

7.LAMPIRAN

Lampiran 1. Normalitas Uji Sensori Getuk Jahe

Tests of Normality

| getuk_jahe | | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|------------|-------|---------------------------------|----|-------------------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| score_b | 0.75% | .233 | 15 | .027 | .896 | 15 | .082 |
| | 1% | .162 | 15 | .200 [*] | .928 | 15 | .256 |
| | 0.5% | .284 | 15 | .002 | .841 | 15 | .013 |

a. Lilliefors Significance Correction

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

Lampiran 2. Normalitas Uji Sensori Getuk Kayu Manis

Tests of Normality

| getuk_kayumanis | | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-----------------|------|---------------------------------|----|-------------------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| score_a | 2% | .272 | 15 | .004 | .888 | 15 | .063 |
| | 1,5% | .219 | 15 | .050 | .923 | 15 | .216 |
| | 1% | .143 | 15 | .200 [*] | .949 | 15 | .505 |

a. Lilliefors Significance Correction

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

Lampiran 3. Uji Wilcoxon Getuk Jahe

Test Statistics^b

| | nilai_b - getuk_ginger |
|------------------------|---------------------------|
| Z | -4.642 ^a |
| Asymp. Sig. (2-tailed) | .000 |

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

Lampiran 4. Uji Wilcoxon Getuk Kayu Manis

Test Statistics^b

| | |
|------------------------|---------------------------------|
| | nilai_a - getuk_ cinnamon |
| Z | -4.556 ^a |
| Asymp. Sig. (2-tailed) | .000 |

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

Lampiran 5. SNK Kadar Air Getuk tanpa Bahan Pengawet

kadar_air

Student-Newman-Keuls

| Hari | N | Subset | | |
|------|---|-----------|-----------|-----------|
| | | 1 | 2 | 3 |
| 1 | 5 | 3.74820E1 | | |
| 2 | 5 | | 3.85120E1 | |
| 3 | 5 | | 3.85560E1 | |
| 4 | 5 | | 3.89240E1 | |
| 5 | 5 | | | 3.95720E1 |
| 6 | 5 | | | 4.01220E1 |
| Sig. | | 1.000 | .317 | .059 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,193.

Lampiran 6. SNK Kekerasan Getuk tanpa Bahan Pengawet

Kekerasan

Duncan

| Hari | N | Subset | |
|------|---|-----------|-----------|
| | | 1 | 2 |
| 1 | 5 | 1.30670E2 | |
| 2 | 5 | 1.40018E2 | |
| 4 | 5 | 1.99264E2 | |
| 3 | 5 | | 2.80412E2 |
| 5 | 5 | | 3.20148E2 |
| 6 | 5 | | 3.38784E2 |
| Sig. | | .051 | .094 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 2523,597.

Lampiran 7. Nilai *Lightness* Getuk tanpa Bahan Pengawet

L

Student-Newman-Keuls

| hari | N | Subset | | | |
|------|---|-----------|-----------|-----------|---|
| | | 1 | 2 | 3 | 4 |
| 3 | 5 | 6.74680E1 | | | |
| 4 | 5 | 6.84640E1 | | | |
| 6 | 5 | | 7.23620E1 | | |
| 1 | 5 | | 7.23960E1 | | |
| 5 | 5 | | | 7.47420E1 | |

| | | | | | |
|------|---|------|------|-------|-----------|
| 2 | 5 | | | | 7.79500E1 |
| Sig. | | .226 | .966 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1,604.

Lampiran8. Nilai b* Getuk tanpa Bahan Pengawet

B

Student-Newman-Keuls

| hari | N | Subset | | |
|------|---|-----------|-----------|-----------|
| | | 1 | 2 | 3 |
| 5 | 5 | 1.23180E1 | | |
| 2 | 5 | 1.37620E1 | 1.37620E1 | |
| 4 | 5 | | 1.48160E1 | 1.48160E1 |
| 6 | 5 | | | 1.56600E1 |
| 1 | 5 | | | 1.62760E1 |
| 3 | 5 | | | 1.67780E1 |
| Sig. | | .063 | .167 | .063 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1,369.

Lampiran9. *Lightness* Getuk Kayu Manis

L

Student-Newman-Keuls

| hari | N | Subset | |
|------|---|-----------|---|
| | | 1 | 2 |
| 2 | 5 | 4.84640E1 | |
| 4 | 5 | 4.91100E1 | |

| | | | |
|------|---|-----------|-----------|
| 3 | 5 | 5.05220E1 | |
| 1 | 5 | 5.12180E1 | |
| 5 | 5 | | 5.40220E1 |
| 6 | 5 | | 5.40604E1 |
| Sig. | | .058 | .970 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 2,623.

