

## 7. LAMPIRAN

Lampiran 1. *Worksheet* Uji Rating Hedonik

### **WORKSHEET UJI RATING HEDONIK**

Tanggal Uji : 14 Juli 2010

Jenis Sampel : Jus Buah Pir

| Identifikasi Sampel          | Kode |
|------------------------------|------|
| Jus buah pir : air = 100 : 0 | A    |
| Jus buah pir : air = 75 : 25 | B    |
| Jus buah pir : air = 50 : 50 | C    |
| Jus buah pir : air = 25 : 75 | D    |

Kode Kombinasi Urutan Penyajian

|          |           |
|----------|-----------|
| ABCD = 1 | CBAD = 6  |
| BCDA = 2 | BADC = 7  |
| CDAB = 3 | ADCB = 8  |
| DABC = 4 | BDAC = 9  |
| DCBA = 5 | ACBD = 10 |

Penyajian

| Booth | Panelis | Kode Sampel <sup>urutan penyajian</sup> |
|-------|---------|---|
| I     | 1       | 862, 245, 458, 396 <sup>1</sup>         |
| II    | 2       | 298, 498, 665, 635 <sup>2</sup>         |
| III   | 3       | 917, 113, 365, 314 <sup>3</sup>         |
| IV    | 4       | 896, 688, 663, 412 <sup>4</sup>         |
| V     | 5       | 585, 295, 847, 351 <sup>5</sup>         |
| VI    | 6       | 223, 398, 183, 765 <sup>6</sup>         |
| VII   | 7       | 369, 163, 743, 593 <sup>7</sup>         |
| VIII  | 8       | 581, 355, 542, 691 <sup>8</sup>         |
| IX    | 9       | 222, 746, 636, 478 <sup>9</sup>         |
| X     | 10      | 949, 797, 295, 756 <sup>10</sup>        |

Rekap Kode Sampel

|          |     |     |     |     |     |     |     |     |     |     |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Sampel A | 862 | 635 | 365 | 688 | 351 | 183 | 163 | 581 | 636 | 949 |
| Sampel B | 245 | 298 | 314 | 663 | 847 | 398 | 369 | 691 | 222 | 295 |
| Sampel C | 458 | 498 | 917 | 412 | 295 | 223 | 593 | 542 | 478 | 797 |
| Sampel D | 396 | 665 | 113 | 896 | 585 | 765 | 743 | 355 | 746 | 756 |

Lampiran 2. *Scoresheet* Uji Rating Hedonik**UJI RATING HEDONIK**

Nama :

Tanggal :

Produk : Jus buah pir

Penilaian untuk : *overall* rasa

Instruksi :

