

Lampiran 2a

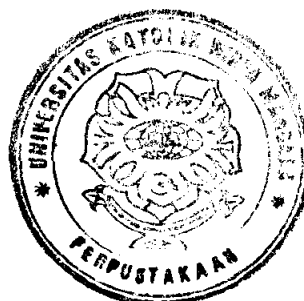
Hasil Pengamatan Gula Reduksi Manisan Ubi Jalar

| Kombinasi Perlakuan | | Kelompok | | | Rata-rata (%) |
|---------------------|-----------|----------|--------|--------|---------------|
| Suhu (°C) | Lama(jam) | I (%) | II (%) | III(%) | |
| 50 | 6 | 31,06 | 31,37 | 31,19 | 31,21 |
| | 5,5 | 29,84 | 29,85 | 29,44 | 29,71 |
| | 5 | 28,15 | 28,38 | 28,48 | 28,34 |
| 55 | 6 | 41,53 | 41,49 | 41,91 | 41,64 |
| | 5,5 | 40,22 | 39,41 | 39,20 | 39,61 |
| | 5 | 38,30 | 38,85 | 38,44 | 38,53 |
| 60 | 6 | 46,90 | 46,83 | 47,16 | 46,96 |
| | 5,5 | 45,97 | 45,95 | 46,22 | 46,05 |
| | 5 | 43,73 | 43,61 | 43,86 | 43,73 |

Lampiran 2b

Analisa Sidik Ragam Gula Reduksi Manisan Ubi Jalar

| Sumber Variasi | db | JK | KT | F hitung | F Tabel | |
|---------------------|----|-----------|----------|-------------|---------|------|
| | | | | | 5 % | 1 % |
| Kelompok Perlakuan: | 2 | 0,0025 | 0,0012 | 0,016 | 3,63 | 6,23 |
| A | 2 | 1158,3409 | 579,1705 | 7722,2733** | | |
| B | 2 | 42,4598 | 21,2299 | 283,0653** | | |
| AB | 4 | 1,5215 | 0,3804 | 5,072* | 3,01 | 4,77 |
| Galat | 16 | 1,2007 | 0,0750 | | | |
| Total | 26 | | | | | |



Lampiran 3a

Hasil Pengamatan Kadar Air Manisan Ubi Jalar

| Kombinasi Perlakuan | | Kelompok | | | Rata-rata (%) |
|---------------------|-----------|----------|--------|--------|---------------|
| Suhu (°C) | Lama(jam) | I (%) | II (%) | III(%) | |
| 50 | 6 | 22,21 | 22,02 | 22,62 | 22,28 |
| | 5,5 | 23,52 | 23,42 | 23,26 | 23,40 |
| | 5 | 24,21 | 24,88 | 24,45 | 24,51 |
| 55 | 6 | 19,41 | 19,10 | 19,32 | 19,28 |
| | 5,5 | 20,45 | 20 | 20,24 | 20,23 |
| | 5 | 21,18 | 20,69 | 21,45 | 21,11 |
| 60 | 6 | 16,71 | 16,38 | 16,66 | 16,58 |
| | 5,5 | 17,04 | 17 | 17,05 | 17,03 |
| | 5 | 18,22 | 18,48 | 18,46 | 18,39 |

Lampiran 3b

Analisa Sidik Ragam Kadar Air Manisan Ubi Jalar

| Sumber Variasi | db | JK | KT | F hitung | F Tabel | |
|---------------------|----|----------|---------|-------------|---------|------|
| | | | | | 5 % | 1 % |
| Kelompok Perlakuan: | 2 | 0,1351 | 0,0676 | 1,2381 | 3,63 | 6,23 |
| A | 2 | 165,7162 | 82,8581 | 1517,5476** | | |
| B | 2 | 17,3042 | 8,6521 | 158,4634** | | |
| AB | 4 | 0,4735 | 0,1184 | 2,1685 | 3,01 | 4,77 |
| Galat | 16 | 0,8735 | 0,0546 | | | |
| Total | 26 | | | | | |

