

Tabel 18. Data kadar air permen susu kedelai

| Perlakuan | Kelompok | | | | Jumlah | Rata-rata |
|-----------|----------|--------|--------|--------|--------|-----------|
| | I | II | III | IV | | |
| F1 | | 6.23 | 5.47 | 5.23 | 6.57 | 23.50 |
| F2 | | 6.93 | 6.83 | 6.78 | 7.28 | 27.82 |
| F3 | | 7.31 | 7.02 | 7.56 | 7.37 | 29.26 |
| F4 | | 7.82 | 7.37 | 7.71 | 7.84 | 30.74 |
| F5 | | 8.63 | 7.96 | 7.89 | 8.34 | 32.82 |
| F6 | | 8.88 | 8.58 | 8.39 | 8.72 | 34.57 |
| Jumlah | 45.800 | 43.230 | 43.560 | 46.120 | | |
| Rata-rata | 7.633 | 7.205 | 7.260 | 7.687 | | 7.446 |

Keterangan : F1 = Sukrosa 100 % dan sirup glukosa 0 %
 F2 = Sukrosa 90 % dan sirup glukosa 10 %
 F3 = Sukrosa 80 % dan sirup glukosa 20 %
 F4 = Sukrosa 70 % dan sirup glukosa 30 %
 F5 = Sukrosa 60 % dan sirup glukosa 40 %
 F6 = Sukrosa 50 % dan sirup glukosa 50 %

Tabel 19. Uji homogenitas kadar air permen susu kedelai

| Perlakuan | $n-1$ | $1/n-1$ | $\sum (y_j - \bar{y}_i)^2$ | S^2 | $\text{Log } S^2$ | $n-1 (\text{Log } S^2)$ |
|-----------|-------|---------|----------------------------|----------|-------------------|-------------------------|
| F1 | 3 | 0.3333 | 0.1301 | 43.3583 | 1.6371 | 4.9112 |
| F2 | 3 | 0.3333 | 0.3581 | 119.3667 | 2.0769 | 6.2306 |
| F3 | 3 | 0.3333 | 0.1421 | 47.3667 | 1.6755 | 5.0264 |
| F4 | 3 | 0.3333 | 0.1501 | 50.0333 | 1.6993 | 5.0978 |
| F5 | 3 | 0.3333 | 0.1525 | 50.8333 | 1.7061 | 5.1184 |
| F6 | 3 | 0.3333 | 1.1891 | 396.3667 | 2.5981 | 7.7943 |
| Total | 18 | 2.0000 | 2.1220 | 707.3250 | 2.8496 | 34.1788 |
| Gabungan | | | | 117.8875 | 2.0715 | 37.2864 |

FK = 1.130
 χ^2_{hitung} = 7.156
 $\chi^2_{\text{terkoreksi}}$ = 6.334 (homogen)
 $\chi^2 (0.05)$ = 11.070

Tabel 20. Analisis sidik ragam kadar airpermen susu kedelai

| Sumber Keragaman | db | JK | KT | Fhitung | Notasi | F Tabel | |
|------------------|----|---------|--------|--------------|--------|---------|--------|
| | | | | | | 0.05 | 0.01 |
| Kelompok | 3 | 1.1141 | 0.3714 | 5.5268 | ** | 3.2874 | 5.4170 |
| Perlakuan | 5 | 19.1644 | 3.8329 | 57.0372 | ** | 2.9013 | 4.5560 |
| Galat | 15 | 1.0078 | 0.0672 | | | | |
| Total | 23 | 21.2864 | | KK = 0.5437% | | | |

Keterangan : ** = berpengaruh sangat nyata pada taraf 1 %

* = berpengaruh nyata pada taraf 5%

tn = tidak berpengaruh nyata

Tabel 21. Uji BNT 5% kadar airpermen susu kedelai

| Perlakuan | μ | \pm | SD | Notasi |
|-----------|-------|-------|-------|--------|
| F6 | 8.642 | \pm | 0.224 | a |
| F5 | 8.205 | \pm | 0.225 | b |
| F4 | 7.685 | \pm | 0.224 | c |
| F3 | 7.315 | \pm | 0.218 | cd |
| F2 | 6.955 | \pm | 0.345 | de |
| F1 | 5.875 | \pm | 0.208 | f |

