

## LAMPIRAN IA

DATA KEGIATAN MITOSIS DARI KELOMPOK KONTROL (0%) PER-1000  
SEL SUMSUM TULANG MENCIT

| FASE<br>SEDIAAN | P  | M  | A | T | $\Sigma Xa$ | I   | $\Sigma Xb$ | IND.MIT<br>$\Sigma Xa/\Sigma Xb$ |
|-----------------|----|----|---|---|-------------|-----|-------------|----------------------------------|
| 1. I.1          | 16 | 3  | 0 | 0 | 19          | 181 | 200         | 9,5%                             |
| I.2             | 15 | 2  | 0 | 0 | 17          | 183 | 200         | 8,5%                             |
| I.3             | 16 | 3  | 1 | 1 | 21          | 179 | 200         | 10,5%                            |
| I.4             | 14 | 3  | 1 | 1 | 19          | 181 | 200         | 9,5%                             |
| I.5             | 15 | 3  | 0 | 1 | 19          | 181 | 200         | 9,5%                             |
| JUMLAH          | 76 | 14 | 2 | 3 | 95          | 905 | 1000        | 9,5%                             |
| 2. II.1         | 18 | 2  | 1 | 0 | 21          | 179 | 200         | 10,5%                            |
| II.2            | 17 | 2  | 0 | 0 | 19          | 181 | 200         | 9,5%                             |
| II.3            | 16 | 3  | 1 | 0 | 20          | 180 | 200         | 10,0%                            |
| II.4            | 18 | 3  | 1 | 1 | 23          | 177 | 200         | 11,5%                            |
| II.5            | 15 | 2  | 0 | 0 | 17          | 183 | 200         | 8,5%                             |
| JUMLAH          | 84 | 12 | 3 | 1 | 100         | 900 | 1000        | 10,0%                            |
| 3. III.1        | 18 | 2  | 1 | 0 | 21          | 179 | 200         | 10,5%                            |
| III.2           | 17 | 3  | 0 | 1 | 21          | 179 | 200         | 10,5%                            |
| III.3           | 17 | 4  | 1 | 1 | 23          | 177 | 200         | 11,5%                            |
| III.4           | 15 | 3  | 0 | 0 | 18          | 182 | 200         | 9,0%                             |
| III.5           | 18 | 2  | 0 | 0 | 20          | 180 | 200         | 10,0%                            |
| JUMLAH          | 85 | 14 | 2 | 2 | 103         | 897 | 1000        | 10,3%                            |

| FASE<br>SEDIAAN | P  | M  | A | T | $\Sigma X_a$ | I   | $\Sigma X_b$ | IND.MIT<br>$\Sigma X_a / \Sigma X_b$ |
|-----------------|----|----|---|---|--------------|-----|--------------|--------------------------------------|
| 4. IV.1         | 15 | 3  | 2 | 0 | 20           | 180 | 200          | 10,0%                                |
| IV.2            | 17 | 2  | 0 | 0 | 19           | 181 | 200          | 9,5%                                 |
| IV.3            | 18 | 1  | 0 | 0 | 19           | 181 | 200          | 9,5%                                 |
| IV.4            | 15 | 3  | 0 | 1 | 19           | 181 | 200          | 9,5%                                 |
| IV.5            | 15 | 2  | 0 | 0 | 17           | 183 | 200          | 8,5%                                 |
| JUMLAH          | 80 | 11 | 2 | 1 | 94           | 906 | 1000         | 9,4                                  |
| 5. V.1          | 19 | 2  | 0 | 0 | 21           | 179 | 200          | 10,5%                                |
| V.2             | 20 | 2  | 1 | 0 | 23           | 177 | 200          | 11,5%                                |
| V.3             | 22 | 1  | 1 | 0 | 24           | 176 | 200          | 12,0%                                |
| V.4             | 17 | 4  | 1 | 1 | 23           | 177 | 200          | 11,5%                                |
| V.5             | 19 | 3  | 0 | 1 | 23           | 177 | 200          | 11,5%                                |
| JUMLAH          | 97 | 12 | 3 | 2 | 114          | 886 | 1000         | 11,4%                                |

KETERANGAN :