Lampiran 4a

Hasil Pengamatan Aktivitas Air Manisan Ubi Jalar

| Kombinasi Perlakuan | | Kelompok | | | Rata-rata (%) |
|---------------------|-----------|----------|--------|--------|---------------|
| Suhu (°C) | Lama(jam) | I (%) | II (%) | III(%) | |
| 50 | 6 | 0,58 | 0,59 | 0,59 | 0,59 |
| | 5,5 | 0,59 | 0,60 | 0,60 | 0,60 |
| | 5 | 0,65 | 0,66 | 0,65 | 0,65 |
| 55 | 6 | 0,54 | 0,53 | 0,53 | 0,53 |
| | 5,5 | 0,57 | 0,57 | 0,56 | 0,57 |
| | 5 | 0,61 | 0,60 | 0,62 | 0,61 |
| 60 | 6 | 0,52 | 0,50 | 0,51 | 0,51 |
| | 5,5 | 0,53 | 0,52 | 0,52 | 0,52 |
| | 5 | 0,58 | 0,57 | 0,59 | 0,58 |

Lampiran 4b

Analisa Sidik Ragam Aktivitas Air Manisan Ubi Jalar

| Sumber Variasi | db | JK | KT | F hitung | F Tabel | |
|---------------------|----|------------------------|------------------------|------------|---------|------|
| | | | | | 5 % | 1 % |
| Kelompok Perlakuan: | 2 | $6,6667 \cdot 10^{-5}$ | $3,3334 \cdot 10^{-5}$ | 0,5714 | 3,63 | 6,23 |
| A | 2 | 0,0251 | 0,0126 | 216,0012** | | |
| B | 2 | 0,0244 | 0,0122 | 209,1441** | | |
| AB | 4 | $5 \cdot 10^{-4}$ | $1,25 \cdot 10^{-4}$ | 2,1429 | 3,01 | 4,77 |
| Galat | 16 | $9,3333 \cdot 10^{-4}$ | $5,8333 \cdot 10^{-5}$ | | | |
| Total | 26 | | | | | |

Lampiran 5a

Hasil Pengamatan Organoleptik Rasa Manisan Ubi Jalar

| Panelis | Sampel | | | | | | | | |
|-----------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | S ₁ L ₁ | S ₁ L ₂ | S ₁ L ₃ | S ₂ L ₁ | S ₂ L ₂ | S ₂ L ₃ | S ₃ L ₁ | S ₃ L ₂ | S ₃ L ₃ |
| 1 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 6 | 7 |
| 2 | 8 | 4 | 6 | 3 | 6 | 6 | 6 | 6 | 7 |
| 3 | 3 | 4 | 3 | 4 | 7 | 6 | 6 | 6 | 7 |
| 4 | 3 | 4 | 6 | 5 | 6 | 6 | 6 | 6 | 7 |
| 5 | 6 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 4 |
| 6 | 3 | 3 | 7 | 7 | 7 | 6 | 6 | 5 | 6 |
| 7 | 7 | 6 | 7 | 5 | 6 | 4 | 5 | 6 | 6 |
| 8 | 7 | 7 | 7 | 6 | 6 | 5 | 6 | 7 | 7 |
| 9 | 8 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 7 |
| 10 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 5 | 7 |
| 11 | 7 | 6 | 5 | 5 | 6 | 4 | 3 | 5 | 4 |
| 12 | 5 | 7 | 3 | 3 | 5 | 4 | 4 | 3 | 3 |
| 13 | 6 | 4 | 4 | 3 | 3 | 1 | 4 | 8 | 9 |
| 14 | 9 | 7 | 8 | 5 | 5 | 7 | 7 | 2 | 4 |
| 15 | 7 | 3 | 5 | 3 | 2 | 1 | 1 | 5 | 5 |
| 16 | 7 | 7 | 5 | 6 | 7 | 6 | 7 | 2 | 6 |
| 17 | 6 | 4 | 4 | 4 | 3 | 3 | 2 | 7 | 4 |
| 18 | 6 | 6 | 4 | 6 | 6 | 7 | 6 | 4 | 6 |
| 19 | 5 | 2 | 2 | 2 | 6 | 5 | 4 | 6 | 7 |
| 20 | 5 | 6 | 6 | 6 | 7 | 7 | 6 | 4 | 3 |
| 21 | 7 | 9 | 8 | 6 | 7 | 6 | 6 | 8 | 8 |
| 22 | 8 | 8 | 8 | 6 | 2 | 4 | 6 | 8 | 3 |
| 23 | 4 | 6 | 7 | 4 | 7 | 6 | 7 | 3 | 3 |
| 24 | 9 | 7 | 7 | 7 | 7 | 5 | 9 | 8 | 7 |
| 25 | 7 | 5 | 5 | 9 | 7 | 8 | 8 | 8 | 7 |
| 26 | 3 | 3 | 4 | 5 | 3 | 4 | 3 | 6 | 7 |
| 27 | 7 | 7 | 6 | 4 | 8 | 4 | 3 | 9 | 8 |
| 28 | 6 | 7 | 6 | 7 | 7 | 8 | 8 | 4 | 7 |
| 29 | 7 | 5 | 6 | 3 | 3 | 6 | 7 | 7 | 8 |
| 30 | 7 | 7 | 6 | 7 | 5 | 6 | 7 | 4 | 7 |
| Rata-rata | 6,27 | 5,73 | 5,77 | 5,27 | 5,7 | 5,43 | 5,67 | 5,73 | 6,17 |

