | **34.87** | **33.97** | **195.23** | **50.52** |
| **rata-rata** | **3.43** | **3.26** | **3.77** | **3.58** | **3.87** | **3.77** | **21.69** | **5.61** |

**Data Transpormasi Warna (x+0.5)√ 0.5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ulangan** |  | **JUMLAH SAMPEL** | **Jumlah** | **rata-rata** |
| **F1** | **F2** | **F3** |
| **A** | **B** | **A** | **B** | **A** | **B** |
| 1 | 1.95 | 1.84 | 2.04 | 1.95 | 2.26 | 2.13 | 12.18 | 2.03 |
| 2 | 1.95 | 1.94 | 2.07 | 1.89 | 2.05 | 2.16 | 12.06 | 2.01 |
| 3 | 2.03 | 1.87 | 2.06 | 1.97 | 2.11 | 2.31 | 12.35 | 2.06 |
| 4 | 2.02 | 1.89 | 2.12 | 1.96 | 2.20 | 1.99 | 12.17 | 2.03 |
| 5 | 1.94 | 1.94 | 2.03 | 2.01 | 2.18 | 2.12 | 12.22 | 2.04 |
| 6 | 2.02 | 2.03 | 1.94 | 1.97 | 2.02 | 1.98 | 11.95 | 1.99 |
| 7 | 1.93 | 1.95 | 2.02 | 2.03 | 1.95 | 2.06 | 11.93 | 1.99 |
| 8 | 1.86 | 1.87 | 2.00 | 2.06 | 1.82 | 1.79 | 11.41 | 3.26 |
| 9 | 1.88 | 1.85 | 2.03 | 2.03 | 2.01 | 1.86 | 11.67 | 3.33 |
| **jumlah** | **17.59** | **17.17** | **18.31** | **17.87** | **18.60** | **18.40** | **107.94** | **2.30** |
| **rata-rata** | **1.95** | **1.91** | **2.03** | **1.99** | **2.07** | **2.04** | **11.99** | **2.30** |

$$Faktor Koreksi\left(FK\right) = \frac{(total data jenderal)^{2}}{t × r} = \frac{(107.94)^{2}}{6 x 9}$$

$ = $215.76

$$JKT = \left(jumlah kuadrat masing-masing perlakuan\right)– FK$$

 = (1.952 + 1.952 + ... + 1.862) – 215.76

 = 0.62

$$JKP = \frac{(∑a1^{2} + ∑a2^{2} +∑an^{2})^{}}{r} - FK$$

$$ = \frac{17.59^{2}+ 17.17^{2}+ 18.31^{2} 17.87^{2}+ 18.60^{2}+ 18.40^{2} }{9} – 215.76$$

$$ = 0.17$$

$$JKK = \frac{(∑K1^{2} + ∑K2^{2} + ∑Kn^{2})^{}}{t} - FK$$

$$ = \frac{(12.18^{2}+ 12.06^{2}+ 12.35^{2}+……+ 11.67^{2})}{6} – 215.76$$

$$ = 0.12$$

$$JKG = JKT – JKP - JKK$$

$$ = 0.62 - 0.17 - 0.12 $$

$$= 0.34$$

**Tabel Anava**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sumber****Variasi** | **Db** | **Jk** | **Rjk** | **F Hitung** |  | **F Tabel 5%** |
|   |
| Kelompok | 8 | 0.12 | 0.015 | 5.000 | \* | 2.18 |
| Perlakuan | 5 | 0.17 | 0.033 | 11.430 | \* | 2.45 |
| Galat | 40 | 0.12 | 0.003 |  |  |  |
| Total | 53 | 0.40 |  |  |  |  |

 Berdasarkan tabel anava diketahui bahwa F hitung lebih besar dari pada taraf 5% maka diberi tanda \* (berbeda nyata) maka dilakukan uji lanjut duncan

