BAB V

PENUTUP

A. Kesimpulan

Dari hasil penelitian dapat disimpulkan bahwa pengangguran memiliki dampak positif pro siklus dan signifikan terhadap angka perceraian di Indonesia. Adapun Analisis regresinya yaitu memiliki tingkat signifikansi sebesar 0.000, angka signifikansi tersebut lebih kecil dari 0.05. koefisien regresi pada variabel pengangguran adalah 0.0204. Dapat dikatakan bahwa apabila pengangguran meningkat maka perceraian akan meningkat dan sebaliknya apabila pengangguran turun maka perceraian akan turun.

Sedangkan variabel pdrb memiliki dampak negatif dan signifkan terhadap perceraian, jadi dapat dikatakan bahwa apabila pdrb meningkat maka perceraian akan berkurang. Hal ini karena tingkat signifikansi variabel pdrb adalah 0.009 dengan koefisien regresi $-4 \times 49^{-10.}$

Hal lain yang dapat ditarik jadi kesimpulan adalah daerah Sumatera memiliki tingkat signifikansi 0.005 dengan koefisien regresi -1.204, jadi dapat dikatakan bahwa pada daerah sumatera apabila pdrb maupun pengangguran meningkat maka perceraian akan menurun sedangkan pada daerah Jawa_Bali memiliki tingkat signifikansi 0.087 dan koefisien regresi 0.7978, jadi dapat dikatakan bahwa pada daerah Jawa_Bali apabila pengangguran dan pdrb meningkat maka perceraian akan meningkat.

B. Saran

Berdasarkan kesimpulan yang ditarik dari hasil analisis regresi poisson, maka penulis mencoba memberikan rekomendasi sebagai berikut: Pernikahan sangatlah penting dan allah sangat membenci perceraian, oleh karena itu penulis memberikan saran kepada instansi terkait dalam penelitian ini seperti pengadilan negeri seluruh Indonesia supaya bisa mengatasi masalah yang ada dalam kasus perceraian**.**

Penulis memberikan rekomendasi untuk peneliti selanjutnya agar menambahkan variabel independen lain agar yang mungkin juga dapat mengembangkan variabel dependen yang digunakan perlu dilakukan mengingat banyak variabel lain yang berperan dalam perceraian.

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BIODATA PENULIS

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DATA ORANGTUA

Ayah : TK. Amen
Pekerjaan : Tani
Ibu : Sarida
Pekerjaan : Ibu Rumah Tangga
Alamat : Ladang Rimbo, Jr. Kp. Tabek Kenagarian Malampah kec. Tigo Nagari

RIWAYAT PENDIDIKAN

1. SD Negeri 13 Malampah Utara 2001 - 2007
2. SMP Negeri 02 Lembah Melintang 2007- 2010
3. SMA Negeri 01 Lembah Melintang 2010- 2013
4. Universitas Islam Negeri (UIN) Imam Bonjol Padang 2013- 2018

PENGALAMAN ORGANISASI

1. KAMMI (Anggota) 2013-2014
2. GEMA Pembebasan (Anggota) 2014-2015
3. KSEI (Kelompok Studi Ekonomi Islam) 2016-2017
4. PEC (Padang English Club) 2015-2017

5. GENBI (Generasi Baru Indonesia) 2016-2017
6. FPSE (Forum Peminat Statistik dan Ekonometrik) 2017-2018

PENGALAMAN PENELITIAN

1. Mitra penelitian kerjasama dosen, di KJKS Anduring 2016
2. Mitra penelitian kerjasama dosen dengan Dinas Pariwisata SUMBAR 2017
3. Mitra penelitian kerjasama dosen dengan Bapedda Kep. Mentawai 2016

PENGALAMAN PELATIHAN DAN KEPANITIAAN

1. BPS (badan Pusat Statistik) Sumatera Barat (Magang) 2018
2. Panitia Pelatihan Potensi Desa (Podes) 2018
3. Panitia Survei Pertanian Antar Sensus (Sutas) 2018
4. Panitia BI Goes to Campus di Unand 2017
5. Panitia Pesantren Ramadhan (Instruktur) 2015
6. Panitia Pesantren Ramadhan (Bendahara) 2017
7. Panitia Pesantren Ramadhan (Sekretaris) 2018

PENGALAMAN KONFERENSI

1. Sebagai Presenter/ Pemakalah Pada 3rd International Conference On Education , Islamic Studies And Social Sciences Research (ICEISR) di UNP 2018
2. Sebagai peserta pada FREKS (Forum Riset Ekonomi Dan Keuangan Syari'ah) 2016

