

## **BAB V**

### **KESIMPULAN DAN SARAN**

#### **5.1. Kesimpulan**

Berdasarkan dari hasil analisa dan pembahasan pada bab sebelumnya, dapat di ambil kesimpulan sebagai berikut:

- 1) Variabel kredit investasi berpengaruh secara positif dan signifikan terhadap pertumbuhan ekonomi di Provinsi Daerah Istimewa Yogyakarta selama periode penelitian.
- 2) Variabel jumlah tenaga kerja berpengaruh secara negatif dan signifikan terhadap pertumbuhan ekonomi di Provinsi Daerah Istimewa Yogyakarta selama periode penelitian.
- 3) Variabel pengeluaran pembangunan berpengaruh secara positif dan signifikan terhadap pertumbuhan ekonomi di Provinsi Daerah Istimewa Yogyakarta selama periode penelitian.
- 4) Secara statistik variabel kredit investasi, jumlah tenaga kerja dan pengeluaran pembangunan mempengaruhi pertumbuhan ekonomi secara keseluruhan di Provinsi Daerah Istimewa Yogyakarta selama periode penelitian.

#### **5.2. Saran**

Berdasarkan hasil penelitian yang dilakukan, dapat dikemukakan saran dalam rangka untuk meningkatkan pertumbuhan ekonomi di Prvinsi DIY:

1. Diperlukan peningkatan kredit investasi, peran pemerintah sangat penting selain untuk mempermudah prosedur dan persetujuan pemerintah diharapkan dapat meyakinkan perusahaan-perusahaan dari luar untuk membeli modal usaha di daerah sehingga akan dapat meningkatkan pertumbuhan ekonomi di daerah tersebut.
2. Peningkatan kualitas sumber daya manusia yang ada sangat diharapkan dapat memacu pertumbuhan ekonomi. Salah satu cara yang dapat digunakan adalah dengan meningkatkan kesempatan untuk memperoleh pendidikan yang bermutu dan memberikan berbagai pelatihan bagi tenaga kerja untuk meningkatkan produktivitas karena sumber daya manusia khususnya penduduk usia kerja merupakan asset bagi pembangunan guna mencapai pertumbuhan yang diinginkan, maka pemerintah sebaiknya dapat meningkatkan atau menciptakan lapangan pekerjaan baru. Meningkatnya lapangan pekerjaan yang tersedia akan dapat menyerap angkatan kerja yang lebih banyak sehingga dapat menurunkan tingkat pengangguran.
3. Pembangunan sarana dan prasarana umum seperti jalan, sekolah, rumah sakit dan lain-lain yang dibiayai dari pengeluaran pembangunan dapat terus ditingkatkan, mengingat pembangunan yang dilakukan dapat mendukung terciptanya pertumbuhan ekonomi daerah dan tidak lepas juga pembangunan prasarana tersebut harus merata terutama untuk daerah – daerah yang masih tertinggal.

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## LAMPIRAN 1

### Data PDRB,Kredit Investasi, Tenaga Kerja dan Pengeluaran Pembangunan di DIY

| Tahun | PDRB<br>(Juta Rupiah) | Kredit Investasi<br>(Ribu Rupiah) | Tenaga Kerja<br>(orang) | Pengeluaran<br>Pembangunan<br>(Juta Rupiah) |
|-------|-----------------------|-----------------------------------|-------------------------|---------------------------------------------|
| 1989  | 8710794               | 515602                            | 162845                  | 15481967                                    |
| 1990  | 9108917               | 683275                            | 150269                  | 20389945                                    |
| 1991  | 9581911               | 706161                            | 154023                  | 28129457                                    |
| 1992  | 10246502              | 770775                            | 155684                  | 30172878                                    |
| 1993  | 10902322              | 708116                            | 151232                  | 33516669                                    |
| 1994  | 11786339              | 913740                            | 151286                  | 35169750                                    |
| 1995  | 12739625              | 1171230                           | 141552                  | 39938108                                    |
| 1996  | 13732755              | 1448114                           | 145321                  | 47172897                                    |
| 1997  | 14449977              | 1675384                           | 149394                  | 50200478                                    |
| 1998  | 12834451              | 1281994                           | 145095                  | 43230735                                    |
| 1999  | 12961385              | 1024177                           | 152487                  | 53014934                                    |
| 2000  | 13480599              | 1369947                           | 166350                  | 81407918                                    |
| 2001  | 14056321              | 1709175                           | 164579                  | 54310863                                    |
| 2002  | 14689240              | 2484202                           | 164419                  | 80994853                                    |
| 2003  | 15361277              | 3281631                           | 165810                  | 69426430                                    |
| 2004  | 16150064              | 5042497                           | 170180                  | 82761861                                    |
| 2005  | 16910877              | 6466684                           | 171034                  | 10767515                                    |
| 2006  | 17535749              | 7149856                           | 175057                  | 44327497                                    |
| 2007  | 18291512              | 8663474                           | 177424                  | 10422087                                    |
| 2008  | 19208938              | 10596560                          | 189220                  | 19183373                                    |
| 2009  | 20051496              | 12034977                          | 189564                  | 21023309                                    |

