**Lampiran 9. Uji Organoleptik Metode Hedonik (Setyaningsih et al, 2010)**

Uji organoleptik yang digunakan adalah metode hedonik, diantaranya meliputi warna, rasa dan aroma. pengujian dilakukan dengan menggunakan 5 skala kesukaan yaitu :

1. Sangat tidak suka

2. Tidak suka

3. Netral

4. Suka

5. Sangat suka

Lembar Uji Organoleptik

Nama :

Hari dan Tanggal :

Judul : **Pengaruh Penambahan konsetrasi Gula Terhadap Karakteristik Organoleptik Rosella (*Hibiscus sadbariffa L)* Teh Kombucha**

Intruksi : Berikan penilaian bedasarkan tingkat kesukaan pada masing-masing sampel dengan 5 skala tingkat kesukaan, penilaian meliputi warna, rasa dan aroma pada setiap sampel, netralkan indera pengecap anda setelah mencicipi satu sampel menggunakan air putih, sampel yang disediakan berjumlah 21 sampe sebegai berikut :

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| parameter | kode | | | | | | |
| 101 | 350 | 150 | 301 | 250 | 501 | 201 |
| Warna |  |  |  |  |  |  |  |
| Rasa |  |  |  |  |  |  |  |
| Aroma |  |  |  |  |  |  |  |

Komentar :

|  |
| --- |
| Panelis |
|  |
| (..................) |

**Lampiran 19. Data dan analisa ragam organoleptik warna**

1. Data Organoleptik Warna

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 101 | 350 | 150 | 301 | 250 | 501 | 201 |
| PANELIS |
| 1 | 4 | 2 | 4 | 2 | 3 | 3 | 3 |
| 2 | 5 | 5 | 2 | 5 | 2 | 5 | 1 |
| 3 | 4 | 4 | 4 | 4 | 2 | 4 | 4 |
| 4 | 2 | 4 | 4 | 2 | 2 | 4 | 4 |
| 5 | 4 | 4 | 4 | 2 | 2 | 4 | 5 |
| 6 | 4 | 4 | 5 | 4 | 5 | 5 | 4 |
| 7 | 2 | 4 | 4 | 4 | 2 | 4 | 5 |
| 8 | 5 | 5 | 5 | 2 | 3 | 5 | 5 |
| 9 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 10 | 5 | 5 | 5 | 4 | 3 | 5 | 5 |
| 11 | 4 | 4 | 4 | 4 | 2 | 4 | 4 |
| 12 | 4 | 4 | 4 | 4 | 2 | 4 | 4 |
| 13 | 4 | 4 | 4 | 4 | 2 | 4 | 4 |
| 14 | 4 | 2 | 4 | 2 | 2 | 4 | 5 |
| 15 | 4 | 2 | 4 | 2 | 3 | 4 | 5 |
| 16 | 3 | 4 | 3 | 4 | 4 | 3 | 3 |
| 17 | 4 | 4 | 5 | 3 | 2 | 5 | 5 |
| 18 | 4 | 4 | 5 | 3 | 2 | 5 | 5 |
| 19 | 4 | 3 | 4 | 3 | 2 | 5 | 4 |
| 20 | 4 | 4 | 2 | 2 | 4 | 2 | 2 |
| 21 | 5 | 4 | 4 | 4 | 2 | 5 | 5 |
| 22 | 4 | 4 | 2 | 5 | 4 | 5 | 5 |
| 23 | 5 | 5 | 5 | 4 | 2 | 5 | 5 |
| 24 | 5 | 4 | 5 | 4 | 2 | 4 | 4 |
| 25 | 5 | 4 | 4 | 4 | 4 | 5 | 4 |
| 26 | 5 | 4 | 4 | 4 | 5 | 5 | 4 |
| 27 | 5 | 2 | 5 | 5 | 4 | 5 | 5 |
| 28 | 4 | 3 | 4 | 3 | 5 | 5 | 5 |
| 29 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 30 | 4 | 4 | 4 | 2 | 4 | 5 | 2 |
| TOTAL | 125 | 115 | 122 | 104 | 90 | 132 | 125 |
| RERATA | 4,17 | 3,83 | 4,07 | 3,47 | 3,00 | 4,40 | 4,17 |

