

### Lampiran 1. Data ROA dan NPL Perbankan Nasional dan Kelompok BUSN Devisa periode 2009-2018

TAHUN	ROA Perbankan Nasional (%)	ROA Kelompok BUSN (%)	TAHUN	NPL Perbankan Nasional (%)	NPL Kelompok BUSN (%)
2009	2.67	1.54	2009	3.31	4.23
2010	2.97	1.88	2010	3.12	3.62
2011	3.01	1.76	2011	2.70	2.44
2012	3.18	1.95	2012	3.70	1.97
2013	3.04	1.68	2013	3.20	1.96
2014	2.91	1.47	2014	2.90	2.41
2015	2.43	1.05	2015	2.20	3.00
2016	2.36	1.22	2016	2.23	3.82
2017	2.46	1.27	2017	2.97	3.53
2018	1.84	1.43	2018	2.07	3.14

### Lampiran 2. Data Perkembangan Aset Perbankan Nasional periode 2009-2018

TAHUN	TOTAL ASET (RP TRILIUN)
2009	2,534
2010	3,008
2011	3,653
2012	4,263
2013	4,954
2014	5,615
2015	6,133
2016	6,730
2017	7,387
2018	8,068

### Lampiran 3. Pemilihan Sampel

No	Nama Bank	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	Bank Antar Daerah										
2	Bank Antar Niaga Kencana										
3	Bank Artha Graha										
4	Bank Artha Graha Internasional, Tbk										
5	Bank Bukopin, Tbk										
6	Bank Bumi Arta										
7	Bank Central Asia, Tbk										
8	Bank CIMB Niaga, Tbk										
9	Bank Dagang Bali										
10	Bank Danamon Indonesia, Tbk										

No	Nama Bank	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
11	Bank Ekonomi Raharja, Tbk										
12	Bank Ganesha										
13	Bank Hagakita										
14	Bank KEB Hana Indonesia										
15	Bank IFI										
16	Bank Index Selindo										
17	Bank Jtrust Indonesia										
18	Bank Lippo, Tbk										
19	Bank Maspion Indonesia										
20	Bank Mayapada Internasional, Tbk										
21	Bank MNC Internasional										
22	Bank HSBC Indonesia										
23	Bank Mega, Tbk										
24	Bank Mestika Dharma										
25	Bank Metro Ekspres										
26	Bank Nusantara Parahyangan, Tbk										
27	Bank OCBC NISP, Tbk										
28	Bank QNB Kesawan, Tbk										
29	Pan Indonesia Bank, Tbk										
30	Bank Permata, Tbk										
31	Bank Pikko, Tbk										
32	Bank Prima Ekspres										
33	Bank Sinarmas, Tbk										
34	Bank Unibank, Tbk										
35	Bank UOB Indonesia										
36	Bank Universal, Tbk										
37	Bank Windu Kentjana International										

Populasi	37
Merger	10
Tutup	2
Dicabut Izin Usaha	1
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#### Lampiran 4. Data Input Variabel per Tahun

TAHUN	ROA (%)	NPL (%)	CAR (%)	SIZE (%)	LDR (%)	NIM (%)	BOPO (%)	Inflasi (%)
2009	1,54	4,49	18,22	16,36	74,78	5,30	88,47	3.73
2010	1,88	3,66	16,99	16,53	76,56	5,46	83,14	5.19
2011	1,76	2,44	17,42	16,74	80,04	5,21	84,40	5.15
2012	1,95	1,89	17,03	16,92	85,14	5,27	82,29	4.26
2013	1,68	1,94	16,69	17,07	88,27	5,90	85,16	7.15
2014	1,47	2,42	17,09	17,24	87,30	4,64	86,55	6.73
2015	1,05	2,71	17,12	17,38	87,52	4,49	90,34	5.98
2016	1,22	3,11	20,17	17,46	88,67	4,95	88,26	3.53
2017	1,27	3,40	20,63	17,56	87,55	4,87	87,68	3.83
2018	1,43	3,35	20,36	17,59	90,79	4,65	85,62	3.2

## Lampiran 5. Data Input Variabel untuk Pengolahan Stata 15.0

KODEBANK	Tahun	Triwulan	ROA	NPL	CAR	SIZE	LDR	NIM	BOPO	Inflasi
<b>INPC</b>	2009	I	0.45	3.19	14.01	16.49	85.45	3.66	96.46	6.04
INPC	2009	II	0.49	3.18	13.80	16.50	84.98	3.83	95.99	2.75
INPC	2009	III	0.44	3.47	13.77	16.55	84.04	3.81	96.24	2.41
INPC	2010	I	0.61	3.80	13.95	16.53	84.95	4.13	93.71	3.81
INPC	2010	II	0.60	3.51	13.52	16.57	83.36	3.80	93.94	4.16
INPC	2010	III	0.76	3.07	13.29	16.55	88.03	3.87	92.54	6.44
INPC	2010	IV	0.76	2.58	13.65	16.65	76.13	3.97	91.75	6.33
INPC	2011	I	0.67	2.43	13.92	16.64	76.92	3.12	92.36	6.70
INPC	2011	II	0.98	2.44	13.95	16.65	84.33	3.43	89.93	5.50
INPC	2011	III	0.92	2.31	14.07	16.67	86.98	3.54	90.66	4.60
INPC	2011	IV	0.72	2.96	12.65	16.77	82.21	3.55	92.43	3.80
INPC	2012	I	0.67	4.98	11.29	16.87	78.48	3.45	93.13	4.00
INPC	2012	II	0.82	4.32	10.94	16.94	74.05	3.60	91.23	4.45
INPC	2012	III	0.84	3.89	9.67	16.86	86.96	3.93	91.02	4.30
INPC	2012	IV	0.66	0.85	16.45	16.84	87.42	4.22	93.03	4.30
INPC	2013	I	1.56	0.84	16.42	16.85	91.21	5.52	85.28	5.90
INPC	2013	II	1.54	2.07	16.43	16.86	91.44	5.53	84.46	5.90
INPC	2013	III	1.50	2.00	16.57	16.89	90.25	5.44	84.50	8.40
INPC	2013	IV	1.39	1.96	17.31	16.87	88.87	5.31	85.27	8.40
INPC	2014	I	1.01	2.43	16.40	16.87	89.02	4.48	88.10	7.30
INPC	2014	II	1.23	2.06	14.67	16.92	93.38	4.76	87.30	6.70
INPC	2014	III	1.07	2.34	14.43	17.00	85.24	4.83	89.02	4.50
INPC	2014	IV	0.78	1.92	15.76	16.97	87.62	4.75	91.72	8.40
INPC	2015	I	1.07	4.33	14.85	17.04	83.10	4.71	90.74	6.40
INPC	2015	II	0.68	4.52	13.84	17.07	82.12	4.60	93.54	7.30
INPC	2015	III	0.65	4.56	14.20	17.08	80.26	4.60	95.30	6.80
INPC	2015	IV	0.33	2.33	15.20	17.04	80.75	4.56	96.66	3.40
INPC	2016	I	0.61	2.41	20.53	17.08	80.93	5.00	93.30	4.50
INPC	2016	II	0.65	2.78	20.13	17.10	76.66	5.31	93.39	3.50
INPC	2016	III	0.43	2.91	19.73	17.08	80.26	4.74	95.30	3.10
INPC	2016	IV	0.35	2.77	19.92	17.08	86.39	4.65	96.17	3.00
INPC	2017	I	0.57	3.57	18.55	17.15	86.80	4.89	93.83	3.60
INPC	2017	II	0.58	5.96	17.71	17.18	83.09	4.86	93.68	4.40
INPC	2017	III	0.48	5.66	17.59	17.15	82.91	4.98	94.75	3.70
INPC	2017	IV	0.31	6.11	17.44	17.14	82.89	5.15	96.55	3.60
INPC	2018	I	0.39	4.24	17.50	17.15	82.66	4.31	95.12	3.40
INPC	2018	II	0.39	4.92	17.35	17.18	80.40	4.79	95.26	3.10
INPC	2018	III	0.34	5.72	17.63	17.05	86.61	4.93	96.17	3.09
INPC	2018	IV	0.27	5.99	19.80	17.29	77.18	5.39	97.12	3.20
<b>BBKP</b>	2009	I	1.66	3.96	12.46	17.43	93.73	4.17	85.93	6.04
BBKP	2009	II	1.53	3.10	12.98	17.39	84.32	3.93	86.65	2.75
BBKP	2009	III	1.46	2.81	14.36	17.40	75.99	4.07	86.93	2.41
BBKP	2010	I	1.64	2.97	16.02	17.45	73.16	5.07	83.79	3.81
BBKP	2010	II	1.60	2.85	13.25	17.54	80.31	4.85	84.54	4.16
BBKP	2010	III	1.55	3.45	12.17	17.54	72.78	4.80	84.44	6.44
BBKP	2010	IV	1.65	3.22	12.06	17.64	71.85	4.75	84.76	6.33
BBKP	2011	I	1.71	3.71	16.73	17.72	58.58	4.27	82.36	6.70
BBKP	2011	II	1.74	3.04	14.74	17.74	70.74	4.33	82.18	5.50
BBKP	2011	III	1.66	3.42	13.54	17.72	82.55	4.54	83.64	4.60
BBKP	2011	IV	1.87	2.88	12.71	17.82	85.01	4.55	82.05	3.80
BBKP	2012	I	1.75	3.46	18.29	17.84	75.21	4.12	82.36	4.00
BBKP	2012	II	1.84	2.74	16.26	17.88	96.06	4.34	80.79	4.45
BBKP	2012	III	1.86	3.13	16.25	17.89	82.63	4.52	80.73	4.30

<b>BBKP</b>	2012	IV	1.83	2.66	16.34	17.95	83.81	4.56	81.42	4.30
<b>BBKP</b>	2013	I	1.64	2.38	16.96	18.05	76.68	3.64	81.71	5.90
<b>BBKP</b>	2013	II	1.86	2.54	15.71	18.03	78.22	3.55	81.03	5.90
<b>BBKP</b>	2013	III	1.85	2.29	15.38	18.00	87.28	3.75	81.19	8.40
<b>BBKP</b>	2013	IV	1.75	2.26	15.12	18.01	85.80	3.82	82.73	8.40
<b>BBKP</b>	2014	I	1.88	2.56	16.18	18.05	81.45	3.98	82.26	7.30
<b>BBKP</b>	2014	II	1.94	2.60	15.10	18.05	82.18	3.90	83.01	6.70
<b>BBKP</b>	2014	III	1.66	3.09	14.49	18.12	77.11	3.74	85.91	4.50
<b>BBKP</b>	2014	IV	1.33	2.78	14.21	18.13	83.89	3.70	88.27	8.40
<b>BBKP</b>	2015	I	1.30	2.71	14.75	18.16	80.32	3.26	87.68	6.40
<b>BBKP</b>	2015	II	1.55	2.88	14.23	18.20	82.26	3.41	85.75	7.30
<b>BBKP</b>	2015	III	1.58	2.86	14.16	18.26	84.88	3.56	85.90	6.80
<b>BBKP</b>	2015	IV	1.39	2.83	13.56	18.31	86.34	3.58	87.56	3.40
<b>BBKP</b>	2016	I	1.37	3.30	15.95	18.36	81.79	3.22	87.60	4.50
<b>BBKP</b>	2016	II	1.47	3.51	14.74	18.33	91.27	3.49	86.30	3.50
<b>BBKP</b>	2016	III	1.50	3.37	15.04	18.36	93.41	3.69	86.03	3.10
<b>BBKP</b>	2016	IV	1.38	3.77	15.03	18.41	86.04	3.88	86.97	3.00
<b>BBKP</b>	2017	I	1.35	4.07	17.02	18.48	75.85	3.05	86.73	3.60
<b>BBKP</b>	2017	II	1.12	4.60	16.34	18.51	75.07	2.80	89.14	4.40
<b>BBKP</b>	2017	III	0.97	4.87	15.70	18.49	78.65	2.74	90.40	3.70
<b>BBKP</b>	2017	IV	0.09	8.54	10.52	18.43	81.34	2.89	99.04	3.60
<b>BBKP</b>	2018	I	0.53	6.40	11.09	18.45	78.82	2.79	95.95	3.40
<b>BBKP</b>	2018	II	0.61	6.84	11.12	18.28	92.04	3.10	94.27	3.10
<b>BBKP</b>	2018	III	0.54	5.82	13.51	18.36	89.72	3.14	94.67	3.09
<b>BBKP</b>	2018	IV	0.22	6.67	13.41	18.44	86.18	2.83	98.41	3.20
<b>BNBA</b>	2009	I	2.33	1.92	28.45	14.49	67.57	7.19	80.33	6.04
<b>BNBA</b>	2009	II	2.36	2.23	29.17	14.57	59.90	7.36	79.89	2.75
<b>BNBA</b>	2009	III	2.00	2.15	28.42	14.69	50.58	7.00	82.29	2.41
<b>BNBA</b>	2010	I	0.95	1.82	27.76	14.68	55.50	5.38	92.93	3.81
<b>BNBA</b>	2010	II	1.36	2.11	26.94	14.59	64.85	6.14	87.10	4.16
<b>BNBA</b>	2010	III	1.48	2.07	27.94	14.80	50.48	6.26	85.98	6.44
<b>BNBA</b>	2010	IV	1.47	2.25	25.01	14.79	54.18	6.10	85.62	6.33
<b>BNBA</b>	2011	I	1.71	1.96	22.57	14.68	66.34	6.39	82.96	6.70
<b>BNBA</b>	2011	II	1.61	1.66	21.09	14.80	63.54	6.49	84.03	5.50
<b>BNBA</b>	2011	III	1.67	1.49	19.75	14.83	66.22	6.54	84.04	4.60
<b>BNBA</b>	2011	IV	2.11	1.07	19.96	14.90	67.53	6.56	86.67	3.80
<b>BNBA</b>	2012	I	3.05	0.85	22.26	14.90	74.52	6.67	73.47	4.00
<b>BNBA</b>	2012	II	2.57	0.77	20.55	14.96	78.46	6.90	77.03	4.45
<b>BNBA</b>	2012	III	2.58	0.69	19.27	14.97	82.28	7.21	77.35	4.30
<b>BNBA</b>	2012	IV	2.47	0.63	19.18	15.06	77.95	7.13	78.71	4.30
<b>BNBA</b>	2013	I	2.10	0.60	19.33	15.18	71.30	6.40	79.76	5.90
<b>BNBA</b>	2013	II	2.14	0.60	17.93	15.11	83.38	6.50	80.75	5.90
<b>BNBA</b>	2013	III	2.24	0.41	16.68	15.17	80.97	6.66	80.41	8.40
<b>BNBA</b>	2013	IV	2.05	0.21	16.99	15.21	83.96	6.61	82.33	8.40
<b>BNBA</b>	2014	I	1.53	0.22	16.97	15.26	84.18	6.49	86.93	7.30
<b>BNBA</b>	2014	II	1.24	0.30	16.07	15.35	78.63	6.20	89.56	6.70
<b>BNBA</b>	2014	III	0.92	0.22	15.76	15.41	76.48	5.97	92.26	4.50
<b>BNBA</b>	2014	IV	1.52	0.25	15.07	15.46	79.45	5.81	87.41	8.40
<b>BNBA</b>	2015	I	1.29	0.53	16.39	15.51	79.86	5.18	89.36	6.40
<b>BNBA</b>	2015	II	1.19	0.47	15.93	15.60	75.08	5.17	90.07	7.30
<b>BNBA</b>	2015	III	1.28	0.51	15.37	15.61	78.91	5.25	89.28	6.80
<b>BNBA</b>	2015	IV	1.33	0.78	25.57	15.70	82.78	5.49	88.91	3.40
<b>BNBA</b>	2016	I	1.86	0.80	25.29	15.72	82.63	4.67	82.91	4.50
<b>BNBA</b>	2016	II	1.32	2.15	24.80	15.81	75.19	4.70	87.78	3.50