Keterangan :

t (0.05) = 2.131

BNT 5% = 0.391

Tabel 22. Data kadar abu permen susu kedelai

| Perlakuan | Kelompok | | | | Jumlah | Rata-rata |
|-----------|----------|-------|-------|-------|--------|-----------|
| | I | II | III | IV | | |
| F1 | 0.98 | 0.88 | 1.11 | 0.93 | 3.90 | 0.975 |
| F2 | 1.14 | 1.18 | 1.17 | 1.19 | 4.68 | 1.170 |
| F3 | 1.19 | 1.21 | 1.23 | 1.20 | 4.83 | 1.208 |
| F4 | 1.26 | 1.29 | 1.28 | 1.30 | 5.13 | 1.283 |
| F5 | 1.37 | 1.40 | 1.39 | 1.35 | 5.51 | 1.378 |
| F6 | 1.53 | 1.56 | 1.49 | 1.51 | 6.09 | 1.523 |
| Jumlah | 7.470 | 7.520 | 7.670 | 7.480 | | |
| Rata-rata | 1.245 | 1.253 | 1.278 | 1.247 | | 1.256 |

Keterangan : F1 = Sukrosa 100 % dan sirup glukosa 0 %

F2 = Sukrosa 90 % dan sirup glukosa 10 %

F3 = Sukrosa 80 % dan sirup glukosa 20 %

F4 = Sukrosa 70 % dan sirup glukosa 30 %

F5 = Sukrosa 60 % dan sirup glukosa 40 %

F6 = Sukrosa 50 % dan sirup glukosa 50 %

Tabel 23. Uji homogenitas kadar abupermen susu kedelai

| Perlakuan | $n-1$ | $1/n-1$ | $\sum(\bar{y}_j - \bar{y}_i)$ | S^2 | $\text{Log } S^2$ | $n-1 (\text{Log } S^2)$ |
|-----------|-------|---------|-------------------------------|---------|-------------------|-------------------------|
| F1 | 3 | 0.3333 | 0.0293 | 9.7667 | 0.9897 | 2.9692 |
| F2 | 3 | 0.3333 | 0.0014 | 0.4667 | -0.3310 | -0.9930 |
| F3 | 3 | 0.3333 | 0.0009 | 0.2917 | -0.5351 | -1.6053 |
| F4 | 3 | 0.3333 | 0.0009 | 0.2917 | -0.5351 | -1.6053 |
| F5 | 3 | 0.3333 | 0.0015 | 0.4917 | -0.3083 | -0.9250 |
| F6 | 3 | 0.3333 | 0.0027 | 0.8917 | -0.0498 | -0.1494 |
| Total | 18 | 2.0000 | 0.0366 | 12.2000 | 1.0864 | -2.3088 |
| Gabungan | | | | 2.0333 | 0.3082 | 5.5478 |

FK = 1.130
 χ^2 hitung = 18.091
 χ^2 terkoreksi = 16.015 (homogen)
 χ^2 (0.05) = 11.070

Tabel 24. Analisis sidik ragam kadar abupermen susu kedelai

| Sumber Keragaman | db | JK | KT | Fhitung | Notasi | F Tabel | |
|------------------|----|--------|--------|--------------|--------|---------|--------|
| | | | | | | 0.05 | 0.01 |
| Kelompok | 3 | 0.0043 | 0.0014 | 0.6364 | tn | 3.2874 | 5.4170 |
| Perlakuan | 5 | 0.7008 | 0.1402 | 63.7273 | ** | 2.9013 | 4.5560 |
| Galat | 15 | 0.0323 | 0.0022 | | | | |
| Total | 23 | 0.7374 | | KK = 1.9685% | | | |

Keterangan : ** = berpengaruh sangat nyata pada taraf 1 %
 * = berpengaruh nyata pada taraf 5%
 tn = tidak berpengaruh nyata

Tabel 25. Uji BNT 5% kadar abu permen susu kedelai

| Perlakuan | μ | \pm | SD | Notasi |
|-----------|-------|-------|-------|--------|
| F6 | 8.643 | \pm | 0.017 | a |
| F5 | 8.205 | \pm | 0.022 | b |
| F4 | 7.685 | \pm | 0.017 | c |
| F3 | 7.315 | \pm | 0.017 | d |
| F2 | 6.955 | \pm | 0.022 | de |
| F1 | 5.875 | \pm | 0.030 | f |