Padang, 31 Agustus 2018
Ilham Maulana

LAMPIRAN

LAMPIRAN I

No	prov_id	tahun	Provinsi	exposure	x1	x2	Z	z	Y
				pop	pdrb	unemp	poor	tpakprprofesional	cerai
1	11	2014	Aceh	4.90E+06	1.10E+08	15.77	35.03	16.96	22
2	11	2015	Aceh	5.00E+06	1.10E+08	17.66	34.19	17.2	28
3	12	2014	Sumatera Utara	1.40E+07	4.20E+08	12.18	19.23	10.16	1929
4	12	2015	Sumatera Utara	1.40E+07	4.40E+08	13.1	21.32	9.97	2050
5	13	2014	Sumatera Barat	5.10E+06	1.30E+08	12.83	14.3	13.2	47
6	13	2015	Sumatera Barat	5.20E+06	1.40E+08	12.88	14.02	14.36	60
7	14	2014	Riau	6.20E+06	4.50E+08	11.55	16.11	12.85	845
8	14	2015	Riau	6.20E+06	4.50E+08	14.55	17.24	14.65	930
9	15	2014	Jambi	3.40E+06	1.20E+08	7.58	16.31	12.07	180
10	15	2015	Jambi	3.40E+06	1.30E+08	7.07	17.98	12	161
11	16	2014	Sumatera Selatan	7.90E+06	2.40E+08	8.8	27.53	7.29	285
12	16	2015	Sumatera Selatan	8.00E+06	2.50E+08	11.11	28.02	9.99	242
13	17	2014	Bengkulu	1.80E+06	3.60E+07	5.09	34.57	8.61	28
14	17	2015	Bengkulu	1.90E+06	3.80E+07	8.12	35.04	11.28	20
15	18	2014	Lampung	8.00E+06	1.90E+08	.	12.2	11.134	254
16	18	2015	Lampung	8.10E+06	2.00E+08	.	14.3	12.44	250
17	19	2014	Kep. Bangka Belitung	1.30E+06	4.40E+07	9.87	10.33	9.83	293
18	19	2015	Kep. Bangka Belitung	1.40E+06	4.60E+07	8.57	10.23	11.11	291

19	31	2014	DKI Jakarta	1.00E+07	1.40E+09	18.31	8.01	12.23	4115
20	31	2015	DKI Jakarta	1.00E+07	1.50E+09	15.59	7.54	11.12	4098
21	32	2014	Jawa Barat	4.60E+07	1.10E+09	17.11	18.62	8.93	720
22	32	2015	Jawa Barat	4.70E+07	1.20E+09	17.12	19.1	9.92	722
23	33	2014	Jawa Tengah	3.30E+07	7.60E+08	11.13	28.04	6.78	2505
24	33	2015	Jawa Tengah	3.40E+07	8.10E+08	10.3	26.9	6.73	2455
25	34	2014	DI Yogyakarta	3.60E+06	8.00E+07	5.5	29.55	9.98	3011
26	34	2015	DI Yogyakarta	3.70E+06	8.30E+07	8.14	28.07	8.61	3078
27	35	2014	Jawa Timur	3.90E+07	1.30E+09	8.2	24.7	7.68	4084
28	35	2015	Jawa Timur	3.90E+07	1.30E+09	8.78	24.62	8.23	3882
29	36	2014	Banten	1.20E+07	3.50E+08	18.94	10.86	10.82	1710
30	36	2015	Banten	1.20E+07	3.70E+08	18.13	11.65	10.24	1282
31	51	2014	Bali	4.10E+06	1.20E+08	3.27	9.29	7.25	3898
32	51	2015	Bali	4.20E+06	1.30E+08	3.36	9.99	6.64	4629
33	52	2014	Nusa Tenggara Barat	4.80E+06	7.30E+07	11.05	34.3	6.92	261
34	52	2015	Nusa Tenggara Barat	4.80E+06	8.90E+07	10.67	33.64	8.16	323
35	53	2014	Nusa Tenggara Timur	5.00E+06	5.40E+07	5.23	39.42	8.2	725
36	53	2015	Nusa Tenggara Timur	5.10E+06	5.70E+07	6.95	45.19	9.28	712
37	61	2014	Kalimantan Barat	4.70E+06	1.10E+08	6.57	16.61	6.93	474
38	61	2015	Kalimantan Barat	4.80E+06	1.10E+08	9.92	16.47	7.17	524
39	62	2014	Kalimantan Tengah	2.40E+06	7.40E+07	5.95	12.1	11.65	420
40	62	2015	Kalimantan	2.50E+06	7.90E+07	7.68	11.85	12.26	392