Sў = $\sqrt{\frac{RJK Galat}{r}}$ = $\sqrt{\frac{0.005}{9}}$ = 0,0022

**Uji Lanjut Duncan Tahu Sebelum Dimasak**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SSR** | **LSR** | **Kode** | **Rata-Rata** | **Perlakuan** |  |
| **1** | **2** | **3** | **Taraf Nyata** |
| - | - | f1 | 1.95 | - |   |   | a |
| 2.86 | 0.05222 | f2 | 2.03 | 0.08\* | - |   | b |
| 3.01 | 0.05495 | f3 | 2.07 | 0.12\* | 0.04tn | - | b |

**Uji Lanjut Duncan Tahu Sebelum Dimasak**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SSR** | **LSR** | **Kode** | **Rata-Rata** | **Perlakuan** |  |
| **1** | **2** | **3** | **Taraf Nyata** |
| - | - | f1 | 1.91 | - |   |   | ac |
| 2.86 | 0.05222 | f2 | 1.99 | 0.08\* | - |   | b |
| 3.01 | 0.05495 | f3 | 2.04 | 0.05tn | 0.13\* | - | **c** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ulangan** |  | **JUMLAH SAMPEL** | **Jumlah** | **rata-rata** |
| **F1** | **F2** | **F3** |
| **A** | **B** | **A** | **B** | **A** | **B** |
| 1 | 3.43 | 3.50 | 3.80 | 3.67 | 4 | 3.70 | 22.10 | 3.68 |
| 2 | 3.57 | 3.53 | 3.97 | 3.23 | 4.07 | 4.33 | 22.70 | 3.78 |
| 3 | 3.40 | 3.53 | 3.73 | 3.60 | 4.20 | 4.57 | 23.03 | 3.84 |
| 4 | 3.17 | 3.63 | 3.87 | 3.20 | 3.9 | 3.77 | 21.53 | 3.59 |
| 5 | 3.13 | 3.63 | 3.17 | 3.03 | 3.90 | 3.83 | 20.70 | 3.45 |
| 6 | 3.33 | 3.67 | 3.77 | 3.50 | 3.77 | 3.73 | 21.77 | 3.63 |
| 7 | 3.33 | 3.50 | 3.50 | 3.67 | 3.2 | 3.90 | 21.10 | 3.52 |
| 8 | 3.27 | 3.57 | 3.40 | 3.50 | 3.00 | 3.00 | 19.73 | 3.29 |
| 9 | 3.20 | 3.30 | 3.70 | 3.57 | 3.63 | 3.13 | 20.53 | 3.42 |
| **jumlah** | **29.83** | **31.87** | **32.90** | **30.97** | **33.67** | **33.97** | **193.20** | **32.20** |
| **rata-rata** | **3.31** | **3.54** | **3.66** | **3.44** | **3.74** | **3.77** | **21.47** | **3.58** |

**Data Asli Tekstur**

**Data Transpormasi Tekstur (x+0.5)√ 0.5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ulangan** |  | **JUMLAH SAMPEL** | **Jumlah** | **Rata-Rata** |
| **F1** | **F2** | **F3** |
| **A** | **B** | **A** | **B** | **A** | **B** |
| 1 | 1.96 | 1.97 | 2.03 | 2.01 | 2.10 | 2.04 | 12.11 | 2.02 |
| 2 | 2.00 | 1.98 | 2.08 | 1.91 | 2.12 | 2.19 | 12.26 | 2.04 |
| 3 | 1.95 | 1.99 | 2.03 | 1.99 | 2.16 | 2.24 | 12.35 | 2.06 |
| 4 | 1.89 | 2.01 | 2.06 | 1.88 | 2.08 | 2.06 | 11.97 | 1.99 |
| 5 | 1.87 | 2.01 | 1.88 | 1.85 | 2.20 | 2.08 | 11.90 | 1.98 |
| 6 | 1.94 | 2.03 | 2.03 | 1.97 | 2.04 | 2.04 | 12.05 | 2.01 |
| 7 | 1.94 | 1.97 | 1.96 | 2.01 | 1.90 | 2.09 | 11.88 | 1.98 |
| 8 | 1.92 | 1.99 | 1.93 | 1.96 | 1.82 | 1.83 | 11.46 | 1.91 |
| 9 | 1.90 | 1.92 | 2.02 | 1.99 | 2.03 | 1.89 | 11.74 | 1.96 |
| **jumlah** | **17.37** | **17.87** | **18.01** | **17.57** | **18.44** | **18.45** | **107.72** | **17.95** |
| **rata-rata** | **1.93** | **1.99** | **2.00** | **1.95** | **2.05** | **2.05** | **11.97** | **1.99** |

