**Hasil Uji Regresi Pak Aji**

**Uji Validasi dan Reliability**

1. Hasil Uji Validasi dan Reliability

| **Case Processing Summary** | | | |
| --- | --- | --- | --- |
|  |  | N | % |
| Cases | Valid | 230 | 100.0 |
| Excludeda | 0 | .0 |
| Total | 230 | 100.0 |
| a. Listwise deletion based on all variables in the procedure. | | | |

Semua data valid, tidak ada data yang kosong.

| **Reliability Statistics** | | |
| --- | --- | --- |
| Cronbach's Alpha | Cronbach's Alpha Based on Standardized Items | N of Items |
| .965 | .966 | 12 |

| **Item-Total Statistics** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Squared Multiple Correlation | Cronbach's Alpha if Item Deleted |
| X111 | 41.22 | 85.603 | .805 | .792 | .963 |
| X112 | 41.44 | 85.907 | .776 | .753 | .964 |
| X121 | 41.88 | 87.461 | .782 | .711 | .963 |
| X122 | 41.77 | 85.986 | .850 | .796 | .962 |
| X131 | 41.85 | 86.811 | .830 | .734 | .962 |
| X132 | 41.69 | 85.804 | .867 | .781 | .961 |
| Y11 | 41.72 | 85.713 | .858 | .784 | .961 |
| Y12 | 41.88 | 86.448 | .870 | .810 | .961 |
| Y21 | 42.13 | 88.521 | .761 | .726 | .964 |
| Y22 | 42.10 | 88.690 | .779 | .725 | .964 |
| Y31 | 41.69 | 85.561 | .857 | .829 | .961 |
| Y32 | 41.53 | 86.084 | .826 | .804 | .962 |

**Uji Reliability**

|  |  |  |  |
| --- | --- | --- | --- |
| No | Nilai standard | Cronbach's Alpha | Keterangan |
| 1 | 0.6 | .965 | Reliabel |

Data reliabel, karena nilai cronbach’s alpha > 0,6 yaitu 0,965 > 0,6

**Uji Validasi**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Variabel | Nilai standard | Corrected Item-Total Correlation | Keterangan |
| 1 | X111 | 0.3 | .805 | Valid |
| 2 | X112 | 0.3 | .776 | Valid |
| 3 | X121 | 0.3 | .782 | Valid |
| 4 | X122 | 0.3 | .850 | Valid |
| 5 | X131 | 0.3 | .830 | Valid |
| 6 | X132 | 0.3 | .867 | Valid |
| 7 | Y11 | 0.3 | .858 | Valid |
| 8 | Y12 | 0.3 | .870 | Valid |
| 9 | Y21 | 0.3 | .761 | Valid |
| 10 | Y22 | 0.3 | .779 | Valid |
| 11 | Y31 | 0.3 | .857 | Valid |
| 12 | Y32 | 0.3 | .826 | Valid |

Semua data valid, karena nilai Corrected Item-Total Correlation > 0,3

**Uji Regresi Linier Berganda**

1. **Variabel X terhadap Y11**

| **Variables Entered/Removedb** | | | |
| --- | --- | --- | --- |
| Model | Variables Entered | Variables Removed | Method |
| 1 | X132, X121, X112, X131, X111, X122a | . | Enter |
| a. All requested variables entered. | | |  |
| b. Dependent Variable: Y11 | | |  |

Tabel output “variables entered/removed” di atas menunjukkan bahwa variabel penelitian dan metode yang digunakan dalam regresi. Variabel dependent adalah Y11, dan variabel independent adalah variabel X (X111, X112, X121, X122, X131 dan X132). Analisa regresi yang digunakan adalah Enter. Tidak ada variabel yang dibuang pada kolom removed sehingga tidak ada nilai (angkanya kosong).

| **Model Summaryb** | | | | |
| --- | --- | --- | --- | --- |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .827a | .684 | .675 | .572 |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |
| b. Dependent Variable: Y11 | | | |  |

Pada “Model summary” menunjukkan informasi terkait nilai koefisien determinasi, yakni kontribusi atau pengaruh variabel independent (variabel X (X111, X112, X121, X122, X131 dan X132)) secara simultan. Dikerahui nilai koefisien determinasi atau R Square adalah sebesar 0,675 atau nilai 67,5 %. Angkat tersebut mempunyai arti bahwa variabel X secara simultan (bersama-sama) berpengaruh terhadap variabel Y11 sebesar 67,5%. Sedangkan sisanya (100 % - 67,5 % = 32,5 %) dipengaruhi oleh variabel lain di luar persamaan regresi atau variabel yang tidak di teliti. Hal ini menunjukkan bahwa hubungan variabel X (X111, X112, X121, X122, X131 dan X132) terhadap Y11 adalah moderat (sedang).

