

## Lampiran 1: Hasil regresi periode 2002-2003

```
probit d_survival0203 logppn logworker productivity age pricedisparity, robust
```

```
Iteration 0: log pseudo-likelihood = -12.217286
Iteration 1: log pseudo-likelihood = -4.8809603
Iteration 2: log pseudo-likelihood = -3.0897358
Iteration 3: log pseudo-likelihood = -2.0206254
Iteration 4: log pseudo-likelihood = -1.160837
Iteration 5: log pseudo-likelihood = -.50402321
Iteration 6: log pseudo-likelihood = -.14170327
Iteration 7: log pseudo-likelihood = -.03840564
Iteration 8: log pseudo-likelihood = -.0113687
Iteration 9: log pseudo-likelihood = -.00353932
Iteration 10: log pseudo-likelihood = -.00113745
Iteration 11: log pseudo-likelihood = -.00037355
Iteration 12: log pseudo-likelihood = -.00012461
Iteration 13: log pseudo-likelihood = -.00004206
Iteration 14: log pseudo-likelihood = -.00001433
Iteration 15: log pseudo-likelihood = -4.917e-06
Iteration 16: log pseudo-likelihood = -1.698e-06
Iteration 17: log pseudo-likelihood = -5.891e-07
Iteration 18: log pseudo-likelihood = -2.053e-07
Iteration 19: log pseudo-likelihood = -7.108e-08
Iteration 20: log pseudo-likelihood = -6.781e-08
Iteration 21: log pseudo-likelihood = -2.381e-08
Iteration 22: log pseudo-likelihood = -7.721e-09
Iteration 23: log pseudo-likelihood = -7.598e-09
Iteration 24: log pseudo-likelihood = -7.537e-09
```

```
Probit estimates                               Number of obs   =           20
                                                Wald chi2(5)   =           .
                                                Prob > chi2    =           .
Log pseudo-likelihood = -8.507e-09           Pseudo R2      =           1.0000
```

d_survi~0203	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
logppn	-16.71391	.1126622	-148.35	0.000	-16.93472	-16.49309
logworker	43.05164	.5951656	72.34	0.000	41.88514	44.21814
productivity	-127.5622	1.358051	-93.93	0.000	-130.2239	-124.9004
age	2.541561	.0349068	72.81	0.000	2.473145	2.609977
pricedispa~y	-.0085187	.0001	-85.18	0.000	-.0087147	-.0083227
_cons	219.4235	.	.	.	.	.

note: 3 failures and 12 successes completely determined.

```
. lstat
```

```
Probit model for d_survival0203
```

Classified	True		Total
	D	~D	
+	14	0	14
-	0	6	6
Total	14	6	20

```
Classified + if predicted Pr(D) >= .5
True D defined as d_survival0203 != 0
```

Sensitivity	Pr( +  D)	100.00%
Specificity	Pr( - ~D)	100.00%
Positive predictive value	Pr( D  +)	100.00%
Negative predictive value	Pr(~D  -)	100.00%
False + rate for true ~D	Pr( + ~D)	0.00%

```

False - rate for true D      Pr( -| D)    0.00%
False + rate for classified + Pr(~D| +)   0.00%
False - rate for classified - Pr( D| -)    0.00%
-----
Correctly classified          100.00%
-----

```

```
. dprobit d_survival0203 logppn logworker productivity age pricedisparity, robust
```

```

Iteration 0: log pseudo-likelihood = -12.217286
Iteration 1: log pseudo-likelihood = -4.8809603
Iteration 2: log pseudo-likelihood = -3.0897358
Iteration 3: log pseudo-likelihood = -2.0206254
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Iteration 23: log pseudo-likelihood = -7.598e-09
Iteration 24: log pseudo-likelihood = -7.537e-09

```

```

Probit estimates                               Number of obs =    20
                                                Wald chi2(5) =    .
                                                Prob > chi2 =    .
Log pseudo-likelihood = -8.507e-09             Pseudo R2 = 1.0000

```

```

-----
d_s~0203 |          Robust
          |          dF/dx   Std. Err.      z    P>|z|    x-bar   [    95% C.I.   ]
-----+-----
logppn   | -1.47e-95   1.16e-94   -148.35  0.000   13.6509  -2.4e-94  2.1e-94
logwor~r | -3.80e-95   2.98e-94    72.34   0.000   5.01901  -5.5e-94  6.2e-94
produc~y | -1.13e-94   8.82e-94   -93.93   0.000   1.21583  -1.8e-93  1.6e-93
age      | 2.24e-96   1.76e-95    72.81   0.000   10.35   -3.2e-95  3.7e-95
priced~y | -7.52e-99   5.90e-98   -85.18   0.000   6757.18 -1.2e-97  1.1e-97
-----
obs. P   |          .7
pred. P  |          1 (at x-bar)
-----