**Tabel Anava**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sumber****Variasi** | **Db** | **Jk** | **Rjk** | **F Hitung** | **F Tabel 5%** |
| Kelompok | 8 | 0.10 | 0.012 | 5.000 | \* | 2.18 |
| Perlakuan | 5 | 0.11 | 0.022 | 9.077 | \* | 2.45 |
| Galat | 40 | 0.10 | 0.002 |  |  |  |
| Total | 53 | 0.30 |  |  |  |  |

Berdasarkan tabel anava diketahui bahwa F hitung lebih besar dari pada taraf 5% maka diberi tanda \* (berbeda nyata) maka dilakukan uji lanjut duncan

**Uji Lanjut Duncan Tahu Sebelum Dimasak**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SSR** | **LSR** | **Kode** | **Rata-Rata** | **Perlakuan** |  |
| **1** | **2** | **3** | **Taraf Nyata** |
| - | - | f1 | 1.95 | - |   |   | a |
| 2.86 | 0.05 | f2 | 1.99 | 0.04 tn | - |   | a |
| 3.01 | 0.05 | f3 | 2.05 | 0.1\* | 0.06\* | - | b |

**Uji Lanjut Duncan Tahu Setelah Dimasak**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SSR** | **LSR** | **Kode** | **Rata-Rata** | **Perlakuan** |  |
| **1** | **2** | **3** | **Taraf Nyata** |
| - | - | f2 | 1.91 | - |  |  | a |
| 2.86 | 0.05 | f1 | 1.99 | 0.08\* | - |  | b |
| 3.01 | 0.05 | f3 | 2.05 | 0.06\* | 0.14\* | - | c |

**Data Asli Aroma**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ulangan** |  | **JUMLAH SAMPEL** | **Jumlah** | **Rata-Rata** |
| **F1** | **F2** | **F3** |
| **A** | **B** | **A** | **B** | **A** | **B** |
| 1 | 3.60 | 3.13 | 4.13 | 3.83 | 4.07 | 4.63 | 23.40 | 3.90 |
| 2 | 3.73 | 3.60 | 3.47 | 3.77 | 3.83 | 4.27 | 22.67 | 3.78 |
| 3 | 3.87 | 3.70 | 3.63 | 4.10 | 3.87 | 3.90 | 23.07 | 3.84 |
| 4 | 3.43 | 3.50 | 3.60 | 3.90 | 4.17 | 4.40 | 23.00 | 3.83 |
| 5 | 3.53 | 3.87 | 3.60 | 3.10 | 4.13 | 3.87 | 22.10 | 3.68 |
| 6 | 3.77 | 3.80 | 3.90 | 3.17 | 3.40 | 3.73 | 21.77 | 3.63 |
| 7 | 3.33 | 3.27 | 3.70 | 3.43 | 3.77 | 3.77 | 21.27 | 3.54 |
| 8 | 3.37 | 3.33 | 3.37 | 3.33 | 3.00 | 2.97 | 19.37 | 3.23 |
| 9 | 3.27 | 3.07 | 3.60 | 3.53 | 3.17 | 3.37 | 20.00 | 3.33 |
| **jumlah** | **31.90** | **31.27** | **33.00** | **32.17** | **33.40** | **34.90** | **196.63** | **32.77** |
| **rata-rata** | **3.54** | **3.47** | **3.67** | **3.57** | **3.71** | **3.88** | **21.85** | **3.64** |

