

# LAMPIRAN

**DATA MENTAH**

<b>Tahun</b>	<b>PAD (Juta)</b>	<b>PDRB (Juta)</b>	<b>Wisatawan (Orang)</b>	<b>Hotel</b>
1987	1146,147	6993887,26	531709	78
1988	1358,498	7348343,46	502049	84
1989	1751,822	7880719,95	913437	99
1990	2083,644	8483540,91	2340859	106
1991	2384,367	9231718,49	2493632	117
1992	2955,461	9925025,52	1456404	119
1993	2900,155	10660397,88	1418671	145
1994	3467,932	11560219,52	1488782	163
1995	5168,421	12503614,74	2180071	179
1996	7442,337	13535561,53	2150470	198
1997	10583,958	14019973,56	1314818	211
1998	13464,878	12894494,31	714200	220
1999	14786,416	13151263,87	966073	220
2000	17889,885	13592373,84	2089652	256
2001	29571,153	14112906,82	4118216	259
2002	38908,193	14782295,93	2243775	278
2003	52978,731	15492140,86	660856	296
2004	70499,05	16304962,83	3586033	341
2005	77904,743	17124657,50	1993447	337
2006	90422,836	17894827,62	1056463	364
2007	120951,408	18719015,33	1691274	365
2008	138637,705	19678516,63	2336900	402
2009	157231,268	20559297,06	3895824	402
2010	163632,984	21481644,00	2416927	420
2011	226723,271	22645851,90	2827900	393
2012	301069,539	23957112,80	3169450	394
2013	455998,565	25367414,2	3359077	389
2014	573337,6	26713071,20	4091445	392
2015	643130,0798	28098006,90	4950934	363
2016	717151,176	29573995,00	5720468	354
2017	825637,7517	31155675,6	6814558	358

### LANGKAH TRANSFORMASI DATA

ladder Y /PAD			
Transformation	Formula	chi2(2)	P(chi2)
Cubic	$Y^3$	27.48	0.000
Square	$Y^2$	21.49	0.000
Identity	$Y$	12.86	0.002
square root	$\sqrt{Y}$	5.48	0.064
Log	$\log(Y)$	7.62	0.022
<b>1/(square root)</b>	<b><math>1/\sqrt{Y}</math></b>	<b>5.17</b>	<b>0.075</b>
Inverse	$1/Y$	12.92	0.002
1/square	$1/(Y^2)$	26.44	0.000
1/cubic	$1/(Y^3)$	33.80	0.000
. ladder X1/PDRB			
Transformation	Formula	chi2(2)	P(chi2)
Cubic	$X1^3$	11.16	0.004
Square	$X1^2$	6.33	0.042
Identity	$X1$	2.64	0.267
square root	$\sqrt{X1}$	2.00	0.367
Log	$\log(X1)$	1.61	0.447
<b>1/(square root)</b>	<b><math>1/\sqrt{X1}</math></b>	<b>1.94</b>	<b>0.380</b>
Inverse	$1/X1$	4.21	0.122
1/square	$1/(X1^2)$	10.26	0.006
1/cubic	$1/(X1^3)$	15.89	0.000
. ladder X2/Wisatawan			
Transformation	Formula	chi2(2)	P(chi2)
Cubic	$X2^3$	29.96	0.000
Square	$X2^2$	20.42	0.000
Identity	$X2$	6.71	0.035
square root	$\sqrt{X2}$	0.93	0.627
<b>Log</b>	<b><math>\log(X2)</math></b>	<b>1.03</b>	<b>0.599</b>
1/(square root)	$1/\sqrt{X2}$	5.34	0.069
Inverse	$1/X2$	10.97	0.004
1/square	$1/(X2^2)$	20.46	0.000
1/cubic	$1/(X2^3)$	26.33	0.000

. ladder X3/Hotel			
Transformation	Formula	chi2(2)	P(chi2)
cubic	$X^3$	20.07	0.000
square	$X^2$	20.29	0.000
identity	$X$	10.92	0.004
square root	$\sqrt{X}$	6.30	0.043
log	$\log(X)$	4.40	0.111
<b>1/(square root)</b>	<b><math>1/\sqrt{X}</math></b>	<b>5.56</b>	<b>0.062</b>
inverse	$1/X$	8.60	0.014
1/square	$1/(X^2)$	16.09	0.000
1/cubic	$1/(X^3)$	22.68	0.000