P = profase

M = metafase

A = anafase

T = telofase

I = interfase

IND.MIT = indek mitosis

## LAMPIRAN IB

DATA KEGIATAN MITOSIS DARI KELOMPOK PERLAKUAN PI(0,02%)  
PER-1000 SEL SUMSUM TULANG MENCIT

| FASE<br>SEDIAAN | P  | M  | A | T | $\Sigma Xa$ | I   | $\Sigma Xb$ | IND.MIT<br>$\Sigma Xa/\Sigma Xb$ |
|-----------------|----|----|---|---|-------------|-----|-------------|----------------------------------|
| 1. I.1          | 12 | 3  | 1 | 0 | 16          | 184 | 200         | 8,0%                             |
| I.2             | 13 | 4  | 0 | 1 | 18          | 182 | 200         | 9,0%                             |
| I.3             | 11 | 3  | 0 | 0 | 14          | 186 | 200         | 7,0%                             |
| I.4             | 13 | 2  | 0 | 0 | 15          | 185 | 200         | 7,5%                             |
| I.5             | 12 | 3  | 0 | 0 | 15          | 185 | 200         | 7,5%                             |
| JUMLAH          | 61 | 15 | 1 | 1 | 78          | 922 | 1000        | 7,8%                             |
| 2. II.1         | 14 | 3  | 1 | 0 | 18          | 182 | 200         | 9,0%                             |
| II.2            | 12 | 4  | 0 | 0 | 16          | 184 | 200         | 8,0%                             |
| II.3            | 15 | 2  | 0 | 1 | 18          | 182 | 200         | 9,0%                             |
| II.4            | 13 | 3  | 1 | 0 | 17          | 183 | 200         | 8,5%                             |
| II.5            | 14 | 4  | 0 | 0 | 18          | 182 | 200         | 9,0%                             |
| JUMLAH          | 68 | 16 | 2 | 1 | 87          | 913 | 1000        | 8,7%                             |
| 3. III.1        | 14 | 4  | 0 | 0 | 18          | 182 | 200         | 9,0%                             |
| III.2           | 15 | 3  | 1 | 0 | 19          | 181 | 200         | 9,5%                             |
| III.3           | 13 | 4  | 0 | 0 | 17          | 183 | 200         | 8,5%                             |
| III.4           | 16 | 3  | 1 | 0 | 20          | 180 | 200         | 10,0%                            |
| III.5           | 14 | 2  | 0 | 0 | 16          | 184 | 200         | 8,0%                             |
| JUMLAH          | 72 | 16 | 2 | 0 | 90          | 910 | 1000        | 9,0%                             |

| FASE SEDIAAN | P  | M  | A | T | $\Sigma X_a$ | I   | $\Sigma X_b$ | IND.MIT<br>$\Sigma X_a / \Sigma X_a$ |
|--------------|----|----|---|---|--------------|-----|--------------|--------------------------------------|
| 4. IV.1      | 13 | 5  | 0 | 0 | 18           | 182 | 200          | 9,0%                                 |
| IV.2         | 12 | 2  | 1 | 0 | 15           | 185 | 200          | 7,5%                                 |
| IV.3         | 14 | 4  | 0 | 0 | 18           | 182 | 200          | 9,0%                                 |
| IV.4         | 13 | 4  | 0 | 0 | 17           | 183 | 200          | 8,5 %                                |
| IV.5         | 14 | 3  | 0 | 0 | 17           | 183 | 200          | 8,5%                                 |
| JUMLAH       | 61 | 18 | 1 | 0 | 85           | 915 | 1000         | 8,5%                                 |
| 5. V.1       | 14 | 3  | 0 | 0 | 17           | 183 | 200          | 8,5%                                 |
| V.2          | 16 | 2  | 0 | 0 | 18           | 182 | 200          | 9,0%                                 |
| V.3          | 14 | 3  | 0 | 1 | 18           | 182 | 200          | 9,0%                                 |
| V.4          | 16 | 2  | 0 | 0 | 18           | 182 | 200          | 9,0%                                 |
| V.5          | 15 | 4  | 0 | 1 | 20           | 180 | 200          | 10,0%                                |
| JUMLAH       | 75 | 14 | 0 | 2 | 91           | 909 | 1000         | 9,1%                                 |

KETERANGAN :

P = profase

M = metafase

A = anafase

T = telofase

I = interfase

IND.MIT = indek mitosis

## LAMPIRAN IC

DATA KEGIATAN MITOSIS DARI KELOMPOK PERLAKUAN PII(0,04%)  
PER-1000 SEL SUMSUM TULANG MENCIT.