| **ANOVAb** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 157.915 | 6 | 26.319 | 80.349 | .000a |
| Residual | 73.046 | 223 | .328 |  |  |
| Total | 230.961 | 229 |  |  |  |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |  |  |
| b. Dependent Variable: Y11 | | |  |  |  |  |

Berdasarkan tabel output “ANOVA” menunjukkan bahwa nilai signifikasi (sig.) dalam uji F adala sebesar 0,000. Karena Sig, 0,000 < 0,05, maka dapat disimpulkan bahwa variabel X (X111, X112, X121, X122, X131 dan X132) secara simultan (bersama-sama) berpengaruh terhadap variabel Y11 atau berarti signifikan. Sehingga persyaratan agar kita dapat memaknai nilai koefisien determinasi dalam analisis regresi linier berganda sudah terpenuhi.

Pedoman untuk melakukan uji hipotesa dalam uji F, yaitu:

1. Berdasarkan nilai signifikansi (Sig.) dari output ANOVA
2. Jika nilai Sig. < 0,05, maka hipotesa diterima. Maka berarti variabel X (X111, X112, X121, X122, X131 dan X132) secara simultas berpengaruh terhadap variabel Y11.
3. Jika nilai Sig. > 0,05, maka hipotesa ditolak. Maka berarti variabel X (X111, X112, X121, X122, X131 dan X132) secara simultas tidak berpengaruh terhadap variabel Y11.
4. Berdasarkan perbandingan Nilai F Hitung dengan F Tabel
   1. Jika nilai F Hitung < F Tabel, maka hipotesa diterima. Maka berarti variabel X (X111, X112, X121, X122, X131 dan X132) secara simultas berpengaruh terhadap variabel Y11.
   2. Jika nilai F Hitung > F Tabel, maka hipotesa ditolak. Maka berarti variabel X (X111, X112, X121, X122, X131 dan X132) secara simultas tidak berpengaruh terhadap variabel Y11.

(F Tabel 🡺 df 1 = 6; df 2 = 223; dengan alfa = 5 % atau 0,05 🡺 F Tabel = 2,10; sehingga F hitung > F Tabel = 80, 349 > 2,10, sehingga hipotesa di tolak)

| **Coefficientsa** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | .169 | .173 |  | .980 | .328 |
| X111 | .291 | .070 | .310 | 4.143 | .000 |
| X112 | -.008 | .068 | -.009 | -.123 | .902 |
| X121 | .057 | .067 | .055 | .852 | .395 |
| X122 | .128 | .079 | .127 | 1.615 | .108 |
| X131 | .260 | .071 | .250 | 3.652 | .000 |
| X132 | .202 | .078 | .199 | 2.583 | .010 |
| a. Dependent Variable: Y11 | | |  |  |  |  |

Tabel “coefficients” menunjukkan bahwa persamaan regresi dan ada tidaknya pengaruh variabel X (X111, X112, X121, X122, X131 dan X132) secara parsial (sendiri-sendiri) terhadap variabel Y11. Sehingga rumus persamaan regresi linier berganda adalah:

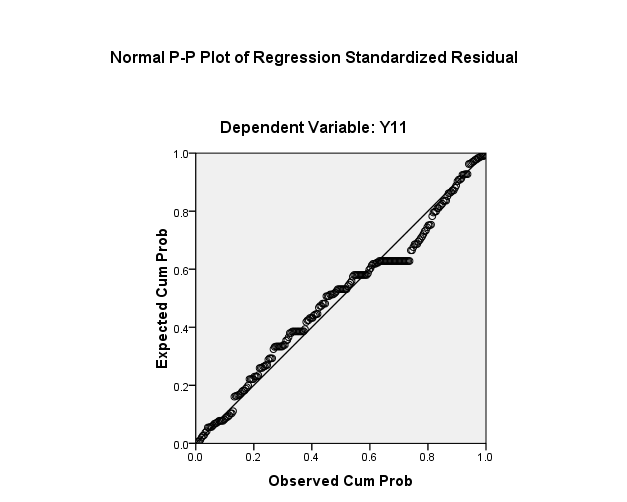
Y = a+b1x1+b2x2+b3X2+b4X4+b5X5+b6X6

Y = 0,169 + 0,291- 0,08 + 0,057+0,128+0,260+0,202

Untuk mengetahui uji pengaruh secara parsial menggunakan uji-T (contoh variabel X111 terhadap Y11, untuk X lainnya cara Analisa sama).