<b>BNBA</b>	2016	III	1.23	2.17	24.56	15.75	82.06	4.66	88.53	3.10
<b>BNBA</b>	2016	IV	1.52	1.82	25.15	15.78	79.03	4.74	85.80	3.00
<b>BNBA</b>	2017	I	1.46	1.76	25.22	15.80	76.72	4.80	85.95	3.60
<b>BNBA</b>	2017	II	0.98	2.09	25.16	15.77	79.34	4.71	90.54	4.40
<b>BNBA</b>	2017	III	1.16	2.58	25.77	15.76	81.17	4.78	88.61	3.70
<b>BNBA</b>	2017	IV	1.73	1.70	25.67	15.76	82.10	4.81	82.86	3.60
<b>BNBA</b>	2018	I	1.70	1.71	24.92	15.78	82.81	4.57	82.30	3.40
<b>BNBA</b>	2018	II	1.60	1.58	24.37	15.82	81.36	4.46	83.14	3.10
<b>BNBA</b>	2018	III	1.51	1.69	24.57	15.72	85.16	4.44	84.12	3.09
<b>BNBA</b>	2018	IV	1.77	1.51	25.52	15.77	84.26	4.45	81.43	3.20
<b>BBCA</b>	2009	I	3.37	1.83	16.49	19.35	48.58	6.71	72.75	6.04
<b>BBCA</b>	2009	II	3.38	1.26	16.26	19.41	47.49	6.42	72.04	2.75
<b>BBCA</b>	2009	III	3.40	0.73	15.33	19.45	50.27	6.40	68.68	2.41
<b>BBCA</b>	2010	I	3.44	0.83	16.44	19.45	49.64	5.48	68.51	3.81
<b>BBCA</b>	2010	II	3.46	0.81	14.71	19.51	51.37	5.46	66.97	4.16
<b>BBCA</b>	2010	III	3.50	0.76	14.12	19.55	52.57	5.52	65.85	6.44
<b>BBCA</b>	2010	IV	3.51	0.64	13.50	19.59	55.16	5.29	64.31	6.33
<b>BBCA</b>	2011	I	3.05	0.66	14.79	19.60	54.44	5.42	67.23	6.70
<b>BBCA</b>	2011	II	3.62	0.65	13.92	19.63	55.87	5.63	61.87	5.50
<b>BBCA</b>	2011	III	3.75	0.55	13.50	19.70	58.27	5.70	61.02	4.60
<b>BBCA</b>	2011	IV	3.82	0.49	12.75	19.75	61.67	5.68	60.87	3.80
<b>BBCA</b>	2012	I	2.70	0.58	15.41	19.80	61.60	5.24	72.15	4.00
<b>BBCA</b>	2012	II	3.45	0.53	14.69	19.81	65.45	5.34	65.44	4.45
<b>BBCA</b>	2012	III	3.44	0.43	14.81	19.86	65.68	5.42	64.22	4.30
<b>BBCA</b>	2012	IV	3.59	0.38	14.24	19.89	68.61	5.57	62.41	4.30
<b>BBCA</b>	2013	I	3.03	0.41	16.59	19.90	71.10	5.90	66.98	5.90
<b>BBCA</b>	2013	II	3.42	0.42	16.01	19.93	73.20	5.95	63.02	5.90
<b>BBCA</b>	2013	III	3.66	0.45	15.84	19.99	73.85	6.04	62.76	8.40
<b>BBCA</b>	2013	IV	3.84	0.44	15.66	20.01	75.35	6.18	61.52	8.40
<b>BBCA</b>	2014	I	3.46	0.47	17.67	20.01	77.11	6.45	67.02	7.30
<b>BBCA</b>	2014	II	3.78	0.50	17.02	20.06	75.51	6.46	64.40	6.70
<b>BBCA</b>	2014	III	3.86	0.66	17.24	20.08	75.88	6.49	63.07	4.50
<b>BBCA</b>	2014	IV	3.86	0.60	16.86	20.11	76.77	6.53	62.43	8.40
<b>BBCA</b>	2015	I	3.48	0.66	19.39	20.12	74.91	6.53	67.44	6.40
<b>BBCA</b>	2015	II	3.75	0.68	19.04	20.14	75.69	6.57	64.79	7.30
<b>BBCA</b>	2015	III	3.86	0.73	19.20	20.17	78.10	6.61	64.88	6.80
<b>BBCA</b>	2015	IV	3.84	0.72	18.65	20.18	81.06	6.72	63.22	3.40
<b>BBCA</b>	2016	I	3.57	1.08	20.04	20.20	78.93	7.04	69.75	4.50
<b>BBCA</b>	2016	II	3.86	1.35	20.29	20.23	77.88	6.99	63.47	3.50
<b>BBCA</b>	2016	III	3.99	1.46	21.54	20.29	77.25	6.88	61.29	3.10
<b>BBCA</b>	2016	IV	3.96	1.31	21.90	20.31	77.12	6.81	60.44	3.00
<b>BBCA</b>	2017	I	3.48	1.47	23.10	20.33	75.05	6.32	65.20	3.60
<b>BBCA</b>	2017	II	3.67	1.47	22.10	20.40	74.49	6.26	61.83	4.40
<b>BBCA</b>	2017	III	3.83	1.53	23.62	20.40	74.74	6.19	59.86	3.70
<b>BBCA</b>	2017	IV	3.89	1.49	23.06	20.41	78.22	6.19	58.65	3.60
<b>BBCA</b>	2018	I	3.40	1.54	23.65	20.43	77.85	6.06	63.29	3.40
<b>BBCA</b>	2018	II	3.59	1.43	22.81	20.47	77.02	6.05	62.12	3.10
<b>BBCA</b>	2018	III	3.86	1.44	23.19	20.10	80.88	6.07	60.17	3.09
<b>BBCA</b>	2018	IV	4.01	1.41	23.39	20.11	81.58	6.13	58.24	3.20
<b>BBNP</b>	2009	I	0.20	2.91	14.41	15.22	59.08	2.70	98.31	6.04
<b>BBNP</b>	2009	II	0.61	2.43	14.66	15.20	59.01	3.14	94.15	2.75
<b>BBNP</b>	2009	III	1.02	1.83	12.60	15.18	73.64	3.69	89.28	2.41
<b>BBNP</b>	2010	I	0.94	1.79	12.78	15.32	68.51	4.79	90.04	3.81
<b>BBNP</b>	2010	II	1.25	1.39	12.36	15.31	75.72	4.90	87.34	4.16

<b>BBNP</b>	2010	III	1.40	1.05	11.44	15.35	78.93	4.98	85.83	6.44
<b>BBNP</b>	2010	IV	1.40	0.67	12.94	15.48	80.41	4.91	86.23	6.33
<b>BBNP</b>	2011	I	1.90	0.68	13.87	15.51	83.63	4.59	82.21	6.70
<b>BBNP</b>	2011	II	1.65	0.68	12.78	15.64	81.53	4.71	84.71	5.50
<b>BBNP</b>	2011	III	1.57	0.87	12.70	15.65	81.84	4.89	85.33	4.60
<b>BBNP</b>	2011	IV	1.53	0.88	13.45	15.70	84.92	4.99	85.77	3.80
<b>BBNP</b>	2012	I	1.70	0.88	13.79	15.73	86.30	5.45	84.18	4.00
<b>BBNP</b>	2012	II	1.63	0.92	13.15	15.86	84.63	5.57	84.76	4.45
<b>BBNP</b>	2012	III	1.65	1.05	13.06	15.80	89.25	5.63	84.50	4.30
<b>BBNP</b>	2012	IV	1.57	0.97	12.17	15.92	84.94	5.56	85.18	4.30
<b>BBNP</b>	2013	I	1.45	0.97	11.80	15.94	86.58	4.87	86.35	5.90
<b>BBNP</b>	2013	II	1.54	1.00	15.20	16.03	91.04	5.05	85.98	5.90
<b>BBNP</b>	2013	III	1.50	0.93	15.91	16.08	85.05	5.22	86.96	8.40
<b>BBNP</b>	2013	IV	1.58	0.92	15.75	16.12	84.44	5.16	86.25	8.40
<b>BBNP</b>	2014	I	1.34	0.76	16.04	16.11	87.84	4.84	87.85	7.30
<b>BBNP</b>	2014	II	1.34	0.89	15.72	16.13	84.92	4.77	87.94	6.70
<b>BBNP</b>	2014	III	1.13	2.61	16.38	16.11	84.04	4.72	89.96	4.50
<b>BBNP</b>	2014	IV	1.32	1.86	16.60	16.06	85.19	4.69	88.37	8.40
<b>BBNP</b>	2015	I	0.16	2.98	16.83	16.04	86.49	4.62	99.38	6.40
<b>BBNP</b>	2015	II	0.65	2.90	17.31	16.02	87.58	4.92	94.05	7.30
<b>BBNP</b>	2015	III	0.81	3.47	17.72	16.00	88.81	5.02	93.46	6.80
<b>BBNP</b>	2015	IV	0.99	4.74	18.07	15.97	90.17	5.18	91.91	3.40
<b>BBNP</b>	2016	I	0.19	4.97	17.87	15.99	84.79	5.16	98.47	4.50
<b>BBNP</b>	2016	II	0.93	4.49	18.49	15.94	85.54	5.61	91.51	3.50
<b>BBNP</b>	2016	III	0.58	4.91	19.79	15.90	85.20	5.87	94.61	3.10
<b>BBNP</b>	2016	IV	0.15	5.31	20.57	15.86	84.18	6.13	98.52	3.00
<b>BBNP</b>	2017	I	-0.15	5.99	19.91	15.84	84.35	6.34	101.38	3.60
<b>BBNP</b>	2017	II	-0.48	6.36	18.80	15.84	87.32	6.36	104.32	4.40
<b>BBNP</b>	2017	III	-1.04	7.38	19.62	15.88	80.54	6.13	109.28	3.70
<b>BBNP</b>	2017	IV	-0.90	6.57	17.50	15.84	93.99	6.12	108.42	3.60
<b>BBNP</b>	2018	I	0.52	6.59	16.81	15.90	91.24	6.13	96.40	3.40
<b>BBNP</b>	2018	II	0.01	6.63	18.92	15.92	92.64	6.27	101.00	3.10
<b>BBNP</b>	2018	III	0.48	6.37	18.76	15.96	97.55	6.47	96.81	3.09
<b>BBNP</b>	2018	IV	0.22	4.77	18.80	15.93	94.01	6.60	98.94	3.20
<b>BNGA</b>	2009	I	1.90	2.68	15.30	18.44	87.23	6.47	82.43	6.04
<b>BNGA</b>	2009	II	2.11	2.79	15.03	18.43	90.26	6.81	81.94	2.75
<b>BNGA</b>	2009	III	2.11	3.60	13.59	18.49	95.22	6.85	82.94	2.41
<b>BNGA</b>	2010	I	2.56	3.06	12.76	18.55	87.99	6.76	77.62	3.81
<b>BNGA</b>	2010	II	2.63	2.67	12.10	18.65	84.94	6.70	77.50	4.16
<b>BNGA</b>	2010	III	2.69	2.68	12.55	18.67	88.57	6.58	77.72	6.44
<b>BNGA</b>	2010	IV	2.73	2.53	13.24	18.78	87.23	6.43	76.73	6.33
<b>BNGA</b>	2011	I	2.70	2.80	14.38	18.81	89.19	5.49	75.64	6.70
<b>BNGA</b>	2011	II	2.84	2.71	13.66	18.83	92.40	5.54	76.31	5.50
<b>BNGA</b>	2011	III	2.83	2.65	13.52	18.87	92.35	5.54	76.03	4.60
<b>BNGA</b>	2011	IV	2.78	2.68	13.09	18.92	92.73	5.65	76.32	3.80
<b>BNGA</b>	2012	I	2.90	2.73	15.51	18.95	94.54	5.79	74.85	4.00
<b>BNGA</b>	2012	II	3.06	2.56	15.08	18.98	96.55	6.05	72.63	4.45
<b>BNGA</b>	2012	III	3.10	2.45	15.46	19.04	91.49	6.02	71.76	4.30
<b>BNGA</b>	2012	IV	3.11	2.33	15.08	19.08	92.24	6.00	71.35	4.30
<b>BNGA</b>	2013	I	2.73	2.47	16.10	19.17	83.72	5.30	72.36	5.90
<b>BNGA</b>	2013	II	2.77	2.31	15.94	19.09	95.05	5.42	72.12	5.90
<b>BNGA</b>	2013	III	2.75	2.39	15.79	19.17	89.92	5.48	72.55	8.40
<b>BNGA</b>	2013	IV	2.75	2.29	15.38	19.17	90.34	5.52	73.03	8.40
<b>BNGA</b>	2014	I	2.78	2.64	16.40	19.17	94.18	5.41	74.36	7.30