Lampiran 5b

Analisa Sidik Ragam Organoleptik Rasa Manisan Ubi Jalar

| Sumber Variasi | db | JK | KT | F hitung | F Tabel | |
|----------------|-----|----------|---------|----------|---------|------|
| | | | | | 5 % | 1 % |
| Panelis | 29 | 339,8852 | 11,7202 | 3,4592 | 1,46 | 1,70 |
| Perlakuan: | | | | | | |
| A | 2 | 10,3185 | 5,1593 | 1,5228 | 3,00 | 4,61 |
| B | 2 | 0,3852 | 0,1926 | 0,0568 | 3,00 | 4,61 |
| AB | 4 | 13,5926 | 3,3982 | 1,0030 | 2,37 | 3,32 |
| Galat | 232 | 786,0333 | 3,3881 | | | |
| Total | 269 | | | | | |

Lampiran 6a

Hasil Pengamatan Organoleptik Tekstur Manisan Ubi Jalar

| Panelis | Sampel | | | | | | | | |
|-----------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | S ₁ L ₁ | S ₁ L ₂ | S ₁ L ₃ | S ₂ L ₁ | S ₂ L ₂ | S ₂ L ₃ | S ₃ L ₁ | S ₃ L ₂ | S ₃ L ₃ |
| 1 | 7 | 7 | 8 | 3 | 5 | 7 | 5 | 4 | 3 |
| 2 | 7 | 6 | 4 | 6 | 6 | 7 | 3 | 6 | 6 |
| 3 | 5 | 4 | 3 | 6 | 5 | 6 | 2 | 2 | 7 |
| 4 | 3 | 3 | 5 | 2 | 1 | 1 | 1 | 1 | 2 |
| 5 | 7 | 6 | 8 | 5 | 5 | 6 | 5 | 4 | 5 |
| 6 | 6 | 7 | 7 | 3 | 4 | 4 | 3 | 3 | 3 |
| 7 | 6 | 7 | 7 | 6 | 7 | 7 | 5 | 6 | 5 |
| 8 | 8 | 7 | 7 | 3 | 6 | 2 | 6 | 4 | 3 |
| 9 | 7 | 6 | 7 | 5 | 5 | 6 | 7 | 7 | 5 |
| 10 | 8 | 8 | 8 | 6 | 5 | 6 | 6 | 7 | 5 |
| 11 | 5 | 5 | 7 | 4 | 6 | 6 | 7 | 5 | 7 |
| 12 | 4 | 6 | 5 | 3 | 5 | 4 | 3 | 3 | 4 |
| 13 | 5 | 4 | 4 | 5 | 2 | 2 | 2 | 3 | 1 |
| 14 | 9 | 8 | 8 | 3 | 6 | 6 | 3 | 2 | 6 |
| 15 | 7 | 3 | 5 | 1 | 2 | 4 | 3 | 2 | 1 |
| 16 | 5 | 5 | 5 | 6 | 7 | 4 | 5 | 5 | 4 |
| 17 | 8 | 6 | 6 | 3 | 3 | 4 | 4 | 3 | 3 |
| 18 | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 6 | 4 |
| 19 | 6 | 7 | 7 | 3 | 2 | 2 | 3 | 4 | 2 |
| 20 | 7 | 7 | 7 | 4 | 2 | 2 | 3 | 2 | 3 |
| 21 | 3 | 8 | 7 | 6 | 3 | 3 | 4 | 5 | 6 |
| 22 | 9 | 8 | 8 | 5 | 6 | 7 | 3 | 3 | 4 |
| 23 | 7 | 4 | 3 | 3 | 2 | 2 | 1 | 2 | 2 |
| 24 | 7 | 8 | 8 | 7 | 6 | 7 | 2 | 3 | 4 |
| 25 | 7 | 6 | 6 | 8 | 8 | 7 | 8 | 7 | 8 |
| 26 | 4 | 7 | 8 | 7 | 6 | 5 | 7 | 8 | 6 |
| 27 | 8 | 8 | 6 | 9 | 9 | 8 | 8 | 7 | 4 |
| 28 | 7 | 6 | 4 | 6 | 4 | 6 | 4 | 3 | 5 |
| 29 | 4 | 5 | 6 | 3 | 6 | 3 | 4 | 3 | 6 |
| 30 | 6 | 5 | 5 | 5 | 7 | 5 | 6 | 6 | 4 |
| Rata-rata | 6,27 | 6,10 | 6,07 | 4,63 | 4,80 | 4,73 | 4,20 | 4,20 | 4,27 |

