

## LAMPIRAN

### Lampiran I

#### Data Penelitian

| Country                   | Happiness<br>% | GDP Perkapita<br>USD | HDI<br>% | Economic<br>Growth<br>% | Indeks Gini<br>% |
|---------------------------|----------------|----------------------|----------|-------------------------|------------------|
| Afghanistan               | 3.632          | 550.068              | 0.498    | 2.67                    | 27.82            |
| Albania                   | 4.586          | 4537.579             | 0.785    | 3.84                    | 29.00            |
| Algeria                   | 5.295          | 4123.39              | 0.754    | 1.60                    | 27.60            |
| Angola                    | 3.800          | 4100.29              | 0.581    | -0.15                   | 42.70            |
| Argentina                 | 6.388          | 14398.36             | 0.825    | 2.85                    | 42.70            |
| Armenia                   | 4.321          | 3936.798             | 0.755    | 7.50                    | 32.40            |
| Australia                 | 7.272          | 53799.94             | 0.939    | 1.96                    | 34.70            |
| Austria                   | 7.139          | 47290.91             | 0.908    | 3.04                    | 30.50            |
| Azerbaijan                | 5.201          | 4131.618             | 0.757    | 0.10                    | 31.80            |
| Bangladesh                | 4.500          | 1516.513             | 0.608    | 7.28                    | 32.10            |
| Belarus                   | 5.483          | 5727.512             | 0.808    | 2.42                    | 26.70            |
| Belgium                   | 6.927          | 43323.81             | 0.916    | 1.73                    | 28.10            |
| Belize                    | 5.956          | 4971.202             | 0.708    | 1.44                    | 53.30            |
| Benin                     | 4.141          | 827.3937             | 0.515    | 5.84                    | 47.80            |
| Bhutan                    | 5.082          | 3130.234             | 0.612    | 4.63                    | 38.80            |
| Bolivia                   | 5.752          | 3393.956             | 0.693    | 4.20                    | 45.80            |
| Bosnia and<br>Herzegovina | 5.129          | 5148.209             | 0.768    | 3.19                    | 33.80            |

|                          |       |          |       |       |       |
|--------------------------|-------|----------|-------|-------|-------|
| Botswana                 | 3.590 | 7595.611 | 0.717 | 2.36  | 60.50 |
| Brazil                   | 6.419 | 9821.408 | 0.759 | 0.98  | 51.30 |
| Bulgaria                 | 4.933 | 8227.96  | 0.813 | 3.81  | 37.40 |
| Burkina Faso             | 4.424 | 642.0371 | 0.423 | 6.30  | 35.30 |
| Burundi                  | 2.905 | 292.0052 | 0.417 | 0.50  | 39.20 |
| Cambodia                 | 4.433 | 1384.42  | 0.582 | 7.10  | 30.76 |
| Cameroon                 | 4.975 | 1451.866 | 0.556 | 3.55  | 46.50 |
| Canada                   | 7.328 | 45032.12 | 0.926 | 3.05  | 34.00 |
| Central African Republic | 3.083 | 418.4113 | 0.367 | 4.3   | 56.20 |
| Chad                     | 4.301 | 669.89   | 0.404 | -2.95 | 43.30 |
| Chile                    | 6.476 | 15346.45 | 0.843 | 1.49  | 47.70 |
| China                    | 5.246 | 8826.994 | 0.752 | 6.90  | 42.20 |
| Colombia                 | 6.260 | 6408.92  | 0.747 | 1.79  | 51.10 |
| Comoros                  | 3.956 | 1312.334 | 0.503 | 2.71  | 45.00 |
| Congo. Dem. Rep.         | 4.245 | 462.7795 | 0.457 | 3.70  | 42.10 |
| Congo. Rep.              | 4.559 | 1654.01  | 0.606 | -3.1  | 48.90 |
| Costa Rica               | 7.072 | 11677.27 | 0.794 | 3.28  | 48.20 |
| Cote d'Ivoire            | 4.671 | 1537.504 | 0.492 | 7.70  | 41.70 |
| Croatia                  | 5.321 | 13294.51 | 0.831 | 2.92  | 32.20 |
| Cyprus                   | 5.762 | 25233.57 | 0.869 | 4.23  | 35.60 |
| Czech Republic           | 6.711 | 20368.14 | 0.888 | 4.29  | 25.90 |
| Denmark                  | 7.555 | 56307.51 | 0.929 | 2.24  | 28.50 |
| Djibouti                 | 4.369 | 1927.59  | 0.476 | 4.09  | 44.10 |

