

PANJANG	USIA	PANJANG LAHIR	BERAT LAHIR
57,5	78	48,2	2,75
52,8	69	45,5	2,15
61,3	77	46,3	4,41
67	88	49	5,52
53,5	67	43	3,21
62,7	80	48	4,32
56,2	74	48	2,31
68,5	94	53	4,3
69,2	102	58	3,71

$$y = 5,630 + 0,081x_1 + 0,771x_2 + 3,070x_3$$

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,995335703
R Square	0,990693162
Adjusted R Square	0,985109059
Standard Error	0,773269501
Observations	9

ANOVA					
	df	SS	MS	F	Significance F
Regression	3	318,2502714	106,0834	177,4131	1,69663E-05
Residual	5	2,989728606	0,597946		
Total	8	321,24			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95,0%	Upper 95,0%
Intercept	5,62982669	12,70680159	0,443056	0,676237	-27,03404666	38,29370004	-27,03404666	38,29370004
USIA	0,080984221	0,289880081	0,279371	0,791147	-0,664176248	0,826144691	-0,664176248	0,826144691
PANJANG LAHIR	0,771497584	0,669189752	1,152883	0,301078	-0,948709436	2,491704605	-0,948709436	2,491704605
BERAT LAHIR	3,06935811	0,95066097	3,228657	0,023241	0,62560629	5,51310993	0,62560629	5,51310993

X	1	2	4	6	7
Y	3	5	7	8	10

Column1	X	Y	XY	X^2	Y^2
	1	3	3	1	9
	2	5	10	4	25
	4	7	28	16	49
	6	8	48	36	64
	7	10	70	49	100
Σ	20	33	159	106	247

$$b = \frac{n \sum x_i y_i - (\sum x_i)(\sum y_i)}{n \sum x_i^2 - (\sum x_i)^2} = \frac{5.159 - 20.33}{5.106 - 20^2} = 1,04$$

$$a = \frac{\sum y_i}{n} - b \frac{\sum x_i}{n} = \frac{33}{5} + 1,04 \frac{20}{5} = 10,76$$

$$r_{xy} = \frac{n \sum x_i y_i - \sum x_i \sum y_i}{\sqrt{n \sum x_i^2 - (\sum x_i)^2} \cdot \sqrt{n \sum y_i^2 - (\sum y_i)^2}}$$

$$r = \frac{5.159 - 20.33}{\sqrt{(5.106 - 20^2)} \cdot \sqrt{(5.247 - 33^2)}} = 0,979909$$

* Persamaan garis regresi **y = 10,76 + 1,04x**

* y = 10,76 + 1,04(10) = **21,16**

* Hubungan kedua variabel erat **Positif**