Keterangan :
 t (0.05) = 2.131
 BNT 5% = 0.070

Tabel 26. Data kadar gula reduksi permen susu kedelai

| Perlakuan | Kelompok | | | | Jumlah | Rata-rata |
|-----------|----------|--------|--------|--------|--------|-----------|
| | I | II | III | IV | | |
| F1 | 1.04 | 1.24 | 1.32 | 1.17 | 4.77 | 1.193 |
| F2 | 2.73 | 2.75 | 2.93 | 2.60 | 11.01 | 2.751 |
| F3 | 3.95 | 4.23 | 4.50 | 3.10 | 16.68 | 4.169 |
| F4 | 5.18 | 4.90 | 5.21 | 4.63 | 19.93 | 4.982 |
| F5 | 7.85 | 8.53 | 8.27 | 8.06 | 32.71 | 8.177 |
| F6 | 8.27 | 8.99 | 9.07 | 8.49 | 34.82 | 8.705 |
| Jumlah | 29.025 | 30.654 | 31.282 | 28.951 | | |
| Rata-rata | 4.837 | 5.109 | 5.214 | 4.825 | | 4.996 |

Keterangan : F1 = Sukrosa 100 % dan sirup glukosa 0 %
 F2 = Sukrosa 90 % dan sirup glukosa 10 %
 F3 = Sukrosa 80 % dan sirup glukosa 20 %
 F4 = Sukrosa 70 % dan sirup glukosa 30 %
 F5 = Sukrosa 60 % dan sirup glukosa 40 %
 F6 = Sukrosa 50 % dan sirup glukosa 50 %

Tabel 27. Uji homogenitas kadar gula reduksi permen susu kedelai

| Perlakuan | $n-1$ | $1/n-1$ | $\sum (x_{ij} - \bar{y}_{i.})^2$ | S^2 | $\text{Log } S^2$ | $n-1 (\text{Log } S^2)$ |
|-----------|-------|---------|----------------------------------|----------|-------------------|-------------------------|
| F1 | 3 | 0.3333 | 0.0431 | 14.3584 | 1.1571 | 3.4713 |
| F2 | 3 | 0.3333 | 0.0536 | 17.8727 | 1.2522 | 3.7566 |
| F3 | 3 | 0.3333 | 0.1863 | 62.1067 | 1.7931 | 5.3794 |
| F4 | 3 | 0.3333 | 0.2216 | 73.8659 | 1.8684 | 5.6053 |
| F5 | 3 | 0.3333 | 0.2533 | 84.4166 | 1.9264 | 5.7793 |
| F6 | 3 | 0.3333 | 0.4470 | 148.9878 | 2.1732 | 6.5195 |
| Total | 18 | 2.0000 | 1.2048 | 401.6080 | 2.6038 | 30.5113 |
| Gabungan | | | | 66.9347 | 1.8257 | 32.8617 |

FK = 1.130
 χ^2_{hitung} = 5.412
 $\chi^2_{\text{terkoreksi}}$ = 4.791 (homogen)
 $\chi^2 (0.05)$ = 11.070

Tabel 28. Analisis sidik ragam kadar gula reduksi permen susu kedelai

| Sumber Keragaman | db | JK | KT | Fhitung | Notasi | F Tabel | |
|------------------|----|----------|---------|--------------|--------|---------|--------|
| | | | | | | 0.05 | 0.01 |
| Kelompok | 3 | 0.6868 | 0.2289 | 6.6348 | ** | 3.2874 | 5.4170 |
| Perlakuan | 5 | 176.2479 | 35.2496 | 1021.7275 | ** | 2.9013 | 4.5560 |
| Galat | 15 | 0.5181 | 0.0345 | | | | |
| Total | 23 | 177.4527 | | KK = 0.1151% | | | |

Keterangan : ** = berpengaruh sangat nyata pada taraf 1 %

* = berpengaruh nyata pada taraf 5%

tn = tidak berpengaruh nyata

Tabel 29. Uji BNT 5% kadar gula reduksi permen susu kedelai

| Perlakuan | μ | \pm | SD | Notasi |
|-----------|-------|-------|-------|--------|
| F6 | 8.705 | \pm | 0.249 | a |
| F5 | 8.177 | \pm | 0.134 | b |
| F4 | 4.982 | \pm | 0.249 | c |
| F3 | 4.169 | \pm | 0.272 | d |
| F2 | 2.751 | \pm | 0.291 | e |
| F1 | 1.193 | \pm | 0.386 | f |