| FASE<br>SEDIAAN | P  | M  | A | T | $\Sigma Xa$ | I   | $\Sigma Xb$ | IND.MIT<br>$\Sigma Xa/\Sigma Xb$ |
|-----------------|----|----|---|---|-------------|-----|-------------|----------------------------------|
| 1. I.1          | 9  | 4  | 0 | 0 | 13          | 187 | 200         | 6,5%                             |
| I.2             | 11 | 3  | 0 | 0 | 14          | 184 | 200         | 7,0%                             |
| I.3             | 12 | 6  | 0 | 0 | 18          | 182 | 200         | 9,0%                             |
| I.4             | 9  | 4  | 0 | 0 | 13          | 187 | 200         | 6,5%                             |
| I.5             | 11 | 3  | 0 | 0 | 14          | 186 | 200         | 7,0%                             |
| JUMLAH          | 52 | 20 | 0 | 0 | 72          | 928 | 1000        | 7,2%                             |
| 2. II.1         | 10 | 2  | 0 | 0 | 12          | 188 | 200         | 6,0%                             |
| II.2            | 13 | 3  | 0 | 0 | 16          | 184 | 200         | 8,0%                             |
| II.3            | 11 | 4  | 0 | 0 | 15          | 185 | 200         | 7,5%                             |
| II.4            | 12 | 3  | 0 | 0 | 15          | 185 | 200         | 7,5%                             |
| II.5            | 9  | 6  | 0 | 0 | 15          | 185 | 200         | 7,5%                             |
| JUMLAH          | 55 | 18 | 0 | 0 | 73          | 927 | 1000        | 7,3%                             |
| 3. III.1        | 11 | 3  | 0 | 0 | 14          | 186 | 200         | 7,0%                             |
| III.2           | 8  | 4  | 1 | 0 | 13          | 187 | 200         | 6,5%                             |
| III.3           | 10 | 5  | 0 | 0 | 15          | 185 | 200         | 7,5%                             |
| III.4           | 9  | 4  | 0 | 0 | 13          | 187 | 200         | 6,5%                             |
| III.5           | 11 | 4  | 0 | 0 | 15          | 185 | 200         | 7,5%                             |
| JUMLAH          | 49 | 20 | 1 | 0 | 70          | 930 | 1000        | 7,0%                             |

| FASE<br>SEDIAAN | P  | M  | A | T | $\Sigma Xa$ | I   | $\Sigma Xb$ | IND.MIT<br>$\Sigma Xa/\Sigma Xb$ |
|-----------------|----|----|---|---|-------------|-----|-------------|----------------------------------|
| 4. IV.1         | 8  | 6  | 0 | 0 | 14          | 186 | 200         | 7,0%                             |
| IV.2            | 9  | 4  | 0 | 0 | 13          | 187 | 200         | 6,5%                             |
| IV.3            | 11 | 3  | 0 | 0 | 14          | 186 | 200         | 7,0%                             |
| IV.4            | 7  | 5  | 0 | 1 | 13          | 187 | 200         | 6,5%                             |
| IV.5            | 10 | 4  | 0 | 0 | 14          | 186 | 200         | 7,0%                             |
| JUMLAH          | 45 | 22 | 0 | 1 | 68          | 932 | 1000        | 6,8%                             |
| 5. V.1          | 12 | 3  | 0 | 0 | 15          | 185 | 200         | 7,5%                             |
| V.2             | 12 | 4  | 0 | 0 | 16          | 184 | 200         | 8,0%                             |
| V.3             | 9  | 5  | 0 | 0 | 14          | 186 | 200         | 7,0%                             |
| V.4             | 10 | 3  | 1 | 0 | 14          | 186 | 200         | 7,0%                             |
| V.5             | 11 | 3  | 0 | 0 | 14          | 186 | 200         | 7,0%                             |
| JUMLAH          | 54 | 18 | 1 | 0 | 73          | 927 | 1000        | 7,3%                             |

KETERANGAN :

