

# PERSAMAAN GARIS REGRESI

Group :

- 1.....
- 2.....
- 3.....
- 4.....
- 5.....

Lengkapi tabel berikut untuk menentukan Sum of Square



| $x$        | $y$        | $x^2$        | $xy$        |
|------------|------------|--------------|-------------|
| ...        | ...        | ...          | ...         |
| ...        | ...        | ...          | ...         |
| ...        | ...        | ...          | ...         |
| ...        | ...        | ...          | ...         |
| ...        | ...        | ...          | ...         |
| $\sum x =$ | $\sum y =$ | $\sum x^2 =$ | $\sum xy =$ |

Berdasarkan tabel diatas lakukan perhitungan berikut

1  $\bar{y} =$

2  $\bar{x} =$

3  $SS_{xy} = \sum xy - \frac{(\sum x)(\sum y)}{n} =$

4  $SS_{xx} = \sum x^2 - \frac{(\sum x)^2}{n} =$

5  $m = \frac{SS_{xy}}{SS_{xx}}$

Substitusi ke bentuk umum persamaan regresi :

$$\hat{y} - \bar{y} = \frac{SS_{xy}}{SS_{xx}} (x - \bar{x})$$

$$\hat{y} - \dots = \dots (x - \dots)$$

$$\Leftrightarrow \hat{y} - \dots = \dots x - \dots$$

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