<b>BNGA</b>	2014	II	2.48	3.05	16.06	19.20	93.83	5.42	77.26	6.70
<b>BNGA</b>	2014	III	2.00	3.45	16.02	19.21	94.53	5.44	81.59	4.50
<b>BNGA</b>	2014	IV	1.60	4.01	15.39	19.24	95.62	5.50	86.25	8.40
<b>BNGA</b>	2015	I	0.19	4.18	16.40	19.35	92.35	5.22	98.01	6.40
<b>BNGA</b>	2015	II	0.20	4.38	15.87	19.29	92.76	5.07	97.91	7.30
<b>BNGA</b>	2015	III	0.21	3.23	15.88	19.29	92.04	5.17	97.93	6.80
<b>BNGA</b>	2015	IV	0.21	3.82	16.16	19.27	94.87	5.17	97.75	3.40
<b>BNGA</b>	2016	I	0.62	3.98	17.88	19.24	94.49	5.23	94.03	4.50
<b>BNGA</b>	2016	II	0.83	3.97	17.49	19.27	93.31	5.36	92.03	3.50
<b>BNGA</b>	2016	III	0.99	4.28	17.96	19.26	92.76	5.41	90.27	3.10
<b>BNGA</b>	2016	IV	1.19	3.93	17.71	19.28	95.37	5.47	88.73	3.00
<b>BNGA</b>	2017	I	1.45	3.95	18.21	19.27	95.65	5.55	85.42	3.60
<b>BNGA</b>	2017	II	1.57	3.92	18.14	19.29	99.14	5.72	84.29	4.40
<b>BNGA</b>	2017	III	1.62	3.98	18.60	19.33	91.99	5.58	83.89	3.70
<b>BNGA</b>	2017	IV	1.67	3.78	18.22	19.39	94.67	5.45	83.27	3.60
<b>BNGA</b>	2018	I	1.87	3.51	19.13	19.36	91.98	5.10	80.69	3.40
<b>BNGA</b>	2018	II	1.69	3.40	18.13	19.37	94.82	4.86	81.59	3.10
<b>BNGA</b>	2018	III	1.73	3.43	18.97	19.24	91.41	4.92	81.64	3.09
<b>BNGA</b>	2018	IV	1.74	3.11	19.20	19.29	96.12	4.96	81.49	3.20
<b>BDMN</b>	2009	I	1.69	3.61	21.31	18.39	87.61	7.10	85.11	6.04
<b>BDMN</b>	2009	II	2.06	4.13	18.15	18.40	86.09	7.65	84.16	2.75
<b>BDMN</b>	2009	III	1.78	4.64	17.55	18.39	88.76	7.98	86.46	2.41
<b>BDMN</b>	2010	I	3.49	4.17	16.78	18.39	93.82	9.54	74.38	3.81
<b>BDMN</b>	2010	II	2.98	3.53	15.39	18.43	98.77	9.41	74.00	4.16
<b>BDMN</b>	2010	III	3.55	3.24	13.63	18.47	95.32	9.35	73.97	6.44
<b>BDMN</b>	2010	IV	3.34	3.25	13.25	18.59	93.82	9.13	74.93	6.33
<b>BDMN</b>	2011	I	1.51	3.30	12.26	18.59	94.86	8.11	76.72	6.70
<b>BDMN</b>	2011	II	3.26	3.17	12.10	18.59	99.04	7.95	77.54	5.50
<b>BDMN</b>	2011	III	2.78	3.14	16.47	18.66	99.52	7.87	76.09	4.60
<b>BDMN</b>	2011	IV	2.58	2.71	16.62	18.66	98.33	7.91	79.32	3.80
<b>BDMN</b>	2012	I	2.04	2.79	17.91	18.66	98.57	8.19	81.68	4.00
<b>BDMN</b>	2012	II	3.67	2.83	18.09	18.70	97.11	8.56	72.60	4.45
<b>BDMN</b>	2012	III	3.19	2.75	18.19	18.66	103.45	8.58	75.35	4.30
<b>BDMN</b>	2012	IV	3.18	2.62	18.38	18.69	100.57	8.65	75.03	4.30
<b>BDMN</b>	2013	I	2.69	2.80	19.96	18.65	103.37	8.76	80.02	5.90
<b>BDMN</b>	2013	II	3.36	2.62	18.37	18.69	105.39	8.62	75.74	5.90
<b>BDMN</b>	2013	III	3.10	2.36	18.09	18.77	99.00	8.60	77.72	8.40
<b>BDMN</b>	2013	IV	2.75	2.03	17.48	18.84	95.06	8.46	79.67	8.40
<b>BDMN</b>	2014	I	1.43	2.03	18.43	18.84	94.12	7.51	89.59	7.30
<b>BDMN</b>	2014	II	4.93	2.23	17.81	18.86	98.93	7.29	69.75	6.70
<b>BDMN</b>	2014	III	3.76	2.54	18.20	18.90	91.34	7.28	74.57	4.50
<b>BDMN</b>	2014	IV	3.14	2.47	18.17	18.91	92.60	7.31	76.61	8.40
<b>BDMN</b>	2015	I	1.73	2.69	19.70	18.90	92.74	7.33	85.31	6.40
<b>BDMN</b>	2015	II	2.07	3.07	19.52	18.94	89.57	7.01	84.02	7.30
<b>BDMN</b>	2015	III	1.76	3.24	20.05	18.91	91.09	7.11	85.17	6.80
<b>BDMN</b>	2015	IV	2.58	3.32	20.89	18.88	87.53	7.14	83.37	3.40
<b>BDMN</b>	2016	I	1.66	3.59	22.06	18.83	90.16	7.19	85.23	4.50
<b>BDMN</b>	2016	II	2.47	3.62	22.03	18.79	92.52	7.27	79.44	3.50
<b>BDMN</b>	2016	III	2.14	4.02	22.85	18.79	91.65	7.29	81.78	3.10
<b>BDMN</b>	2016	IV	2.26	3.47	22.30	18.82	91.00	7.36	77.25	3.00
<b>BDMN</b>	2017	I	2.44	3.59	22.18	18.80	90.16	7.19	78.93	3.60
<b>BDMN</b>	2017	II	3.48	3.55	23.24	18.83	92.80	7.47	69.80	4.40
<b>BDMN</b>	2017	III	3.32	3.58	23.81	18.82	93.78	7.13	70.89	3.70
<b>BDMN</b>	2017	IV	3.00	2.92	23.24	18.85	93.29	7.03	72.11	3.60

<b>BDMN</b>	2018	I	3.48	3.55	23.24	18.85	92.80	7.47	69.80	3.40
<b>BDMN</b>	2018	II	3.11	3.55	22.52	18.87	94.11	6.38	70.86	3.10
<b>BDMN</b>	2018	III	3.13	3.25	23.08	18.84	98.45	6.31	70.98	3.09
<b>BDMN</b>	2018	IV	2.99	2.94	22.79	18.81	94.95	6.22	70.85	3.20
<b>BGTG</b>	2009	I	0.04	1.53	19.68	14.10	73.42	3.52	99.70	6.04
<b>BGTG</b>	2009	II	0.36	1.47	19.57	14.15	74.25	4.10	96.91	2.75
<b>BGTG</b>	2009	III	0.60	2.08	19.95	14.16	63.41	4.42	94.85	2.41
<b>BGTG</b>	2010	I	1.93	2.07	17.13	14.14	65.35	5.18	84.75	3.81
<b>BGTG</b>	2010	II	2.04	2.04	16.74	14.13	66.98	5.27	84.04	4.16
<b>BGTG</b>	2010	III	2.66	1.75	16.81	14.12	66.44	5.23	80.11	6.44
<b>BGTG</b>	2010	IV	1.71	1.40	15.96	14.22	62.79	5.13	86.64	6.33
<b>BGTG</b>	2011	I	-0.73	0.90	15.39	14.19	67.15	4.91	106.07	6.70
<b>BGTG</b>	2011	II	0.23	1.05	14.69	14.27	63.51	4.75	98.95	5.50
<b>BGTG</b>	2011	III	0.73	1.37	18.41	14.19	71.65	4.76	96.64	4.60
<b>BGTG</b>	2011	IV	0.78	1.05	15.29	14.43	65.59	4.86	96.34	3.80
<b>BGTG</b>	2012	I	1.10	1.13	14.44	14.38	71.76	5.22	92.36	4.00
<b>BGTG</b>	2012	II	0.57	2.13	13.74	14.46	69.13	4.97	95.46	4.45
<b>BGTG</b>	2012	III	0.45	1.79	13.12	14.46	74.28	5.24	96.40	4.30
<b>BGTG</b>	2012	IV	0.65	1.95	13.67	14.50	68.92	5.48	94.36	4.30
<b>BGTG</b>	2013	I	0.19	2.38	14.58	14.41	70.89	5.82	98.60	5.90
<b>BGTG</b>	2013	II	1.75	2.24	13.33	14.44	69.39	5.79	84.93	5.90
<b>BGTG</b>	2013	III	1.37	2.44	13.15	14.48	78.85	5.91	88.12	8.40
<b>BGTG</b>	2013	IV	0.99	2.33	13.81	14.50	72.88	5.97	90.82	8.40
<b>BGTG</b>	2014	I	0.68	2.30	14.81	14.49	74.01	5.37	93.36	7.30
<b>BGTG</b>	2014	II	0.36	2.45	14.91	14.49	68.01	5.36	96.12	6.70
<b>BGTG</b>	2014	III	0.17	4.90	14.83	14.52	66.58	5.10	97.22	4.50
<b>BGTG</b>	2014	IV	0.21	4.55	14.18	14.57	62.03	4.89	97.82	8.40
<b>BGTG</b>	2015	I	0.20	4.63	13.34	14.51	65.94	4.53	99.60	6.40
<b>BGTG</b>	2015	II	0.50	2.94	13.08	14.55	69.07	4.94	96.48	7.30
<b>BGTG</b>	2015	III	0.55	2.90	13.24	14.52	70.40	5.10	95.61	6.80
<b>BGTG</b>	2015	IV	0.36	3.14	14.40	14.50	71.98	5.44	97.51	3.40
<b>BGTG</b>	2016	I	1.06	2.68	14.27	14.69	66.48	5.09	89.20	4.50
<b>BGTG</b>	2016	II	1.71	2.13	48.43	14.97	88.90	5.36	85.12	3.50
<b>BGTG</b>	2016	III	1.77	1.25	39.49	15.19	80.48	5.47	82.25	3.10
<b>BGTG</b>	2016	IV	1.62	1.32	34.93	15.26	87.94	5.53	82.36	3.00
<b>BGTG</b>	2017	I	2.26	1.33	35.20	15.19	96.67	5.77	78.37	3.60
<b>BGTG</b>	2017	II	1.68	1.15	32.05	15.28	87.55	5.71	83.13	4.40
<b>BGTG</b>	2017	III	1.79	0.97	33.84	15.34	77.60	5.67	82.09	3.70
<b>BGTG</b>	2017	IV	1.59	0.81	30.10	15.34	85.55	5.61	83.81	3.60
<b>BGTG</b>	2018	I	2.02	0.80	29.91	15.41	76.93	5.34	80.03	3.40
<b>BGTG</b>	2018	II	1.26	4.09	32.84	15.25	91.15	5.21	86.97	3.10
<b>BGTG</b>	2018	III	1.52	4.38	31.53	15.12	97.05	5.32	84.16	3.09
<b>BGTG</b>	2018	IV	0.16	4.25	31.85	15.33	87.81	5.39	97.57	3.20
<b>INDEX</b>	2009	I	1.32	1.91	15.18	14.21	76.07	5.41	90.69	6.04
<b>INDEX</b>	2009	II	1.30	1.62	13.92	14.28	77.68	5.48	92.01	2.75
<b>INDEX</b>	2009	III	1.42	0.17	13.40	14.44	73.85	6.14	89.06	2.41
<b>INDEX</b>	2010	I	1.04	0.46	13.54	14.56	65.47	4.63	94.09	3.81
<b>INDEX</b>	2010	II	0.96	0.25	13.47	14.65	69.99	4.77	90.69	4.16
<b>INDEX</b>	2010	III	0.96	0.10	11.80	14.69	77.68	4.87	92.01	6.44
<b>INDEX</b>	2010	IV	1.12	0.06	12.82	14.79	81.36	4.92	90.51	6.33
<b>INDEX</b>	2011	I	0.91	0.07	11.91	14.85	84.25	4.57	91.87	6.70
<b>INDEX</b>	2011	II	0.94	0.31	12.59	14.98	78.68	4.41	91.38	5.50
<b>INDEX</b>	2011	III	0.96	0.31	13.15	14.99	82.90	4.40	91.09	4.60
<b>INDEX</b>	2011	IV	1.23	0.48	11.54	15.10	85.41	4.91	88.42	3.80