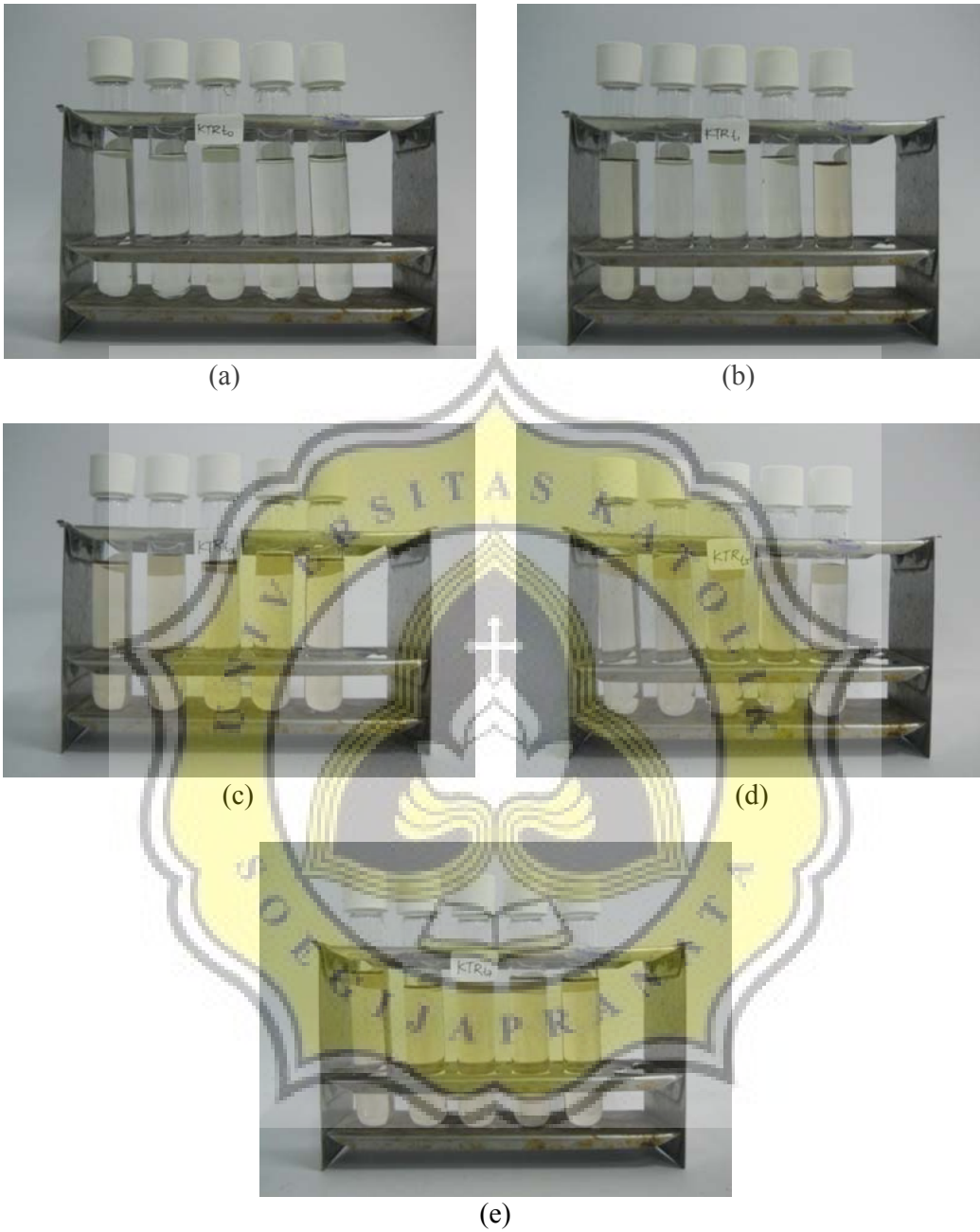
Di hadapan Anda terdapat 4 sampel jus buah pir. Cicipi sampel secara berurutan dari kiri ke kanan dan rasakan masing-masing sampel. Anda boleh mengulang sesering yang Anda perlukan. Setelah mencicipi semua sampel berilah rating pada jus buah pir tersebut dimana 1 = tidak enak, 2 = agak enak, 3 = enak dan 4 = sangat enak (rating boleh sama)

| Sampel | Rating |
|--------|--------|
| _____  | _____  |
| _____  | _____  |
| _____  | _____  |
| _____  | _____  |