P = profase

M = metafase

A = anafase

T = telofase

I = interfase

IND.MIT = indeks mitosis



## LAMPIRAN ID

DATA KEGIATAN MITOSIS DARI KELOMPOK PERLAKUAN PIII(0,06%)  
PER-1000 SEL GUMSUM TULANG MENCIT

| FASE<br>SEDIAAN | P  | M | A | T | $\Sigma Xa$ | I   | $\Sigma Xb$ | IND.MIT<br>$\Sigma Xa/\Sigma Xb$ |
|-----------------|----|---|---|---|-------------|-----|-------------|----------------------------------|
| 1. I.1          | 2  | 1 | 0 | 0 | 3           | 197 | 200         | 1,5%                             |
| I.2             | 3  | 0 | 0 | 0 | 3           | 197 | 200         | 1,5%                             |
| I.3             | 2  | 1 | 0 | 0 | 3           | 197 | 200         | 1,5%                             |
| I.4             | 4  | 1 | 0 | 0 | 5           | 195 | 200         | 2,5%                             |
| I.5             | 3  | 1 | 0 | 0 | 4           | 196 | 200         | 2,0%                             |
| JUMLAH          | 14 | 4 | 0 | 0 | 18          | 982 | 1000        | 1,8%                             |
| 2. II.1         | 4  | 2 | 0 | 0 | 6           | 194 | 200         | 3,0%                             |
| II.2            | 3  | 1 | 0 | 0 | 4           | 196 | 200         | 2,0%                             |
| II.3            | 7  | 0 | 0 | 0 | 7           | 193 | 200         | 3,5%                             |
| II.4            | 3  | 1 | 0 | 0 | 4           | 196 | 200         | 2,5%                             |
| II.5            | 4  | 1 | 0 | 0 | 5           | 195 | 200         | 2,5%                             |
| JUMLAH          | 21 | 5 | 0 | 0 | 26          | 974 | 1000        | 2,6%                             |
| 3. III.1        | 3  | 2 | 0 | 0 | 5           | 195 | 200         | 2,5%                             |
| III.2           | 3  | 1 | 0 | 0 | 4           | 196 | 200         | 2,0%                             |
| III.3           | 2  | 0 | 1 | 0 | 3           | 197 | 200         | 1,5%                             |
| III.4           | 4  | 1 | 0 | 0 | 5           | 195 | 200         | 2,5%                             |
| III.5           | 3  | 2 | 0 | 0 | 5           | 195 | 200         | 2,5%                             |
| JUMLAH          | 15 | 6 | 1 | 0 | 22          | 978 | 1000        | 2,2%                             |

| FASE<br>SEDIAAN | P  | M | A | T | $\Sigma Xa$ | I   | $\Sigma Xb$ | IND.MIT<br>$\Sigma Xa/\Sigma Xb$ |
|-----------------|----|---|---|---|-------------|-----|-------------|----------------------------------|
| 4. IV.1         | 3  | 1 | 0 | 0 | 4           | 196 | 200         | 2,0%                             |
| IV.2            | 2  | 2 | 0 | 0 | 4           | 196 | 200         | 2,0%                             |
| IV.3            | 3  | 0 | 0 | 1 | 4           | 196 | 200         | 2,0%                             |
| IV.4            | 3  | 0 | 0 | 0 | 3           | 197 | 200         | 1,5%                             |
| IV.5            | 3  | 0 | 0 | 0 | 3           | 197 | 200         | 1,5%                             |
| JUMLAH          | 14 | 3 | 0 | 0 | 18          | 982 | 1000        | 1,8%                             |
| 5. V.1          | 4  | 2 | 0 | 0 | 6           | 194 | 200         | 3,0%                             |
| V.2             | 5  | 1 | 0 | 0 | 6           | 194 | 200         | 3,0%                             |
| V.3             | 7  | 1 | 0 | 0 | 8           | 192 | 200         | 4,0%                             |
| V.4             | 3  | 2 | 0 | 0 | 5           | 195 | 200         | 2,5%                             |
| V.5             | 2  | 1 | 0 | 0 | 3           | 197 | 200         | 1,5%                             |
| JUMLAH          | 21 | 7 | 0 | 0 | 28          | 972 | 1000        | 2,8%                             |

KETERANGAN :

P = profase

M = metafase

A = anafase

T = telofase

I = interfase

IND.MIT = indek mitosis



## LAMPIRAN II

INDEK MITOSIS (0%) DARI KELOMPOK KONTROL DAN KELOMPOK PERLAKUAN.

| SEDIAAN   | KELOMPOK |           |            |             |
|-----------|----------|-----------|------------|-------------|
|           | K (0%)   | PI(0,02%) | PII(0,04%) | PIII(0,06%) |
| 1. I.1    | 9,5%     | 8,0%      | 6,5%       | 1,5%        |
| I.2       | 8,5%     | 9,0%      | 7,0%       | 1,5%        |
| I.3       | 10,5%    | 7,0%      | 9,0%       | 1,5%        |
| I.4       | 9,5%     | 7,5%      | 6,5%       | 2,5%        |
| I.5       | 9,5%     | 7,5%      | 7,0%       | 2,0%        |
| RATA-RATA | 9,5%     | 7,8%      | 7,2%       | 1,8%        |
| 2. II.1   | 10,5%    | 9,0%      | 6,0%       | 3,0%        |
| II.2      | 9,5%     | 8,0%      | 8,0%       | 2,0%        |
| II.3      | 10,5%    | 9,0%      | 7,5%       | 3,5%        |
| II.4      | 11,5%    | 8,5%      | 7,5%       | 2,0%        |
| II.5      | 8,5%     | 9,0%      | 7,5%       | 2,5%        |
| RATA-RATA | 10,0%    | 8,7%      | 7,3%       | 2,6%        |
| 3. III.1  | 10,5%    | 9,0%      | 7,0%       | 2,5%        |
| III.2     | 10,5%    | 9,5%      | 6,5%       | 2,0%        |
| III.3     | 11,5%    | 8,5%      | 7,5%       | 1,5%        |
| III.4     | 9,0%     | 10,0%     | 6,5%       | 2,5%        |
| III.5     | 10,0%    | 8,0%      | 7,5%       | 2,5%        |
| RATA-RATA | 10,3%    | 9,0%      | 7,0%       | 2,2%        |