Keterangan :

t (0.05) = 2.131

BNT 5% = 0.280

Tabel 30. Data skor warna permen susu kedelai

| Perlakuan | Kelompok | | | | Jumlah | Rata-rata |
|-----------|----------|--------|--------|--------|--------|-----------|
| | I | II | III | IV | | |
| F1 | 1.45 | 1.58 | 1.56 | 1.58 | 6.17 | 1.543 |
| F2 | 1.60 | 1.64 | 1.67 | 1.69 | 6.60 | 1.650 |
| F3 | 2.12 | 1.88 | 2.02 | 2.11 | 8.13 | 2.033 |
| F4 | 2.36 | 2.39 | 2.38 | 2.41 | 9.54 | 2.385 |
| F5 | 2.46 | 2.53 | 2.47 | 2.48 | 9.94 | 2.485 |
| F6 | 2.57 | 2.62 | 2.63 | 2.66 | 10.48 | 2.620 |
| Jumlah | 12.560 | 12.640 | 12.730 | 12.930 | | |
| Rata-rata | 2.093 | 1.107 | 2.122 | 2.155 | | 2.119 |

Keterangan : F1 = Sukrosa 100 % dan sirup glukosa 0 %

F2 = Sukrosa 90 % dan sirup glukosa 10 %

F3 = Sukrosa 80 % dan sirup glukosa 20 %

F4 = Sukrosa 70 % dan sirup glukosa 30 %

F5 = Sukrosa 60 % dan sirup glukosa 40 %

F6 = Sukrosa 50 % dan sirup glukosa 50 %

Tabel 31. Uji homogenitas warnapermen susu kedelai

| Perlakuan | $n-1$ | $1/n-1$ | $\sum(\bar{y}_{ij} - \bar{y}_{i.})^2$ | S^2 | $\text{Log } S^2$ | $n-1 (\text{Log } S^2)$ |
|-----------|-------|---------|---------------------------------------|---------|-------------------|-------------------------|
| F1 | 3 | 0.3333 | 0.0024 | 3.8917 | 0.5901 | 1.7704 |
| F2 | 3 | 0.3333 | 0.0014 | 1.5333 | 0.1856 | 0.5569 |
| F3 | 3 | 0.3333 | 0.0502 | 12.3583 | 1.0920 | 3.2759 |
| F4 | 3 | 0.3333 | 0.0013 | 0.4333 | -0.3632 | -1.0895 |
| F5 | 3 | 0.3333 | 0.0014 | 0.9667 | -0.0147 | -0.0441 |
| F6 | 3 | 0.3333 | 0.0042 | 1.4000 | 0.1461 | 0.4384 |
| Total | 18 | 2.0000 | 0.0609 | 20.5833 | 1.3135 | 4.9079 |
| Gabungan | | | | 3.4306 | 0.5354 | 9.6366 |

FK = 1.230
 χ^2_{hitung} = 10.888
 $\chi^2_{\text{terkoreksi}}$ = 9.639 (homogen)
 $\chi^2 (0.05)$ = 11.070

Tabel 32. Analisis sidik ragam warnapermen susu kedelai

| Sumber Keragaman | db | JK | KT | Fhitung | Notasi | F Tabel | |
|------------------|----|--------|--------|---------------|--------|---------|--------|
| | | | | | | 0.05 | 0.01 |
| Kelompok | 3 | 0.0127 | 0.0042 | 1.2727 | tn | 3.2874 | 5.4170 |
| Perlakuan | 5 | 4.0620 | 0.8124 | 246.1818 | ** | 2.9013 | 4.5560 |
| Galat | 15 | 0.0491 | 0.0033 | | | | |
| Total | 23 | 4.1238 | | KK = 0.1125 % | | | |

Keterangan : ** = berpengaruh sangat nyata pada taraf 1 %
 * = berpengaruh nyata pada taraf 5%
 tn = tidak berpengaruh nyata

Tabel 33. Uji BNT 5% warnapermen susu kedelai

| Perlakuan | μ | \pm | SD | Notasi |
|-----------|-------|-------|-------|--------|
| F6 | 2.620 | \pm | 0.037 | a |
| F5 | 2.485 | \pm | 0.031 | b |
| F4 | 2.385 | \pm | 0.021 | c |
| F3 | 2.033 | \pm | 0.111 | d |
| F2 | 1.650 | \pm | 0.039 | e |
| F1 | 1.543 | \pm | 0.062 | f |