1. Uji Rangking

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 101 | 350 | 150 | 301 | 250 | 501 | 201 |  |
| PANELIS |  |  |  |  |  |  |  | TOTAL |
| 1 | 6,5 | 1,5 | 6,5 | 1,5 | 4 | 4 | 4 | 28 |
| 2 | 5,5 | 5,5 | 2,5 | 5,5 | 2,5 | 5,5 | 1 | 28 |
| 3 | 4,5 | 4,5 | 4,5 | 4,5 | 1 | 4,5 | 4,5 | 28 |
| 4 | 2 | 5,5 | 5,5 | 2 | 2 | 5,5 | 5,5 | 28 |
| 5 | 4,5 | 4,5 | 4,5 | 1,5 | 1,5 | 4,5 | 7 | 28 |
| 6 | 2 | 2 | 5,5 | 2 | 5,5 | 5,5 | 5,5 | 28 |
| 7 | 1,5 | 4,5 | 4,5 | 4,5 | 1,5 | 4,5 | 7 | 28 |
| 8 | 5 | 5 | 5 | 1 | 2 | 5 | 5 | 28 |
| 9 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 28 |
| 10 | 5 | 5 | 5 | 2 | 1 | 5 | 5 | 28 |
| 11 | 4,5 | 4,5 | 4,5 | 4,5 | 1 | 4,5 | 4,5 | 28 |
| 12 | 4,5 | 4,5 | 4,5 | 4,5 | 1 | 4,5 | 4,5 | 28 |
| 13 | 4,5 | 4,5 | 4,5 | 4,5 | 1 | 4,5 | 4,5 | 28 |
| 14 | 5 | 2 | 5 | 2 | 2 | 5 | 7 | 28 |
| 15 | 5 | 2 | 5 | 2 | 2 | 5 | 7 | 28 |
| 16 | 2,5 | 6 | 2,5 | 6 | 6 | 2,5 | 2,5 | 28 |
| 17 | 3,5 | 3,5 | 6 | 2 | 1 | 6 | 6 | 28 |
| 18 | 3,5 | 3,5 | 6 | 2 | 1 | 6 | 6 | 28 |
| 19 | 5 | 2,5 | 5 | 2,5 | 1 | 7 | 5 | 28 |
| 20 | 6 | 6 | 2,5 | 2,5 | 6 | 2,5 | 2,5 | 28 |
| 21 | 6 | 3 | 3 | 3 | 1 | 6 | 6 | 28 |
| 22 | 3 | 3 | 1 | 6 | 3 | 6 | 6 | 28 |
| 23 | 5 | 5 | 5 | 2 | 1 | 5 | 5 | 28 |
| 24 | 6 | 3 | 6 | 3 | 1 | 3 | 6 | 28 |
| 25 | 6,5 | 3 | 3 | 3 | 3 | 6,5 | 3 | 28 |
| 26 | 6,5 | 3 | 3 | 3 | 3 | 6,5 | 3 | 28 |
| 27 | 5 | 1,5 | 5 | 5 | 1,5 | 5 | 5 | 28 |
| 28 | 4,5 | 2,5 | 4,5 | 2,5 | 1 | 6,5 | 6,5 | 28 |
| 29 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 28 |
| 30 | 4,5 | 4,5 | 4,5 | 1,5 | 4,5 | 7 | 1,5 | 28 |
| TOTAL | 135,5 | 113,5 | 132 | 94 | 70 | 151 | 144 |  |
| RERATA | 4,52 | 3,78 | 4,40 | 3,13 | 2,33 | 5,03 | 4,80 |  |