|                         |       |          |       |       |       |
|-------------------------|-------|----------|-------|-------|-------|
| Dominican Republic      | 5.302 | 7052.259 | 0.736 | 4.55  | 44.90 |
| Ecuador                 | 5.973 | 6273.489 | 0.752 | 2.37  | 46.50 |
| Egypt. Arab Rep.        | 4.419 | 2412.727 | 0.696 | 4.18  | 31.80 |
| El Salvador             | 6.167 | 3889.31  | 0.674 | 2.32  | 40.80 |
| Estonia                 | 5.739 | 19704.66 | 0.871 | 4.85  | 34.60 |
| Ethiopia                | 4.350 | 767.5635 | 0.463 | 10.25 | 33.20 |
| Finland                 | 7.632 | 45703.33 | 0.92  | 2.63  | 26.80 |
| France                  | 6.489 | 38476.66 | 0.901 | 1.82  | 32.30 |
| Gabon                   | 4.758 | 7413.795 | 0.702 | 0.50  | 42.20 |
| Georgia                 | 4.340 | 4057.286 | 0.78  | 4.83  | 38.50 |
| Germany                 | 6.965 | 44469.91 | 0.936 | 2.22  | 31.40 |
| Ghana                   | 4.657 | 2046.11  | 0.592 | 8.14  | 42.20 |
| Greece                  | 5.358 | 18613.42 | 0.87  | 1.35  | 35.80 |
| Guatemala               | 6.382 | 4470.99  | 0.65  | 2.76  | 48.70 |
| Guinea                  | 3.964 | 823.4937 | 0.459 | 10.6  | 33.70 |
| Haiti                   | 3.582 | 765.6839 | 0.498 | 1.17  | 40.90 |
| Honduras                | 5.504 | 2480.126 | 0.617 | 4.79  | 50.10 |
| Hong Kong SAR.<br>China | 5.430 | 46193.61 | 0.933 | 3.79  | 43.44 |
| Hungary                 | 5.620 | 14224.85 | 0.838 | 3.99  | 30.90 |
| Iceland                 | 7.495 | 70056.87 | 0.935 | 3.64  | 25.60 |
| India                   | 4.190 | 1942.097 | 0.64  | 6.68  | 35.20 |
| Indonesia               | 5.262 | 3846.864 | 0.694 | 5.07  | 39.30 |
| Iran. Islamic Rep.      | 4.707 | 5593.854 | 0.798 | 3.76  | 38.80 |