			Tengah						
41	63	2014	Kalimantan Selatan	3.90E+06	1.10E+08	7.83	9.49	9.5	148
42	63	2015	Kalimantan Selatan	4.00E+06	1.10E+08	9.75	9.71	10.65	134
43	64	2014	Kalimantan Timur	3.40E+06	4.50E+08	16.27	12.73	15.47	522
44	64	2015	Kalimantan Timur	3.40E+06	4.40E+08	14.68	12.33	15.44	545
45	71	2014	Sulawesi Utara	2.40E+06	6.60E+07	14.81	17.01	14.82	2385
46	71	2015	Sulawesi Utara	2.40E+06	7.00E+07	17.72	17.63	15.5	2853
47	72	2014	Sulawesi Tengah	2.80E+06	7.20E+07	6.6	27.54	12.28	427
48	72	2015	Sulawesi Tengah	2.90E+06	8.30E+07	7.09	28.73	11.3	433
49	73	2014	Sulawesi Selatan	8.40E+06	2.30E+08	10.87	19.82	15.38	827
50	73	2015	Sulawesi Selatan	8.50E+06	2.50E+08	11.77	19.51	15.01	854
51	74	2014	Sulawesi Tenggara	2.40E+06	6.80E+07	6.56	26.82	12.38	108
52	74	2015	Sulawesi Tenggara	2.50E+06	7.30E+07	9.17	26.64	12.04	109
53	75	2014	Gorontalo	1.10E+06	2.10E+07	6.62	34.85	12.19	36
54	75	2015	Gorontalo	1.10E+06	2.20E+07	7.71	36.48	14.65	41
55	81	2014	Maluku	1.70E+06	2.40E+07	17.1	37.57	13.56	504
56	81	2015	Maluku	1.70E+06	2.50E+07	16.65	38.87	12.79	542
57	82	2014	Maluku Utara	1.10E+06	1.90E+07	10.94	14.71	13.72	134
58	82	2015	Maluku Utara	1.10E+06	2.00E+07	11.6	13.06	2.36	142
59	94	2014	Papua	3.10E+06	1.20E+08	6.93	57.85	4.64	706
60	94	2015	Papua	3.10E+06	1.30E+08	7.71	56.57	4.94	798

LAMPIRAN II

prov_id	Tahun	Provinsi	Dummy Variabel				
			sumatera	jawa_bali	kalimantan	sulawesi	maluku_papua
11	2014	Aceh	1	0	0	0	0
11	2015	Aceh	1	0	0	0	0
12	2014	Sumatera Utara	1	0	0	0	0
12	2015	Sumatera Utara	1	0	0	0	0
13	2014	Sumatera Barat	1	0	0	0	0
13	2015	Sumatera Barat	1	0	0	0	0
14	2014	Riau	1	0	0	0	0
14	2015	Riau	1	0	0	0	0
15	2014	Jambi	1	0	0	0	0
15	2015	Jambi	1	0	0	0	0
16	2014	Sumatera Selatan	1	0	0	0	0
16	2015	Sumatera Selatan	1	0	0	0	0
17	2014	Bengkulu	1	0	0	0	0
17	2015	Bengkulu	1	0	0	0	0
18	2014	Lampung	1	0	0	0	0
18	2015	Lampung	1	0	0	0	0
19	2014	Kep. Bangka Belitung	1	0	0	0	0
19	2015	Kep. Bangka Belitung	1	0	0	0	0
31	2014	DKI Jakarta	0	1	0	0	0
31	2015	DKI Jakarta	0	1	0	0	0

32	2014	Jawa Barat	0	1	0	0	0
32	2015	Jawa Barat	0	1	0	0	0
33	2014	Jawa Tengah	0	1	0	0	0
33	2015	Jawa Tengah	0	1	0	0	0
34	2014	DI Yogyakarta	0	1	0	0	0
34	2015	DI Yogyakarta	0	1	0	0	0
35	2014	Jawa Timur	0	1	0	0	0
35	2015	Jawa Timur	0	1	0	0	0
36	2014	Banten	0	1	0	0	0
36	2015	Banten	0	1	0	0	0
51	2014	Bali	0	1	0	0	0
51	2015	Bali	0	1	0	0	0
52	2014	Nusa Tenggara Barat	0	0	0	0	0
52	2015	Nusa Tenggara Barat	0	0	0	0	0
53	2014	Nusa Tenggara Timur	0	0	0	0	0
53	2015	Nusa Tenggara Timur	0	0	0	0	0
61	2014	Kalimantan Barat	0	0	1	0	0
61	2015	Kalimantan Barat	0	0	1	0	0
62	2014	Kalimantan Tengah	0	0	1	0	0
62	2015	Kalimantan Tengah	0	0	1	0	0
63	2014	Kalimantan Selatan	0	0	1	0	0
63	2015	Kalimantan Selatan	0	0	1	0	0
64	2014	Kalimantan Timur	0	0	1	0	0
64	2015	Kalimantan Timur	0	0	1	0	0
71	2014	Sulawesi Utara	0	0	0	1	0
71	2015	Sulawesi Utara	0	0	0	1	0