Keterangan :
 $t (0.05)$ = 2.131
 BNT 5% = 0.465

Tabel 34. Data skor aroma permen susu kedelai

| Perlakuan | Kelompok | | | | Jumlah | Rata-rata |
|-----------|----------|--------|--------|--------|--------|-----------|
| | I | II | III | IV | | |
| F1 | 1.96 | 2.00 | 2.24 | 2.32 | 8.52 | 2.130 |
| F2 | 2.00 | 2.20 | 2.40 | 2.36 | 8.96 | 2.240 |
| F3 | 1.84 | 2.48 | 2.08 | 2.40 | 8.80 | 2.200 |
| F4 | 2.56 | 2.08 | 2.32 | 2.32 | 9.28 | 2.320 |
| F5 | 2.28 | 2.24 | 2.36 | 2.48 | 9.36 | 2.340 |
| F6 | 2.36 | 2.20 | 2.56 | 2.08 | 9.20 | 2.300 |
| Jumlah | 13.000 | 13.200 | 13.960 | 13.960 | | |
| Rata-rata | 2.167 | 2.200 | 2.327 | 2.327 | | 2.255 |

Keterangan : F1 = Sukrosa 100 % dan sirup glukosa 0 %
 F2 = Sukrosa 90 % dan sirup glukosa 10 %
 F3 = Sukrosa 80 % dan sirup glukosa 20 %
 F4 = Sukrosa 70 % dan sirup glukosa 30 %
 F5 = Sukrosa 60 % dan sirup glukosa 40 %
 F6 = Sukrosa 50 % dan sirup glukosa 50 %

Tabel 35. Uji homogenitas aromapermen susu kedelai

| Perlakuan | n-1 | $1/n-1$ | $\sum (y_{ij} - \bar{y}_{i.})^2$ | S^2 | $\text{Log } S^2$ | n-1 (Log S2) |
|-----------|-----|---------|----------------------------------|----------|-------------------|--------------|
| F1 | 3 | 0.3333 | 0.0940 | 31.3333 | 1.4960 | 4.4880 |
| F2 | 3 | 0.3333 | 0.0992 | 33.0667 | 1.5194 | 4.5581 |
| F3 | 3 | 0.3333 | 0.2624 | 87.4667 | 1.9418 | 5.8255 |
| F4 | 3 | 0.3333 | 0.1152 | 38.4000 | 1.5843 | 4.7529 |
| F5 | 3 | 0.3333 | 0.0336 | 11.2000 | 1.0492 | 3.1476 |
| F6 | 3 | 0.3333 | 0.1296 | 43.2000 | 1.6354 | 4.9064 |
| Total | 18 | 2.0000 | 0.7340 | 244.6667 | 2.3885 | 27.6788 |
| Gabungan | | | 0.7340 | 40.7778 | 1.6104 | 28.9876 |

FK = 1.130
 χ^2_{hitung} = 3.0137
 $\chi^2_{\text{terkoreksi}}$ = 2.668 (homogen)
 $\chi^2 (0.05)$ = 11.070

Tabel 36. Analisis sidik ragam aromapermen susu kedelai

| Sumber Keragaman | db | JK | KT | Fhitung | Notasi | F Tabel | |
|------------------|----|--------|--------|---------------|--------|---------|--------|
| | | | | | | 0.05 | 0.01 |
| Kelompok | 3 | 0.1266 | 0.0422 | 1.0420 | tn | 3.2874 | 5.4170 |
| Perlakuan | 5 | 0.1294 | 0.0259 | 0.6395 | tn | 2.9013 | 4.5560 |
| Galat | 15 | 0.6074 | 0.0405 | | | | |
| Total | 23 | 0.8634 | | KK = 1.4874 % | | | |