|           |       |       |      |      |
|-----------|-------|-------|------|------|
| 4. IV.1   | 10,0% | 9,0%  | 7,0% | 2,0% |
| IV.2      | 9,5%  | 7,5%  | 6,5% | 2,0% |
| IV.3      | 9,5%  | 9,0%  | 7,0% | 2,0% |
| IV.4      | 9,5%  | 8,5%  | 6,5% | 1,5% |
| IV.5      | 8,5%  | 8,5%  | 7,0% | 1,5% |
| RATA-RATA | 9,4%  | 8,5%  | 6,8% | 1,8% |
| 5. V.1    | 10,5% | 8,5%  | 7,5% | 3,0% |
| V.2       | 11,5% | 9,0%  | 8,0% | 3,0% |
| V.3       | 12,0% | 9,0%  | 7,0% | 4,0% |
| V.4       | 11,5% | 9,0%  | 7,0% | 2,5% |
| V.5       | 11,5% | 10,0% | 7,0% | 1,5% |
| RATA-RATA | 11,4% | 9,1%  | 7,3% | 2,8% |

## LAMPIRAN III

## PERHITUNGAN INDEK MITOSIS DARI KELOMPOK KONTROL DAN KELOMPOK PERLAKUAN

Data dari lampiran IA, IB, IC DAN ID dipakai untuk menghitung indek mitosis sebagai berikut :

$$\text{Indek mitosis} = \frac{\sum Xa}{\sum Xb} \times 100\%$$

$\sum Xa$  = jumlah sel yang mengalami mitosis dari profase sampai telofase.

$\sum Xb$  = jumlah sel yang diamati seluruhnya yaitu sel yang mengalami mitosis + sel yang tidak mengalami mitosis.

Untuk kelompok kontrol

$$1.1.1. \text{ indek mitosis} = \frac{19}{200} \times 100\% = 9,5\%$$

$$1.2. \text{ indek mitosis} = \frac{17}{200} \times 100\% = 8,5\%$$

$$1.3. \text{ indek mitosis} = \frac{21}{200} \times 100\% = 10,5\%$$

$$1.4. \text{ indek mitosis} = \frac{19}{200} \times 100\% = 9,5\%$$

$$1.5. \text{ indek mitosis} = \frac{19}{200} \times 100\% = 9,5\%$$

$$2. \ 2.1. \ \text{indek mitosis} = \frac{21}{200} \times 100\% = 10,5\%$$

$$2.2. \ \text{indek mitosis} = \frac{19}{200} \times 100\% = 9,5\%$$

$$2.3. \ \text{indek mitosis} = \frac{21}{200} \times 100\% = 10,5\%$$

$$2.4. \ \text{indek mitosis} = \frac{23}{200} \times 100\% = 11,5\%$$

$$2.5. \ \text{indek mitosis} = \frac{17}{200} \times 100\% = 8,5\%$$

$$3. \ 3.1. \ \text{indek mitosis} = \frac{21}{200} \times 100\% = 10,5\%$$

$$3.2. \ \text{indek mitosis} = \frac{21}{200} \times 100\% = 10,5\%$$

$$3.3. \ \text{indek mitosis} = \frac{23}{200} \times 100\% = 11,5\%$$

$$3.4. \ \text{indek mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$3.5. \ \text{indek mitosis} = \frac{20}{200} \times 100\% = 10,0\%$$

$$4. \ 4.1. \ \text{indek mitosis} = \frac{20}{200} \times 100\% = 10,0\%$$

$$4.2. \text{ indeks mitosis} = \frac{19}{200} \times 100\% = 9,5\%$$

$$4.3. \text{ indeks mitosis} = \frac{19}{200} \times 100\% = 9,5\%$$

$$4.4. \text{ indeks mitosis} = \frac{19}{200} \times 100\% = 9,5\%$$

$$4.5. \text{ indeks mitosis} = \frac{17}{200} \times 100\% = 8,5\%$$

$$5.1. \text{ indeks mitosis} = \frac{21}{200} \times 100\% = 10,5\%$$

$$5.2. \text{ indeks mitosis} = \frac{23}{200} \times 100\% = 11,5\%$$

$$5.3. \text{ indeks mitosis} = \frac{24}{200} \times 100\% = 12,0\%$$

$$5.4. \text{ indeks mitosis} = \frac{23}{200} \times 100\% = 11,5\%$$

$$5.5. \text{ indeks mitosis} = \frac{23}{200} \times 100\% = 11,5\%$$

Untuk kelompok perlakuan PI (0,02%)