Lampiran 6b

Analisa Sidik Ragam Organoleptik Tekstur Manisan Ubi Jalar

| Sumber Variasi | db | JK | KT | F hitung | F Tabel | |
|----------------|-----|----------|---------|-----------|---------|------|
| | | | | | 5 % | 1 % |
| Panelis | 29 | 417,7630 | 14,4056 | 3,8435 | 1,46 | 1,70 |
| Perlakuan: | | | | | | |
| A | 2 | 179,0297 | 89,5149 | 23,8834** | 3,00 | 4,61 |
| B | 2 | 0,0074 | 0,0037 | 0,0010 | 3,00 | 4,61 |
| AB | 4 | 1,1926 | 0,2982 | 0,0796 | 2,37 | 3,32 |
| Galat | 232 | 869,5333 | 3,7480 | | | |
| Total | 269 | | | | | |

Lampiran 7a

Hasil Pengamatan Organoleptik Warna Manisan Ubi Jalar

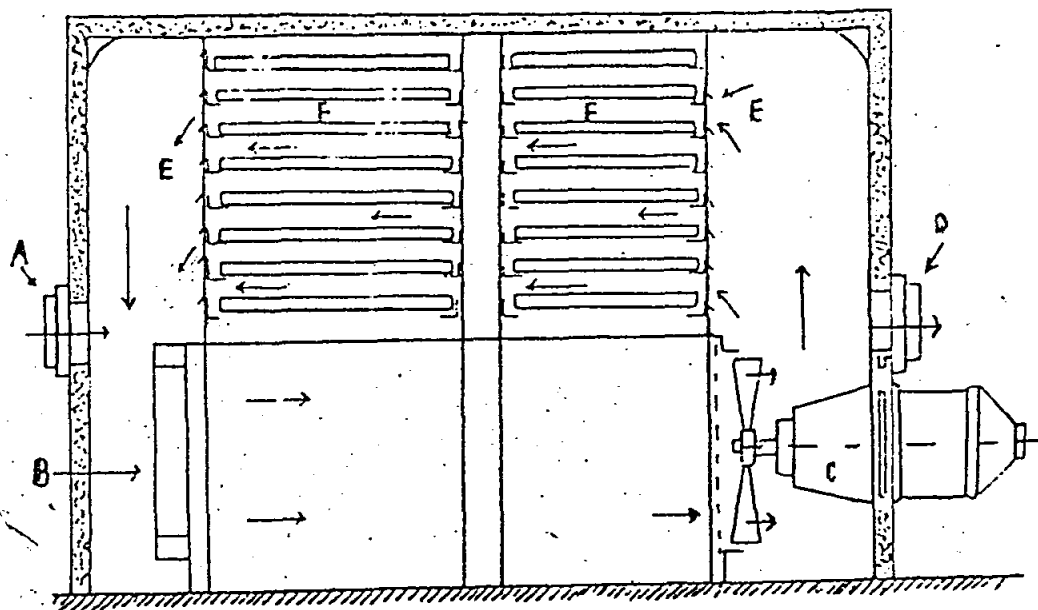
| Panelis | Sampel | | | | | | | | |
|-----------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | S ₁ L ₁ | S ₁ L ₂ | S ₁ L ₃ | S ₂ L ₁ | S ₂ L ₂ | S ₂ L ₃ | S ₃ L ₁ | S ₃ L ₂ | S ₃ L ₃ |
| 1 | 7 | 8 | 3 | 7 | 3 | 6 | 6 | 7 | 5 |
| 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 3 | 5 | 5 | 6 | 2 | 7 | 6 | 7 | 8 | 7 |
| 4 | 4 | 3 | 2 | 6 | 7 | 5 | 6 | 5 | 3 |
| 5 | 5 | 5 | 5 | 5 | 7 | 6 | 6 | 6 | 7 |
| 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 4 | 5 | 9 | 3 | 8 | 8 | 2 |
| 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 7 | 7 |
| 9 | 6 | 6 | 5 | 5 | 8 | 6 | 8 | 5 | 5 |
| 10 | 8 | 9 | 8 | 9 | 7 | 8 | 8 | 9 | 8 |
| 11 | 5 | 6 | 5 | 5 | 6 | 6 | 7 | 7 | 5 |
| 12 | 5 | 7 | 5 | 7 | 6 | 8 | 3 | 5 | 5 |
| 13 | 6 | 5 | 3 | 5 | 4 | 2 | 2 | 3 | 5 |