Lampiran10. a* Getuk Kayu Manis

A

Student-Newman-Keuls

| hari | N | Subset | | |
|------|---|---------|---------|---------|
| | | 1 | 2 | 3 |
| 6 | 5 | 5.75400 | | |
| 5 | 5 | 6.01000 | 6.01000 | |
| 3 | 5 | 6.16800 | 6.16800 | 6.16800 |
| 4 | 5 | | 6.55000 | 6.55000 |
| 2 | 5 | | 6.62200 | 6.62200 |
| 1 | 5 | | | 6.87800 |
| Sig. | | .312 | .150 | .075 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,192.

Lampiran 11. b* Getuk Kayu Manis

B

Student-Newman-Keuls

| hari | N | Subset |
|------|---|--------|
|------|---|--------|

| | | 1 | 2 |
|------|---|-----------|-----------|
| 6 | 5 | 1.80224E1 | |
| 5 | 5 | 1.85320E1 | |
| 3 | 5 | 1.94100E1 | |
| 4 | 5 | | 2.10980E1 |
| 2 | 5 | | 2.11060E1 |
| 1 | 5 | | 2.11680E1 |
| Sig. | | .073 | .993 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,900.

Lampiran 12. Aw Getuk Kayu

aw

Student-Newman-Keuls

| hari | N | Subset | | | | |
|------|---|--------|--------|--------|--------|--------|
| | | 1 | 2 | 3 | 4 | 5 |
| 4 | 5 | .87720 | | | | |
| 2 | 5 | | .89300 | | | |
| 6 | 5 | | | .89960 | | |
| 5 | 5 | | | | .91320 | |
| 3 | 5 | | | | | .92040 |
| 1 | 5 | | | | | .92220 |
| Sig. | | 1.000 | 1.000 | 1.000 | 1.000 | .573 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 2,48E-005.

Manis

Lampiran 13. pH Getuk Jahe

Ph

Student-Newman-Keuls

| hari | N | Subset | |
|------|---|--------|--------|
| | | 1 | 2 |
| 6 | 5 | 6.1460 | |
| 4 | 5 | 6.1920 | 6.1920 |

| | | | |
|------|--|------|--------|
| 3 | | 5 | 6.2100 |
| 1 | | 5 | 6.2180 |
| 5 | | 5 | 6.2300 |
| 2 | | 5 | 6.2380 |
| Sig. | | .066 | .330 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,001.



Lampiran 14. Aw Getuk Jahe

Aw

Student-Newman-Keuls

| hari | N | Subset | | |
|------|---|--------|-------|-------|
| | | 1 | 2 | 3 |
| 4 | 5 | .9014 | | |
| 5 | 5 | .9060 | | |
| 6 | 5 | .9116 | | |
| 3 | 5 | .9144 | | |
| 2 | 5 | | .9334 | |
| 1 | 5 | | | .9492 |
| Sig. | | .054 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 5,70E-005.

Lampiran15. Kadar Air Getuk Jahe

kadar_air

Student-Newman-Keuls

| hari | N | Subset | |
|------|---|---------|---------|
| | | 1 | 2 |
| 1 | 5 | 35.9040 | |
| 6 | 5 | 37.6360 | 37.6360 |
| 3 | 5 | | 39.9680 |
| 2 | 5 | | 40.3320 |
| 4 | 5 | | 40.5760 |
| 5 | 5 | | 40.8940 |

| | | | |
|------|--|------|------|
| Sig. | | .197 | .125 |
|------|--|------|------|

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 4,260.