= 47709,48571

X20,05;8 = 15,50731306

T<X2 = Terima H1 Tolak H0

**Lampiran 20. Data dan analisa ragam organoleptik rasa**

1. Data Organoleptik Rasa

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 101 | 350 | 150 | 301 | 250 | 501 | 201 |
| PENELIS |  |  |  |  |  |
| 1 | 2 | 3 | 1 | 3 | 2 | 2 | 2 |
| 2 | 2 | 5 | 2 | 4 | 4 | 1 | 4 |
| 3 | 2 | 4 | 4 | 2 | 4 | 2 | 4 |
| 4 | 4 | 2 | 4 | 2 | 2 | 4 | 4 |
| 5 | 2 | 5 | 3 | 2 | 4 | 2 | 4 |
| 6 | 4 | 4 | 4 | 4 | 5 | 5 | 4 |
| 7 | 5 | 5 | 2 | 2 | 5 | 2 | 4 |
| 8 | 5 | 5 | 5 | 5 | 5 | 2 | 5 |
| 9 | 2 | 5 | 5 | 2 | 2 | 2 | 5 |
| 10 | 2 | 5 | 4 | 5 | 4 | 2 | 4 |
| 11 | 2 | 4 | 4 | 4 | 4 | 2 | 2 |
| 12 | 2 | 4 | 4 | 5 | 2 | 2 | 4 |
| 13 | 2 | 4 | 4 | 5 | 2 | 2 | 4 |
| 14 | 5 | 5 | 4 | 4 | 4 | 1 | 5 |
| 15 | 5 | 5 | 4 | 4 | 4 | 1 | 5 |
| 16 | 2 | 3 | 2 | 4 | 2 | 4 | 2 |
| 17 | 4 | 4 | 4 | 4 | 2 | 1 | 4 |
| 18 | 4 | 4 | 4 | 4 | 2 | 1 | 4 |
| 19 | 2 | 2 | 3 | 5 | 5 | 3 | 4 |
| 20 | 4 | 4 | 2 | 2 | 4 | 2 | 2 |
| 21 | 5 | 4 | 4 | 4 | 2 | 5 | 5 |
| 22 | 4 | 4 | 2 | 5 | 4 | 5 | 5 |
| 23 | 2 | 4 | 4 | 4 | 2 | 1 | 4 |
| 24 | 4 | 4 | 5 | 4 | 4 | 4 | 4 |
| 25 | 2 | 4 | 3 | 3 | 4 | 4 | 3 |
| 26 | 5 | 5 | 3 | 4 | 5 | 3 | 4 |
| 27 | 5 | 5 | 5 | 5 | 5 | 2 | 5 |
| 28 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 29 | 4 | 5 | 4 | 5 | 5 | 2 | 4 |
| 30 | 2 | 4 | 2 | 4 | 4 | 1 | 2 |
| TOTAL | 97 | 123 | 103 | 112 | 106 | 73 | 115 |
| RERATA | 3,23 | 4,10 | 3,43 | 3,73 | 3,53 | 2,43 | 3,83 |

1. Uji Rangking

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 101 | 350 | 150 | 301 | 250 | 501 | 201 |  |
| PANELIS |  |  |  |  |  |  |  | TOTAL |
| 1 | 3,5 | 6,5 | 1 | 6,5 | 3,5 | 3,5 | 3,5 | 28 |
| 2 | 2,5 | 7 | 2,5 | 5 | 5 | 1 | 5 | 28 |
| 3 | 2 | 5,5 | 5,5 | 2 | 5,5 | 2 | 5,5 | 28 |
| 4 | 5,5 | 2 | 5,5 | 2 | 2 | 5,5 | 5,5 | 28 |
| 5 | 2 | 7 | 4 | 2 | 5,5 | 2 | 5,5 | 28 |
| 6 | 3 | 3 | 3 | 3 | 6,5 | 6,5 | 3 | 28 |
| 7 | 6 | 6 | 2 | 2 | 6 | 2 | 4 | 28 |
| 8 | 4,5 | 4,5 | 4,5 | 4,5 | 4,5 | 1 | 4,5 | 28 |
| 9 | 2,5 | 6 | 6 | 2,5 | 2,5 | 2,5 | 6 | 28 |
| 10 | 1,5 | 6,5 | 4 | 6,5 | 4 | 1,5 | 4 | 28 |
| 11 | 2 | 5,5 | 5,5 | 5,5 | 5,5 | 2 | 2 | 28 |
| 12 | 2 | 5 | 5 | 7 | 2 | 2 | 5 | 28 |
| 13 | 2 | 5 | 5 | 7 | 2 | 2 | 5 | 28 |
| 14 | 6 | 6 | 3 | 3 | 3 | 1 | 6 | 28 |
| 15 | 6 | 6 | 3 | 3 | 3 | 1 | 6 | 28 |
| 16 | 2,5 | 5 | 2,5 | 6,5 | 2,5 | 6,5 | 2,5 | 28 |
| 17 | 5 | 5 | 5 | 5 | 2 | 1 | 5 | 28 |
| 18 | 5 | 5 | 5 | 5 | 2 | 1 | 5 | 28 |
| 19 | 1,5 | 1,5 | 3,5 | 6,5 | 6,5 | 3,5 | 5 | 28 |
| 20 | 4 | 1,5 | 4 | 6,5 | 6,5 | 4 | 1,5 | 28 |
| 21 | 5,5 | 5,5 | 1,5 | 3 | 5,5 | 1,5 | 5,5 | 28 |
| 22 | 4,5 | 6,5 | 1,5 | 6,5 | 3 | 1,5 | 4,5 | 28 |
| 23 | 2,5 | 5,5 | 5,5 | 5,5 | 2,5 | 1 | 5,5 | 28 |
| 24 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 28 |
| 25 | 5,5 | 5,5 | 2 | 2 | 5,5 | 5,5 | 2 | 28 |
| 26 | 6 | 6 | 1,5 | 3,5 | 6 | 1,5 | 3,5 | 28 |
| 27 | 4,5 | 4,5 | 4,5 | 4,5 | 4,5 | 1 | 4,5 | 28 |
| 28 | 2,5 | 2,5 | 2,5 | 2,5 | 6 | 6 | 6 | 28 |
| 29 | 3 | 6 | 3 | 6 | 6 | 1 | 3 | 28 |
| 30 | 3 | 6 | 3 | 6 | 6 | 1 | 3 | 28 |
| TOTAL | 110 | 151,5 | 108,5 | 134,5 | 129 | 75,5 | 131 |  |
| RERATA | 3,67 | 5,05 | 3,62 | 4,48 | 4,30 | 2,52 | 4,37 |  |