| 14 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 15 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 16 | 5 | 5 | 4 | 5 | 5 | 4 | 6 | 7 | 6 |
| 17 | 6 | 8 | 7 | 7 | 7 | 8 | 7 | 7 | 6 |
| 18 | 7 | 4 | 4 | 7 | 7 | 7 | 7 | 4 | 7 |
| 19 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 5 |
| 20 | 6 | 6 | 5 | 6 | 5 | 6 | 6 | 4 | 5 |
| 21 | 7 | 9 | 8 | 6 | 7 | 6 | 4 | 4 | 3 |
| 22 | 8 | 6 | 8 | 8 | 8 | 8 | 8 | 6 | 8 |
| 23 | 7 | 8 | 4 | 7 | 7 | 6 | 3 | 3 | 3 |
| 24 | 7 | 6 | 6 | 7 | 8 | 7 | 6 | 7 | 8 |
| 25 | 7 | 5 | 5 | 9 | 7 | 8 | 8 | 8 | 7 |
| 26 | 6 | 6 | 5 | 6 | 7 | 7 | 7 | 8 | 7 |
| 27 | 6 | 5 | 8 | 9 | 7 | 4 | 3 | 4 | 4 |
| 28 | 7 | 6 | 7 | 7 | 6 | 5 | 6 | 7 | 5 |
| 29 | 8 | 6 | 7 | 7 | 6 | 3 | 8 | 7 | 6 |
| 30 | 6 | 5 | 5 | 7 | 7 | 5 | 5 | 6 | 7 |
| Rata-rata | 6,30 | 6,13 | 5,47 | 6,40 | 6,50 | 5,80 | 6,07 | 6,10 | 5,67 |

Lampiran 7b

Analisa Sidik Ragam Organoleptik Warna Manisan Ubi Jalar

| Sumber Variasi | db | JK | KT | F hitung | F Tabel | |
|----------------|-----|----------|---------|----------|---------|------|
| | | | | | 5 % | 1 % |
| Panelis | 29 | 304,5963 | 10,5033 | 6,4915 | 1,46 | 1,70 |
| Perlakuan: | | | | | | |
| A | 2 | 4,6519 | 2,3260 | 1,4376 | 3,00 | 4,61 |
| B | 2 | 22,0074 | 11,0037 | 6,8008 * | 3,00 | 4,61 |
| AB | 4 | 1,7481 | 0,4370 | 0,2701 | 2,37 | 3,32 |
| Galat | 232 | 375,3704 | 1,6180 | | | |
| Total | 269 | | | | | |

Lampiran 8
Alat Pengering Kabinet Dryer



- A = Tempat udara masuk
- B = Alat pemanas (heater)
- C = Kipas (fan)
- D = Tempat keluar uap air
- E = Arah aliran udara panas
- F = Rak (tray)