<b>INDEX</b>	2012	I	1.75	0.45	10.59	15.18	84.53	4.67	86.95	4.00
<b>INDEX</b>	2012	II	1.90	0.43	11.46	15.21	86.08	4.83	84.46	4.45
<b>INDEX</b>	2012	III	1.83	0.42	12.16	15.25	85.14	4.84	81.43	4.30
<b>INDEX</b>	2012	IV	2.45	0.17	11.57	15.25	88.66	4.89	76.05	4.30
<b>INDEX</b>	2013	I	2.23	0.17	11.72	15.30	89.36	5.23	79.62	5.90
<b>INDEX</b>	2013	II	2.12	0.06	11.86	15.39	89.46	5.15	80.71	5.90
<b>INDEX</b>	2013	III	1.80	0.06	12.16	15.45	86.87	5.01	83.98	8.40
<b>INDEX</b>	2013	IV	2.40	0.05	12.87	15.48	85.36	5.06	78.88	8.40
<b>INDEX</b>	2014	I	2.28	0.06	22.02	15.52	88.45	5.07	78.12	7.30
<b>INDEX</b>	2014	II	2.13	0.08	21.17	15.60	84.00	5.03	80.02	6.70
<b>INDEX</b>	2014	III	2.11	0.33	20.31	15.59	88.01	5.02	80.59	4.50
<b>INDEX</b>	2014	IV	2.23	0.36	22.21	15.65	87.24	4.95	79.55	8.40
<b>INDEX</b>	2015	I	1.22	1.80	22.88	15.68	87.71	4.34	88.81	6.40
<b>INDEX</b>	2015	II	1.76	0.66	20.79	15.82	78.97	4.55	85.23	7.30
<b>INDEX</b>	2015	III	1.76	0.71	26.50	15.81	81.34	4.47	84.50	6.80
<b>INDEX</b>	2015	IV	2.06	0.80	26.36	15.77	86.46	4.62	80.71	3.40
<b>INDEX</b>	2016	I	1.79	0.80	27.15	15.80	85.62	5.01	81.03	4.50
<b>INDEX</b>	2016	II	1.78	3.10	25.36	15.83	82.67	4.89	81.62	3.50
<b>INDEX</b>	2016	III	1.94	3.60	25.66	15.83	84.48	5.08	80.01	3.10
<b>INDEX</b>	2016	IV	2.19	2.23	25.53	15.78	83.81	5.09	78.35	3.00
<b>INDEX</b>	2017	I	2.25	2.41	25.51	15.75	87.91	5.92	76.62	3.60
<b>INDEX</b>	2017	II	2.03	2.58	26.68	15.74	90.84	5.95	78.81	4.40
<b>INDEX</b>	2017	III	2.01	2.54	26.67	15.76	93.65	5.86	78.99	3.70
<b>INDEX</b>	2017	IV	1.78	2.48	27.06	15.79	91.22	5.74	83.11	3.60
<b>INDEX</b>	2018	I	1.21	2.56	24.64	15.82	96.43	5.27	86.42	3.40
<b>INDEX</b>	2018	II	1.26	2.44	23.15	15.87	96.58	5.32	85.55	3.10
<b>INDEX</b>	2018	III	1.35	2.27	21.92	15.82	97.22	5.11	84.92	3.09
<b>INDEX</b>	2018	IV	1.56	2.91	22.57	15.78	94.77	5.03	84.09	3.20
<b>BCIC</b>	2009	I	4.19	42.96	12.19	15.71	83.98	0.25	91.60	6.04
<b>BCIC</b>	2009	II	4.67	41.76	10.43	15.77	85.05	0.65	89.74	2.75
<b>BCIC</b>	2009	III	3.84	37.59	10.02	15.83	81.66	0.76	92.66	2.41
<b>BCIC</b>	2010	I	1.08	34.68	11.92	15.92	81.74	1.12	91.72	3.81
<b>BCIC</b>	2010	II	1.45	32.21	12.81	15.96	81.79	1.24	87.44	4.16
<b>BCIC</b>	2010	III	1.13	31.46	11.49	16.02	71.90	1.33	90.26	6.44
<b>BCIC</b>	2010	IV	2.53	24.84	11.16	16.19	70.86	1.02	81.75	6.33
<b>BCIC</b>	2011	I	1.45	24.11	11.27	16.27	71.55	0.65	89.03	6.70
<b>BCIC</b>	2011	II	3.59	10.44	9.93	16.35	82.74	1.04	76.46	5.50
<b>BCIC</b>	2011	III	3.26	8.07	9.69	16.35	87.92	1.35	78.00	4.60
<b>BCIC</b>	2011	IV	2.17	6.24	9.41	16.39	83.90	1.64	87.22	3.80
<b>BCIC</b>	2012	I	1.33	5.93	11.84	16.40	85.80	2.23	89.60	4.00
<b>BCIC</b>	2012	II	1.32	4.82	11.11	16.42	89.92	2.52	92.55	4.45
<b>BCIC</b>	2012	III	1.41	3.79	11.02	16.47	84.17	2.65	90.20	4.30
<b>BCIC</b>	2012	IV	1.06	3.90	10.09	16.54	82.81	3.13	92.96	4.30
<b>BCIC</b>	2013	I	0.50	3.85	11.59	16.55	82.40	2.47	94.43	5.90
<b>BCIC</b>	2013	II	-7.87	10.87	4.93	16.59	80.62	1.78	170.75	5.90
<b>BCIC</b>	2013	III	-5.64	11.47	5.13	16.46	92.88	1.84	150.52	8.40
<b>BCIC</b>	2013	IV	-7.58	12.28	14.03	16.49	96.31	1.67	173.80	8.40
<b>BCIC</b>	2014	I	0.36	12.21	14.06	16.41	90.85	0.65	91.91	7.30
<b>BCIC</b>	2014	II	0.22	14.87	14.88	16.42	88.27	0.41	96.13	6.70
<b>BCIC</b>	2014	III	-2.20	16.80	13.53	16.35	84.63	0.28	114.71	4.50
<b>BCIC</b>	2014	IV	-4.96	12.24	13.58	16.36	71.14	0.24	135.91	8.40
<b>BCIC</b>	2015	I	-3.09	11.22	17.08	16.33	78.57	0.27	121.22	6.40
<b>BCIC</b>	2015	II	-3.79	12.09	14.53	16.34	77.10	0.43	130.86	7.30
<b>BCIC</b>	2015	III	-5.31	13.98	16.15	16.40	82.36	0.71	143.36	6.80

<b>BCIC</b>	2015	IV	-5.37	3.71	15.49	16.39	85.00	0.93	143.68	3.40
<b>BCIC</b>	2016	I	-1.01	3.28	13.94	16.43	92.03	2.21	105.27	4.50
<b>BCIC</b>	2016	II	-1.57	6.27	13.08	16.46	96.80	2.27	110.48	3.50
<b>BCIC</b>	2016	III	-0.92	4.17	12.36	16.46	98.01	2.31	104.26	3.10
<b>BCIC</b>	2016	IV	-0.90	3.89	12.15	16.59	99.46	1.43	98.78	3.00
<b>BCIC</b>	2017	I	1.04	6.48	15.51	16.60	84.55	4.15	92.62	3.60
<b>BCIC</b>	2017	II	0.79	4.69	15.86	16.57	82.46	2.64	93.13	4.40
<b>BCIC</b>	2017	III	0.78	3.44	14.70	16.60	88.81	2.42	94.38	3.70
<b>BCIC</b>	2017	IV	0.80	2.94	14.15	16.66	88.87	2.41	93.87	3.60
<b>BCIC</b>	2018	I	0.16	3.38	12.43	16.69	87.03	2.75	97.57	3.40
<b>BCIC</b>	2018	II	0.15	4.17	11.80	16.70	89.37	2.21	98.39	3.10
<b>BCIC</b>	2018	III	-1.82	5.26	12.07	16.65	94.15	2.67	110.44	3.09
<b>BCIC</b>	2018	IV	-2.25	4.26	14.03	16.84	77.43	2.28	116.32	3.20
<b>HANA</b>	2009	I	-0.81	1.27	33.34	14.13	61.73	4.50	107.25	6.04
<b>HANA</b>	2009	II	-0.08	1.28	31.73	14.15	73.81	4.75	100.83	2.75
<b>HANA</b>	2009	III	0.21	2.24	50.48	14.43	70.64	4.76	98.10	2.41
<b>HANA</b>	2010	I	2.28	2.18	45.15	14.33	84.52	6.02	78.37	3.81
<b>HANA</b>	2010	II	1.56	0.62	37.37	14.47	81.42	5.82	85.07	4.16
<b>HANA</b>	2010	III	1.67	0.53	34.37	14.61	82.18	5.62	83.32	6.44
<b>HANA</b>	2010	IV	1.88	0.58	29.63	14.68	93.37	5.41	80.32	6.33
<b>HANA</b>	2011	I	0.91	0.93	28.00	14.65	105.73	5.06	90.44	6.70
<b>HANA</b>	2011	II	1.29	0.97	24.32	14.73	110.98	5.03	85.81	5.50
<b>HANA</b>	2011	III	1.43	0.87	24.10	14.86	112.60	4.69	85.27	4.60
<b>HANA</b>	2011	IV	1.41	0.70	43.77	15.12	102.61	4.63	85.26	3.80
<b>HANA</b>	2012	I	1.55	1.02	38.16	15.23	104.50	4.01	81.18	4.00
<b>HANA</b>	2012	II	1.74	0.70	35.80	15.25	109.96	4.08	78.60	4.45
<b>HANA</b>	2012	III	1.64	0.45	33.29	15.32	110.02	4.11	79.41	4.30
<b>HANA</b>	2012	IV	1.53	0.24	28.93	15.48	112.25	4.08	80.93	4.30
<b>HANA</b>	2013	I	1.31	0.21	25.74	15.52	118.04	3.84	83.82	5.90
<b>HANA</b>	2013	II	1.80	0.19	21.95	15.64	121.18	3.76	78.13	5.90
<b>HANA</b>	2013	III	2.00	0.15	20.46	15.79	128.06	3.78	76.76	8.40
<b>HANA</b>	2013	IV	2.65	0.09	29.24	15.98	126.82	3.55	63.59	8.40
<b>HANA</b>	2014	I	2.59	0.09	31.31	16.39	146.12	3.20	70.55	7.30
<b>HANA</b>	2014	II	3.02	0.08	25.73	16.54	126.05	3.39	64.05	6.70
<b>HANA</b>	2014	III	2.62	0.11	22.10	16.67	137.59	3.45	67.17	4.50
<b>HANA</b>	2014	IV	2.22	0.08	18.47	16.91	125.38	3.20	79.11	8.40
<b>HANA</b>	2015	I	1.70	0.08	19.23	16.88	150.82	2.60	78.06	6.40
<b>HANA</b>	2015	II	1.92	0.33	16.74	17.04	139.35	2.72	76.21	7.30
<b>HANA</b>	2015	III	2.27	0.37	21.36	17.15	143.47	2.95	71.42	6.80
<b>HANA</b>	2015	IV	2.34	0.21	21.06	17.17	141.61	3.23	71.58	3.40
<b>HANA</b>	2016	I	2.66	0.79	20.85	17.16	136.17	3.86	66.12	4.50
<b>HANA</b>	2016	II	2.89	0.72	19.35	17.25	140.74	3.86	65.36	3.50
<b>HANA</b>	2016	III	2.74	0.87	17.74	17.34	150.78	3.83	67.36	3.10
<b>HANA</b>	2016	IV	2.77	0.61	20.80	17.37	144.36	3.81	66.33	3.00
<b>HANA</b>	2017	I	2.33	0.56	20.48	17.38	128.93	3.44	74.31	3.60
<b>HANA</b>	2017	II	2.37	0.80	23.32	17.36	136.79	3.62	73.45	4.40
<b>HANA</b>	2017	III	2.46	0.97	22.13	17.44	122.42	3.43	72.57	3.70
<b>HANA</b>	2017	IV	2.69	0.84	21.14	17.49	137.17	3.35	69.20	3.60
<b>HANA</b>	2018	I	2.33	0.88	21.21	17.50	121.42	3.28	72.60	3.40
<b>HANA</b>	2018	II	2.17	0.94	20.68	17.52	145.84	3.37	74.73	3.10
<b>HANA</b>	2018	III	1.98	1.50	20.55	17.53	134.74	3.33	76.00	3.09
<b>HANA</b>	2018	IV	1.74	1.99	18.82	17.41	139.10	3.22	79.09	3.20
<b>BMAS</b>	2009	I	1.09	0.70	14.05	14.54	72.03	6.01	91.47	6.04
<b>BMAS</b>	2009	II	1.04	2.77	14.57	14.57	65.76	5.86	91.68	2.75