Keterangan : ** = berpengaruh sangat nyata pada taraf 1 %

* = berpengaruh nyata pada taraf 5%

tn = tidak berpengaruh nyata

Tabel 37. Data skor rasa permen susu kedelai

| Perlakuan | Kelompok | | | | Jumlah | Rata-rata |
|-----------|----------|--------|--------|--------|--------|-----------|
| | I | II | III | IV | | |
| F1 | 3.46 | 3.54 | 3.48 | 3.57 | 14.05 | 3.513 |
| F2 | 3.36 | 3.47 | 3.44 | 3.37 | 13.64 | 3.410 |
| F3 | 3.31 | 3.30 | 3.40 | 3.36 | 13.37 | 3.342 |
| F4 | 3.16 | 3.28 | 3.24 | 3.19 | 12.87 | 3.218 |
| F5 | 3.19 | 3.02 | 3.12 | 3.15 | 12.48 | 3.120 |
| F6 | 3.11 | 2.80 | 3.02 | 3.17 | 12.10 | 3.025 |
| Jumlah | 19.590 | 19.410 | 19.700 | 19.810 | | |
| Rata-rata | 3.265 | 3.235 | 3.283 | 3.302 | | 3.271 |

Keterangan : F1 = Sukrosa 100 % dan sirup glukosa 0 %

F2 = Sukrosa 90 % dan sirup glukosa 10 %

F3 = Sukrosa 80 % dan sirup glukosa 20 %

F4 = Sukrosa 70 % dan sirup glukosa 30 %

F5 = Sukrosa 60 % dan sirup glukosa 40 %

F6 = Sukrosa 50 % dan sirup glukosa 50 %

Tabel 38. Uji homogenitas rasa permensusu kedelai

| Perlakuan | $n-1$ | $1/n-1$ | $\sum(\bar{y}_{ij} - \bar{y}_{i.})^2$ | S^2 | $\text{Log } S^2$ | $n-1 (\text{Log } S^2)$ |
|-----------|-------|---------|---------------------------------------|---------|-------------------|-------------------------|
| F1 | 3 | 0.3333 | 0.0079 | 2.6250 | 0.4191 | 1.2574 |
| F2 | 3 | 0.3333 | 0.0086 | 2.8667 | 0.4574 | 1.3721 |
| F3 | 3 | 0.3333 | 0.0065 | 2.1583 | 0.3341 | 1.0024 |
| F4 | 3 | 0.3333 | 0.0085 | 2.8250 | 0.4510 | 1.3531 |
| F5 | 3 | 0.3333 | 0.0158 | 5.2667 | 0.7215 | 2.1646 |
| F6 | 3 | 0.3333 | 0.0789 | 26.3000 | 1.4110 | 4.2599 |
| Total | 18 | 2.0000 | 0.1261 | 42.0417 | 1.6237 | 11.4094 |
| Gabungan | | | | 7.0069 | 0.8455 | 15.2195 |

$FK = 1.130$
 $\chi^2_{hitung} = 8.773$
 $\chi^2_{terkoreksi} = 7.766$ (homogen)
 $\chi^2(0.05) = 11.070$

Tabel 39. Analisis sidik ragam rasapermen susu kedelai

| Sumber Keragaman | db | JK | KT | Fhitung | Notasi | F Tabel | |
|------------------|----|--------|---------------|---------|--------|---------|--------|
| | | | | | | 0.05 | 0.01 |
| Kelompok | 3 | 0.0145 | 0.0048 | 0.6486 | tn | 3.2874 | 5.4170 |
| Perlakuan | 5 | 0.6757 | 0.1351 | 18.2568 | ** | 2.960 | 4.690 |
| Galat | 15 | 0.1116 | 0.0074 | | | | |
| Total | 23 | 0.8019 | KK = 0.4383 % | | | | |

Keterangan : ** = berpengaruh sangat nyata pada taraf 1 %

* = berpengaruh nyata pada taraf 5%

tn = tidak berpengaruh nyata

Tabel 40. Uji BNT 5% rasapermen susu kedelai

| Perlakuan | μ | \pm | SD | Notasi |
|-----------|-------|-------|-------|--------|
| F1 | 3.513 | \pm | 0.051 | a |
| F2 | 3.410 | \pm | 0.054 | ab |
| F3 | 3.343 | \pm | 0.046 | bc |
| F4 | 3.218 | \pm | 0.053 | cd |
| F5 | 3.120 | \pm | 0.073 | de |
| F6 | 3.025 | \pm | 0.162 | ef |

Keterangan :