**Data Transpormasi Aroma (x+0.5)√ 0.5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ulangan** |  | **JUMLAH SAMPEL** | **Jumlah** | **rata-rata** |
| **F1** | **F2** | **F3** |
| A | B | A | B | A | B |
| 1 | 2,00 | 1,88 | 2,13 | 2,04 | 2,13 | 2,25 | 12,43 | 2,07 |
| 2 | 2,03 | 2,00 | 1,97 | 2,03 | 2,07 | 2,17 | 12,27 | 2,05 |
| 3 | 2,07 | 2,03 | 2,01 | 2,13 | 2,07 | 2,09 | 12,41 | 2,07 |
| 4 | 1,97 | 1,98 | 2,00 | 2,06 | 2,14 | 2,20 | 12,34 | 2,06 |
| 5 | 1,98 | 2,07 | 2,00 | 1,87 | 2,14 | 2,07 | 12,15 | 2,02 |
| 6 | 2,02 | 2,06 | 2,06 | 1,89 | 1,96 | 2,04 | 12,03 | 2,01 |
| 7 | 1,92 | 2,18 | 2,01 | 1,95 | 2,06 | 2,05 | 12,18 | 2,03 |
| 8 | 1,95 | 1,93 | 1,93 | 1,92 | 1,83 | 1,82 | 11,38 | 1,90 |
| 9 | 1,90 | 1,87 | 1,99 | 1,97 | 1,88 | 1,95 | 11,56 | 1,93 |
| **jumlah** | **17,86** | **18,00** | **18,09** | **17,87** | **18,27** | **18,66** | **108,76** | **18,13** |
| **rata-rata** | **1,98** | **2,00** | **2,01** | **1,99** | **2,03** | **2,07** | **12,08** | **2,01** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sumber****Variasi** | **Db** | **JK** | **RJK** | **F Hitung** | **F Tabel 5%** |
| Kelompok | 8 | 0.19 | 0.023 | 5.000 | \* | 2.81 |
| Perlakuan | 5 | 0.05 | 0.010 | 2.157 | tn | 2.45 |
| Galat | 40 | 0.19 | 0.005 |  |  |  |
| Total | 53 | 0.42 |  |  |  |  |

Berdasarkan tabel anava diketahui bahwa F hitung tidak lebih besar dari pada taraf 5% maka diberi tanda tn (tidak berbeda nyata) maka tidak dilakukan uji lanjut duncan

**Data Asli Kenampakan**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ulangan** |  | **JUMLAH SAMPEL** | **Jumlah** | **Rata-Rata** |
| **F1** | **F2** | **F3** |
| **A** | **B** | **A** | **B** | **A** | **B** |
| 1 | 3.83 | 3.50 | 3.33 | 3.57 | 3.67 | 4.10 | 22.00 | 3.67 |
| 2 | 3.80 | 3.73 | 3.40 | 3.33 | 3.60 | 4.60 | 22.47 | 3.74 |
| 3 | 3.77 | 3.37 | 3.50 | 3.33 | 3.63 | 3.90 | 21.50 | 3.58 |
| 4 | 3.50 | 3.70 | 4.03 | 3.33 | 4.20 | 3.83 | 22.60 | 3.77 |
| 5 | 3.47 | 3.70 | 3.70 | 3.27 | 4.10 | 3.93 | 22.17 | 3.69 |
| 6 | 3.47 | 3.37 | 3.37 | 3.80 | 3.77 | 4.10 | 21.87 | 3.64 |
| 7 | 3.30 | 3.40 | 3.43 | 3.50 | 3.93 | 4.00 | 21.57 | 3.59 |
| 8 | 3.67 | 3.63 | 3.43 | 3.17 | 3.20 | 2.73 | 19.83 | 3.31 |
| 9 | 3.30 | 3.40 | 3.70 | 2.87 | 3.47 | 2.93 | 19.67 | 3.28 |
| **jumlah** | **32.10** | **31.80** | **31.90** | **30.17** | **33.57** | **34.13** | **193.67** | **32.28** |
| **rata-rata** | **3.57** | **3.53** | **3.54** | **3.35** | **3.73** | **3.79** | **21.52** | **3.59** |