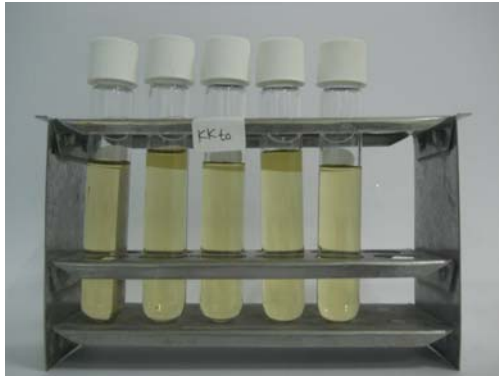
**TERIMA KASIH**



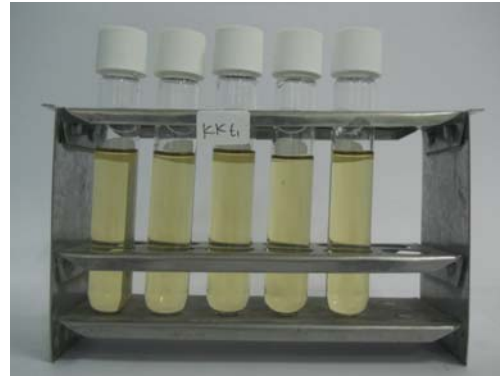
## Lampiran 3. Foto-foto Sampel



Jus Buah Pir Tanpa Penambahan Madu (a) jam ke 0; (b) jam ke 1; (c) jam ke 3; (d) jam ke 5; (e) jam ke 7



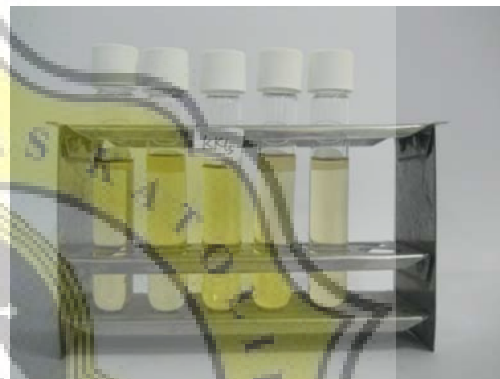
(a)



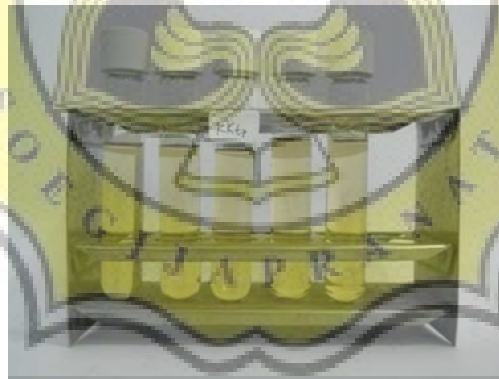
(b)



(c)

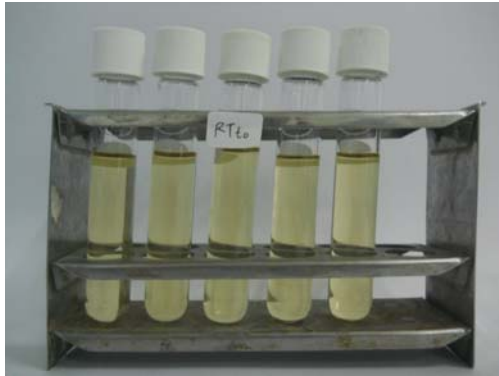


(d)



(e)

Jus Buah Pir dengan Penambahan Madu Kelengkeng (a) jam ke 0; (b) jam ke 1; (c) jam ke 3; (d) jam ke 5; (e) jam ke 7



(a)



(b)



(c)



(d)

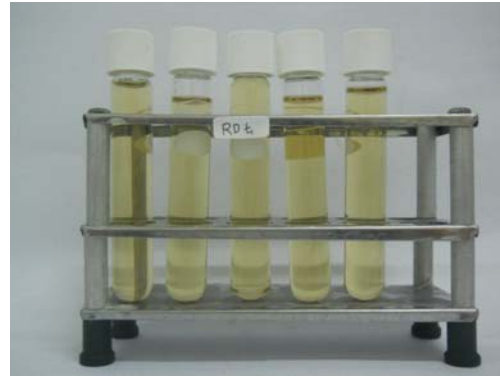


(e)

Jus Buah Pir dengan Penambahan Madu Rambutan (a) jam ke 0; (b) jam ke 1; (c) jam ke 3; (d) jam ke 5; (e) jam ke 7



(a)