```

z and P>|z| are the test of the underlying coefficient being 0

## Lampiran 2: Hasil regresi periode 2003-2004

```
. probit d_survival0304 logppn logworker productivity age pricedisparity, robust
```

```
note: productivity dropped due to collinearity
```

```
Iteration 0: log pseudo-likelihood = -7.9219874
Iteration 1: log pseudo-likelihood = -4.3257053
Iteration 2: log pseudo-likelihood = -3.3761298
Iteration 3: log pseudo-likelihood = -2.6042397
Iteration 4: log pseudo-likelihood = -1.4677781
Iteration 5: log pseudo-likelihood = -1.0013792
Iteration 6: log pseudo-likelihood = -.61642149
Iteration 7: log pseudo-likelihood = -.16848213
Iteration 8: log pseudo-likelihood = -.04342341
Iteration 9: log pseudo-likelihood = -.01246659
Iteration 10: log pseudo-likelihood = -.00381228
Iteration 11: log pseudo-likelihood = -.00121114
Iteration 12: log pseudo-likelihood = -.0003946
Iteration 13: log pseudo-likelihood = -.00013087
Iteration 14: log pseudo-likelihood = -.00004398
Iteration 15: log pseudo-likelihood = -.00001493
Iteration 16: log pseudo-likelihood = -.00001211
Iteration 17: log pseudo-likelihood = -4.155e-06
Iteration 18: log pseudo-likelihood = -1.434e-06
Iteration 19: log pseudo-likelihood = -4.975e-07
Iteration 20: log pseudo-likelihood = -1.727e-07
Iteration 21: log pseudo-likelihood = -6.039e-08
Iteration 22: log pseudo-likelihood = -2.119e-08
Iteration 23: log pseudo-likelihood = -6.090e-09
Iteration 24: log pseudo-likelihood = -6.065e-09
```

```
Probit estimates      Number of obs   =      17
                    Wald chi2(3)      =      .
                    Prob > chi2       =      .
                    Pseudo R2        =      1.0000
```

```
Log pseudo-likelihood = -7.033e-09
```

d_survi~0304	Robust					[95% Conf. Interval]	
	Coef.	Std. Err.	z	P> z			
logppn	-472.1092	.	.	.	.	.	
logworker	492.5077	2.326126	211.73	0.000	487.9486	497.0669	
age	13.42213	1.529794	8.77	0.000	10.42378	16.42047	
pricedispa~y	-.1303855	.0082332	-15.84	0.000	-.1465222	-.1142488	
_cons	4994.245	.	.	.	.	.	

```
note: 2 failures and 12 successes completely determined.
```

```
. lstat
```

```
Probit model for d_survival0304
```

Classified	True		Total
	D	~D	
+	14	0	14
-	0	3	3
Total	14	3	17

```
Classified + if predicted Pr(D) >= .5
```

```
True D defined as d_survival0304 != 0
```

Sensitivity	Pr( +  D)	100.00%
Specificity	Pr( -  ~D)	100.00%
Positive predictive value	Pr( D  +)	100.00%
Negative predictive value	Pr( ~D  -)	100.00%

```

False + rate for true ~D      Pr( +|~D)    0.00%
False - rate for true D      Pr( -| D)    0.00%
False + rate for classified + Pr(~D| +)    0.00%
False - rate for classified - Pr( D| -)    0.00%
-----
Correctly classified          100.00%
-----

```

```
. dprobit d_survival0304 logppn logworker productivity age pricedisparity, robust
```

```

note: productivity dropped due to collinearity
Iteration 0:  log pseudo-likelihood = -7.9219874
Iteration 1:  log pseudo-likelihood = -4.3257053
Iteration 2:  log pseudo-likelihood = -3.3761298
Iteration 3:  log pseudo-likelihood = -2.6042397
Iteration 4:  log pseudo-likelihood = -1.4677781
Iteration 5:  log pseudo-likelihood = -1.0013792
Iteration 6:  log pseudo-likelihood = -.61642149
Iteration 7:  log pseudo-likelihood = -.16848213
Iteration 8:  log pseudo-likelihood = -.04342341
Iteration 9:  log pseudo-likelihood = -.01246659
Iteration 10: log pseudo-likelihood = -.00381228
Iteration 11: log pseudo-likelihood = -.00121114
Iteration 12: log pseudo-likelihood = -.0003946
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Iteration 14: log pseudo-likelihood = -.00004398
Iteration 15: log pseudo-likelihood = -.00001493
Iteration 16: log pseudo-likelihood = -.00001211
Iteration 17: log pseudo-likelihood = -4.155e-06
Iteration 18: log pseudo-likelihood = -1.434e-06
Iteration 19: log pseudo-likelihood = -4.975e-07
Iteration 20: log pseudo-likelihood = -1.727e-07
Iteration 21: log pseudo-likelihood = -6.039e-08
Iteration 22: log pseudo-likelihood = -2.119e-08
Iteration 23: log pseudo-likelihood = -6.090e-09
Iteration 24: log pseudo-likelihood = -6.065e-09