## LAMPIRAN 2

### Hasil LnY, LnKI, LnTK dan LnPP

| Tahun | LnY   | LnKI  | LnTK  | LnPP  |
|-------|-------|-------|-------|-------|
| 1989  | 15.98 | 13.15 | 12.00 | 16.55 |
| 1990  | 16.02 | 13.43 | 11.92 | 16.83 |
| 1991  | 16.07 | 13.46 | 11.94 | 17.15 |
| 1992  | 16.14 | 13.55 | 11.95 | 17.22 |
| 1993  | 16.20 | 13.47 | 11.92 | 17.32 |
| 1994  | 16.28 | 13.72 | 11.92 | 17.37 |
| 1995  | 16.36 | 13.97 | 11.86 | 17.50 |
| 1996  | 16.43 | 14.18 | 11.88 | 17.66 |
| 1997  | 16.48 | 14.33 | 11.91 | 17.73 |
| 1998  | 16.36 | 14.06 | 11.85 | 17.58 |
| 1999  | 16.37 | 13.83 | 11.93 | 17.75 |
| 2000  | 16.41 | 14.13 | 12.02 | 18.21 |
| 2001  | 16.45 | 14.35 | 12.01 | 17.81 |
| 2002  | 16.50 | 14.72 | 12.01 | 18.20 |
| 2003  | 16.54 | 15.00 | 12.01 | 18.05 |
| 2004  | 16.59 | 15.43 | 12.04 | 18.23 |
| 2005  | 16.64 | 15.68 | 12.04 | 16.19 |
| 2006  | 16.67 | 15.78 | 12.07 | 17.60 |
| 2007  | 16.72 | 15.97 | 12.08 | 16.15 |
| 2008  | 16.77 | 16.17 | 12.15 | 16.76 |
| 2009  | 16.81 | 16.30 | 12.15 | 16.86 |

### LAMPIRAN 3

#### Uji Mackinnon, White, and Davidson (MWD)

##### Output Pertama

Dependent Variable: Y  
 Method: Least Squares  
 Date: 05/12/11 Time: 04:59  
 Sample: 1989 2009  
 Included observations: 21

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.    |
|--------------------|-------------|-----------------------|-------------|----------|
| C                  | 21321175    | 4908199.              | 4.343992    | 0.0004   |
| KI                 | 1.220559    | 0.133770              | 9.124279    | 0.0000   |
| TK                 | -84.52476   | 33.32407              | -2.536447   | 0.0213   |
| PP                 | 0.053677    | 0.009741              | 5.510406    | 0.0000   |
| R-squared          | 0.933563    | Mean dependent var    |             | 13942431 |
| Adjusted R-squared | 0.921839    | S.D. dependent var    |             | 3275683. |
| S.E. of regression | 915791.2    | Akaike info criterion |             | 30.46261 |
| Sum squared resid  | 1.43E+13    | Schwarz criterion     |             | 30.66156 |
| Log likelihood     | -315.8574   | F-statistic           |             | 79.62752 |
| Durbin-Watson stat | 1.909342    | Prob(F-statistic)     |             | 0.000000 |

##### Output Kedua

Dependent Variable: LY  
 Method: Least Squares  
 Date: 05/12/11 Time: 05:05  
 Sample: 1989 2009  
 Included observations: 21

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.     |
|--------------------|-------------|-----------------------|-------------|-----------|
| C                  | 18.48531    | 3.147678              | 5.872680    | 0.0000    |
| LKI                | 0.276783    | 0.022383              | 12.36565    | 0.0000    |
| LTK                | -0.600243   | 0.274727              | -2.184873   | 0.0432    |
| LPP                | 0.064329    | 0.021435              | 3.001143    | 0.0080    |
| R-squared          | 0.952185    | Mean dependent var    |             | 16.42329  |
| Adjusted R-squared | 0.943747    | S.D. dependent var    |             | 0.241479  |
| S.E. of regression | 0.057273    | Akaike info criterion |             | -2.712320 |
| Sum squared resid  | 0.055764    | Schwarz criterion     |             | -2.513364 |
| Log likelihood     | 32.47936    | F-statistic           |             | 112.8451  |
| Durbin-Watson stat | 1.209177    | Prob(F-statistic)     |             | 0.000000  |