72	2014	Sulawesi Tengah	0	0	0	1	0
72	2015	Sulawesi Tengah	0	0	0	1	0
73	2014	Sulawesi Selatan	0	0	0	1	0
73	2015	Sulawesi Selatan	0	0	0	1	0
74	2014	Sulawesi Tenggara	0	0	0	1	0
74	2015	Sulawesi Tenggara	0	0	0	1	0
75	2014	Gorontalo	0	0	0	1	0
75	2015	Gorontalo	0	0	0	1	0
81	2014	Maluku	0	0	0	0	1
81	2015	Maluku	0	0	0	0	1
82	2014	Maluku Utara	0	0	0	0	1
82	2015	Maluku Utara	0	0	0	0	1
94	2014	Papua	0	0	0	0	1
94	2015	Papua	0	0	0	0	1

LAMPIRAN III

```
xtpois cerai pdrb, re exposure (pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -38916.166
Iteration 1:   log likelihood = -38896.695
Iteration 2:   log likelihood = -38896.691
Iteration 3:   log likelihood = -38896.691

Fitting full model:

Iteration 0:   log likelihood = -464.74608
Iteration 1:   log likelihood = -462.53632
Iteration 2:   log likelihood = -462.49751
Iteration 3:   log likelihood =  -462.4974
Iteration 4:   log likelihood =  -462.4974

Random-effects Poisson regression               Number of obs      =        60
Group variable: prov_id                         Number of groups   =        30

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                Wald chi2(0)       =         .
Log likelihood  =  -462.4974                    Prob > chi2        =         .

------------------------------------------------------------------------------
       cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
        pdrb |  -4.12e-10   1.76e-10    -2.34   0.020    -7.57e-10   -6.61e-11
       _cons |  -8.404653   .2123249   -39.58   0.000    -8.820802   -7.988504
     ln(pop) |          1  (exposure)
-------------+----------------------------------------------------------------
    /lnalpha |    .231899   .2229234                     -.2050228    .6688208
-------------+----------------------------------------------------------------
       alpha |   1.260992   .2811047                      .8146288    1.951934
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  7.7e+04 Prob>=chibar2 = 0.000

. xtpois cerai pdrb tpakprprofesional , re exposure (pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -37500.769
Iteration 1:   log likelihood = -37476.498
Iteration 2:   log likelihood = -37476.492
Iteration 3:   log likelihood = -37476.492

Fitting full model:

Iteration 0:   log likelihood = -453.30587
Iteration 1:   log likelihood = -450.85686
Iteration 2:   log likelihood = -450.82119
Iteration 3:   log likelihood =  -450.8211
Iteration 4:   log likelihood =  -450.8211

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29
```

```
Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                Wald chi2(1)       =         .
Log likelihood  =  -450.8211                    Prob > chi2        =         .

------------------------------------------------------------------------------
            cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
             pdrb |  -4.24e-10   1.78e-10    -2.38   0.017    -7.73e-10   -7.54e-11
tpakprprofesional |  -.0032445   .0069078    -0.47   0.639    -.0167835    .0102945
            _cons |  -8.337145   .2295888   -36.31   0.000    -8.787131    -7.88716
          ln(pop) |          1  (exposure)
------------------+-----------------------------------------------------------
         /lnalpha |   .2195242   .2270074                     -.2254021    .6644506
------------------+-----------------------------------------------------------
            alpha |   1.245484   .2827341                      .7981952    1.943423
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  7.4e+04 Prob>=chibar2 = 0.000

. xtpois cerai pdrb tpakprprofesional sumatera , re exposure (pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -34231.391
Iteration 1:   log likelihood = -34186.006
Iteration 2:   log likelihood = -34185.981
Iteration 3:   log likelihood = -34185.981

Fitting full model:

Iteration 0:   log likelihood = -459.93426
Iteration 1:   log likelihood = -447.93616
Iteration 2:   log likelihood = -447.86851
Iteration 3:   log likelihood = -447.86829
Iteration 4:   log likelihood = -447.86829

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                Wald chi2(2)       =         .
Log likelihood  = -447.86829                    Prob > chi2        =         .

------------------------------------------------------------------------------
            cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
             pdrb |  -4.29e-10   1.78e-10    -2.41   0.016    -7.79e-10   -7.98e-11
tpakprprofesional |   -.003133   .0069065    -0.45   0.650    -.0166695    .0104035
         sumatera |   -1.20484   .4297748    -2.80   0.005    -2.047183   -.3624969
            _cons |   -8.12216   .2463701   -32.97   0.000    -8.605036   -7.639283
          ln(pop) |          1  (exposure)
------------------+-----------------------------------------------------------
         /lnalpha |   .0654578   .2302979                     -.3859177    .5168334
------------------+-----------------------------------------------------------
            alpha |   1.067648    .245877                      .6798264     1.67671
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  6.7e+04 Prob>=chibar2 = 0.000