Lampiran 16. Hasil Uji Sensori Getuk Kayu Manis danGetuk Jahe

| Panelis | Age | C1 (2%) | C2 (1%) | C3 (1.5) | G1 (0.75) | G2 (1%) | G3 (0.5%) | Preference |
|---------|-----|---------|---------|----------|-----------|---------|-----------|------------|
| 1 | 20 | 7 | 8 | 6 | 7 | 5 | 8 | C |
| 2 | 20 | 6 | 7 | 8 | 5 | 6 | 7 | C |
| 3 | 19 | 8 | 5 | 3 | 3 | 9 | 7 | G |
| 4 | 20 | 6 | 7 | 3 | 4 | 2 | 7 | C |
| 5 | 20 | 6 | 7 | 7 | 4 | 4 | 3 | C |
| 6 | 18 | 8 | 7 | 6 | 1 | 2 | 4 | C |
| 7 | 18 | 7 | 8 | 5 | 4 | 4 | 4 | C |
| 8 | 18 | 6 | 5 | 4 | 7 | 5 | 7 | G |
| 9 | 20 | 6 | 6 | 6 | 4 | 2 | 5 | C |
| 10 | 20 | 6 | 7 | 9 | 7 | 5 | 8 | C |
| 11 | 20 | 5 | 5 | 4 | 7 | 4 | 7 | G |
| 12 | 18 | 4 | 6 | 5 | 7 | 6 | 7 | G |
| 13 | 21 | 2 | 4 | 2 | 8 | 2 | 3 | G |
| 14 | 20 | 4 | 3 | 2 | 2 | 3 | 6 | C |
| 15 | 20 | 1 | 5 | 3 | 1 | 1 | 3 | C |
| MAXIMUM | | 8 | 8 | 9 | 8 | 9 | 8 | |
| MINIMUM | | 1 | 3 | 2 | 1 | 1 | 3 | |
| TOTAL | | 82 | 90 | 73 | 71 | 60 | 86 | |

Lampiran 17. Angket Uji Sensori

HEDONIC TEST

Name : _____ Date : _____
 Age : _____
 Product : Getuk
 Attribute : Taste

Introduction

We are Anna and Karlijn from Food Technology. In advance, we would like to thank you for helping us with our sensory test. For our research we are making 2 different types of Gethuk: Gethuk with cinnamon and Gethuk with ginger. To determine to optimum concentration of cinnamon and ginger we need your opinion. You will taste 3 different concentrations for cinnamon Gethuk and for ginger Gethuk. Product C is the Gethuk with cinnamon and product G is the Gethuk with ginger. If you have any adjustments or additions, please let us know below the questionnaire.

First you will try the cinnamon Gethuk (C). Please taste the samples in the following order: C1 – C2 - C3. Before you will eat the next sample, you could drink some water which is provided. After you tasted the product, you could fill in the review which fits the product in your opinion.

C1

| | |
|---|--------------------------|
| 9 | Like extremely |
| 8 | Like very much |
| 7 | Like moderately |
| 6 | Like slightly |
| 5 | Neither like nor dislike |
| 4 | Dislike slightly |
| 3 | Dislike moderately |
| 2 | Dislike very much |

| | |
|---|-------------------|
| 1 | Dislike extremely |
|---|-------------------|



C2

| | |
|---|--------------------------|
| 9 | Like extremely |
| 8 | Like very much |
| 7 | Like moderately |
| 6 | Like slightly |
| 5 | Neither like nor dislike |
| 4 | Dislike slightly |
| 3 | Dislike moderately |
| 2 | Dislike very much |
| 1 | Dislike extremely |

See other side**C3**

| | |
|---|--------------------------|
| 9 | Like extremely |
| 8 | Like very much |
| 7 | Like moderately |
| 6 | Like slightly |
| 5 | Neither like nor dislike |
| 4 | Dislike slightly |
| 3 | Dislike moderately |
| 2 | Dislike very much |
| 1 | Dislike extremely |

Now you will try the ginger Gethuk (G). Please taste the samples in the following order: G1 – G2 - G3. Before you will eat the next sample, you could drink some water which is provided. After you tasted the product, you could fill in the review wich fits the product in your opinion.

G1

| | |
|---|--------------------------|
| 9 | Like extremely |
| 8 | Like very much |
| 7 | Like moderately |
| 6 | Like slightly |
| 5 | Neither like nor dislike |
| 4 | Dislike slightly |
| 3 | Dislike moderately |
| 2 | Dislike very much |
| 1 | Dislike extremely |



G2

| | |
|---|--------------------------|
| 9 | Like extremely |
| 8 | Like very much |
| 7 | Like moderately |
| 6 | Like slightly |
| 5 | Neither like nor dislike |
| 4 | Dislike slightly |
| 3 | Dislike moderately |
| 2 | Dislike very much |
| 1 | Dislike extremely |

G3

| | |
|---|--------------------------|
| 9 | Like extremely |
| 8 | Like very much |
| 7 | Like moderately |
| 6 | Like slightly |
| 5 | Neither like nor dislike |
| 4 | Dislike slightly |
| 3 | Dislike moderately |
| 2 | Dislike very much |
| 1 | Dislike extremely |