**Data Transpormasi Kenampakan (x+0.5)√ 0.5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ulangan** |  | **JUMLAH SAMPEL** | **Jumlah** | **Rata-Rata** |
| **F1** | **F2** | **F3** |
| **A** | **B** | **A** | **B** | **A** | **B** |
| 1 | 2.06 | 1.97 | 1.93 | 1.97 | 2.03 | 2.13 | 12.10 | 2.02 |
| 2 | 2.05 | 2.03 | 1.95 | 1.93 | 2.01 | 2.25 | 12.22 | 2.04 |
| 3 | 2.04 | 1.94 | 1.96 | 1.94 | 2.01 | 2.09 | 11.98 | 2.00 |
| 4 | 1.96 | 2.01 | 2.09 | 1.92 | 2.15 | 2.07 | 12.21 | 2.04 |
| 5 | 1.97 | 2.03 | 2.01 | 1.90 | 2.13 | 2.09 | 12.13 | 2.02 |
| 6 | 1.96 | 1.94 | 1.94 | 2.04 | 2.04 | 2.13 | 12.06 | 2.01 |
| 7 | 1.93 | 1.94 | 1.95 | 1.96 | 2.09 | 4.09 | 13.96 | 2.33 |
| 8 | 2.02 | 2.01 | 1.95 | 1.88 | 1.90 | 1.76 | 11.52 | 1.92 |
| 9 | 1.90 | 1.93 | 2.01 | 1.79 | 1.97 | 1.82 | 11.42 | 1.90 |
| **jumlah** | **17.89** | **17.80** | **17.80** | **17.34** | **18.34** | **20.43** | **109.60** | **18.27** |
| **rata-rata** | **1.99** | **1.98** | **1.98** | **1.93** | **2.04** | **2.27** | **12.18** | **2.03** |

**Tabel Anava**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sumber****Variasi** | **Db** | **JK** | **RJK** | **F Hitung** | **F Tabel 5%** |
| Kelompok | 8 | 0.71 | 0.088 | 5.000 | \* | 2.81 |
| Perlakuan | 5 | 0.68 | 0.136 | 7.689 | \* | 2.45 |
| Galat | 40 | 0.71 | 0.018 |  |  |  |
| Total | 53 | 2.10 |  |  |  |  |

Berdasarkan tabel anava diketahui bahwa F hitung lebih besar dari pada taraf 5% maka diberi tanda \* (berbeda nyata) maka dilakukan uji lanjut duncan

**Uji Lanjut Duncan Tahu Sebelum Dimasak**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SSR** | **LSR** | **Kode** | **Rata-Rata** | **Perlakuan** | **Taraf Nyata** |
| **1** | **2** | **3** |
| - | - | f2 | 1.98 | - |  |  | a |
| 2.86 | 0.13 | f1 | 1.99 | 0.01 tn | - |  | a |
| 3.01 | 0.13 | f3 | 2.04 | 0.06 tn | 0.05 tn | - | a |

**Uji Lanjut Duncan Tahu Sebelum Dimasak**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SSR** | **LSR** | **Kode** | **Rata-Rata** | **Perlakuan** | **Taraf Nyata** |
| **1** | **2** | **3** |
| - | - | f2 | 1.93 | - |  |  | a |
| 2.86 | 0.13 | f1 | 1.98 | 0.05 tn | - |  | a |
| 3.01 | 0.13 | f3 | 2.27 | 0.29\* | 0.34\* | - | b |