<b>BMAS</b>	2009	III	1.10	1.33	15.57	14.66	56.26	5.57	91.04	2.41
<b>BMAS</b>	2010	I	0.59	1.01	15.82	14.64	57.16	4.99	94.62	3.81
<b>BMAS</b>	2010	II	0.84	0.96	15.35	14.61	64.19	5.10	93.34	4.16
<b>BMAS</b>	2010	III	0.72	0.93	13.72	14.58	67.70	5.33	94.14	6.44
<b>BMAS</b>	2010	IV	1.35	0.66	12.89	14.63	75.99	5.58	88.83	6.33
<b>BMAS</b>	2011	I	3.03	0.14	14.90	14.69	80.15	5.77	88.85	6.70
<b>BMAS</b>	2011	II	2.47	0.47	17.19	14.77	77.03	5.79	89.78	5.50
<b>BMAS</b>	2011	III	1.84	0.48	16.94	14.82	73.96	5.78	90.90	4.60
<b>BMAS</b>	2011	IV	1.87	0.57	15.84	14.84	79.91	5.73	91.44	3.80
<b>BMAS</b>	2012	I	0.94	0.52	17.64	14.87	84.35	5.57	90.28	4.00
<b>BMAS</b>	2012	II	1.01	0.24	15.99	14.96	84.88	5.46	89.50	4.45
<b>BMAS</b>	2012	III	1.01	0.19	15.00	15.05	83.49	5.34	89.53	4.30
<b>BMAS</b>	2012	IV	1.00	0.24	13.46	15.04	89.71	5.24	89.84	4.30
<b>BMAS</b>	2013	I	1.07	0.18	13.12	15.09	92.49	4.95	88.79	5.90
<b>BMAS</b>	2013	II	1.01	0.69	13.45	15.15	83.85	4.83	89.63	5.90
<b>BMAS</b>	2013	III	6.96	0.66	21.26	15.18	102.00	88.93	89.72	8.40
<b>BMAS</b>	2013	IV	1.11	0.61	21.00	15.24	85.73	5.07	88.88	8.40
<b>BMAS</b>	2014	I	1.05	0.58	21.15	15.23	89.44	5.06	90.20	7.30
<b>BMAS</b>	2014	II	1.04	0.84	21.05	15.19	90.68	5.09	90.34	6.70
<b>BMAS</b>	2014	III	0.99	3.29	21.04	15.21	87.02	5.16	91.02	4.50
<b>BMAS</b>	2014	IV	0.80	0.71	19.43	15.39	77.20	4.93	92.71	8.40
<b>BMAS</b>	2015	I	0.46	0.76	19.37	15.37	80.51	3.85	95.84	6.40
<b>BMAS</b>	2015	II	0.57	0.66	18.04	15.43	78.95	3.87	95.01	7.30
<b>BMAS</b>	2015	III	0.77	0.56	16.90	15.45	85.14	4.13	92.89	6.80
<b>BMAS</b>	2015	IV	1.10	0.51	19.33	15.49	92.96	4.42	89.53	3.40
<b>BMAS</b>	2016	I	1.50	0.48	19.58	15.54	88.71	4.95	85.80	4.50
<b>BMAS</b>	2016	II	1.61	0.65	19.29	15.51	94.80	5.05	84.96	3.50
<b>BMAS</b>	2016	III	1.58	0.80	20.25	15.51	92.24	5.12	84.75	3.10
<b>BMAS</b>	2016	IV	1.67	0.91	24.32	15.52	99.88	5.28	83.81	3.00
<b>BMAS</b>	2017	I	1.50	0.48	19.61	15.49	88.71	4.95	85.80	3.60
<b>BMAS</b>	2017	II	1.68	0.85	23.87	15.58	92.59	5.37	83.24	4.40
<b>BMAS</b>	2017	III	1.53	0.90	24.17	15.63	84.12	5.13	84.20	3.70
<b>BMAS</b>	2017	IV	1.60	1.52	21.59	15.62	97.14	4.95	83.34	3.60
<b>BMAS</b>	2018	I	1.33	1.43	21.55	15.64	97.54	4.56	84.96	3.40
<b>BMAS</b>	2018	II	1.30	1.11	22.06	15.63	94.13	4.64	85.26	3.10
<b>BMAS</b>	2018	III	1.19	2.36	21.62	15.50	98.88	4.68	86.55	3.09
<b>BMAS</b>	2018	IV	1.54	2.14	21.28	15.44	100.87	4.75	87.25	3.20
<b>MAYA</b>	2009	I	0.84	1.22	19.30	15.70	89.45	6.60	93.85	6.04
<b>MAYA</b>	2009	II	0.94	1.33	18.50	15.77	84.00	6.79	93.17	2.75
<b>MAYA</b>	2009	III	0.90	0.96	17.45	15.85	83.77	6.74	93.82	2.41
<b>MAYA</b>	2010	I	2.64	0.89	16.04	15.90	89.12	6.95	80.24	3.81
<b>MAYA</b>	2010	II	2.17	2.06	15.55	15.95	85.10	6.98	83.58	4.16
<b>MAYA</b>	2010	III	2.17	2.05	16.19	16.04	80.62	6.83	83.25	6.44
<b>MAYA</b>	2010	IV	1.22	3.27	20.40	16.13	78.38	6.25	90.17	6.33
<b>MAYA</b>	2011	I	1.05	2.74	20.04	16.14	80.05	5.94	90.98	6.70
<b>MAYA</b>	2011	II	0.95	2.68	17.40	16.20	84.26	5.69	91.82	5.50
<b>MAYA</b>	2011	III	1.25	2.47	16.49	16.31	80.76	5.75	89.59	4.60
<b>MAYA</b>	2011	IV	2.07	2.51	14.68	16.38	82.10	5.84	83.38	3.80
<b>MAYA</b>	2012	I	3.65	2.56	13.74	16.44	78.72	5.59	76.04	4.00
<b>MAYA</b>	2012	II	3.03	2.11	13.98	16.45	82.74	5.88	77.42	4.45
<b>MAYA</b>	2012	III	3.04	1.90	12.58	16.51	82.71	6.07	75.90	4.30
<b>MAYA</b>	2012	IV	2.41	3.02	10.93	16.66	80.58	6.00	79.93	4.30
<b>MAYA</b>	2013	I	3.42	1.66	11.19	16.72	82.97	5.67	71.80	5.90
<b>MAYA</b>	2013	II	3.01	1.51	10.27	16.78	85.88	5.77	73.92	5.90

MAYA	2013	III	2.90	1.38	13.77	16.87	87.76	5.81	75.34	8.40
MAYA	2013	IV	2.53	1.04	14.07	16.99	85.61	5.75	78.58	8.40
MAYA	2014	I	1.90	2.40	13.73	17.05	86.89	4.48	84.70	7.30
MAYA	2014	II	2.24	0.92	12.74	17.14	85.29	4.59	82.41	6.70
MAYA	2014	III	2.19	0.83	11.46	17.27	81.68	4.62	82.67	4.50
MAYA	2014	IV	1.98	1.46	10.44	17.40	81.25	4.52	84.27	8.40
MAYA	2015	I	1.29	2.89	12.34	17.46	83.36	3.93	89.13	6.40
MAYA	2015	II	1.96	1.29	11.91	17.53	84.79	4.48	83.94	7.30
MAYA	2015	III	2.11	1.84	10.69	17.60	81.73	4.60	82.90	6.80
MAYA	2015	IV	2.10	2.52	12.97	17.67	82.99	4.78	82.65	3.40
MAYA	2016	I	2.54	1.04	13.26	17.77	80.38	4.65	78.38	4.50
MAYA	2016	II	2.48	2.01	11.90	17.77	88.98	4.87	80.13	3.50
MAYA	2016	III	2.20	2.38	11.36	17.80	92.30	5.11	82.04	3.10
MAYA	2016	IV	2.03	2.11	13.34	17.92	91.40	5.16	83.08	3.00
MAYA	2017	I	2.16	1.68	13.70	18.02	85.07	4.44	78.80	3.60
MAYA	2017	II	1.76	2.78	12.49	18.08	83.46	4.10	82.44	4.40
MAYA	2017	III	1.87	2.18	12.55	18.07	88.97	4.23	81.64	3.70
MAYA	2017	IV	1.30	5.65	14.11	18.13	90.08	4.26	87.20	3.60
MAYA	2018	I	1.17	3.69	12.89	18.20	87.47	3.95	87.59	3.40
MAYA	2018	II	0.97	4.34	13.88	18.20	90.78	3.98	89.82	3.10
MAYA	2018	III	1.26	4.50	14.01	18.15	90.94	4.12	87.10	3.09
MAYA	2018	IV	0.73	5.54	15.82	18.12	91.83	4.09	92.61	3.20
<b>BNII</b>	<b>2009</b>	<b>I</b>	<b>-1.47</b>	<b>3.17</b>	<b>19.73</b>	<b>17.77</b>	<b>76.53</b>	<b>5.46</b>	<b>112.05</b>	<b>6.04</b>
BNII	2009	II	-0.56	3.18	19.04	17.81	77.22	5.58	105.25	2.75
BNII	2009	III	-0.05	2.39	14.71	17.89	78.11	5.69	102.64	2.41
BNII	2010	I	1.87	2.84	13.65	17.90	80.58	5.98	86.23	3.81
BNII	2010	II	1.50	2.94	14.87	17.99	84.88	5.51	88.42	4.16
BNII	2010	III	1.23	3.62	13.32	18.05	85.89	5.77	90.92	6.44
BNII	2010	IV	1.01	3.15	12.65	18.09	83.18	5.74	92.38	6.33
BNII	2011	I	1.06	2.58	12.02	18.11	85.43	5.47	93.92	6.70
BNII	2011	II	1.31	2.43	13.68	18.19	82.98	5.29	90.79	5.50
BNII	2011	III	1.26	2.49	12.69	18.28	85.82	5.19	90.91	4.60
BNII	2011	IV	1.11	2.07	12.03	18.32	88.66	5.08	92.15	3.80
BNII	2012	I	1.57	1.95	12.85	18.34	90.45	5.17	87.59	4.00
BNII	2012	II	1.64	2.10	12.71	18.40	89.40	5.35	86.97	4.45
BNII	2012	III	1.63	2.08	12.44	18.43	88.47	5.32	86.96	4.30
BNII	2012	IV	1.49	1.70	12.92	18.53	87.34	5.16	87.71	4.30
BNII	2013	I	1.31	1.45	13.34	18.55	82.55	4.58	89.07	5.90
BNII	2013	II	1.42	1.42	13.05	18.57	84.98	4.56	87.34	5.90
BNII	2013	III	1.50	1.76	13.86	18.63	86.42	4.63	86.90	8.40
BNII	2013	IV	1.53	2.15	12.76	18.72	87.04	4.49	84.66	8.40
BNII	2014	I	0.59	2.06	13.28	18.71	88.91	4.03	94.81	7.30
BNII	2014	II	0.48	2.72	11.93	18.74	90.80	4.10	93.60	6.70
BNII	2014	III	0.17	2.57	14.17	18.74	91.13	4.17	97.15	4.50
BNII	2014	IV	0.41	2.24	16.01	18.72	92.67	4.29	94.91	8.40
BNII	2015	I	0.72	2.83	15.80	18.77	91.89	4.46	93.60	6.40
BNII	2015	II	0.52	3.58	15.58	18.77	89.71	2.34	95.76	7.30
BNII	2015	III	0.51	4.34	14.60	18.80	90.04	4.45	95.37	6.80
BNII	2015	IV	0.84	3.81	14.93	18.82	86.14	4.46	91.70	3.40
BNII	2016	I	1.35	3.86	15.86	18.84	87.55	4.33	86.93	4.50
BNII	2016	II	1.29	3.85	15.77	18.84	90.31	4.51	87.66	3.50
BNII	2016	III	1.28	4.17	17.66	18.84	88.02	4.55	87.52	3.10
BNII	2016	IV	1.48	3.58	16.98	18.86	88.92	4.59	85.81	3.00
BNII	2017	I	1.37	3.93	16.98	18.85	88.40	4.51	85.57	3.60