$t(0.05) = 2.131$

BNT 5% = 0.130

Tabel 41. Data skor tekstur permen susu kedelai

| Perlakuan | Kelompok | | | | Jumlah | Rata-rata |
|-----------|----------|--------|--------|--------|--------|-----------|
| | I | II | III | IV | | |
| F1 | 1.52 | 1.60 | 2.20 | 1.28 | 6.60 | 1.650 |
| F2 | 1.52 | 2.64 | 2.48 | 2.36 | 9.00 | 2.250 |
| F3 | 3.36 | 2.80 | 2.40 | 2.08 | 10.64 | 2.660 |
| F4 | 3.04 | 3.48 | 2.84 | 2.36 | 11.72 | 2.930 |
| F5 | 3.84 | 3.44 | 2.88 | 2.80 | 12.96 | 3.240 |
| F6 | 3.52 | 3.56 | 3.40 | 3.76 | 14.24 | 3.560 |
| Jumlah | 16.800 | 17.520 | 16.200 | 14.640 | | |
| Rata-rata | 2.800 | 2.920 | 2.700 | 2.440 | | 2.715 |

Keterangan : F1 = Sukrosa 100 % dan sirup glukosa 0 %
 F2 = Sukrosa 90 % dan sirup glukosa 10 %
 F3 = Sukrosa 80 % dan sirup glukosa 20 %
 F4 = Sukrosa 70 % dan sirup glukosa 30 %
 F5 = Sukrosa 60 % dan sirup glukosa 40 %
 F6 = Sukrosa 50 % dan sirup glukosa 50 %

Tabel 42. Uji homogenitas teksturpermen susu kedelai

| Perlakuan | n-1 | 1/n-1 | $\sum(\bar{y}_{ij} - \bar{y}_{i.})^2$ | S ² | Log S ² | n-1 (Log S2) |
|-----------|-----|--------|---------------------------------------|----------------|--------------------|--------------|
| F1 | 3 | 0.3333 | 0.4588 | 152.9333 | 2.1845 | 6.5535 |
| F2 | 3 | 0.3333 | 0.9136 | 304.5333 | 2.4836 | 7.4509 |
| F3 | 3 | 0.3333 | 0.7500 | 250.0000 | 2.3979 | 7.1938 |
| F4 | 3 | 0.3333 | 0.6476 | 215.8667 | 2.3342 | 7.0026 |
| F5 | 3 | 0.3333 | 0.7232 | 241.0667 | 2.3821 | 7.1464 |
| F6 | 3 | 0.3333 | 0.0672 | 22.4000 | 1.3502 | 4.0507 |
| Total | 18 | 2.0000 | 3.5604 | 1186.8000 | 3.0744 | 39.3979 |
| Gabungan | | | | 197.8000 | 2.2962 | 41.3321 |

FK = 1.130
 χ^2_{hitung} = 4.454
 $\chi^2_{terkoreksi}$ = 3.942 (homogen)
 $\chi^2(0.05)$ = 11.070

Tabel 43. Analisis sidik ragam teksturpermen susu kedelai

| Sumber Keragaman | db | JK | KT | Fhitung | Notasi | F Tabel | |
|------------------|----|---------|--------|---------------|--------|---------|--------|
| | | | | | | 0.05 | 0.01 |
| Kelompok | 3 | 0.7506 | 0.2502 | 1.3358 | tn | 3.2874 | 5.4170 |
| Perlakuan | 5 | 9.5574 | 1.9115 | 10.2056 | ** | 2.9013 | 4.5560 |
| Galat | 15 | 2.8098 | 0.1873 | | | | |
| Total | 23 | 13.1178 | | KK = 2.6567 % | | | |

Keterangan : ** = berpengaruh sangat nyata pada taraf 1 %

* = berpengaruh nyata pada taraf 5%

tn = tidak berpengaruh nyata

Tabel 44. Uji BNT 5% teksturpermen susu kedelai

| Perlakuan | μ | \pm | SD | Notasi |
|-----------|-------|-------|-------|--------|
| F6 | 3.560 | \pm | 0.150 | a |
| F5 | 3.240 | \pm | 0.491 | ab |
| F4 | 2.930 | \pm | 0.465 | abc |
| F3 | 2.660 | \pm | 0.552 | bcd |
| F2 | 2.250 | \pm | 0.500 | de |
| F1 | 1.650 | \pm | 0.391 | ef |