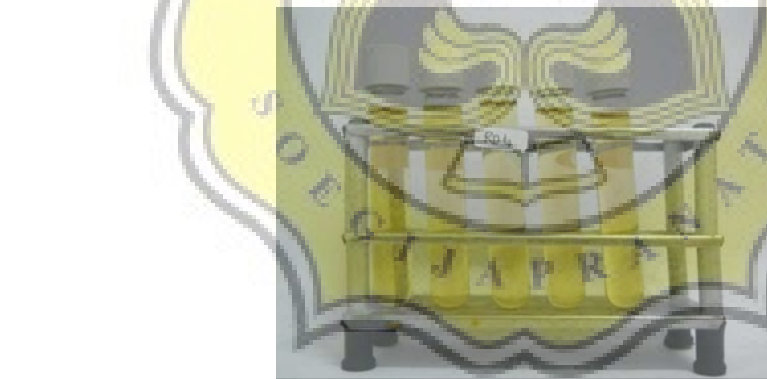
(b)



(c)



(d)



(e)

Jus Buah Pir dengan Penambahan Madu Randu (a) jam ke 0; (b) jam ke 1; (c) jam ke 3;  
(d) jam ke 5; (e) jam ke 7

## Lampiran 4. Hasil Pengujian SPSS

## Normalitas Pengujian Antioksidan

## Tests of Normality

| madu            |        | Kolmogorov-Smirnov <sup>a</sup> |      |       | Shapiro-Wilk |      |      |
|-----------------|--------|---------------------------------|------|-------|--------------|------|------|
|                 |        | Statistic                       | df   | Sig.  | Statistic    | df   | Sig. |
| akt_antioksidan | KTR t0 | ,298                            | 6    | ,103  | ,760         | 6    | ,025 |
|                 | KTR t1 | ,318                            | 6    | ,058  | ,706         | 6    | ,007 |
|                 | KTR t3 | ,294                            | 6    | ,114  | ,813         | 6    | ,077 |
|                 | KTR t5 | ,299                            | 6    | ,100  | ,763         | 6    | ,027 |
|                 | KTR t7 | ,310                            | 6    | ,075  | ,738         | 6    | ,015 |
|                 | KK t0  | ,306                            | 6    | ,083  | ,738         | 6    | ,015 |
|                 | KK t1  | ,303                            | 6    | ,089  | ,806         | 6    | ,066 |
|                 | KK t3  | ,286                            | 6    | ,136  | ,811         | 6    | ,074 |
|                 | KK t5  | ,257                            | 6    | ,200* | ,810         | 6    | ,071 |
|                 | KK t7  | ,287                            | 6    | ,132  | ,801         | 6    | ,060 |
|                 | RT t0  | ,302                            | 6    | ,092  | ,750         | 6    | ,020 |
|                 | RT t1  | ,290                            | 6    | ,126  | ,782         | 6    | ,040 |
|                 | RT t3  | ,318                            | 6    | ,059  | ,712         | 6    | ,008 |
|                 | RT t5  | ,315                            | 6    | ,063  | ,719         | 6    | ,010 |
|                 | RT t7  | ,316                            | 6    | ,061  | ,703         | 6    | ,007 |
|                 | RD t0  | ,314                            | 6    | ,066  | ,719         | 6    | ,010 |
|                 | RD t1  | ,312                            | 6    | ,070  | ,722         | 6    | ,010 |
|                 | RD t3  | ,312                            | 6    | ,069  | ,724         | 6    | ,011 |
| RD t5           | ,313   | 6                               | ,068 | ,699  | 6            | ,006 |      |
| RD t7           | ,312   | 6                               | ,070 | ,724  | 6            | ,011 |      |