|                 |       |           |       |       |       |
|-----------------|-------|-----------|-------|-------|-------|
| Iraq            | 4.456 | 5017.968  | 0.685 | -2.07 | 29.50 |
| Ireland         | 6.977 | 69330.69  | 0.938 | 7.80  | 31.90 |
| Israel          | 7.190 | 40270.25  | 0.903 | 3.33  | 41.40 |
| Italy           | 6.000 | 31952.98  | 0.88  | 1.50  | 34.70 |
| Jamaica         | 5.890 | 5114.041  | 0.732 | 0.98  | 45.50 |
| Japan           | 5.915 | 38428.1   | 0.909 | 1.71  | 32.10 |
| Jordan          | 5.161 | 4129.752  | 0.735 | 1.97  | 33.70 |
| Kazakhstan      | 5.790 | 9030.384  | 0.8   | 4.10  | 26.50 |
| Kenya           | 4.410 | 1594.835  | 0.59  | 4.87  | 48.50 |
| Korea. Rep.     | 5.875 | 29742.84  | 0.903 | 3.06  | 31.60 |
| Kyrgyz Republic | 5.131 | 1219.824  | 0.672 | 4.58  | 29.00 |
| Laos PDR        | 4.623 | 2457.377  | 0.601 | 6.89  | 36.40 |
| Latvia          | 5.933 | 15594.29  | 0.847 | 4.55  | 35.10 |
| Lebanon         | 5.199 | 8808.589  | 0.757 | 1.53  | 31.80 |
| Lesotho         | 3.808 | 1154.444  | 0.52  | -2.29 | 54.20 |
| Liberia         | 3.495 | 694.3196  | 0.435 | 2.47  | 33.20 |
| Lithuania       | 5.952 | 16680.68  | 0.858 | 3.83  | 37.70 |
| Luxembourg      | 6.910 | 104103.03 | 0.904 | 2.30  | 31.20 |
| Macedonia. FYR  | 5.185 | 5414.615  | 0.757 | 0.24  | 35.60 |
| Madagascar      | 3.774 | 449.7224  | 0.519 | 4.17  | 42.70 |
| Malawi          | 3.587 | 338.4844  | 0.477 | 4.00  | 46.10 |
| Malaysia        | 6.322 | 9951.544  | 0.802 | 5.90  | 46.30 |
| Mali            | 4.447 | 827.0064  | 0.427 | 5.40  | 33.00 |

|             |       |          |       |       |       |
|-------------|-------|----------|-------|-------|-------|
| Mauritania  | 4.356 | 1136.765 | 0.52  | 3.50  | 32.40 |
| Mauritius   | 5.891 | 10490.5  | 0.79  | 3.82  | 35.80 |
| Mexico      | 6.488 | 8910.333 | 0.774 | 2.04  | 48.20 |
| Moldova     | 5.640 | 2289.878 | 0.7   | 4.50  | 27.00 |
| Mongolia    | 5.125 | 3717.473 | 0.741 | 5.30  | 32.00 |
| Montenegro  | 5.347 | 7782.84  | 0.814 | 4.70  | 31.90 |
| Morocco     | 5.254 | 3007.243 | 0.667 | 4.09  | 40.70 |
| Mozambique  | 4.417 | 426.222  | 0.437 | 3.74  | 45.60 |
| Myanmar     | 4.308 | 1256.661 | 0.578 | 6.76  | 38.10 |
| Namibia     | 4.441 | 5230.772 | 0.647 | -0.95 | 61.00 |
| Nepal       | 5.155 | 849.011  | 0.574 | 7.91  | 32.80 |
| Netherlands | 7.441 | 48223.16 | 0.931 | 3.16  | 28.60 |
| New Zealand | 7.324 | 42940.58 | 0.917 | 3.03  | 36.17 |
| Nicaragua   | 6.141 | 2221.806 | 0.658 | 4.86  | 46.60 |
| Niger       | 4.166 | 378.0593 | 0.354 | 4.89  | 34.00 |
| Nigeria     | 5.155 | 1968.426 | 0.532 | 0.81  | 43.00 |
| Norway      | 7.594 | 75504.57 | 0.953 | 1.92  | 26.80 |
| Pakistan    | 5.472 | 1547.853 | 0.562 | 5.70  | 30.70 |
| Panama      | 6.430 | 15196.4  | 0.789 | 5.32  | 51.00 |
| Paraguay    | 5.681 | 5823.766 | 0.702 | 5.21  | 48.00 |
| Peru        | 5.663 | 6571.929 | 0.75  | 2.53  | 44.30 |
| Philippines | 5.524 | 2988.953 | 0.699 | 6.68  | 40.10 |
| Poland      | 6.123 | 13863.18 | 0.865 | 4.81  | 32.10 |