Keterangan :

t (0.05) = 2.131

BNT 5% = 0.652

Tabel 45. Data skor penerimaan keseluruhan permen susu kedelai

| Perlakuan | Kelompok | | | | Jumlah | Rata-rata |
|-----------|----------|--------|--------|--------|--------|-----------|
| | I | II | III | IV | | |
| F1 | 2.54 | 2.56 | 2.60 | 2.48 | 10.18 | 2.545 |
| F2 | 2.60 | 2.67 | 2.64 | 2.59 | 10.50 | 2.625 |
| F3 | 2.88 | 2.85 | 2.87 | 2.89 | 11.49 | 2.873 |
| F4 | 2.91 | 2.93 | 2.94 | 2.95 | 11.73 | 2.933 |
| F5 | 3.02 | 3.07 | 3.03 | 3.06 | 12.18 | 3.045 |
| F6 | 2.22 | 2.29 | 2.31 | 2.18 | 9.00 | 2.250 |
| Jumlah | 15.470 | 15.580 | 15.830 | 15.320 | | |
| Rata-rata | 2.583 | 2.597 | 2.638 | 2.553 | | 2.592 |

Keterangan : F1 = Sukrosa 100 % dan sirup glukosa 0 %

F2 = Sukrosa 90 % dan sirup glukosa 10 %

F3 = Sukrosa 80 % dan sirup glukosa 20 %

F4 = Sukrosa 70 % dan sirup glukosa 30 %

F5 = Sukrosa 60 % dan sirup glukosa 40 %

F6 = Sukrosa 50 % dan sirup glukosa 50 %

Tabel 46. Uji homogenitas penerimaan keseluruhanpermen susu kedelai

| Perlakuan | $n-1$ | $1/n-1$ | $\sum (\bar{y}_{ij} - \bar{y}_{i.})^2$ | S^2 | $\text{Log } S^2$ | $n-1 (\text{Log } S^2)$ |
|-----------|-------|---------|--|----------|-------------------|-------------------------|
| F1 | 3 | 0.3333 | 0.0075 | 2.5 | 0.39794 | 1.19382 |
| F2 | 3 | 0.3333 | 0.0041 | 1.366667 | 0.135663 | 0.406988 |
| F3 | 3 | 0.3333 | 0.000875 | 0.291667 | -0.53511 | -1.60534 |
| F4 | 3 | 0.3333 | 0.000875 | 0.291667 | -0.53511 | -1.60534 |
| F5 | 3 | 0.3333 | 0.0017 | 0.566667 | -0.24667 | -0.74002 |
| F6 | 3 | 0.3333 | 0.011 | 3.666667 | 0.564271 | 1.692814 |
| Total | 18 | 2.0000 | 0.0261 | 8.6833 | 0.9387 | -0.6571 |
| Gabungan | | | | 1.4472 | 0.1605 | 2.8896 |

FK = 1.130
 χ^2_{hitung} = 8.167
 $\chi^2_{\text{terkoreksi}}$ = 7.229 (homogen)
 $\chi^2 (0.05)$ = 11.070

Tabel 47. Analisis sidik ragam penerimaan keseluruhanpermen susu kedelai

| Sumber Keragaman | db | JK | KT | Fhitung | Notasi | F Tabel | |
|------------------|----|--------|--------|---------------|--------|---------|--------|
| | | | | | | 0.05 | 0.01 |
| Kelompok | 3 | 0.0081 | 0.0027 | 2.2500 | tn | 3.2874 | 5.4170 |
| Perlakuan | 5 | 1.7367 | 0.3473 | 289.4167 | ** | 2.9013 | 4.5560 |
| Galat | 15 | 0.0179 | 0.0012 | | | | |
| Total | 23 | 1.0989 | | KK = 0.2124 % | | | |

Keterangan : ** = berpengaruh sangat nyata pada taraf 1 %

* = berpengaruh nyata pada taraf 5%

tn = tidak berpengaruh nyata

Tabel 48. Uji BNT 5% penerimaan keseluruhanpermen susu kedelai

| Perlakuan | μ | \pm | SD | Notasi |
|-----------|-------|-------|-------|--------|
| F5 | 3.045 | \pm | 0.013 | a |
| F4 | 2.933 | \pm | 0.128 | b |
| F3 | 2.873 | \pm | 0.022 | c |
| F2 | 2.625 | \pm | 0.020 | d |
| F1 | 2.545 | \pm | 0.073 | e |
| F6 | 2.250 | \pm | 0.090 | f |

Keterangan :

t (0.05) = 2.131

BNT 5% = 0.103