

# LAMPIRAN



**Lampiran 01. Data statistik kandungan alkohol dan kadar air daging buah durian selama penyimpanan.**

Tabel 04. Data konsentrasi alkohol (%) pada lama penyimpanan yang berbeda.

| Ulangan   | Perlakuan      |                |                |                |
|-----------|----------------|----------------|----------------|----------------|
|           | P <sub>0</sub> | P <sub>1</sub> | P <sub>2</sub> | P <sub>3</sub> |
| 1         | 0,5194         | 0,7394         | 0,6914         | 0,3702         |
| 2         | 0,5264         | 0,7469         | 0,7140         | 0,3703         |
| 3         | 0,5026         | 0,7022         | 0,6745         | 0,3610         |
| Jumlah    | 1,5484         | 2,1885         | 2,0799         | 1,1015         |
| Rata-rata | 0,5161         | 0,7295         | 0,6993         | 0,3672         |

Tabel 05. Data kadar air (%) daging buah durian pada lama penyimpanan yang berbeda.

| Ulangan   | Perlakuan      |                |                |                |
|-----------|----------------|----------------|----------------|----------------|
|           | P <sub>0</sub> | P <sub>1</sub> | P <sub>2</sub> | P <sub>3</sub> |
| 1         | 70,9954        | 74,7261        | 77,4763        | 80,3077        |
| 2         | 71,9208        | 74,7890        | 77,4075        | 80,3444        |
| 3         | 71,6245        | 74,5269        | 77,3250        | 80,2465        |
| Jumlah    | 214,5407       | 224,0420       | 232,2088       | 240,8986       |
| Rata-rata | 71,5136        | 74,6807        | 77,4029        | 80,2995        |

Tabel 06. Rata-rata suhu & kelembaban ruangan

|                | P <sub>0</sub> | P <sub>1</sub> | P <sub>2</sub> | P <sub>3</sub> |
|----------------|----------------|----------------|----------------|----------------|
| Suhu (°C)      | 28,5           | 30             | 29             | 28,5           |
| Kelembaban (%) | 50,5           | 49             | 49,5           | 51             |

Rata-rata suhu 29 °C

Rata-rata kelembaban 50 %

**Lampiran 02. Perhitungan persamaan garis regresi linier antara konsentrasi alkohol standar (xi) dan absorbansi standar (yi).**

Keterangan :

xi = konsentrasi alkohol standar

yi = absorbansi alkohol standar

| xi       | yi    | xiyi                   | xi <sup>2</sup>        |
|----------|-------|------------------------|------------------------|
| 0        | 0,470 | 0                      | 0                      |
| 0,025    | 0,355 | 8,875.10 <sup>-3</sup> | 6,225.10 <sup>-4</sup> |
| 0,05     | 0,240 | 0,012                  | 2,5.10 <sup>-3</sup>   |
| 0,075    | 0,145 | 0,0108076              | 5,625.10 <sup>-3</sup> |
| 0,10     | 0,030 | 3.10 <sup>-3</sup>     | 0,01                   |
| Σ = 0,25 | 1,24  | 0,03346826             | 0,08175                |

$$\bar{x}_i = 0,05$$

$$y_i = 0,248$$

$$n = 5$$

Persamaan garis :  $y = a + bx$

$$b = \frac{n \sum x_i y_i - \left( \sum_{i=1}^n x_i \right) \left( \sum_{i=1}^n y_i \right)}{n \sum x_i^2 - \left( \sum_{i=1}^n x_i \right)^2}$$

$$a = y - bx$$

$$b = \frac{5(0,03346826) - (0,25)(1,24)}{5(0,08175) - (0,0625)}$$

$$= \frac{0,173414 - 0,31}{0,09375 - 0,0625}$$

$$= \frac{-0,136587}{0,03125}$$

$$= -4,360784$$