Nama  : Muhammad Reza Hidayat
NIM   : 18.11.2572
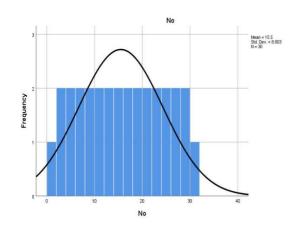Kelas : S1-Informatika 11
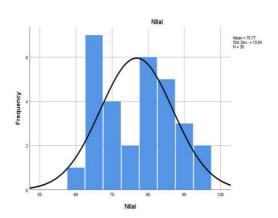
1.

**Statistics**

|  |  | No | Nilai |
|---|---|---|---|
| N | Valid | 30 | 30 |
|  | Missing | 0 | 0 |
| Mean |  | 15.50 | 76.77 |
| Median |  | 15.50 | 78.00 |
| Mode |  | 1 [a] | 78 |
| Std. Deviation |  | 8.803 | 10.040 |
| Skewness |  | .000 | .081 |
| Std. Error of Skewness |  | .427 | .427 |
| Kurtosis |  | -1.200 | -1.086 |
| Std. Error of Kurtosis |  | .833 | .833 |
| Percentiles | 10 | 3.10 | 64.00 |
|  | 25 | 7.75 | 66.75 |
|  | 30 | 9.30 | 68.90 |
|  | 50 | 15.50 | 78.00 |
|  | 60 | 18.60 | 79.80 |
|  | 75 | 23.25 | 85.00 |
|  | 90 | 27.90 | 90.00 |

a. Multiple modes exist. The smallest value is shown

2. a.  Bagaimana hubungan antar variabelnya?

**Correlations**

|  |  | X1 | X2 | Y |
|---|---|---|---|---|
| X1 | Pearson Correlation | 1 | .705* | .550 |
|  | Sig. (2-tailed) |  | .010 | .064 |
|  | N | 12 | 12 | 12 |
| X2 | Pearson Correlation | .705* | 1 | .542 |
|  | Sig. (2-tailed) | .010 |  | .069 |
|  | N | 12 | 12 | 12 |
| Y | Pearson Correlation | .550 | .542 | 1 |
|  | Sig. (2-tailed) | .064 | .069 |  |
|  | N | 12 | 12 | 12 |

*. Correlation is significant at the 0.05 level (2-tailed).

Hubungan antara X1 dan X2 didapatkan angka     +.705    Kuat
Hubungan antara X1 dan Y didapatkan angka     +.550   Sedang
Hubungan antara X2 dan Y didapatkan angka     +.542   Sedang

b. Tentukan persamaan regresi ganda!

**Coefficients^a**

| Model |  | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
|---|---|---|---|---|---|---|
|  |  | B | Std. Error | Beta |  |  |
| 1 | (Constant) | 28.321 | 5.294 |  | 5.350 | .000 |
|  | X1 | .520 | .591 | .333 | .879 | .402 |
|  | X2 | .052 | .064 | .307 | .810 | .439 |

a. Dependent Variable: Y
Rumus Persamaan Regresi :

**Y = 28,321 + 0.520 + 0.052**

c. Buktikan apakah ada pengaruh yang signifikan antara makanan ikan dan panjang ikan terhadap berat ikan!

**Coefficients^a**

| Model |  | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
|---|---|---|---|---|---|---|
|  |  | B | Std. Error | Beta |  |  |
| 1 | (Constant) | 28.321 | 5.294 |  | 5.350 | .000 |
|  | X1 | .520 | .591 | .333 | .879 | .402 |
|  | X2 | .052 | .064 | .307 | .810 | .439 |

a. Dependent Variable: Y

a. Pengaruh Makanan Ikan(X1) terhadap Berat Ikan(Y)
   a) Berdasarkan Nilai Signifikan (Sig.)

   Nilai signifikan (Sig.) Variable (X1) sebesar 0,402. Karena nilai Sig. 0.402 > probabilitas 0.05, maka dapat disimpulkan bahwa H1(hipotesis pertama) ditolak. Artinya tidak ada pengaruh Makanan ikan(X1) terhadap Berat Ikan(Y).

   b) Perbandingan t hitung dengan t tabel

   Nilai t hitung var makanan ikan(X1) sebesar 0.879.
   Cari t tabel

   t tabel = (0.05/2 ; 12-2-1)
   t tabel = (0.025 ; 9)
   t tabel = 2,262

   Karena nilai t hitung 0,879 < t tabel 2,262, maka dapat disimpulkan bahwa H1(hipotesis pertama) ditolak.

b. Pengaruh Panjang Ikan terhadap Berat Ikan
   a) Berdasarkan Nilai Signifikan (Sig.)

   Nilai signifikan (Sig.) Variable (X2) sebesar 0,439. Karena nilai Sig. 0.439 > probabilitas 0.05, maka dapat disimpulkan bahwa H2(hipotesis kedua) ditolak. Artinya tidak ada pengaruh Panjang Ikan(X2) terhadap Berat Ikan(Y).

   b) Perbandingan t hitung dengan t tabel

   Nilai t hitung panjang ikan(X2) sebesar 0.810.
   Cari t tabel

   t tabel = (0.05/2 ; 12-2-1)
   t tabel = (0.025 ; 9)
   t tabel = 2,262

   Karena nilai t hitung 0,810 < t tabel 2,262, maka dapat disimpulkan bahwa H1(hipotesis pertama) ditolak.

3. Uji Validitas

**Item-Total Statistics**

| | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
|---|---|---|---|---|
| L1 | 51.47 | 65.016 | .513 | .906 |
| L2 | 51.40 | 64.386 | .693 | .899 |
| L3 | 51.33 | 64.713 | .701 | .899 |
| E1 | 51.83 | 65.661 | .615 | .902 |
| E2 | 51.40 | 64.800 | .700 | .899 |
| E3 | 51.30 | 65.390 | .666 | .900 |
| M1 | 51.43 | 65.013 | .709 | .899 |
| M2 | 51.53 | 64.189 | .660 | .900 |
| M3 | 51.30 | 64.907 | .755 | .898 |
| EH1 | 52.00 | 65.655 | .514 | .906 |
| EH2 | 52.03 | 67.895 | .433 | .908 |
| EH3 | 52.33 | 66.851 | .407 | .910 |
| S1 | 51.67 | 65.057 | .573 | .903 |
| S2 | 51.40 | 65.007 | .644 | .901 |
| S3 | 51.77 | 65.220 | .555 | .904 |

R tabel = 0.3610
Dibandingkan dengan r tabel

| | | |
|---|---|---|
| L1 | .513 > .3610 | **Valid** |
| L2 | .693 > .3610 | **Valid** |
| L3 | .701 > .3610 | **Valid** |
| E1 | .615 > .3610 | **Valid** |
| E2 | .700 > .3610 | **Valid** |
| E3 | .666 > .3610 | **Valid** |
| M1 | .709 > .3610 | **Valid** |
| M2 | .660 > .3610 | **Valid** |
| M3 | .755 > .3610 | **Valid** |
| EH1 | .514 > .3610 | **Valid** |
| EH2 | .433 > .3610 | **Valid** |
| EH3 | .407 > .3610 | **Valid** |
| S1 | .573 > .3610 | **Valid** |
| S2 | .644 > .3610 | **Valid** |
| S3 | .555 > .3610 | **Valid** |

Uji Reabilitas

**Reliability Statistics**

| Cronbach's Alpha | N of Items |
|---|---|
| .908 | 15 |

Dari total 15 pertanyaan yang valid dapat disimpulkan bahwa pertanyaan tersebut reliabel