### HASIL TRANSFORMASI DATA

Tahun	PAD	PDRB	Wisatawan	Hotel
1987	0,0300	0,0004	5,7300	0,1100
1988	0,0300	0,0004	5,7000	0,1100
1989	0,0200	0,0004	5,9600	0,1000
1990	0,0200	0,0003	6,3700	0,1000
1991	0,0200	0,0003	6,4000	0,0900
1992	0,0200	0,0003	6,1600	0,0900
1993	0,0200	0,0003	6,1500	0,0800
1994	0,0200	0,0003	6,1700	0,0800
1995	0,0100	0,0003	6,3400	0,0700
1996	0,0100	0,0003	6,3300	0,0700
1997	0,0100	0,0003	6,1200	0,0700
1998	0,0100	0,0003	5,8500	0,0700
1999	0,0100	0,0003	5,9900	0,0700
2000	0,0100	0,0003	6,3200	0,0600
2001	0,0100	0,0003	6,6100	0,0600
2002	0,0100	0,0003	6,3500	0,0600
2003	0,0000	0,0003	5,8200	0,0600
2004	0,0000	0,0002	6,5500	0,0500
2005	0,0000	0,0002	6,3000	0,0500
2006	0,0000	0,0002	6,0200	0,0500
2007	0,0000	0,0002	6,2300	0,0500
2008	0,0000	0,0002	6,3700	0,0500
2009	0,0000	0,0002	6,5900	0,0500
2010	0,0000	0,0002	6,3800	0,0500
2011	0,0000	0,0002	6,4500	0,0500
2012	0,0000	0,0002	6,5000	0,0500
2013	0,0000	0,0002	6,5300	0,0500
2014	0,0000	0,0002	6,6100	0,0500
2015	0,0000	0,0002	6,6900	0,0500
2016	0,0000	0,0002	6,7600	0,0500
2017	0,0000	0,0002	6,8300	0,0500

Transformasi Data :

PAD	=	$1/(\text{square root PAD}) = 1/\text{Akar Kuadrat PAD}$
PDRB	=	$1/(\text{square root PDRB}) = 1/\text{Akar Kuadrat PDRB}$
Wisatawan	=	$\text{Log}(\text{Wisatawan})$
Hotel	=	$1/(\text{square root Hotel}) = 1/\text{Akar Kuadrat Hotel}$

## HASIL UJI ASUMSI KLASIK

### UJI NORMALITAS

Skewness/Kurtosis tests for Normality

Variable	Obs	Pr(Skewness)	Pr(Kurtosis)	joint adj chi2(2)	Prob>chi2
res	31	0.5851	0.0580	4.09	<b>0.1291</b>

### UJI MULTIKOLINERITAS

Variable	VIF	1/VIF
X1	<b>6.00</b>	0.166635
X3	<b>4.97</b>	0.201067
X2	<b>2.01</b>	0.497736
Mean VIF	4.33	

### UJI HETEROSKEDASTISITAS

White's test for Ho: homoskedasticity  
against Ha: unrestricted heteroskedasticity

chi2(9) = 15.60  
Prob > chi2 = **0.0757**

Cameron & Trivedi's decomposition of IM-test

Source	chi2	df	p
Heteroskedasticity	15.60	9	0.0757
Skewness	8.62	3	0.0348
Kurtosis	9.05	1	0.0026
Total	33.27	13	0.0016

**UJI AUTOKORELASI**

Breusch-Godfrey LM test for autocorrelation

lags(p)	chi2	df	Prob > chi2
1	3.060	1	<b>0.0802</b>

**HASIL REGRESI**

regress Y X1 X2 X3, beta

Source	SS	df	MS	Number of obs =	31
Model	.002655457	3	.000885152	F(3, 27)	= 145.82
Residual	.000163898	27	6.0703e-06	Prob > F	= 0.0000
				R-squared	= <b>0.9419</b>
				Adj R-squared	= <b>0.9354</b>
Total	.002819355	30	.000093978	Root MSE	= .00246

Y	Coef.	Std. Err.	t	P> t	Beta
X1	<b>33.7949</b>	16.67785	<b>2.03</b>	<b>0.053</b>	.2303342
X2	<b>.002938</b>	.0021517	<b>1.37</b>	<b>0.183</b>	.0898033
X3	<b>.4036252</b>	.0511583	<b>7.89</b>	<b>0.000</b>	.8164345
_cons	<b>-.0457414</b>	.0154704	<b>-2.96</b>	0.006	.

## Skripsi Dwi Kurniawan

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