. xtpois cerai pdrb tpakprprofesional sumatera jawa_bali , re exposure (pop)
```

```
Fitting Poisson model:

Iteration 0:   log likelihood = -30514.294
Iteration 1:   log likelihood = -30422.976
Iteration 2:   log likelihood = -30422.784
Iteration 3:   log likelihood = -30422.784

Fitting full model:

Iteration 0:   log likelihood = -534.64574
Iteration 1:   log likelihood = -446.92259
Iteration 2:   log likelihood = -446.37936
Iteration 3:   log likelihood = -446.37552
Iteration 4:   log likelihood = -446.37552

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                Wald chi2(3)       =         .
Log likelihood  = -446.37552                    Prob > chi2        =         .

------------------------------------------------------------------------------
            cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
             pdrb |  -4.83e-10   1.84e-10    -2.63   0.009    -8.42e-10   -1.23e-10
tpakprprofesional |  -.0027371   .0069072    -0.40   0.692    -.0162749    .0108007
         sumatera |  -.8670894   .4412624    -1.97   0.049    -1.731948    -.002231
        jawa_bali |   .7978985    .466777     1.71   0.087    -.1169677    1.712765
            _cons |  -8.450319   .2803559   -30.14   0.000    -8.999806   -7.900831
          ln(pop) |          1  (exposure)
------------------+-----------------------------------------------------------
         /lnalpha |   -.015142   .2322234                     -.4702916    .4400076
------------------+-----------------------------------------------------------
            alpha |   .9849721   .2287336                      .6248201    1.552719
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  6.0e+04 Prob>=chibar2 = 0.000

. xtpois cerai pdrb tpakprprofesional sumatera jawa_bali kalimantan  , re exposure
(pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -30255.308
Iteration 1:   log likelihood = -30168.594
Iteration 2:   log likelihood = -30168.407
Iteration 3:   log likelihood = -30168.407

Fitting full model:

Iteration 0:   log likelihood = -527.48045
Iteration 1:   log likelihood = -446.35971
Iteration 2:   log likelihood = -445.87735
Iteration 3:   log likelihood = -445.87428
Iteration 4:   log likelihood = -445.87428

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
```

```
                                                                  max =         2

                                                  Wald chi2(4)       =         .
Log likelihood  = -445.87428                      Prob > chi2        =         .

------------------------------------------------------------------------------
            cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
             pdrb |  -4.76e-10   1.83e-10    -2.59   0.009    -8.35e-10   -1.16e-10
tpakprprofesional |  -.0027139   .0069052    -0.39   0.694    -.0162479    .0108201
         sumatera |  -1.008738   .4662087    -2.16   0.030     -1.92249   -.0949856
        jawa_bali |   .6543364    .490381     1.33   0.182    -.3067927    1.615465
       kalimantan |  -.6138246   .5803941    -1.06   0.290    -1.751376     .523727
            _cons |  -8.310813   .3224549   -25.77   0.000    -8.942813   -7.678813
          ln(pop) |          1  (exposure)
------------------+-----------------------------------------------------------
         /lnalpha |  -.0418311   .2327207                     -.4979554    .4142932
------------------+-----------------------------------------------------------
            alpha |   .9590317   .2231866                      .6077721    1.513301
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  5.9e+04 Prob>=chibar2 = 0.000

. xtpois cerai pdrb tpakprprofesional sumatera jawa_bali kalimantan sulawesi  , re
exposure (pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -30225.969
Iteration 1:   log likelihood = -30134.327
Iteration 2:   log likelihood = -30134.059
Iteration 3:   log likelihood = -30134.059

Fitting full model:

Iteration 0:   log likelihood = -514.49043
Iteration 1:   log likelihood = -445.93613
Iteration 2:   log likelihood = -445.54455
Iteration 3:   log likelihood = -445.54241
Iteration 4:   log likelihood = -445.54241

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                  Wald chi2(5)       =         .
Log likelihood  = -445.54241                      Prob > chi2        =         .

------------------------------------------------------------------------------
            cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
             pdrb |  -4.78e-10   1.83e-10    -2.61   0.009    -8.37e-10   -1.19e-10
tpakprprofesional |  -.0030624   .0069157    -0.44   0.658    -.0166169    .0104921
         sumatera |  -.7238135   .5554224    -1.30   0.193    -1.812421    .3647943
        jawa_bali |   .9391635   .5754103     1.63   0.103      -.18862    2.066947
       kalimantan |  -.3287201   .6527431    -0.50   0.615    -1.608073    .9506329
         sulawesi |   .5062862    .615477     0.82   0.411    -.7000265    1.712599
            _cons |  -8.591115   .4391611   -19.56   0.000    -9.451855   -7.730375
          ln(pop) |          1  (exposure)