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

## Normalitas Pengujian Perubahan Warna Total

Tests of Normality<sup>b,c,d,e</sup>

| madu           | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|----------------|---------------------------------|----|-------|--------------|----|------|
|                | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| delta_E KTR t1 | ,271                            | 6  | ,192  | ,869         | 6  | ,224 |
| KTR t3         | ,290                            | 6  | ,127  | ,831         | 6  | ,110 |
| KTR t5         | ,266                            | 6  | ,200* | ,865         | 6  | ,206 |
| KTR t7         | ,288                            | 6  | ,130  | ,800         | 6  | ,059 |
| KK t1          | ,270                            | 6  | ,197  | ,857         | 6  | ,178 |
| KK t3          | ,262                            | 6  | ,200* | ,829         | 6  | ,105 |
| KK t5          | ,284                            | 6  | ,141  | ,844         | 6  | ,140 |
| KK t7          | ,264                            | 6  | ,200* | ,841         | 6  | ,132 |
| RT t1          | ,237                            | 6  | ,200* | ,927         | 6  | ,554 |
| RT t3          | ,251                            | 6  | ,200* | ,927         | 6  | ,557 |
| RT t5          | ,318                            | 6  | ,057  | ,824         | 6  | ,096 |
| RT t7          | ,268                            | 6  | ,200* | ,805         | 6  | ,065 |
| RD t1          | ,258                            | 6  | ,200* | ,852         | 6  | ,165 |
| RD t3          | ,189                            | 6  | ,200* | ,960         | 6  | ,821 |
| RD t5          | ,203                            | 6  | ,200* | ,901         | 6  | ,379 |
| RD t7          | ,213                            | 6  | ,200* | ,937         | 6  | ,633 |

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

b. delta\_E is constant when madu = KTR t0. It has been omitted.

c. delta\_E is constant when madu = KK t0. It has been omitted.

d. delta\_E is constant when madu = RT t0. It has been omitted.

e. delta\_E is constant when madu = RD t0. It has been omitted.



Post Hoc Pengujian Antioksidan

akt\_antioksidan

Waller-Duncan<sup>a,b</sup>

| madu   | N | Subset for alpha = .05 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|--------|---|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|        |   | 1                      | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       | 10      | 11      |         |         |         |         |
| RD t7  | 6 | 69,4825                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| RD t5  | 6 | 70,0442                | 70,0442 |         |         |         |         |         |         |         |         |         |         |         |         |         |
| RD t3  | 6 | 72,0297                | 72,0297 | 72,0297 |         |         |         |         |         |         |         |         |         |         |         |         |
| RD t1  | 6 | 72,2105                | 72,2105 | 72,2105 | 72,2105 |         |         |         |         |         |         |         |         |         |         |         |
| RD t0  | 6 | 73,4906                | 73,4906 | 73,4906 | 73,4906 | 73,4906 |         |         |         |         |         |         |         |         |         |         |
| RT t7  | 6 |                        | 75,5611 | 75,5611 | 75,5611 | 75,5611 | 75,5611 |         |         |         |         |         |         |         |         |         |
| RT t5  | 6 |                        |         | 77,0890 | 77,0890 | 77,0890 | 77,0890 | 77,0890 | 77,0890 |         |         |         |         |         |         |         |
| KK t7  | 6 |                        |         |         | 77,9555 | 77,9555 | 77,9555 | 77,9555 | 77,9555 | 77,9555 |         |         |         |         |         |         |
| RT t3  | 6 |                        |         |         |         | 78,7766 | 78,7766 | 78,7766 | 78,7766 | 78,7766 | 78,7766 |         |         |         |         |         |
| KK t5  | 6 |                        |         |         |         |         | 79,2277 | 79,2277 | 79,2277 | 79,2277 | 79,2277 | 79,2277 | 79,2277 |         |         |         |
| RT t1  | 6 |                        |         |         |         |         |         | 79,6465 | 79,6465 | 79,6465 | 79,6465 | 79,6465 | 79,6465 |         |         |         |
| KK t3  | 6 |                        |         |         |         |         |         |         | 80,8411 | 80,8411 | 80,8411 | 80,8411 | 80,8411 | 80,8411 | 80,8411 |         |
| RT t0  | 6 |                        |         |         |         |         |         |         |         | 81,0354 | 81,0354 | 81,0354 | 81,0354 | 81,0354 | 81,0354 |         |
| KTR t7 | 6 |                        |         |         |         |         |         |         |         |         | 81,2021 | 81,2021 | 81,2021 | 81,2021 | 81,2021 |         |
| KK t1  | 6 |                        |         |         |         |         |         |         |         |         |         | 82,4488 | 82,4488 | 82,4488 | 82,4488 |         |
| KTR t5 | 6 |                        |         |         |         |         |         |         |         |         |         |         | 82,7562 | 82,7562 | 82,7562 |         |
| KK t0  | 6 |                        |         |         |         |         |         |         |         |         |         |         |         | 82,9686 | 82,9686 |         |
| KTR t3 | 6 |                        |         |         |         |         |         |         |         |         |         |         |         |         | 84,1622 |         |
| KTR t1 | 6 |                        |         |         |         |         |         |         |         |         |         |         |         |         |         | 84,6404 |
| KTR t0 | 6 |                        |         |         |         |         |         |         |         |         |         |         |         |         |         | 85,4642 |