<b>BNII</b>	2017	II	1.46	3.78	16.91	18.88	86.66	4.58	84.93	4.40
<b>BNII</b>	2017	III	1.37	4.15	17.71	18.87	87.63	4.50	85.43	3.70
<b>BNII</b>	2017	IV	1.23	3.00	17.63	18.89	88.12	4.49	86.97	3.60
<b>BNII</b>	2018	I	1.17	3.25	17.86	18.90	85.62	4.01	84.92	3.40
<b>BNII</b>	2018	II	1.23	2.93	19.20	18.86	94.00	4.19	85.37	3.10
<b>BNII</b>	2018	III	1.35	2.83	19.04	18.83	100.64	4.34	84.61	3.09
<b>BNII</b>	2018	IV	1.25	2.91	19.12	18.82	100.41	4.23	84.87	3.20
<b>MEGA</b>	2009	I	2.11	2.01	19.28	17.43	55.36	5.19	82.53	6.04
<b>MEGA</b>	2009	II	1.63	2.05	19.27	17.37	60.58	5.28	87.94	2.75
<b>MEGA</b>	2009	III	1.77	1.70	18.01	17.50	56.82	4.94	85.91	2.41
<b>MEGA</b>	2010	I	2.60	1.12	17.49	17.49	57.09	3.82	77.46	3.81
<b>MEGA</b>	2010	II	2.27	1.48	15.97	17.51	63.08	4.06	50.57	4.16
<b>MEGA</b>	2010	III	2.22	1.50	16.82	17.62	61.50	5.06	80.06	6.44
<b>MEGA</b>	2010	IV	2.45	0.90	15.03	17.76	56.03	4.88	77.79	6.33
<b>MEGA</b>	2011	I	2.12	0.91	13.74	17.77	54.78	4.44	80.86	6.70
<b>MEGA</b>	2011	II	1.90	0.96	12.61	17.76	67.40	4.56	83.24	5.50
<b>MEGA</b>	2011	III	2.88	1.02	11.97	17.73	61.76	6.95	75.15	4.60
<b>MEGA</b>	2011	IV	2.29	0.98	11.86	17.95	63.75	5.40	81.84	3.80
<b>MEGA</b>	2012	I	3.25	1.22	14.89	17.89	71.03	6.68	68.61	4.00
<b>MEGA</b>	2012	II	3.47	1.44	15.39	17.88	62.73	7.00	69.56	4.45
<b>MEGA</b>	2012	III	1.69	1.85	16.47	17.90	70.20	4.99	86.01	4.30
<b>MEGA</b>	2012	IV	2.74	2.09	16.83	18.01	52.39	6.45	76.73	4.30
<b>MEGA</b>	2013	I	1.77	2.67	17.77	17.76	61.72	5.75	83.46	5.90
<b>MEGA</b>	2013	II	1.19	2.69	17.55	17.81	57.51	5.87	88.75	5.90
<b>MEGA</b>	2013	III	1.08	2.60	17.18	17.82	60.84	5.87	90.00	8.40
<b>MEGA</b>	2013	IV	1.14	2.17	15.74	18.01	57.41	5.38	89.66	8.40
<b>MEGA</b>	2014	I	2.02	2.33	16.59	17.86	68.03	5.15	85.59	7.30
<b>MEGA</b>	2014	II	1.83	2.17	16.19	17.93	68.26	5.43	86.03	6.70
<b>MEGA</b>	2014	III	1.50	3.22	15.41	17.91	66.12	5.35	88.05	4.50
<b>MEGA</b>	2014	IV	1.16	2.09	15.23	18.02	65.85	5.27	91.25	8.40
<b>MEGA</b>	2015	I	2.38	2.53	16.49	17.94	66.56	5.47	83.77	6.40
<b>MEGA</b>	2015	II	1.96	3.88	16.43	17.95	69.58	5.65	85.92	7.30
<b>MEGA</b>	2015	III	2.00	2.88	14.93	17.94	70.15	6.07	85.96	6.80
<b>MEGA</b>	2015	IV	1.97	2.81	22.85	18.04	65.05	6.04	85.72	3.40
<b>MEGA</b>	2016	I	2.07	3.37	23.30	18.01	64.88	6.65	82.01	4.50
<b>MEGA</b>	2016	II	1.88	2.99	25.35	17.99	69.08	7.00	85.15	3.50
<b>MEGA</b>	2016	III	2.59	3.43	25.92	17.95	62.51	7.23	80.15	3.10
<b>MEGA</b>	2016	IV	2.36	3.44	26.21	18.07	55.35	7.01	81.81	3.00
<b>MEGA</b>	2017	I	2.26	3.57	24.50	18.04	56.06	6.47	80.92	3.60
<b>MEGA</b>	2017	II	2.08	3.15	24.02	18.09	85.15	6.39	82.98	4.40
<b>MEGA</b>	2017	III	2.25	2.83	25.00	18.16	56.41	6.27	81.41	3.70
<b>MEGA</b>	2017	IV	2.24	2.01	24.11	18.23	56.47	5.80	81.28	3.60
<b>MEGA</b>	2018	I	2.05	2.34	21.40	18.25	59.83	5.01	80.21	3.40
<b>MEGA</b>	2018	II	2.07	2.28	21.06	18.23	58.66	5.14	81.17	3.10
<b>MEGA</b>	2018	III	2.29	2.19	21.03	18.22	68.40	5.32	79.10	3.09
<b>MEGA</b>	2018	IV	2.47	1.60	22.79	18.17	67.23	5.19	77.78	3.20
<b>BBMD</b>	2009	I	4.57	4.47	27.18	15.45	98.13	7.98	62.45	6.04
<b>BBMD</b>	2009	II	4.72	4.72	27.45	15.49	94.59	8.56	61.68	2.75
<b>BBMD</b>	2009	III	4.90	10.78	28.48	15.50	92.26	9.15	61.76	2.41
<b>BBMD</b>	2010	I	3.95	8.18	29.87	15.52	91.96	8.04	67.65	3.81
<b>BBMD</b>	2010	II	4.36	6.94	29.31	15.53	94.91	8.38	64.51	4.16
<b>BBMD</b>	2010	III	3.59	10.95	26.12	15.56	91.74	8.41	70.54	6.44
<b>BBMD</b>	2010	IV	3.93	5.48	27.47	15.61	84.75	8.50	66.66	6.33
<b>BBMD</b>	2011	I	3.94	5.71	27.61	15.62	85.41	8.63	66.42	6.70

<b>BBMD</b>	2011	II	4.38	4.39	24.70	15.62	82.32	8.94	62.07	5.50
<b>BBMD</b>	2011	III	3.93	4.27	22.67	15.66	80.84	8.87	65.89	4.60
<b>BBMD</b>	2011	IV	4.36	3.56	26.36	15.72	82.87	8.66	62.62	3.80
<b>BBMD</b>	2012	I	6.35	3.00	30.19	15.76	89.82	7.72	46.00	4.00
<b>BBMD</b>	2012	II	6.63	2.88	30.02	15.75	93.87	7.92	45.62	4.45
<b>BBMD</b>	2012	III	5.72	2.17	28.62	15.81	91.07	7.97	49.23	4.30
<b>BBMD</b>	2012	IV	5.05	2.28	28.51	15.81	95.47	8.05	54.02	4.30
<b>BBMD</b>	2013	I	5.78	2.30	28.33	15.81	101.99	7.87	49.55	5.90
<b>BBMD</b>	2013	II	7.17	1.49	27.36	15.81	108.81	8.07	44.76	5.90
<b>BBMD</b>	2013	III	6.18	1.92	27.41	15.87	102.62	8.25	49.08	8.40
<b>BBMD</b>	2013	IV	5.42	2.16	26.99	15.87	102.35	8.36	54.13	8.40
<b>BBMD</b>	2014	I	5.44	2.74	28.84	15.88	105.24	8.17	53.78	7.30
<b>BBMD</b>	2014	II	4.59	2.90	26.98	15.91	105.49	8.23	59.57	6.70
<b>BBMD</b>	2014	III	4.27	2.78	26.91	15.94	102.03	8.14	62.45	4.50
<b>BBMD</b>	2014	IV	3.86	2.16	26.66	15.98	101.30	8.24	65.85	8.40
<b>BBMD</b>	2015	I	3.59	2.50	28.49	16.01	101.09	7.94	67.31	6.40
<b>BBMD</b>	2015	II	3.33	2.62	27.88	16.02	100.42	8.02	70.03	7.30
<b>BBMD</b>	2015	III	3.33	2.34	28.02	16.03	100.25	8.01	69.94	6.80
<b>BBMD</b>	2015	IV	3.53	2.26	28.26	16.06	101.61	8.13	68.58	3.40
<b>BBMD</b>	2016	I	2.49	3.71	31.05	16.14	95.86	7.56	76.99	4.50
<b>BBMD</b>	2016	II	2.53	4.60	32.11	16.16	90.53	7.42	76.53	3.50
<b>BBMD</b>	2016	III	1.71	4.33	34.51	16.20	78.89	7.44	84.36	3.10
<b>BBMD</b>	2016	IV	2.30	3.59	35.12	16.18	80.93	7.48	78.48	3.00
<b>BBMD</b>	2017	I	2.82	2.57	34.81	16.19	84.97	7.67	73.97	3.60
<b>BBMD</b>	2017	II	2.92	2.67	34.44	16.21	81.84	7.53	72.78	4.40
<b>BBMD</b>	2017	III	3.52	2.78	34.86	16.24	81.34	7.45	66.89	3.70
<b>BBMD</b>	2017	IV	3.19	2.58	35.21	16.29	81.02	7.34	69.04	3.60
<b>BBMD</b>	2018	I	2.41	3.14	34.43	16.30	83.77	7.00	73.62	3.40
<b>BBMD</b>	2018	II	2.75	3.54	33.03	16.31	82.83	6.86	70.58	3.10
<b>BBMD</b>	2018	III	3.18	2.38	33.06	16.28	83.77	6.73	65.79	3.09
<b>BBMD</b>	2018	IV	2.96	2.33	34.58	16.22	86.93	6.41	68.09	3.20
<b>BABP</b>	2009	I	0.09	6.27	11.93	15.61	88.85	4.82	99.40	6.04
<b>BABP</b>	2009	II	0.17	6.12	11.59	15.69	86.97	5.54	98.89	2.75
<b>BABP</b>	2009	III	0.18	5.63	11.91	15.76	89.64	5.78	98.84	2.41
<b>BABP</b>	2010	I	0.67	4.67	10.72	15.79	93.57	5.36	91.30	3.81
<b>BABP</b>	2010	II	0.54	4.52	10.79	15.80	94.05	5.38	94.53	4.16
<b>BABP</b>	2010	III	0.53	4.45	12.56	15.85	93.83	5.36	95.07	6.44
<b>BABP</b>	2010	IV	0.24	4.34	12.63	15.97	84.96	6.19	96.96	6.33
<b>BABP</b>	2011	I	0.15	5.49	12.12	15.87	94.68	5.80	98.10	6.70
<b>BABP</b>	2011	II	0.09	5.95	11.22	15.86	90.26	5.28	102.85	5.50
<b>BABP</b>	2011	III	- 0.63	6.69	12.54	15.81	85.98	4.36	106.95	4.60
<b>BABP</b>	2011	IV	- 1.88	6.25	10.12	15.80	84.58	5.38	114.63	3.80
<b>BABP</b>	2012	I	0.47	5.58	10.76	15.74	85.77	5.94	97.53	4.00
<b>BABP</b>	2012	II	-0.22	5.23	12.49	15.74	85.96	5.28	99.73	4.45
<b>BABP</b>	2012	III	0.10	5.22	12.69	15.68	87.84	5.46	98.97	4.30
<b>BABP</b>	2012	IV	0.09	5.78	11.21	15.82	79.48	5.44	99.68	4.30
<b>BABP</b>	2013	I	0.05	6.36	10.59	15.76	86.83	4.96	102.57	5.90
<b>BABP</b>	2013	II	-0.04	5.92	13.05	15.78	87.65	4.85	103.42	5.90
<b>BABP</b>	2013	III	0.10	5.64	12.52	15.83	85.59	4.82	100.23	8.40
<b>BABP</b>	2013	IV	-0.93	4.88	13.09	15.92	80.14	4.84	107.77	8.40
<b>BABP</b>	2014	I	-0.98	5.25	12.47	15.89	82.70	3.68	110.09	7.30
<b>BABP</b>	2014	II	-0.66	6.11	12.92	15.84	90.46	3.51	107.32	6.70
<b>BABP</b>	2014	III	-0.41	5.73	14.91	16.22	67.14	3.46	104.80	4.50
<b>BABP</b>	2014	IV	-0.82	5.88	17.79	16.06	8.35	3.43	108.54	8.40