------------------+-----------------------------------------------------------
         /lnalpha |  -.0596939   .2330729                     -.5165084    .3971205
------------------+-----------------------------------------------------------
            alpha |   .9420528    .219567                         .5966    1.487535
```

```
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  5.9e+04 Prob>=chibar2 = 0.000

. xtpois cerai pdrb tpakprprofesional sumatera jawa_bali kalimantan sulawesi
maluku_papua  , re exposure (pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -29830.932
Iteration 1:   log likelihood = -29724.075
Iteration 2:   log likelihood = -29723.771
Iteration 3:   log likelihood = -29723.771

Fitting full model:

Iteration 0:   log likelihood = -508.56021
Iteration 1:   log likelihood = -445.54065
Iteration 2:   log likelihood = -445.16415
Iteration 3:   log likelihood = -445.16234
Iteration 4:   log likelihood = -445.16234

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                Wald chi2(6)       =         .
Log likelihood  = -445.16234                    Prob > chi2        =         .

------------------------------------------------------------------------------
            cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
             pdrb |  -4.79e-10   1.83e-10    -2.62   .7985318   -8.37e-10   -1.20e-10
tpakprprofesional |  -.0030928    .006916    -0.45   0.655    -.0166479    .0104624
         sumatera |  -.1737386   .7612287    -0.23   0.819    -1.665719    1.318242
        jawa_bali |   1.489341   .7756289     1.92   0.055    -.0308633    3.009546
       kalimantan |   .2213597   .8334789     0.27   0.791    -1.412229    1.854948
         sulawesi |    1.05636   .8053161     1.31   0.190    -.5220309     2.63475
     maluku_papua |   .7985318   .8774525     0.91   0.363    -.9212436    2.518307
            _cons |  -9.140693   .6823168   -13.40   0.000    -10.47801   -7.803376
          ln(pop) |          1  (exposure)
------------------+-----------------------------------------------------------
      /lnalpha |   -.080351   .2335117                      -.5380255    .3773235
------------------+-----------------------------------------------------------
            alpha |   .9227924   .2154828                       .5839001    1.458376
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  5.9e+04 Prob>=chibar2 = 0.000
```

```
xtpois cerai unemp  , re exposure (pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -37797.073
Iteration 1:   log likelihood = -37796.903
Iteration 2:   log likelihood = -37796.903

Fitting full model:

Iteration 0:   log likelihood = -695.32021
Iteration 1:   log likelihood = -444.08433
Iteration 2:   log likelihood = -442.77837
Iteration 3:   log likelihood = -442.76228
Iteration 4:   log likelihood = -442.76227

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                Wald chi2(1)       =     21.72
Log likelihood  = -442.76227                    Prob > chi2        =    0.0000

------------------------------------------------------------------------------
       cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
       unemp |   .0204493   .0043883     4.66   0.000     .0118484    .0290502
       _cons |  -8.696677   .2139129   -40.66   0.000    -9.115938   -8.277415
     ln(pop) |          1  (exposure)
-------------+----------------------------------------------------------------
    /lnalpha |   .2402601    .226525                     -.2037207    .6842409
-------------+----------------------------------------------------------------
       alpha |    1.27158   .2880446                      .8156902    1.982267
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  7.5e+04 Prob>=chibar2 = 0.000

. xtpois cerai unemp tpakprprofesional   , re exposure (pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -36298.705
Iteration 1:   log likelihood = -36283.712
Iteration 2:   log likelihood = -36283.709
Iteration 3:   log likelihood = -36283.709

Fitting full model:

Iteration 0:   log likelihood = -822.47317
Iteration 1:   log likelihood = -443.38768
Iteration 2:   log likelihood = -441.91922
Iteration 3:   log likelihood = -441.90246
Iteration 4:   log likelihood = -441.90246

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                Wald chi2(2)       =     23.43
Log likelihood  = -441.90246                    Prob > chi2        =    0.0000
```

```
------------------------------------------------------------------------------
            cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
            unemp |   .0218768   .0045214     4.84   0.000     .0130149    .0307386
tpakprprofesional |  -.0092542   .0070599    -1.31   0.190    -.0230913     .004583
            _cons |  -8.614263   .2228497   -38.66   0.000    -9.051041   -8.177486
          ln(pop) |          1  (exposure)
------------------+-----------------------------------------------------------
         /lnalpha |   .2378468   .2265743                     -.2062307    .6819243
------------------+-----------------------------------------------------------
            alpha |   1.268515   .2874129                      .8136453     1.97768