|                    |       |          |       |       |       |
|--------------------|-------|----------|-------|-------|-------|
| Portugal           | 5.410 | 21136.3  | 0.847 | 2.68  | 35.60 |
| Qatar              | 6.374 | 63249.42 | 0.856 | 1.58  | 41.10 |
| Romania            | 5.945 | 10817.83 | 0.811 | 7.26  | 27.50 |
| Russian Federation | 5.810 | 10743.1  | 0.816 | 1.55  | 37.70 |
| Rwanda             | 3.408 | 748.2921 | 0.524 | 6.06  | 50.40 |
| Saudi Arabia       | 6.371 | 20849.29 | 0.853 | -0.86 | 45.90 |
| Senegal            | 4.631 | 1329.304 | 0.505 | 7.15  | 40.30 |
| Serbia             | 5.398 | 5900.038 | 0.787 | 1.87  | 29.10 |
| Sierra Leone       | 4.571 | 499.5291 | 0.419 | 4.21  | 34.00 |
| Singapore          | 6.343 | 57714.3  | 0.932 | 3.62  | 42.48 |
| Slovak Republic    | 6.173 | 17604.95 | 0.855 | 3.40  | 26.10 |
| Slovenia           | 5.948 | 23597.29 | 0.896 | 5.00  | 25.70 |
| South Africa       | 4.724 | 6151.078 | 0.699 | 1.32  | 63.40 |
| Spain              | 6.310 | 28156.82 | 0.891 | 3.05  | 36.00 |
| Sri Lanka          | 4.471 | 4065.22  | 0.77  | 3.31  | 39.20 |
| Sudan              | 4.139 | 2898.549 | 0.502 | 4.28  | 35.40 |
| Suriname           | 6.270 | 5317.39  | 0.72  | 1.69  | 57.60 |
| Sweden             | 7.314 | 53442.01 | 0.933 | 2.29  | 27.20 |
| Switzerland        | 7.487 | 80189.7  | 0.944 | 1.09  | 32.50 |
| Tajikistan         | 5.352 | 801.0509 | 0.65  | 7.62  | 34.00 |
| Tanzania           | 3.303 | 936.3308 | 0.538 | 7.1   | 37.80 |
| Thailand           | 6.072 | 6595.004 | 0.755 | 3.91  | 37.80 |
| Togo               | 3.999 | 610.1517 | 0.503 | 4.40  | 43.00 |

|                     |           |               |       |                 |             |
|---------------------|-----------|---------------|-------|-----------------|-------------|
| Trinidad and Tobago | 6.192     | 16126.37      | 0.784 | -2.34           | 40.30       |
| Tunisia             | 4.592     | 3464.417      | 0.735 | 1.96            | 35.80       |
| Turkey              | 5.483     | 10546.15      | 0.791 | 7.44            | 41.20       |
| Turkmenistan        | 5.636     | 6586.626      | 0.706 | 6.50            | 40.80       |
| Uganda              | 4.161     | 606.4685      | 0.516 | 3.86            | 41.00       |
| Ukraine             | 4.103     | 2639.824      | 0.751 | 2.52            | 25.50       |
| United Kingdom      | 6.814     | 39720.44      | 0.922 | 1.79            | 34.10       |
| United States       | 6.886     | 59531.66      | 0.924 | 2.27            | 41.00       |
| Uruguay             | 6.379     | 16245.6       | 0.804 | 2.66            | 41.70       |
| Uzbekistan          | 6.096     | 1533.852      | 0.71  | 5.30            | 35.30       |
| Vietnam             | 5.103     | 2342.244      | 0.694 | 6.81            | 34.80       |
| Yemen. Rep.         | 3.355     | 1106.804      | 0.452 | -5.94           | 36.70       |
| Zambia              | 4.377     | 1513.276      | 0.588 | 3.40            | 57.10       |
| Zimbabwe            | 3.692     | 1333.396      | 0.535 | 4.70            | 43.20       |
| Country             | Happiness | GDP Perkapita | HDI   | Economic Growth | Indeks Gini |
| Afghanistan         | 3.632     | 550.068       | 0.498 | 2.67            | 27.82       |