$$1. \ 1.1. \text{ indeks mitosis} = \frac{16}{200} \times 100\% = 8,0\%$$

$$1.2. \text{ indek mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$1.3. \text{ indek mitosis} = \frac{14}{200} \times 100\% = 7,0\%$$

$$1.4. \text{ indek mitosis} = \frac{15}{200} \times 100\% = 7,5\%$$

$$1.5. \text{ indek mitosis} = \frac{15}{200} \times 100\% = 7,5\%$$

$$2. \quad 2.1. \text{ indek mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$2.2. \text{ indek mitosis} = \frac{16}{200} \times 100\% = 8,0\%$$

$$2.3. \text{ indek mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$2.4. \text{ indek mitosis} = \frac{17}{200} \times 100\% = 8,5\%$$

$$2.5. \text{ indek mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$3. \quad 3.1. \text{ indek mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$3.2. \text{ indek mitosis} = \frac{17}{200} \times 100\% = 9,5\%$$



$$3.3. \text{ indeks mitosis} = \frac{17}{200} \times 100\% = 8,5\%$$

$$3.4. \text{ indeks mitosis} = \frac{20}{200} \times 100\% = 10,0\%$$

$$3.5. \text{ indeks mitosis} = \frac{16}{200} \times 100\% = 8,0\%$$

$$4. \quad 4.1. \text{ indeks mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$4.2. \text{ indeks mitosis} = \frac{15}{200} \times 100\% = 7,5\%$$

$$4.3. \text{ indeks mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$4.4. \text{ indeks mitosis} = \frac{17}{200} \times 100\% = 8,5\%$$

$$4.5. \text{ indeks mitosis} = \frac{17}{200} \times 100\% = 8,5\%$$

$$5. \quad 5.1. \text{ indeks mitosis} = \frac{17}{200} \times 100\% = 8,5\%$$

$$5.2. \text{ indeks mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$5.3. \text{ indeks mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$5.4. \text{ indeks mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$5.5. \text{ indeks mitosis} = \frac{20}{200} \times 100\% = 10,0\%$$

Untuk kelompok perlakuan PII (0,04%)