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  7.2e+04 Prob>=chibar2 = 0.000

. xtpois cerai unemp tpakprprofesional sumatera   , re exposure (pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -34033.063
Iteration 1:   log likelihood = -34008.926
Iteration 2:   log likelihood = -34008.914
Iteration 3:   log likelihood = -34008.914

Fitting full model:

Iteration 0:   log likelihood = -868.55463
Iteration 1:   log likelihood = -443.19774
Iteration 2:   log likelihood = -439.01653
Iteration 3:   log likelihood = -439.00643
Iteration 4:   log likelihood = -439.00642

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                Wald chi2(3)       =     30.98
Log likelihood  = -439.00642                    Prob > chi2        =    0.0000

------------------------------------------------------------------------------
            cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
            unemp |   .0218803   .0045217     4.84   0.000     .0130181    .0307426
tpakprprofesional |  -.0091191   .0070586    -1.29   0.196    -.0229537    .0047155
         sumatera |  -1.205193   .4344293    -2.77   0.006    -2.056659   -.3537272
            _cons |   -8.40106   .2403669   -34.95   0.000    -8.872171    -7.92995
          ln(pop) |          1  (exposure)
------------------+-----------------------------------------------------------
         /lnalpha |   .0872024   .2298133                     -.3632235    .5376283
------------------+-----------------------------------------------------------
            alpha |   1.091118   .2507534                       .695431    1.711942
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  6.7e+04 Prob>=chibar2 = 0.000

. xtpois cerai unemp tpakprprofesional sumatera jawa_bali    , re exposure (pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -32820.716
Iteration 1:   log likelihood = -32433.494
Iteration 2:   log likelihood = -32433.138
Iteration 3:   log likelihood = -32433.138
```

```
Fitting full model:

Iteration 0:   log likelihood = -1251.7349
Iteration 1:   log likelihood = -486.90022
Iteration 2:   log likelihood = -438.07943
Iteration 3:   log likelihood = -437.83685
Iteration 4:   log likelihood = -437.83624
Iteration 5:   log likelihood = -437.83624

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                Wald chi2(4)       =     33.13
Log likelihood  = -437.83624                    Prob > chi2        =    0.0000

------------------------------------------------------------------------------
            cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
            unemp |   .0221253   .0045245     4.89   0.000     .0132573    .0309932
tpakprprofesional |  -.0086105   .0070602    -1.22   0.223    -.0224482    .0052273
         sumatera |  -.9103257   .4493334    -2.03   0.043    -1.791003   -.0296485
        jawa_bali |   .7087664    .469903     1.51   0.131    -.2122266    1.629759
            _cons |   -8.70433    .285754   -30.46   0.000    -9.264397   -8.144262
          ln(pop) |          1  (exposure)
------------------+-----------------------------------------------------------
         /lnalpha |   .0251814   .2311216                     -.4278086    .4781713
------------------+-----------------------------------------------------------
            alpha |   1.025501   .2370154                      .6519362    1.613122
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  6.4e+04 Prob>=chibar2 = 0.000

. xtpois cerai unemp tpakprprofesional sumatera jawa_bali kalimantan    , re exposure
(pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -32512.638
Iteration 1:   log likelihood = -32218.433
Iteration 2:   log likelihood = -32217.949
Iteration 3:   log likelihood = -32217.949

Fitting full model:

Iteration 0:   log likelihood = -1217.0891
Iteration 1:   log likelihood = -480.00784
Iteration 2:   log likelihood = -437.53212
Iteration 3:   log likelihood = -437.34366
Iteration 4:   log likelihood = -437.34316
Iteration 5:   log likelihood = -437.34316

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                Wald chi2(5)       =     34.40
Log likelihood  = -437.34316                    Prob > chi2        =    0.0000
```

```
------------------------------------------------------------------------------
           cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----------------+------------------------------------------------------------
           unemp |   .0220382   .0045251     4.87   0.000     .0131693    .0309072
tpakprprofesional |   -.008608   .0070596    -1.22   0.223    -.0224446    .0052286
         sumatera |  -1.052304   .4746025    -2.22   0.027    -1.982508   -.1221005
        jawa_bali |    .566503   .4937134     1.15   0.251    -.4011576    1.534164
       kalimantan |  -.6212368   .5917583    -1.05   0.294    -1.781062    .5385883
           _cons |  -8.561454    .329515   -25.98   0.000    -9.207291   -7.915616
          ln(pop) |          1  (exposure)
-----------------+------------------------------------------------------------
        /lnalpha |  -.0012186   .2316879                     -.4553185    .4528814