1. Berdasarkan nilai signifikansi (Sig.) dari output ANOVA
2. Jika nilai Sig. < probabilitas 0,05, maka hipotesa diterima. Maka berarti terdapat pengaruh variabel bebas variabel X111terhadap variabel terikat Y11.
3. Jika nilai Sig. > probabilitas 0,05, maka hipotesa ditolak. Maka berarti tidak terdapat pengaruh variabel bebas variabel X (X111, X112, X121, X122, X131 dan X132) terhadap variabel terikat Y11.
4. Berdasarkan perbandingan Nilai F Hitung dengan F Tabel
   1. Jika nilai t Hitung < t Tabel, maka hipotesa diterima. Maka berarti terdapat pengaruh variabel X (X111, X112, X121, X122, X131 dan X132) terhadap variabel Y11.
   2. Jika nilai t Hitung > t Tabel, maka hipotesa di tolak Maka berarti tidak terdapat pengaruh variabel X (X111, X112, X121, X122, X131 dan X132) terhadap variabel Y11.

(T Tabel 🡺 df (atau V > 29 menggunakan 1,645 dengan alfa = 5 % atau 0,05) 🡺 t Tabel = 1.645; sehingga t hitung > t Tabel = 4.143 > 1.645 sehingga hipotesa di tolak)



Berdasarkan diagram scatter menunjukkan bahwa hubungan antar variabel kuat terlihat pada nilai r = 0.827 (sesuai tabel di note (halaman terakhir nilai 0,60 – 0799 hubungan kuat).

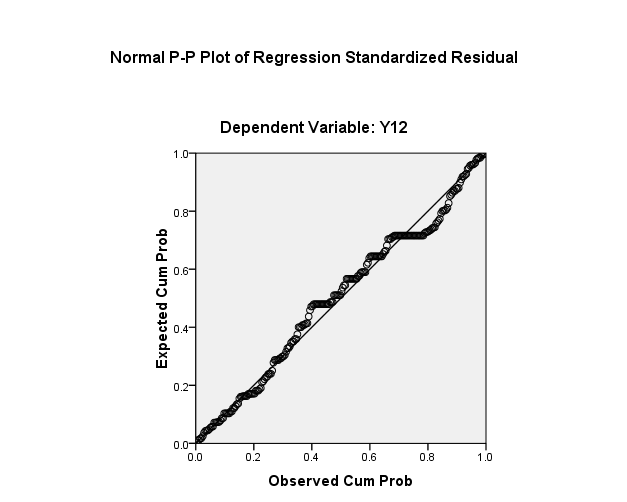
1. **Variabel X terhadap Y12**

| **Variables Entered/Removedb** | | | |
| --- | --- | --- | --- |
| Model | Variables Entered | Variables Removed | Method |
| 1 | X132, X121, X112, X131, X111, X122a | . | Enter |
| a. All requested variables entered. | | |  |
| b. Dependent Variable: Y12 | | |  |

| **Model Summaryb** | | | | |
| --- | --- | --- | --- | --- |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .823a | .678 | .669 | .545 |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |
| b. Dependent Variable: Y12 | | | |  |

| **ANOVAb** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 139.543 | 6 | 23.257 | 78.200 | .000a |
| Residual | 66.322 | 223 | .297 |  |  |
| Total | 205.865 | 229 |  |  |  |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |  |  |
| b. Dependent Variable: Y12 | | |  |  |  |  |

| **Coefficientsa** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | .238 | .164 |  | 1.445 | .150 |
| X111 | .078 | .067 | .087 | 1.160 | .247 |
| X112 | .152 | .065 | .174 | 2.329 | .021 |
| X121 | .258 | .063 | .265 | 4.070 | .000 |
| X122 | .101 | .076 | .106 | 1.331 | .185 |
| X131 | .134 | .068 | .136 | 1.971 | .050 |
| X132 | .169 | .074 | .176 | 2.263 | .025 |
| a. Dependent Variable: Y12 | | |  |  |  |  |