$$1. \ 1.1. \text{ indeks mitosis} = \frac{13}{200} \times 100\% = 6,5\%$$

$$1.2. \text{ indeks mitosis} = \frac{14}{200} \times 100\% = 7,0\%$$

$$1.3. \text{ indeks mitosis} = \frac{18}{200} \times 100\% = 9,0\%$$

$$1.4. \text{ indeks mitosis} = \frac{13}{200} \times 100\% = 6,5\%$$

$$1.5. \text{ indeks mitosis} = \frac{14}{200} \times 100\% = 7,0\%$$

$$2. \ 2.1. \text{ indeks mitosis} = \frac{12}{200} \times 100\% = 6,0\%$$

$$2.2. \text{ indeks mitosis} = \frac{16}{200} \times 100\% = 8,0\%$$

$$2.3. \text{ indeks mitosis} = \frac{15}{200} \times 100\% = 7,5\%$$

$$2.4. \text{ indeks mitosis} = \frac{15}{200} \times 100\% = 7,5\%$$

$$2.5. \text{ indeks mitosis} = \frac{15}{200} \times 100\% = 7,5\%$$

$$3. \ 3.1. \text{ indeks mitosis} = \frac{14}{200} \times 100\% = 7,0\%$$

$$3.2. \text{ indeks mitosis} = \frac{13}{200} \times 100\% = 6,5\%$$

$$3.3. \text{ indeks mitosis} = \frac{15}{200} \times 100\% = 7,5\%$$

$$3.4. \text{ indeks mitosis} = \frac{13}{200} \times 100\% = 6,5\%$$

$$3.5. \text{ indeks mitosis} = \frac{15}{200} \times 100\% = 7,5\%$$

$$4. \ 4.1. \text{ indeks mitosis} = \frac{14}{200} \times 100\% = 7,0\%$$

$$4.2. \text{ indeks mitosis} = \frac{13}{200} \times 100\% = 6,5\%$$

$$4.3. \text{ indeks mitosis} = \frac{14}{200} \times 100\% = 7,0\%$$

$$4.4. \text{ indeks mitosis} = \frac{13}{200} \times 100\% = 6,5\%$$

$$4.5. \text{ indeks mitosis} = \frac{14}{200} \times 100\% = 7,0\%$$

$$5. \ 5.1. \text{ indeks mitosis} = \frac{14}{200} \times 100\% = 7,0\%$$

$$5.2. \text{ indeks mitosis} = \frac{16}{200} \times 100\% = 8,0\%$$

$$5.3. \text{ indeks mitosis} = \frac{15}{200} \times 100\% = 7,5\%$$

$$5.4. \text{ indeks mitosis} = \frac{14}{200} \times 100\% = 7,0\%$$

$$5.5. \text{ indeks mitosis} = \frac{14}{200} \times 100\% = 7,0\%$$

Untuk kelompok perlakuan PIII (0,06%)

$$1. \ 1.1. \text{ indeks mitosis} = \frac{3}{200} \times 100\% = 1,5\%$$

$$1.2. \text{ indeks mitosis} = \frac{3}{200} \times 100\% = 1,5\%$$

$$1.3. \text{ indeks mitosis} = \frac{3}{200} \times 100\% = 1,5\%$$

$$1.4. \text{ indeks mitosis} = \frac{5}{200} \times 100\% = 2,5\%$$

$$1.5. \text{ indeks mitosis} = \frac{4}{200} \times 100\% = 2,0\%$$

$$2. \ 2.1. \text{ indeks mitosis} = \frac{6}{200} \times 100\% = 3,0\%$$

$$2.2. \text{ indek mitosis} = \frac{4}{200} \times 100\% = 2,0\%$$

$$2.3. \text{ indek mitosis} = \frac{7}{200} \times 100\% = 3,5\%$$

$$2.4. \text{ indek mitosis} = \frac{4}{200} \times 100\% = 2,0\%$$

$$2.5. \text{ indek mitosis} = \frac{5}{200} \times 100\% = 2,5\%$$

$$3. \quad 3.1. \text{ indek mitosis} = \frac{5}{200} \times 100\% = 2,5\%$$

$$3.2. \text{ indek mitosis} = \frac{4}{200} \times 100\% = 2,0\%$$

$$3.3. \text{ indek mitosis} = \frac{3}{200} \times 100\% = 1,5\%$$

$$3.4. \text{ indek mitosis} = \frac{5}{200} \times 100\% = 2,5\%$$

$$3.5. \text{ indek mitosis} = \frac{5}{200} \times 100\% = 2,5\%$$

$$4. \quad 4.1. \text{ indek mitosis} = \frac{4}{200} \times 100\% = 2,0\%$$

$$4.2. \text{ indek mitosis} = \frac{4}{200} \times 100\% = 2,0\%$$

$$4.3. \text{ indek mitosis} = \frac{4}{200} \times 100\% = 2,0\%$$

$$4.4. \text{ indeks mitosis} = \frac{3}{200} \times 100\% = 1,5\%$$

$$4.5. \text{ indeks mitosis} = \frac{3}{200} \times 100\% = 1,5\%$$

$$5. \ 5.1. \text{ indeks mitosis} = \frac{6}{200} \times 100\% = 3,0\%$$

$$5.2. \text{ indeks mitosis} = \frac{6}{200} \times 100\% = 3,0\%$$

$$5.3. \text{ indeks mitosis} = \frac{8}{200} \times 100\% = 4,0\%$$

$$5.4. \text{ indeks mitosis} = \frac{5}{200} \times 100\% = 2,5\%$$

$$5.5. \text{ indeks mitosis} = \frac{3}{200} \times 100\% = 1,5\%$$

## LAMPIRAN IV

## PERHITUNGAN ANALISA VARIAN RANCANGAN RAMBANG LUGAS

$$n = 5$$

$$p = 4$$

$$N = p.n = 20$$

$$j_i = 140,5$$

$$\sum \sum Y^2_{ij} = 1166,83$$

Jumlah kuadrat total

$$jk \text{ total} = \sum \sum Y^2_{ij} - \frac{j_i^2}{N} = 1166,83 - \frac{(140)^2}{20} = 179,8175$$

Jumlah kuadrat perlakuan

$$jk \text{ Py} = \frac{\sum j_i^2}{n} - \frac{j_i^2}{N} = \frac{5810,77}{5} - \frac{(140,5)^2}{20} = 175,1415$$

Jumlah kuadrat dalam

$$jk \text{ Ey} = jk \text{ total} - jk \text{ Py} = 179,8175 - 175,1415 = 4,6760$$