<b>BABP</b>	2015	I	0.11	5.55	16.03	16.12	73.99	3.56	98.97	6.40
<b>BABP</b>	2015	II	0.10	3.79	13.87	16.15	80.09	3.24	99.07	7.30
<b>BABP</b>	2015	III	0.13	3.43	13.41	16.22	80.24	3.27	98.79	6.80
<b>BABP</b>	2015	IV	0.10	2.97	17.83	16.31	72.29	3.32	98.97	3.40
<b>BABP</b>	2016	I	0.25	3.71	17.36	16.28	80.40	3.37	97.66	4.50
<b>BABP</b>	2016	II	0.15	3.50	18.01	16.35	77.13	3.39	93.97	3.50
<b>BABP</b>	2016	III	0.12	4.17	19.12	16.34	79.21	3.61	95.76	3.10
<b>BABP</b>	2016	IV	0.11	2.77	19.54	16.38	77.20	3.28	95.61	3.00
<b>BABP</b>	2017	I	-1.99	3.13	18.34	16.36	82.06	3.27	121.15	3.60
<b>BABP</b>	2017	II	-1.07	4.47	18.63	16.32	80.31	3.38	113.67	4.40
<b>BABP</b>	2017	III	-1.01	4.49	17.76	16.24	86.94	3.43	112.19	3.70
<b>BABP</b>	2017	IV	-7.47	7.23	12.58	16.19	78.78	3.04	180.62	3.60
<b>BABP</b>	2018	I	4.68	5.76	14.59	16.18	80.60	3.23	69.39	3.40
<b>BABP</b>	2018	II	2.48	5.22	14.90	16.14	91.49	3.70	80.65	3.10
<b>BABP</b>	2018	III	1.71	6.02	15.22	16.12	88.51	3.84	85.60	3.09
<b>BABP</b>	2018	IV	0.74	5.72	16.27	16.17	88.64	4.10	93.51	3.20
<b>HSBC</b>	2009	I	2.31	0.68	16.58	16.81	50.21	4.87	80.13	6.04
<b>HSBC</b>	2009	II	2.38	0.66	20.66	16.87	46.79	4.76	77.56	2.75
<b>HSBC</b>	2009	III	2.21	1.11	21.83	16.89	45.54	4.63	77.79	2.41
<b>HSBC</b>	2010	I	2.74	1.04	21.70	16.98	43.87	3.79	67.17	3.81
<b>HSBC</b>	2010	II	2.27	0.57	21.45	16.91	50.32	3.89	70.93	4.16
<b>HSBC</b>	2010	III	2.10	0.58	19.69	16.91	52.76	4.04	72.75	6.44
<b>HSBC</b>	2010	IV	1.78	0.35	19.05	16.88	62.44	4.09	76.32	6.33
<b>HSBC</b>	2011	I	1.48	0.32	18.33	16.86	67.99	4.40	80.88	6.70
<b>HSBC</b>	2011	II	1.67	0.34	18.00	16.88	70.46	4.58	78.95	5.50
<b>HSBC</b>	2011	III	1.64	0.63	17.47	16.93	71.40	4.54	78.98	4.60
<b>HSBC</b>	2011	IV	1.49	0.74	16.37	17.00	70.06	4.38	81.00	3.80
<b>HSBC</b>	2012	I	2.08	0.69	16.89	16.95	72.72	3.93	82.37	4.00
<b>HSBC</b>	2012	II	1.46	0.37	15.81	16.98	80.10	3.88	86.21	4.45
<b>HSBC</b>	2012	III	1.09	0.26	14.81	17.02	77.86	3.99	89.65	4.30
<b>HSBC</b>	2012	IV	1.02	0.28	14.21	17.05	81.82	3.77	90.02	4.30
<b>HSBC</b>	2013	I	1.35	0.24	14.56	17.05	84.17	3.14	85.79	5.90
<b>HSBC</b>	2013	II	1.09	0.43	13.26	17.10	90.38	3.48	90.39	5.90
<b>HSBC</b>	2013	III	1.28	0.44	13.02	17.19	81.71	3.50	94.80	8.40
<b>HSBC</b>	2013	IV	1.19	0.92	13.10	17.17	83.07	3.60	94.13	8.40
<b>HSBC</b>	2014	I	1.16	1.01	13.92	17.15	85.10	3.56	89.04	7.30
<b>HSBC</b>	2014	II	0.75	1.15	13.19	17.23	81.70	3.49	93.50	6.70
<b>HSBC</b>	2014	III	0.30	1.85	13.09	17.23	81.41	3.38	98.24	4.50
<b>HSBC</b>	2014	IV	0.30	2.27	13.41	17.21	84.74	3.38	97.97	8.40
<b>HSBC</b>	2015	I	0.36	2.24	13.34	17.24	83.46	3.17	96.05	6.40
<b>HSBC</b>	2015	II	0.34	2.21	13.35	17.26	79.34	3.13	96.40	7.30
<b>HSBC</b>	2015	III	0.34	2.22	12.82	17.25	85.41	4.27	96.28	6.80
<b>HSBC</b>	2015	IV	0.11	4.17	18.59	17.23	86.82	4.41	98.99	3.40
<b>HSBC</b>	2016	I	1.26	4.38	18.66	17.23	83.26	4.92	87.61	4.50
<b>HSBC</b>	2016	II	1.06	4.24	18.81	17.20	88.51	4.98	89.00	3.50
<b>HSBC</b>	2016	III	0.99	4.84	19.79	17.13	93.15	5.24	90.15	3.10
<b>HSBC</b>	2016	IV	0.47	6.06	23.69	17.09	97.30	5.43	95.66	3.00
<b>HSBC</b>	2017	I	1.23	6.52	24.53	17.01	106.68	6.26	87.62	3.60
<b>HSBC</b>	2017	II	1.78	3.23	18.98	18.47	105.15	4.88	83.53	4.40
<b>HSBC</b>	2017	III	1.73	3.81	18.18	18.48	104.09	5.11	83.50	3.70
<b>HSBC</b>	2017	IV	1.78	4.26	22.49	18.43	106.55	5.25	82.79	3.60
<b>HSBC</b>	2018	I	2.85	3.91	21.79	18.52	98.11	4.63	73.21	3.40
<b>HSBC</b>	2018	II	1.63	3.07	21.69	18.53	102.98	4.51	84.56	3.10
<b>HSBC</b>	2018	III	1.68	3.06	21.61	18.41	107.00	4.58	83.69	3.09

<b>HSBC</b>	2018	IV	1.13	2.52	20.79	18.44	124.71	4.64	88.92	3.20
<b>NISP</b>	2009	I	1.34	3.91	19.50	17.35	69.35	5.22	88.73	6.04
<b>NISP</b>	2009	II	1.72	3.93	18.92	17.30	78.51	5.53	85.21	2.75
<b>NISP</b>	2009	III	1.79	3.17	18.00	17.43	72.39	5.53	84.24	2.41
<b>NISP</b>	2010	I	1.87	3.27	17.12	17.39	76.60	5.42	81.42	3.81
<b>NISP</b>	2010	II	1.75	2.97	18.65	17.48	77.54	5.31	82.46	4.16
<b>NISP</b>	2010	III	1.74	2.99	17.03	17.51	76.46	5.26	85.21	6.44
<b>NISP</b>	2010	IV	1.09	2.00	16.04	17.61	77.96	5.14	84.66	6.33
<b>NISP</b>	2011	I	1.64	1.94	16.62	17.68	83.58	5.05	84.01	6.70
<b>NISP</b>	2011	II	1.68	1.82	15.46	17.78	85.74	4.85	82.49	5.50
<b>NISP</b>	2011	III	1.83	1.53	15.06	17.82	83.71	4.84	81.16	4.60
<b>NISP</b>	2011	IV	1.91	1.26	13.75	17.91	87.04	4.80	79.85	3.80
<b>NISP</b>	2012	I	1.75	1.20	16.08	17.96	85.50	4.37	80.34	4.00
<b>NISP</b>	2012	II	1.70	1.07	17.60	18.05	91.84	4.20	80.35	4.45
<b>NISP</b>	2012	III	1.78	1.04	16.68	18.08	93.93	4.24	79.20	4.30
<b>NISP</b>	2012	IV	1.79	0.91	16.49	18.19	86.79	4.17	78.93	4.30
<b>NISP</b>	2013	I	1.63	0.80	16.61	18.21	90.22	3.87	79.09	5.90
<b>NISP</b>	2013	II	1.77	0.69	15.71	18.22	97.99	4.05	77.98	5.90
<b>NISP</b>	2013	III	1.82	0.72	14.93	18.30	97.03	4.15	77.86	8.40
<b>NISP</b>	2013	IV	1.81	0.73	19.28	18.40	92.49	4.11	78.03	8.40
<b>NISP</b>	2014	I	1.89	0.76	19.92	18.37	100.83	4.13	78.59	7.30
<b>NISP</b>	2014	II	1.75	1.12	19.66	18.43	91.52	4.11	79.95	6.70
<b>NISP</b>	2014	III	1.70	1.13	19.07	18.51	83.55	4.13	80.18	4.50
<b>NISP</b>	2014	IV	1.79	1.34	18.74	18.45	93.59	4.15	79.46	8.40
<b>NISP</b>	2015	I	1.77	1.39	19.19	18.56	84.61	3.82	79.04	6.40
<b>NISP</b>	2015	II	1.70	1.28	18.67	18.61	87.32	3.71	79.75	7.30
<b>NISP</b>	2015	III	1.60	1.34	17.28	18.69	89.72	3.86	80.63	6.80
<b>NISP</b>	2015	IV	1.68	1.30	17.32	18.61	98.05	4.07	80.14	3.40
<b>NISP</b>	2016	I	2.05	1.41	18.00	18.60	94.70	5.23	78.73	4.50
<b>NISP</b>	2016	II	1.98	1.36	18.95	18.67	92.85	4.70	78.93	3.50
<b>NISP</b>	2016	III	1.93	1.45	18.97	18.68	92.13	4.63	79.31	3.10
<b>NISP</b>	2016	IV	1.85	1.88	18.28	18.74	89.86	4.62	79.84	3.00
<b>NISP</b>	2017	I	2.06	1.89	18.23	18.78	85.89	4.31	75.38	3.60
<b>NISP</b>	2017	II	2.08	1.88	17.55	18.78	94.34	4.49	75.78	4.40
<b>NISP</b>	2017	III	2.04	1.90	17.71	18.82	89.78	4.49	76.29	3.70
<b>NISP</b>	2017	IV	1.96	1.79	17.51	18.85	93.42	4.47	77.07	3.60
<b>NISP</b>	2018	I	2.18	1.72	17.01	18.90	91.13	4.24	73.19	3.40
<b>NISP</b>	2018	II	2.14	1.77	16.74	18.95	96.70	4.15	72.84	3.10
<b>NISP</b>	2018	III	2.18	1.75	17.03	18.99	100.91	4.19	73.06	3.09
<b>NISP</b>	2018	IV	2.10	1.73	17.63	18.92	93.51	4.15	74.43	3.20
<b>BNLI</b>	2009	I	1.70	5.70	13.20	17.80	85.40	5.50	87.10	6.04
<b>BNLI</b>	2009	II	1.72	5.06	12.67	17.85	87.41	5.52	86.76	2.75
<b>BNLI</b>	2009	III	1.39	3.99	12.16	17.84	90.64	5.71	89.18	2.41
<b>BNLI</b>	2010	I	2.60	4.20	13.90	17.94	85.90	5.60	80.80	3.81
<b>BNLI</b>	2010	II	2.40	3.70	13.90	17.95	87.80	5.50	81.60	4.16
<b>BNLI</b>	2010	III	2.28	3.19	12.97	18.02	84.36	5.37	81.76	6.44
<b>BNLI</b>	2010	IV	1.89	2.65	14.13	18.11	87.46	5.34	84.83	6.33
<b>BNLI</b>	2011	I	2.40	2.63	14.01	18.19	62.57	1.35	68.10	6.70
<b>BNLI</b>	2011	II	2.17	2.42	13.19	18.27	85.65	5.21	82.34	5.50
<b>BNLI</b>	2011	III	1.91	2.26	14.82	18.35	88.99	5.13	84.65	4.60
<b>BNLI</b>	2011	IV	2.00	2.00	14.00	18.44	83.00	5.00	85.00	3.80
<b>BNLI</b>	2012	I	1.79	1.92	14.44	18.46	86.82	5.52	84.51	4.00
<b>BNLI</b>	2012	II	1.89	1.57	13.23	18.52	95.22	5.07	81.69	4.45
<b>BNLI</b>	2012	III	1.87	1.49	13.27	18.56	97.00	4.75	81.52	4.30



<b>BNLI</b>	2012	IV	1.70	1.37	15.86	18.70	89.52	5.03	83.13	4.30
<b>BNLI</b>	2013	I	1.36	1.28	16.21	18.74	89.92	3.87	86.24	5.90
<b>BNLI</b>	2013	II	1.57	1.21	15.55	18.79	91.78	4.37	83.53	5.90
<b>BNLI</b>	2013	III	1.63	1.12	14.44	18.85	94.51	4.38	83.55	8.40
<b>BNLI</b>	2013	IV	1.55	1.04	14.28	18.92	89.26	4.22	84.99	8.40
<b>BNLI</b>	2014	I	1.17	1.00	14.48	18.93	93.49	3.37	88.43	7.30
<b>BNLI</b>	2014	II	1.25	1.45	13.66	18.99	91.54	3.51	87.92	6.70
<b>BNLI</b>	2014	III	1.25	1.44	13.19	19.04	88.05	3.54	88.08	4.50
<b>BNLI</b>	2014	IV	1.16	1.70	13.58	19.04	89.13	3.63	89.80	8.40
<b>BNLI</b>	2015	I	1.57	1.62	13.96	19.06	88.79	3.58	85.10	6.40
<b>BNLI</b>	2015	II	1.16	2.15	14.00	19.04	89.96	3.76	88.80	7.30
<b>BNLI</b>	2015	III	0.87	2.50	13.62	19.08	88.18	3.96	91.76	6.80
<b>BNLI</b>	2015	IV	0.16	2.74	15.00	19.02	87.84	3.96	98.86	3.40
<b>BNLI</b>	2016	I	-1.14	3.48	15.10	18.98	89.71	3.94	110.94	4.50
<b>BNLI</b>	2016	II	-1.24	4.59	18.60	19.02	85.92	3.91	111.79	3.50
<b>BNLI</b>	2016	III	-1.23	4.86	19.33	18.96	85.93	3.95	112.28	3.10
<b>BNLI</b>	2016	IV	-4.89	8.83	15.64	18.92	80.45	3.93	150.77	3.00
<b>BNLI</b>	2017	I	1.41	6.41	16.99	18.92	74.58	3.45	87.29	3.60
<b>BNLI</b>	2017	II	1.00	4.72	18.89	18.79	86.70	3.77	90.78	4.40
<b>BNLI</b>	2017	III	0.77	4.70	18.84	18.83	82.75	3.94	93.10	3.70
<b>BNLI</b>	2017	IV	0.61	4.60	18.12	18.81	87.54	3.99	94.83	3.60
<b>BNLI</b>	2018	I	0.54	4.59	17.73	18.84	88.99	3.91	94.72	3.40
<b>BNLI</b>	2018	II	0.50	4.26	19.59	18.88	86.11	3.96	98.31	3.10
<b>BNLI</b>	2018	III	0.57	4.78	19.19	18.85	90.61	4.02	96.45	3.09
<b>BNLI</b>	2018	IV	0.78	4.36	19.44	18.79	90.08	4.11	93.36	3.20
<b>BKSW</b>	2009	I	0.36	4.61	11.14	14.52	70.43	5.64	97.00	6.04
<b>BKSW</b>	2009	II	0.28	5.35	13.55	14.62	61.30	4.63	97.33	2.75
<b>BKSW</b>	2009	III	0.30	5.70	12.47	14.67	66.97	4.78	96.46	2.41
<b>BKSW</b>	2010	I	0.15	4.23	11.88	14.71	69.61	4.48	97.66	3.81
<b>BKSW</b>	2010	II	0.26	3.53	11.31	14.67	77.67	4.89	96.74	4.16
<b>BKSW</b>	2010	III	0.24	3.21	10.56	14.74	73.57	5.04	96.28	6.44
<b>BKSW</b>	2010	IV	0.17	2.08	9.92	14.77	71.65	5.13	95.57	6.33
<b>BKSW</b>	2011	I	1.41	1.73	55.16	14.95	68.69	5.48	84.97	6.70
<b>BKSW</b>	2011	II	0.89	1.77	54.48	15.00	66.24	5.48	90.42	5.50
<b>BKSW</b>	2011	III	0.61	1.26	48.16	15.11	67.83	5.34	93.52	4.60
<b>BKSW</b>	2011	IV	0.46	1.56	45.75	15.09	75.48	5.43	93.52	3.80
<b>BKSW</b>	2012	I	-0.25	1.27	37.80	15.14	81.93	5.00	104.29	4.00
<b>BKSW</b>	2012	II	-0.61	1.03	33.74	15.25	88.95	5.04	108.05	4.45
<b>BKSW</b>	2012	III	-1.05	0.96	33.37	15.37	80.47	4.75	113.60	4.30
<b>BKSW</b>	2012	IV	-0.81	0.73	27.76	15.35	87.37	4.63	108.03	4.30
<b>BKSW</b>	2013	I	0.01	0.58	24.68	15.38	93.20	4.16	101.10	5.90
<b>BKSW</b>	2013	II	-0.82	0.47	39.71	15.58	92.70	3.62	113.68	5.90
<b>BKSW</b>	2013	III	-0.83	0.25	24.40	15.87	107.24	3.07	129.17	8.40
<b>BKSW</b>	2013	IV	0.07	0.23	18.73	16.22	113.30	2.82	100.82	8.40
<b>BKSW</b>	2014	I	0.09	0.17	18.35	16.30	104.14	2.59	101.62	7.30
<b>BKSW</b>	2014	II	0.21	0.31	21.69	16.50	104.43	2.96	96.56	6.70
<b>BKSW</b>	2014	III	0.36	0.27	19.01	16.66	97.48	3.03	95.95	4.50
<b>BKSW</b>	2014	IV	1.05	0.31	15.10	16.85	93.47	2.80	88.97	8.40
<b>BKSW</b>	2015	I	0.26	0.28	13.58	16.93	96.33	2.33	98.29	6.40
<b>BKSW</b>	2015	II	0.34	1.90	12.57	16.95	97.25	2.54	95.87	7.30
<b>BKSW</b>	2015	III	0.41	2.78	17.54	17.05	104.64	2.72	96.10	6.80
<b>BKSW</b>	2015	IV	0.87	2.59	16.18	17.06	112.54	3.08	90.95	3.40
<b>BKSW</b>	2016	I	-0.44	3.85	15.29	17.10	90.02	2.43	103.42	4.50
<b>BKSW</b>	2016	II	-1.18	3.92	14.76	17.03	96.38	2.32	111.86	3.50