Dependent Variable: Y  
 Method: Least Squares  
 Date: 05/12/11 Time: 05:11  
 Sample: 1989 2009  
 Included observations: 21

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.    |
|--------------------|-------------|-----------------------|-------------|----------|
| C                  | 21047362    | 3951618.              | 5.326264    | 0.0001   |
| KI                 | 1.178603    | 0.108469              | 10.86575    | 0.0000   |
| TK                 | -80.25310   | 26.85631              | -2.988241   | 0.0087   |
| PP                 | 0.048052    | 0.008035              | 5.980164    | 0.0000   |
| Z1                 | -12234475   | 3823464.              | -3.199841   | 0.0056   |
| R-squared          | 0.959488    | Mean dependent var    |             | 13942431 |
| Adjusted R-squared | 0.949360    | S.D. dependent var    |             | 3275683. |
| S.E. of regression | 737135.7    | Akaike info criterion |             | 30.06319 |
| Sum squared resid  | 8.69E+12    | Schwarz criterion     |             | 30.31188 |
| Log likelihood     | -310.6635   | F-statistic           |             | 94.73673 |
| Durbin-Watson stat | 1.402490    | Prob(F-statistic)     |             | 0.000000 |

Dependent Variable: LY  
 Method: Least Squares  
 Date: 05/12/11 Time: 05:13  
 Sample: 1989 2009  
 Included observations: 21

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.     |
|--------------------|-------------|-----------------------|-------------|-----------|
| C                  | 19.22430    | 3.281755              | 5.857932    | 0.0000    |
| LKI                | 0.284788    | 0.024344              | 11.69846    | 0.0000    |
| LTK                | -0.673174   | 0.289082              | -2.328661   | 0.0333    |
| LPP                | 0.065424    | 0.021625              | 3.025387    | 0.0080    |
| Z2                 | -1.78E-08   | 2.05E-08              | -0.871187   | 0.3965    |
| R-squared          | 0.954350    | Mean dependent var    |             | 16.42329  |
| Adjusted R-squared | 0.942938    | S.D. dependent var    |             | 0.241479  |
| S.E. of regression | 0.057684    | Akaike info criterion |             | -2.663427 |
| Sum squared resid  | 0.053239    | Schwarz criterion     |             | -2.414731 |
| Log likelihood     | 32.96598    | F-statistic           |             | 83.62356  |
| Durbin-Watson stat | 1.490301    | Prob(F-statistic)     |             | 0.000000  |

## LAMPIRAN 4

### Uji Heteroskedastisitas dengan Metode White

#### No Cross Terms

White Heteroskedasticity Test:

|               |          |             |          |
|---------------|----------|-------------|----------|
| F-statistic   | 0.641652 | Probability | 0.671778 |
| Obs*R-squared | 3.700159 | Probability | 0.593340 |

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 05/12/11 Time: 05:48

Sample: 1989 2009

Included observations: 21

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.     |
|--------------------|-------------|-----------------------|-------------|-----------|
| C                  | 1.672372    | 1.596441              | 1.047563    | 0.3114    |
| LKI                | -0.085735   | 0.078000              | -1.099160   | 0.2890    |
| LKI^2              | 0.002914    | 0.002687              | 1.084271    | 0.2954    |
| LTK                | -0.012788   | 0.027390              | -0.466887   | 0.6473    |
| LPP                | -0.106951   | 0.105227              | -1.016387   | 0.3256    |
| LPP^2              | 0.003208    | 0.003089              | 1.038551    | 0.3155    |
| R-squared          | 0.176198    | Mean dependent var    |             | 0.002655  |
| Adjusted R-squared | -0.098403   | S.D. dependent var    |             | 0.003338  |
| S.E. of regression | 0.003498    | Akaike info criterion |             | -8.238027 |
| Sum squared resid  | 0.000184    | Schwarz criterion     |             | -7.939592 |
| Log likelihood     | 92.49929    | F-statistic           |             | 0.641652  |
| Durbin-Watson stat | 2.205880    | Prob(F-statistic)     |             | 0.671778  |