= 47013,48571

X20,05;8 = 15,50731306

T<X2 = Terima H1 Tolak H0

**Lampiran 21. Data dan analisa ragam organoleptik aroma**

1. Tabel organolepetik aroma

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 101 | 350 | 150 | 301 | 250 | 501 | 201 |
| PANELIS |  |  |  |  |  |  |  |
| 1 | 2 | 3 | 3 | 3 | 2 | 2 | 2 |
| 2 | 1 | 2 | 4 | 2 | 4 | 2 | 1 |
| 3 | 2 | 4 | 4 | 4 | 4 | 2 | 4 |
| 4 | 2 | 2 | 2 | 2 | 2 | 4 | 2 |
| 5 | 2 | 5 | 4 | 4 | 4 | 2 | 2 |
| 6 | 5 | 5 | 4 | 5 | 4 | 4 | 5 |
| 7 | 2 | 1 | 2 | 2 | 2 | 4 | 4 |
| 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 9 | 5 | 2 | 4 | 5 | 4 | 5 | 4 |
| 10 | 4 | 4 | 5 | 4 | 4 | 5 | 5 |
| 11 | 4 | 4 | 4 | 3 | 2 | 3 | 3 |
| 12 | 4 | 2 | 4 | 4 | 2 | 4 | 4 |
| 13 | 4 | 2 | 4 | 4 | 2 | 4 | 4 |
| 14 | 4 | 4 | 2 | 2 | 2 | 1 | 4 |
| 15 | 4 | 4 | 2 | 2 | 2 | 1 | 4 |
| 16 | 2 | 2 | 2 | 3 | 2 | 2 | 2 |
| 17 | 2 | 2 | 4 | 2 | 2 | 2 | 2 |
| 18 | 2 | 2 | 3 | 2 | 2 | 2 | 2 |
| 19 | 2 | 4 | 4 | 4 | 3 | 4 | 3 |
| 20 | 2 | 2 | 2 | 4 | 2 | 2 | 2 |
| 21 | 5 | 2 | 2 | 2 | 2 | 4 | 4 |
| 22 | 2 | 4 | 4 | 4 | 2 | 5 | 2 |
| 23 | 4 | 5 | 4 | 4 | 4 | 4 | 4 |
| 24 | 4 | 2 | 4 | 2 | 2 | 4 | 4 |
| 25 | 4 | 2 | 4 | 4 | 2 | 2 | 2 |
| 26 | 4 | 2 | 4 | 4 | 2 | 2 | 2 |
| 27 | 4 | 5 | 2 | 5 | 5 | 5 | 2 |
| 28 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 29 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 30 | 4 | 2 | 4 | 4 | 4 | 2 | 4 |
| TOTAL | 96 | 90 | 101 | 100 | 84 | 93 | 93 |
| RERATA | 3,20 | 3,00 | 3,37 | 3,33 | 2,80 | 3,10 | 3,10 |