## Lampiran II

## Statistika Deskriptif

|                 | HAPPINESS | GDP_CAP  | HDI       | PE        | GINI_IND |
|-----------------|-----------|----------|-----------|-----------|----------|
| Mean            | 5.365349  | 14078.88 | 0.712733  | 3.502055  | 38.38336 |
| Median          | 5.349500  | 5386.855 | 0.744000  | 3.585000  | 37.05000 |
| Maximum         | 7.632000  | 104498.7 | 0.953000  | 10.60000  | 63.40000 |
| Minimum         | 2.905000  | 293.0091 | 0.354000  | -5.940000 | 25.50000 |
| Std. Dev.       | 1.122599  | 19937.76 | 0.159346  | 2.533960  | 8.170138 |
| Skewness        | 0.079978  | 2.015878 | -0.367192 | -0.302721 | 0.647354 |
| Kurtosis        | 2.247492  | 6.764302 | 2.056474  | 4.297885  | 3.098722 |
| Jarque-Bera     |           |          |           |           |          |
| Probability     | 3.600446  | 185.0856 | 8.696495  | 12.47731  | 10.25658 |
| Sum             | 0.165262  | 0.000000 | 0.012929  | 0.001952  | 0.005927 |
| Sum Sq.<br>Dev. |           |          |           |           |          |
| Observations    | 783.3410  | 2055516. | 104.0590  | 511.3000  | 5603.970 |