## Cross Terms

White Heteroskedasticity Test:

|               |          |             |          |
|---------------|----------|-------------|----------|
| F-statistic   | 1.521432 | Probability | 0.246974 |
| Obs*R-squared | 10.57448 | Probability | 0.226994 |

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 05/17/11 Time: 23:44

Sample: 1989 2009

Included observations: 21

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.  |
|--------------------|-------------|-----------------------|-------------|--------|
| C                  | 26.89309    | 9.966476              | 2.698355    | 0.0194 |
| LKI                | -0.451540   | 0.396786              | -1.137993   | 0.2773 |
| LKI^2              | -0.000238   | 0.004507              | -0.052789   | 0.9588 |
| LKI*LTK            | 0.039036    | 0.038931              | 1.002707    | 0.3358 |
| LKI*LPP            | -0.000593   | 0.002919              | -0.203193   | 0.8424 |
| LTK                | -2.149396   | 0.834726              | -2.574972   | 0.0243 |
| LTK*LPP            | 0.090531    | 0.040003              | 2.263115    | 0.0430 |
| LPP                | -1.227997   | 0.457338              | -2.685100   | 0.0198 |
| LPP^2              | 0.004355    | 0.003246              | 1.341485    | 0.2046 |
| R-squared          | 0.503547    | Mean dependent var    | 0.002655    |        |
| Adjusted R-squared | 0.172578    | S.D. dependent var    | 0.003338    |        |
| S.E. of regression | 0.003036    | Akaike info criterion | -8.458754   |        |
| Sum squared resid  | 0.000111    | Schwarz criterion     | -8.011101   |        |
| Log likelihood     | 97.81691    | F-statistic           | 1.521432    |        |
| Durbin-Watson stat | 2.347509    | Prob(F-statistic)     | 0.246974    |        |

## LAMPIRAN 5

### Uji Autokorelasi dengan Metode Breusch-Godfrey

Breusch-Godfrey Serial Correlation LM Test:

|               |          |             |          |
|---------------|----------|-------------|----------|
| F-statistic   | 1.430764 | Probability | 0.278866 |
| Obs*R-squared | 6.419046 | Probability | 0.169963 |

Test Equation:

Dependent Variable: RESID

Method: Least Squares

Date: 05/12/11 Time: 05:42

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.  |
|--------------------|-------------|-----------------------|-------------|--------|
| C                  | -0.474379   | 3.329797              | -0.142465   | 0.8889 |
| LKI                | -0.003213   | 0.021781              | -0.147521   | 0.8850 |
| LTK                | 0.044664    | 0.278733              | 0.160241    | 0.8752 |
| LPP                | -0.000862   | 0.032126              | -0.026836   | 0.9790 |
| RESID(-1)          | 0.394486    | 0.339773              | 1.161029    | 0.2665 |
| RESID(-2)          | 0.248448    | 0.292586              | 0.849147    | 0.4112 |
| RESID(-3)          | -0.412702   | 0.335124              | -1.231490   | 0.2400 |
| RESID(-4)          | -0.002279   | 0.315757              | -0.007217   | 0.9944 |
| R-squared          | 0.305669    | Mean dependent var    | -3.96E-15   |        |
| Adjusted R-squared | -0.068202   | S.D. dependent var    | 0.052803    |        |
| S.E. of regression | 0.054574    | Akaike info criterion | -2.696174   |        |
| Sum squared resid  | 0.038719    | Schwarz criterion     | -2.298261   |        |
| Log likelihood     | 36.30983    | F-statistic           | 0.817579    |        |
| Durbin-Watson stat | 1.930120    | Prob(F-statistic)     | 0.589271    |        |

## LAMPIRAN 6

### Uji Multikolinearitas dengan Metode Klein

Dependent Variable: LY

Method: Least Squares

Date: 05/12/11 Time: 05:23

Sample: 1989 2009

Included observations: 21

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.  |
|--------------------|-------------|-----------------------|-------------|--------|
| C                  | 18.48531    | 3.147678              | 5.872680    | 0.0000 |
| LKI                | 0.276783    | 0.022383              | 12.36565    | 0.0000 |
| LTK                | -0.600243   | 0.274727              | -2.184873   | 0.0432 |
| LPP                | 0.064329    | 0.021435              | 3.001143    | 0.0080 |
| R-squared          | 0.952185    | Mean dependent var    | 16.42329    |        |
| Adjusted R-squared | 0.943747    | S.D. dependent var    | 0.241479    |        |
| S.E. of regression | 0.057273    | Akaike info criterion | -2.712320   |        |
| Sum squared resid  | 0.055764    | Schwarz criterion     | -2.513364   |        |
| Log likelihood     | 32.47936    | F-statistic           | 112.8451    |        |
| Durbin-Watson stat | 1.209177    | Prob(F-statistic)     | 0.000000    |        |