```

```
note: productivity dropped due to collinearity
```

```

Probit estimates          Number of obs =      17
                          Wald chi2(3) =      .
                          Prob > chi2 =      .
                          Pseudo R2 = 1.0000
Log pseudo-likelihood = -7.033e-09

```

```

-----
d_s~0304 |               Robust
          |      dF/dx   Std. Err.      z    P>|z|    x-bar  [   95% C.I.   ]
-----+-----
logppn   |           0           0           .           .    14.8053      0      0
logwor~r |           0           0    211.73    0.000    5.22135      0      0
age      |           0           0     8.77    0.000    11.7647      0      0
priced~y |           0           0   -15.84    0.000    4826.95      0      0
-----+-----
obs. P   |   .8235294
pred. P  |           1 (at x-bar)
-----

```

```
z and P>|z| are the test of the underlying coefficient being 0
```

## Lampiran 3: Hasil regresi periode 2002-2005

```
. probit d_survival0205 logppn logworker productivity age pricedisparity, robust
```

```
Iteration 0: log pseudo-likelihood = -22.863831
Iteration 1: log pseudo-likelihood = -15.843038
Iteration 2: log pseudo-likelihood = -15.300284
Iteration 3: log pseudo-likelihood = -15.282156
Iteration 4: log pseudo-likelihood = -15.282121
```

```
Probit estimates                               Number of obs =      38
Wald chi2(5) =      15.69
Prob > chi2 =      0.0078
Pseudo R2 =      0.3316
```

```
Log pseudo-likelihood = -15.282121
```

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
d_survi~0205						
logppn	-.386588	.3262105	-1.19	0.236	-1.025949	.2527729
logworker	.973831	.4432265	2.20	0.028	.105123	1.842539
productivity	-6.054501	2.389275	-2.53	0.011	-10.73739	-1.371609
age	.1123793	.0626167	1.79	0.073	-.0103472	.2351059
pricedispa~y	-.0001359	.0002354	-0.58	0.564	-.0005973	.0003255
_cons	8.248684	6.619203	1.25	0.213	-4.724716	21.22208

```
. lstat
```

```
Probit model for d_survival0205
```

Classified	True		Total
	D	~D	
+	25	5	30
-	2	6	8
Total	27	11	38

```
Classified + if predicted Pr(D) >= .5
True D defined as d_survival0205 != 0
```

Sensitivity	Pr(+ D)	92.59%
Specificity	Pr(- ~D)	54.55%
Positive predictive value	Pr(D +)	83.33%
Negative predictive value	Pr(~D -)	75.00%

False + rate for true ~D	Pr(+ ~D)	45.45%
False - rate for true D	Pr(- D)	7.41%
False + rate for classified +	Pr(~D +)	16.67%
False - rate for classified -	Pr(D -)	25.00%

```
Correctly classified 81.58%
```

```
. dprobit d_survival0205 logppn logworker productivity age pricedisparity, robust
```

```
Iteration 0: log pseudo-likelihood = -22.863831
Iteration 1: log pseudo-likelihood = -15.843038
Iteration 2: log pseudo-likelihood = -15.300284
Iteration 3: log pseudo-likelihood = -15.282156
Iteration 4: log pseudo-likelihood = -15.282121
```

```
Probit estimates                               Number of obs =      38
Wald chi2(5) =      15.69
Prob > chi2 =      0.0078
Pseudo R2 =      0.3316
```

```
Log pseudo-likelihood = -15.282121
```

d_s~0205	dF/dx	Robust Std. Err.	z	P> z	x-bar	[	95% C.I.	]
logppn	-.1180835	.1061661	-1.19	0.236	14.1	-.326165	.089998	
logwor~r	.2974572	.1423698	2.20	0.028	5.00089	.018418	.576497	
produc~y	-1.849351	.8765069	-2.53	0.011	1.23967	-3.56727	-.131429	
age	.0343263	.0198281	1.79	0.073	12.1579	-.004536	.073189	
priced~y	-.0000415	.000072	-0.58	0.564	5871	-.000183	.0001	
obs. P	.7105263							
pred. P	.767547	(at x-bar)						

z and P>|z| are the test of the underlying coefficient being 0