1. Uji rangking

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | UJI RANGKING | |  |  |  |  |  |  |  |
|  |  | 101 | 350 | 150 | 301 | 250 | 501 | 201 |  |
| PANELIS |  |  |  |  |  |  |  |  | TOTAL |
| 1 |  | 2,5 | 6 | 6 | 6 | 2,5 | 2,5 | 2,5 | 28 |
| 2 |  | 1,5 | 4 | 6,5 | 4 | 6,5 | 4 | 1,5 | 28 |
| 3 |  | 1,5 | 5 | 5 | 5 | 5 | 1,5 | 5 | 28 |
| 4 |  | 3,5 | 3,5 | 3,5 | 3,5 | 3,5 | 7 | 3,5 | 28 |
| 5 |  | 2 | 7 | 5 | 5 | 5 | 2 | 2 | 28 |
| 6 |  | 5,5 | 5,5 | 2 | 5,5 | 2 | 2 | 5,5 | 28 |
| 7 |  | 3,5 | 1 | 3,5 | 3,5 | 3,5 | 6,5 | 6,5 | 28 |
| 8 |  | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 28 |
| 9 |  | 6 | 1 | 3 | 6 | 3 | 6 | 3 | 28 |
| 10 |  | 2,5 | 2,5 | 6 | 2,5 | 2,5 | 6 | 6 | 28 |
| 11 |  | 6 | 6 | 6 | 3 | 1 | 3 | 3 | 28 |
| 12 |  | 5 | 1,5 | 5 | 5 | 1,5 | 5 | 5 | 28 |
| 13 |  | 5 | 1,5 | 5 | 5 | 1,5 | 5 | 5 | 28 |
| 14 |  | 6 | 6 | 3 | 3 | 3 | 1 | 6 | 28 |
| 15 |  | 6 | 6 | 3 | 3 | 3 | 1 | 6 | 28 |
| 16 |  | 3,5 | 3,5 | 3,5 | 7 | 3,5 | 3,5 | 3,5 | 28 |
| 17 |  | 3,5 | 3,5 | 7 | 3,5 | 3,5 | 3,5 | 3,5 | 28 |
| 18 |  | 3,5 | 3,5 | 7 | 3,5 | 3,5 | 3,5 | 3,5 | 28 |
| 19 |  | 1 | 5,5 | 5,5 | 5,5 | 2,5 | 5,5 | 2,5 | 28 |
| 20 |  | 3,5 | 3,5 | 3,5 | 7 | 3,5 | 3,5 | 3,5 | 28 |
| 21 |  | 7 | 2,5 | 2,5 | 2,5 | 2,5 | 5,5 | 5,5 | 28 |
| 22 |  | 2 | 5 | 5 | 5 | 2 | 7 | 2 | 28 |
| 23 |  | 3,5 | 7 | 3,5 | 3,5 | 3,5 | 3,5 | 3,5 | 28 |
| 24 |  | 5,5 | 2 | 5,5 | 2 | 2 | 5,5 | 5,5 | 28 |
| 25 |  | 6 | 2,5 | 6 | 6 | 2,5 | 2,5 | 2,5 | 28 |
| 26 |  | 6 | 2,5 | 6 | 6 | 2,5 | 2,5 | 2,5 | 28 |
| 27 |  | 3 | 5,5 | 1,5 | 5,5 | 5,5 | 5,5 | 1,5 | 28 |
| 28 |  | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 28 |
| 29 |  | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 28 |
| 30 |  | 5 | 1,5 | 5 | 5 | 5 | 1,5 | 5 | 28 |
| TOTAL |  | 121,5 | 116,5 | 136 | 134 | 97,5 | 117,5 | 117 |  |
| RERATA |  | 4,05 | 3,88 | 4,53 | 4,47 | 3,25 | 3,92 | 3,90 |  |

= 45811,65714

X20,05;8 = 15,50731306

T<X2 = Terima H1 Tolak H0