Dependent Variable: LKI

Method: Least Squares

Date: 05/12/11 Time: 05:28

Sample: 1989 2009

Included observations: 21

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.  |
|--------------------|-------------|-----------------------|-------------|--------|
| C                  | -106.8737   | 21.54301              | -4.960948   | 0.0001 |
| LTK                | 10.00344    | 1.676251              | 5.967746    | 0.0000 |
| LPP                | 0.083601    | 0.224852              | 0.371803    | 0.7144 |
| R-squared          | 0.676014    | Mean dependent var    | 14.51256    |        |
| Adjusted R-squared | 0.640016    | S.D. dependent var    | 1.005198    |        |
| S.E. of regression | 0.603105    | Akaike info criterion | 1.958114    |        |
| Sum squared resid  | 6.547248    | Schwarz criterion     | 2.107331    |        |
| Log likelihood     | -17.56019   | F-statistic           | 18.77900    |        |
| Durbin-Watson stat | 0.589021    | Prob(F-statistic)     | 0.000039    |        |

Dependent Variable: LTK  
 Method: Least Squares  
 Date: 05/12/11 Time: 05:31  
 Sample: 1989 2009  
 Included observations: 21

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.  |
|--------------------|-------------|-----------------------|-------------|--------|
| C                  | 11.34592    | 0.375934              | 30.18064    | 0.0000 |
| LKI                | 0.066404    | 0.011127              | 5.967746    | 0.0000 |
| LPP                | -0.018439   | 0.017869              | -1.031899   | 0.3158 |
| R-squared          | 0.691760    | Mean dependent var    | 11.98926    |        |
| Adjusted R-squared | 0.657512    | S.D. dependent var    | 0.083964    |        |
| S.E. of regression | 0.049138    | Akaike info criterion | -3.056816   |        |
| Sum squared resid  | 0.043461    | Schwarz criterion     | -2.907598   |        |
| Log likelihood     | 35.09657    | F-statistic           | 20.19807    |        |
| Durbin-Watson stat | 0.885259    | Prob(F-statistic)     | 0.000025    |        |

Dependent Variable: LPP  
 Method: Least Squares  
 Date: 05/12/11 Time: 05:33  
 Sample: 1989 2009  
 Included observations: 21

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.  |
|--------------------|-------------|-----------------------|-------------|--------|
| C                  | 52.36657    | 32.33725              | 1.619388    | 0.1228 |
| LKI                | 0.091164    | 0.245193              | 0.371803    | 0.7144 |
| LTK                | -3.029036   | 2.935401              | -1.031899   | 0.3158 |
| R-squared          | 0.088889    | Mean dependent var    | 17.37368    |        |
| Adjusted R-squared | -0.012346   | S.D. dependent var    | 0.625942    |        |
| S.E. of regression | 0.629794    | Akaike info criterion | 2.044717    |        |
| Sum squared resid  | 7.139537    | Schwarz criterion     | 2.193934    |        |
| Log likelihood     | -18.46953   | F-statistic           | 0.878045    |        |
| Durbin-Watson stat | 1.443933    | Prob(F-statistic)     | 0.432657    |        |

## LAMPIRAN 7

### Hasil Regresi

Dependent Variable: LY

Method: Least Squares

Date: 05/12/11 Time: 05:05

Sample: 1989 2009

Included observations: 21

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.  |
|--------------------|-------------|-----------------------|-------------|--------|
| C                  | 18.48531    | 3.147678              | 5.872680    | 0.0000 |
| LKI                | 0.276783    | 0.022383              | 12.36565    | 0.0000 |
| LTK                | -0.600243   | 0.274727              | -2.184873   | 0.0432 |
| LPP                | 0.064329    | 0.021435              | 3.001143    | 0.0080 |
| R-squared          | 0.952185    | Mean dependent var    | 16.42329    |        |
| Adjusted R-squared | 0.943747    | S.D. dependent var    | 0.241479    |        |
| S.E. of regression | 0.057273    | Akaike info criterion | -2.712320   |        |
| Sum squared resid  | 0.055764    | Schwarz criterion     | -2.513364   |        |
| Log likelihood     | 32.47936    | F-statistic           | 112.8451    |        |
| Durbin-Watson stat | 1.209177    | Prob(F-statistic)     | 0.000000    |        |