-----------------+------------------------------------------------------------
           alpha |   .9987822   .2314057                      .6342459    1.572838
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  6.4e+04 Prob>=chibar2 = 0.000

. xtpois cerai unemp tpakprprofesional sumatera jawa_bali kalimantan sulawesi    , re
exposure (pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -31953.478
Iteration 1:   log likelihood = -31657.742
Iteration 2:   log likelihood = -31657.218
Iteration 3:   log likelihood = -31657.218

Fitting full model:

Iteration 0:   log likelihood = -1446.5729
Iteration 1:   log likelihood =  -541.0524
Iteration 2:   log likelihood = -438.39049
Iteration 3:   log likelihood = -437.08169
Iteration 4:   log likelihood = -437.07963
Iteration 5:   log likelihood = -437.07963

Random-effects Poisson regression               Number of obs      =         58
Group variable: prov_id                         Number of groups   =         29

Random effects u_i ~ Gamma                      Obs per group: min =          2
                                                               avg =        2.0
                                                               max =          2

                                                Wald chi2(6)       =      34.93
Log likelihood  = -437.07963                    Prob > chi2        =     0.0000

------------------------------------------------------------------------------
           cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----------------+------------------------------------------------------------
           unemp |   .0220112    .004525     4.86   0.000     .0131424    .0308799
tpakprprofesional |  -.0089043   .0070702    -1.26   0.208    -.0227617    .0049531
         sumatera |  -.7962191   .5665082    -1.41   0.160    -1.906555    .3141165
        jawa_bali |   .8216858   .5815559     1.41   0.158    -.3181427    1.961514
       kalimantan |  -.3650082   .6665337    -0.55   0.584     -1.67139    .9413738
         sulawesi |   .4604006   .6292181     0.73   0.464    -.7728442    1.693645
           _cons |  -8.813917   .4495575   -19.61   0.000    -9.695034   -7.932801
          ln(pop) |          1  (exposure)
-----------------+------------------------------------------------------------
        /lnalpha |  -.0153148   .2319742                     -.4699759    .4393464
-----------------+------------------------------------------------------------
           alpha |   .9848019   .2284487                      .6250173    1.551693
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  6.2e+04 Prob>=chibar2 = 0.000
```

```
. xtpois cerai unemp tpakprprofesional sumatera jawa_bali kalimantan sulawesi
maluku_papua   , re exposure (pop)

Fitting Poisson model:

Iteration 0:   log likelihood = -31198.559
Iteration 1:   log likelihood = -30850.417
Iteration 2:   log likelihood = -30849.933
Iteration 3:   log likelihood = -30849.933

Fitting full model:

Iteration 0:   log likelihood =  -1451.197
Iteration 1:   log likelihood = -535.10554
Iteration 2:   log likelihood = -437.94535
Iteration 3:   log likelihood = -436.80177
Iteration 4:   log likelihood = -436.79995
Iteration 5:   log likelihood = -436.79995

Random-effects Poisson regression               Number of obs      =        58
Group variable: prov_id                         Number of groups   =        29

Random effects u_i ~ Gamma                      Obs per group: min =         2
                                                               avg =       2.0
                                                               max =         2

                                                Wald chi2(7)       =     35.72
Log likelihood  = -436.79995                    Prob > chi2        =    0.0000

------------------------------------------------------------------------------
            cerai |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
            unemp |   .0219358   .0045259    4.85   0.000     .0130652    .0308065
tpakprprofesional |  -.0088952   .0070704   -1.26   0.208    -.0227529    .0049626
         sumatera |  -.3232261   .7794682   -0.41   0.678    -1.850956    1.204504
        jawa_bali |   1.294449   .7900225    1.64   0.101    -.2539663    2.842865
       kalimantan |   .1079291    .853784    0.13   0.899    -1.565457    1.781315
         sulawesi |   .9336317   .8257621    1.13   0.258    -.6848323    2.552096
     maluku_papua |   .6973735   .8998337    0.78   0.438    -1.066268    2.461015
            _cons |  -9.286208   .6994504   -13.28   0.000    -10.65711   -7.915311
          ln(pop) |          1  (exposure)
------------------+-----------------------------------------------------------
         /lnalpha |  -.0304182   .2323045                     -.4857266    .4248903
------------------+-----------------------------------------------------------
            alpha |   .9700398   .2253446                       .61525    1.529423
------------------------------------------------------------------------------
Likelihood-ratio test of alpha=0: chibar2(01) =  6.1e+04 Prob>=chibar2 = 0.000
```