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 6,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.

Post Hoc Pengujian Perubahan Warna Total

delta\_E

Waller-Duncan<sup>a,b</sup>

| madu   | N | Subset for alpha = .05 |       |       |       |       |       |       |       |       |       |       |  |  |
|--------|---|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
|        |   | 1                      | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    |       |  |  |
| KTR t0 | 6 | ,0000                  |       |       |       |       |       |       |       |       |       |       |  |  |
| KK t0  | 6 | ,0000                  |       |       |       |       |       |       |       |       |       |       |  |  |
| RT t0  | 6 | ,0000                  |       |       |       |       |       |       |       |       |       |       |  |  |
| RD t0  | 6 | ,0000                  |       |       |       |       |       |       |       |       |       |       |  |  |
| RT t1  | 6 |                        | ,2233 |       |       |       |       |       |       |       |       |       |  |  |
| RT t3  | 6 |                        | ,3133 | ,3133 |       |       |       |       |       |       |       |       |  |  |
| RD t1  | 6 |                        |       | ,3783 | ,3783 |       |       |       |       |       |       |       |  |  |
| RT t5  | 6 |                        |       | ,3883 | ,3883 |       |       |       |       |       |       |       |  |  |
| KTR t1 | 6 |                        |       | ,3917 | ,3917 |       |       |       |       |       |       |       |  |  |
| KK t1  | 6 |                        |       | ,4017 | ,4017 |       |       |       |       |       |       |       |  |  |
| RT t7  | 6 |                        |       | ,4367 | ,4367 | ,4367 |       |       |       |       |       |       |  |  |
| KTR t3 | 6 |                        |       |       | ,4617 | ,4617 |       |       |       |       |       |       |  |  |
| KK t3  | 6 |                        |       |       | ,5050 | ,5050 | ,5050 |       |       |       |       |       |  |  |
| KTR t5 | 6 |                        |       |       |       | ,5433 | ,5433 | ,5433 |       |       |       |       |  |  |
| KK t5  | 6 |                        |       |       |       |       | ,6133 | ,6133 | ,6133 |       |       |       |  |  |
| RD t3  | 6 |                        |       |       |       |       | ,6217 | ,6217 | ,6217 |       |       |       |  |  |
| KTR t7 | 6 |                        |       |       |       |       |       | ,6767 | ,6767 | ,6767 |       |       |  |  |
| KK t7  | 6 |                        |       |       |       |       |       |       | ,7050 | ,7050 | ,7050 |       |  |  |
| RD t5  | 6 |                        |       |       |       |       |       |       |       | ,7767 | ,7767 |       |  |  |
| RD t7  | 6 |                        |       |       |       |       |       |       |       |       | ,8400 | ,8400 |  |  |

Means for groups in homogeneous subsets are displayed.

- a. Uses Harmonic Mean Sample Size = 6,000.
- b. Type 1/Type 2 Error Seriousness Ratio = 100.