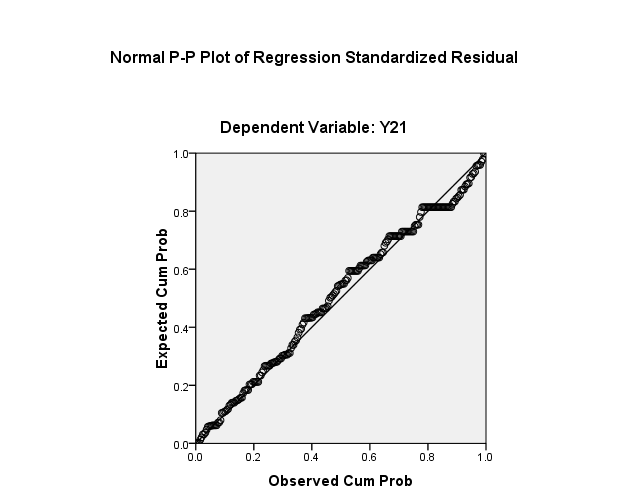
1. **Variabel X terhadap Y21**

| **Variables Entered/Removedb** | | | |
| --- | --- | --- | --- |
| Model | Variables Entered | Variables Removed | Method |
| 1 | X132, X121, X112, X131, X111, X122a | . | Enter |
| a. All requested variables entered. | | |  |
| b. Dependent Variable: Y21 | | |  |

| **Model Summaryb** | | | | |
| --- | --- | --- | --- | --- |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .778a | .606 | .595 | .591 |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |
| b. Dependent Variable: Y21 | | | |  |

| **ANOVAb** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 119.638 | 6 | 19.940 | 57.047 | .000a |
| Residual | 77.945 | 223 | .350 |  |  |
| Total | 197.583 | 229 |  |  |  |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |  |  |
| b. Dependent Variable: Y21 | | |  |  |  |  |

| **Coefficientsa** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | .438 | .178 |  | 2.457 | .015 |
| X111 | -.071 | .072 | -.082 | -.984 | .326 |
| X112 | .043 | .071 | .051 | .613 | .541 |
| X121 | .375 | .069 | .393 | 5.451 | .000 |
| X122 | -.103 | .082 | -.110 | -1.255 | .211 |
| X131 | .294 | .073 | .306 | 4.003 | .000 |
| X132 | .269 | .081 | .287 | 3.335 | .001 |
| a. Dependent Variable: Y21 | | |  |  |  |  |



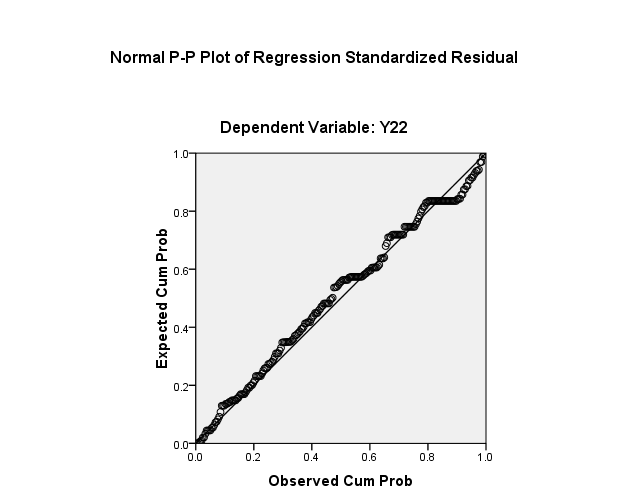
1. **Variabel X terhadap Y22**

| **Variables Entered/Removedb** | | | |
| --- | --- | --- | --- |
| Model | Variables Entered | Variables Removed | Method |
| 1 | X132, X121, X112, X131, X111, X122a | . | Enter |
| a. All requested variables entered. | | |  |
| b. Dependent Variable: Y22 | | |  |

| **Model Summaryb** | | | | |
| --- | --- | --- | --- | --- |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .765a | .586 | .575 | .586 |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |
| b. Dependent Variable: Y22 | | | |  |

| **ANOVAb** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 108.185 | 6 | 18.031 | 52.586 | .000a |
| Residual | 76.463 | 223 | .343 |  |  |
| Total | 184.648 | 229 |  |  |  |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |  |  |
| b. Dependent Variable: Y22 | | |  |  |  |  |

| **Coefficientsa** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | .584 | .177 |  | 3.304 | .001 |
| X111 | .016 | .072 | .019 | .222 | .824 |
| X112 | -.064 | .070 | -.078 | -.918 | .360 |
| X121 | .284 | .068 | .308 | 4.165 | .000 |
| X122 | .102 | .081 | .113 | 1.258 | .210 |
| X131 | .200 | .073 | .215 | 2.744 | .007 |
| X132 | .232 | .080 | .256 | 2.904 | .004 |
| a. Dependent Variable: Y22 | | |  |  |  |  |