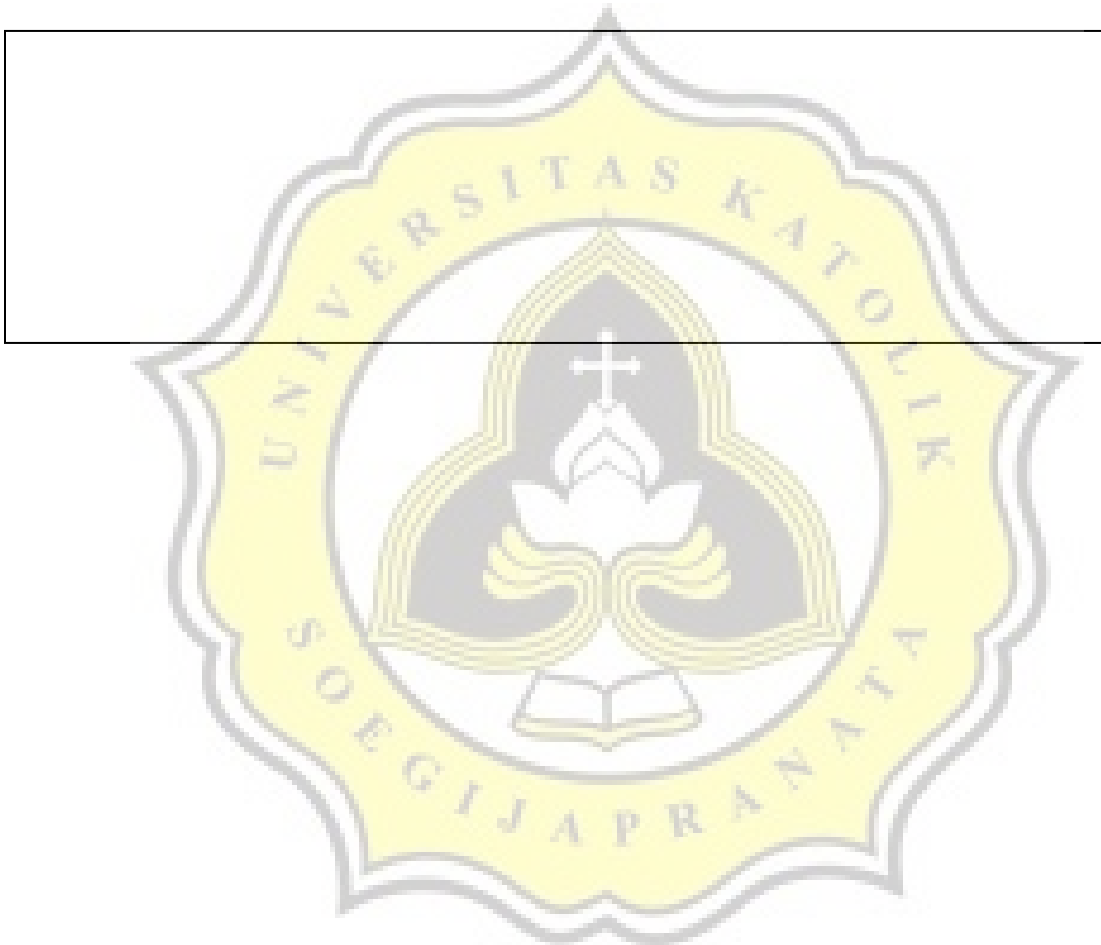
See other side

You have tasted the cinnamon Gethuk and ginger Gethuk. If you had to choose, which one would you prefer?

My preference goes to product:

| | |
|---|-----------------|
| C | Cinnamon Gethuk |
| G | Ginger Gethuk |

Thank you very much. If you have any adjustments or additions, please write it in the section below:



Lampiran 18. Hasil scan plagiasi

5146% 

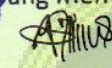
FORMULIR SCAN ANTI PLAGIARISME

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berupa (TESIS, TUGAS AKHIR, SKRIPSI, SUMMARY, LAPORAN KERJA PRAKTEK)

dengan judul : Pengaruh Penambahan Pengawet Alami
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Mikrobiologi dan Sensori Bakuk.
Semarang, 2011 .

Petugas,  yang Menyerahkan,
Dosen Pembimbing,
 anna putrika sunawan  BUDI WIDAYANA
NB. Laporan hasil scan hampir untuk Yang bersangkutan *