## Lampiran III

## Analisis regresi Berganda

Dependent Variable: HAPPINESS

Method: Least Squares

Date: 07/11/19 Time: 14:02

Sample: 1 146

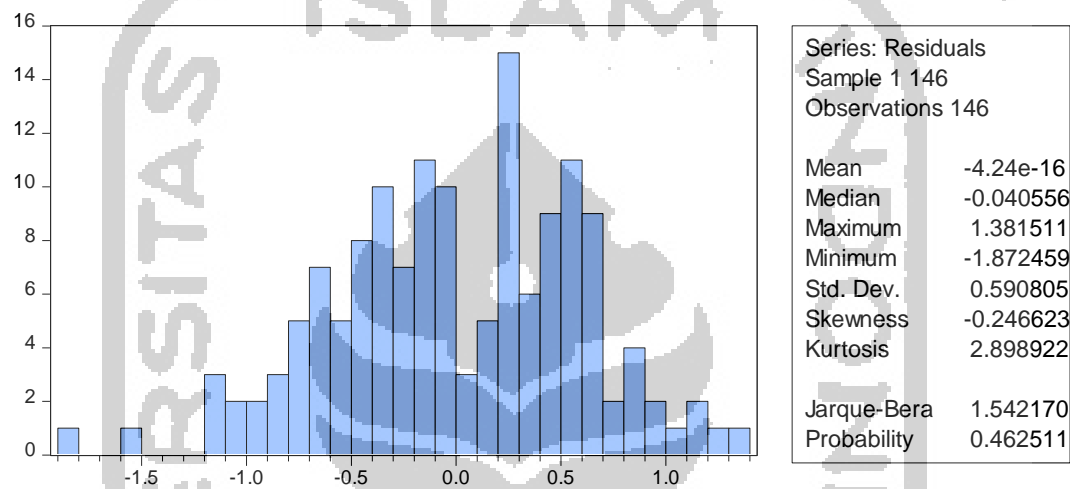
Included observations: 146

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.  |
|--------------------|-------------|-----------------------|-------------|--------|
| C                  | 1.463711    | 0.450938              | 3.245921    | 0.0015 |
| GDP_CAP            | 1.68E-05    | 3.61E-06              | 4.636514    | 0.0000 |
| HDI                | 4.520741    | 0.453680              | 9.964592    | 0.0000 |
| PE                 | 0.023478    | 0.020535              | 1.143292    | 0.2549 |
| GINI_IND           | 0.009417    | 0.006658              | 1.414378    | 0.1595 |
| R-squared          | 0.723026    | Mean dependent var    | 5.365349    |        |
| Adjusted R-squared | 0.715169    | S.D. dependent var    | 1.122599    |        |
| S.E. of regression | 0.599126    | Akaike info criterion | 1.846958    |        |
| Sum squared resid  | 50.61230    | Schwarz criterion     | 1.949137    |        |
| Log likelihood     | -129.8280   | Hannan-Quinn criter.  | 1.888476    |        |
| F-statistic        | 92.01836    | Durbin-Watson stat    | 2.138575    |        |
| Prob(F-statistic)  | 0.000000    |                       |             |        |

## Lampiran IV

## Uji Asumsi Klasik

## Normalitas



## Heteroskedastisitas

## Heteroskedasticity Test: White

|                     |          |                      |        |
|---------------------|----------|----------------------|--------|
| F-statistic         | 2.215421 | Prob. F(14,131)      | 0.0102 |
| Obs*R-squared       | 27.94986 | Prob. Chi-Square(14) | 0.0144 |
| Scaled explained SS | 24.75080 | Prob. Chi-Square(14) | 0.0371 |

## Multikolinieritas

|          | GDP_CAP | HDI     | PE      | GINI_IND |
|----------|---------|---------|---------|----------|
| GDP_CAP  | 1       | 0.7148  | -0.1657 | -0.3063  |
| HDI      | 0.7148  | 1       | -0.1618 | -0.3171  |
| PE       | -0.1657 | -0.1618 | 1       | -0.1601  |
| GINI_IND | -0.3063 | -0.3171 | -0.1601 | 1        |

## Autokorelasi

Breusch-Godfrey Serial Correlation LM Test:

|               |          |                     |        |
|---------------|----------|---------------------|--------|
| F-statistic   | 1.185635 | Prob. F(2,139)      | 0.3086 |
| Obs*R-squared | 2.448910 | Prob. Chi-Square(2) | 0.2939 |

## Lampiran V

## Penyembuhan heteroskedastisitas

Dependent Variable: HAPPINESS

Method: Least Squares

Date: 07/11/19 Time: 23:34

Sample: 1 146

Included observations: 146

White heteroskedasticity-consistent standard errors &amp; covariance

| Variable               | Coefficient | Std. Error            | t-Statistic | Prob.    |
|------------------------|-------------|-----------------------|-------------|----------|
| C                      | 1.463711    | 0.520366              | 2.812847    | 0.0056   |
| GDP_CAP                | 1.68E-05    | 3.48E-06              | 4.818010    | 0.0000   |
| HDI                    | 4.520741    | 0.452346              | 9.993990    | 0.0000   |
| PE                     | 0.023478    | 0.017129              | 1.370629    | 0.1727   |
| GINI_IND               | 0.009417    | 0.008480              | 1.110465    | 0.2687   |
| R-squared              | 0.723026    | Mean dependent var    |             | 5.365349 |
| Adjusted R-squared     | 0.715169    | S.D. dependent var    |             | 1.122599 |
| S.E. of regression     | 0.599126    | Akaike info criterion |             | 1.846958 |
| Sum squared resid      | 50.61230    | Schwarz criterion     |             | 1.949137 |
| Log likelihood         | -129.8280   | Hannan-Quinn criter.  |             | 1.888476 |
| F-statistic            | 92.01836    | Durbin-Watson stat    |             | 2.138575 |
| Prob(F-statistic)      | 0.000000    | Wald F-statistic      |             | 105.6586 |
| Prob(Wald F-statistic) | 0.000000    |                       |             |          |