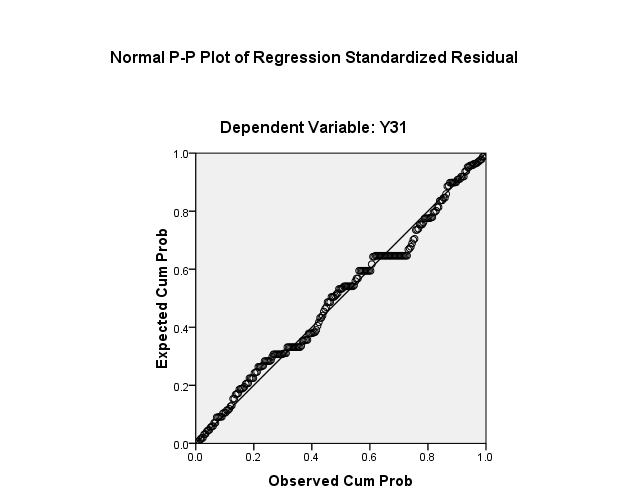
1. **Variabel X terhadap Y31**

| **Variables Entered/Removedb** | | | |
| --- | --- | --- | --- |
| Model | Variables Entered | Variables Removed | Method |
| 1 | X132, X121, X112, X131, X111, X122a | . | Enter |
| a. All requested variables entered. | | |  |
| b. Dependent Variable: Y31 | | |  |

| **Model Summaryb** | | | | |
| --- | --- | --- | --- | --- |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .822a | .676 | .667 | .585 |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |
| b. Dependent Variable: Y31 | | | |  |

| **ANOVAb** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 159.312 | 6 | 26.552 | 77.540 | .000a |
| Residual | 76.362 | 223 | .342 |  |  |
| Total | 235.674 | 229 |  |  |  |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |  |  |
| b. Dependent Variable: Y31 | | |  |  |  |  |

| **Coefficientsa** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | .180 | .176 |  | 1.018 | .310 |
| X111 | .356 | .072 | .375 | 4.955 | .000 |
| X112 | .040 | .070 | .043 | .571 | .569 |
| X121 | .074 | .068 | .072 | 1.095 | .275 |
| X122 | -.040 | .081 | -.039 | -.494 | .622 |
| X131 | .228 | .073 | .217 | 3.131 | .002 |
| X132 | .263 | .080 | .256 | 3.285 | .001 |
| a. Dependent Variable: Y31 | | |  |  |  |  |



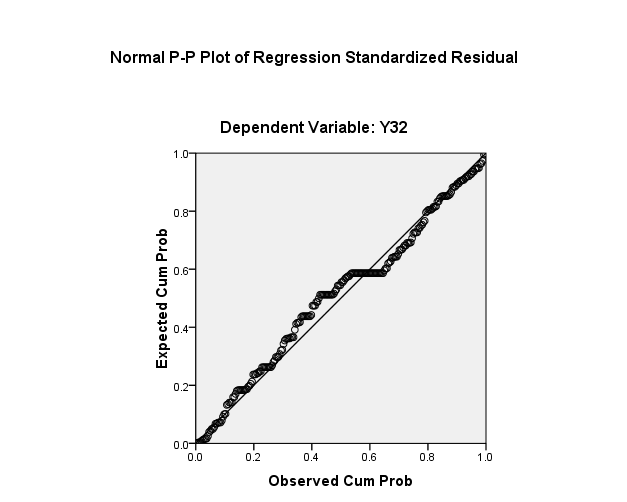
1. **Variabel X terhadap Y32**

| **Variables Entered/Removedb** | | | |
| --- | --- | --- | --- |
| Model | Variables Entered | Variables Removed | Method |
| 1 | X132, X121, X112, X131, X111, X122a | . | Enter |
| a. All requested variables entered. | | |  |
| b. Dependent Variable: Y32 | | |  |

| **Model Summaryb** | | | | |
| --- | --- | --- | --- | --- |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .816a | .666 | .657 | .595 |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |
| b. Dependent Variable: Y32 | | | |  |

| **ANOVAb** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 157.105 | 6 | 26.184 | 74.027 | .000a |
| Residual | 78.878 | 223 | .354 |  |  |
| Total | 235.983 | 229 |  |  |  |
| a. Predictors: (Constant), X132, X121, X112, X131, X111, X122 | | | | |  |  |
| b. Dependent Variable: Y32 | | |  |  |  |  |

| **Coefficientsa** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | .427 | .179 |  | 2.380 | .018 |
| X111 | .444 | .073 | .467 | 6.082 | .000 |
| X112 | -.047 | .071 | -.050 | -.657 | .512 |
| X121 | -.037 | .069 | -.036 | -.539 | .590 |
| X122 | .252 | .082 | .247 | 3.053 | .003 |
| X131 | .126 | .074 | .120 | 1.707 | .089 |
| X132 | .151 | .081 | .148 | 1.863 | .064 |
| a. Dependent Variable: Y32 | | |  |  |  |  |



Note:

Ini untuk interpretasi nilai R (regresi) di output regression