Derajat bebas total

$$db \text{ total} = p.n - 1 = 20 - 1 = 19$$

Derajat bebas perlakuan

$$db \text{ Py} = p - 1 = 4 - 1 = 3$$

Derajat bebas dalam

$$db \text{ Ey} = db \text{ (total - Py)} = 19 - 3 = 16$$

Rata-rata jumlah kuadrat perlakuan

$$Rjk \text{ Py} = \frac{jk \text{ Py}}{db \text{ Py}} = \frac{175,1415}{3} = 58,38050$$



Rata-rata jumlah kuadrat dalam

$$Rjk Ey = \frac{jk Ey}{db Ey} = \frac{4,6760}{16} = 0,29225$$

F hitung

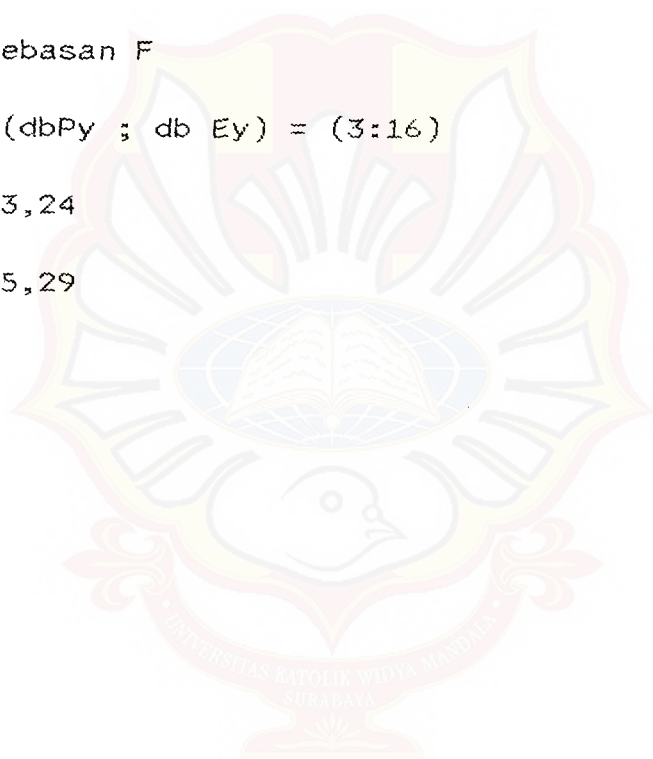
$$FoA = \frac{Rjk Py}{Rjk Ey} = \frac{58,38050}{0,29225} = 199,762$$

Derajat kebebasan F

$$db FoA = (dbPy ; db Ey) = (3:16)$$

$$F (0,05) = 3,24$$

$$F (0,01) = 5,29$$





LEMBAGA ILMU PENGETAHUAN INDONESIA  
 UPT BALAI PENGEMBANGAN KEBUN RAYA  
**CABANG BALAI KEBUN RAYA PURWODADI**  
 PASURUAN - JAWA TIMUR

SURAT KETERANGAN IDENTIFIKASI

No.: 129 /II.1.06.02/HM./1996

Kepala Cabang Balai Kebun Raya Purwodadi dengan ini menerangkan bahwa material tanaman yang dibawa oleh :

Sdr. NI NYOMAN MUDARINI - Nrp.2443090037

Mahasiswa Fakultas Farmasi Universitas Katolik "WIDYA MAN DALA" di Surabaya ke Cabang Balai Kebun Raya Purwodadi pada tanggal 6 Februari 1996, berdasarkan buku "FLORA OF JAVA" karangan C.A. Backer jilid III (1968) halaman 85 nama ilmiahnya adalah :

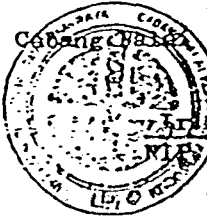
M a r g a : Gloriosa  
 J e n i s : Gloriosa superba L.

Adapun menurut buku "THE STANDARD CYCLOPEDIA OF HORTICULTURE" karangan L.H. Bailey jilid I (1953) halaman 2 klasifikasinya adalah sebagai berikut :

D i v i s i : Spermatophyta  
 Sub Divisi : Angiospermae  
 K e l a s : Monocotyledoneae  
 Ordo/Bangsa : Liliiflorae  
 Famili/Suku : Liliaceae

Demikian surat keterangan ini dibuat untuk dapat di pergunakan sebagaimana perlunya.--

Purwodadi, 28 Februari 1996

Kepala  
 Cabang Balai Kebun Raya Purwodadi,  
  
 NI NYOMAN MUDARINI  
 NRP. 2443090037