<b>BKSW</b>	2016	III	-1.57	4.87	12.38	17.03	89.33	2.18	113.09	3.10
<b>BKSW</b>	2016	IV	-3.34	6.86	16.46	17.01	94.54	2.25	137.94	3.00
<b>BKSW</b>	2017	I	0.41	8.76	14.83	16.98	94.52	2.77	89.75	3.60
<b>BKSW</b>	2017	II	-3.23	4.84	16.02	17.02	90.23	2.19	133.65	4.40
<b>BKSW</b>	2017	III	-3.18	6.48	13.65	17.09	76.96	1.75	136.45	3.70
<b>BKSW</b>	2017	IV	-3.72	1.85	20.30	17.02	70.37	1.22	143.76	3.60
<b>BKSW</b>	2018	I	-0.84	2.63	22.40	16.93	72.08	1.84	112.28	3.40
<b>BKSW</b>	2018	II	-0.85	2.69	21.55	16.84	77.85	1.82	111.54	3.10
<b>BKSW</b>	2018	III	-0.97	4.16	21.50	16.90	73.26	1.57	112.18	3.09
<b>BKSW</b>	2018	IV	0.12	2.49	26.50	16.93	72.59	1.73	99.43	3.20
<b>BSIM</b>	2009	I	0.59	1.11	16.63	15.85	61.69	4.06	96.23	6.04
<b>BSIM</b>	2009	II	0.69	0.80	15.19	15.88	72.49	4.69	95.01	2.75
<b>BSIM</b>	2009	III	0.93	2.17	13.95	15.90	79.01	5.04	91.18	2.41
<b>BSIM</b>	2010	I	1.39	2.59	13.92	15.96	73.93	5.67	87.64	3.81
<b>BSIM</b>	2010	II	1.50	2.15	13.16	15.95	81.67	5.43	90.71	4.16
<b>BSIM</b>	2010	III	1.38	2.04	12.54	16.12	71.48	6.15	91.29	6.44
<b>BSIM</b>	2010	IV	1.44	1.26	14.10	16.23	73.64	6.19	91.41	6.33
<b>BSIM</b>	2011	I	1.43	0.80	12.51	16.29	72.75	7.02	91.90	6.70
<b>BSIM</b>	2011	II	1.30	1.04	15.14	16.37	74.20	6.71	92.65	5.50
<b>BSIM</b>	2011	III	1.12	0.94	14.61	16.56	66.99	6.21	95.53	4.60
<b>BSIM</b>	2011	IV	1.07	0.88	13.98	16.63	69.50	5.65	93.55	3.80
<b>BSIM</b>	2012	I	1.13	0.93	14.41	16.66	73.77	4.94	92.67	4.00
<b>BSIM</b>	2012	II	1.75	0.92	13.98	16.60	83.31	5.58	88.95	4.45
<b>BSIM</b>	2012	III	1.74	0.92	17.47	16.63	78.07	5.73	88.97	4.30
<b>BSIM</b>	2012	IV	1.74	3.18	18.09	16.53	80.78	5.72	88.55	4.30
<b>BSIM</b>	2013	I	1.80	3.66	23.14	16.54	79.93	5.60	87.62	5.90
<b>BSIM</b>	2013	II	1.83	3.88	24.03	16.56	80.21	5.49	87.77	5.90
<b>BSIM</b>	2013	III	1.79	3.05	22.74	16.69	77.41	5.52	88.14	8.40
<b>BSIM</b>	2013	IV	1.71	2.50	21.82	16.67	78.72	5.23	88.50	8.40
<b>BSIM</b>	2014	I	1.01	1.55	21.39	16.69	79.77	6.04	94.02	7.30
<b>BSIM</b>	2014	II	1.11	1.57	20.48	16.80	72.51	6.10	94.03	6.70
<b>BSIM</b>	2014	III	1.08	2.04	19.58	16.82	76.94	6.02	93.99	4.50
<b>BSIM</b>	2014	IV	1.02	3.00	18.38	16.87	83.88	5.87	94.54	8.40
<b>BSIM</b>	2015	I	1.10	2.55	17.70	16.88	80.56	6.30	94.30	6.40
<b>BSIM</b>	2015	II	0.81	2.37	15.06	17.00	78.92	5.73	96.08	7.30
<b>BSIM</b>	2015	III	1.13	2.27	13.81	17.16	76.56	5.72	94.08	6.80
<b>BSIM</b>	2015	IV	0.95	3.95	14.37	17.14	78.04	5.77	91.67	3.40
<b>BSIM</b>	2016	I	1.81	2.97	14.84	17.17	74.53	5.70	85.79	4.50
<b>BSIM</b>	2016	II	1.70	4.02	16.54	17.15	87.00	6.11	86.81	3.50
<b>BSIM</b>	2016	III	1.88	3.45	16.86	17.16	84.74	6.38	85.08	3.10
<b>BSIM</b>	2016	IV	1.72	2.10	16.70	17.26	77.47	6.44	86.23	3.00
<b>BSIM</b>	2017	I	1.31	3.23	16.72	17.27	78.50	6.41	88.20	3.60
<b>BSIM</b>	2017	II	0.95	4.21	15.63	17.34	74.15	6.00	91.23	4.40
<b>BSIM</b>	2017	III	0.98	4.32	16.84	17.29	78.03	6.08	91.11	3.70
<b>BSIM</b>	2017	IV	1.26	3.79	18.31	17.23	80.57	6.46	88.94	3.60
<b>BSIM</b>	2018	I	1.95	3.75	18.83	17.25	85.80	7.45	84.01	3.40
<b>BSIM</b>	2018	II	1.86	4.76	18.42	17.21	81.93	7.62	84.24	3.10
<b>BSIM</b>	2018	III	1.41	4.47	17.12	17.27	88.88	7.82	88.65	3.09
<b>BSIM</b>	2018	IV	0.25	4.74	17.60	17.34	84.24	7.61	97.62	3.20
<b>UOB</b>	2009	I	3.16	2.80	21.18	16.91	89.71	7.38	78.11	6.04
<b>UOB</b>	2009	II	3.00	2.15	22.68	16.92	91.24	5.83	76.65	2.75
<b>UOB</b>	2009	III	3.03	2.24	26.25	16.90	89.47	5.85	75.51	2.41
<b>UOB</b>	2010	I	3.23	1.90	23.01	16.97	92.29	6.87	74.91	3.81
<b>UOB</b>	2010	II	2.54	2.39	22.17	16.98	100.45	6.67	79.64	4.16

UOB	2010	III	3.23	1.78	23.26	17.37	100.43	5.91	71.52	6.44
UOB	2010	IV	3.31	2.28	22.27	17.46	97.10	6.17	70.85	6.33
UOB	2011	I	2.49	2.45	21.11	17.57	92.30	5.71	76.59	6.70
UOB	2011	II	2.55	1.59	19.27	17.60	101.67	5.57	76.23	5.50
UOB	2011	III	2.41	1.50	18.26	17.74	93.98	5.24	76.73	4.60
UOB	2011	IV	2.30	1.53	17.61	17.83	91.70	5.14	77.55	3.80
UOB	2012	I	2.69	1.50	17.24	17.79	98.24	5.27	75.54	4.00
UOB	2012	II	2.72	1.48	16.86	17.89	92.86	5.21	73.53	4.45
UOB	2012	III	2.73	1.52	16.79	17.89	93.13	5.17	73.41	4.30
UOB	2012	IV	2.60	1.81	16.77	17.90	96.64	5.07	74.61	4.30
UOB	2013	I	2.39	1.71	17.40	17.94	91.48	4.56	75.74	5.90
UOB	2013	II	2.14	2.38	15.68	17.96	96.89	4.44	77.50	5.90
UOB	2013	III	2.35	2.23	14.98	18.03	94.16	4.57	78.83	8.40
UOB	2013	IV	2.38	1.63	14.94	18.08	91.15	4.55	78.45	8.40
UOB	2014	I	1.35	1.76	15.81	18.10	96.20	4.38	86.52	7.30
UOB	2014	II	1.06	2.60	17.12	18.13	93.87	4.32	91.62	6.70
UOB	2014	III	0.98	3.51	16.52	18.16	93.68	4.27	92.05	4.50
UOB	2014	IV	1.23	3.72	15.72	18.20	89.31	4.21	90.59	8.40
UOB	2015	I	0.64	3.98	16.03	18.25	83.91	3.85	95.88	6.40
UOB	2015	II	0.51	2.17	16.74	18.24	83.90	3.68	97.13	7.30
UOB	2015	III	0.78	2.33	15.47	18.25	92.48	3.86	95.80	6.80
UOB	2015	IV	0.77	2.68	16.20	18.28	95.17	3.97	96.46	3.40
UOB	2016	I	0.89	3.46	17.34	18.26	89.69	4.12	97.16	4.50
UOB	2016	II	0.91	3.30	16.87	18.28	95.16	4.33	95.97	3.50
UOB	2016	III	0.99	3.65	17.35	18.27	94.58	4.33	95.23	3.10
UOB	2016	IV	0.77	3.24	16.44	18.36	90.11	4.30	95.90	3.00
UOB	2017	I	1.06	3.27	16.42	18.35	88.77	3.91	91.29	3.60
UOB	2017	II	0.96	3.68	16.04	18.38	91.56	3.88	92.59	4.40
UOB	2017	III	0.47	3.61	15.70	18.38	92.96	3.81	96.73	3.70
UOB	2017	IV	0.32	1.09	17.08	18.37	83.57	3.85	97.81	3.60
UOB	2018	I	1.09	1.26	17.17	18.35	88.19	3.87	94.00	3.40
UOB	2018	II	0.85	2.30	16.20	18.39	88.46	3.97	96.34	3.10
UOB	2018	III	0.77	2.23	15.91	18.41	86.69	3.76	96.97	3.09
UOB	2018	IV	0.71	1.42	15.37	18.32	93.04	3.79	97.08	3.20
<b>PNBN</b>	<b>2009</b>	<b>I</b>	<b>1.31</b>	<b>4.97</b>	<b>23.87</b>	<b>18.06</b>	<b>70.02</b>	<b>4.43</b>	<b>91.61</b>	<b>6.04</b>
PNBN	2009	II	1.60	4.79	23.54	18.09	70.78	4.70	86.31	2.75
PNBN	2009	III	1.75	3.15	21.79	18.15	73.28	4.43	84.74	2.41
PNBN	2010	I	2.80	2.90	21.35	18.19	75.70	5.56	81.05	3.81
PNBN	2010	II	2.50	2.80	19.71	18.28	76.73	5.21	81.61	4.16
PNBN	2010	III	2.29	3.04	18.64	18.35	73.44	4.85	78.47	6.44
PNBN	2010	IV	1.87	4.36	16.58	18.48	74.22	4.59	82.67	6.33
PNBN	2011	I	1.27	4.26	16.50	18.51	75.37	3.98	86.79	6.70
PNBN	2011	II	1.55	3.83	15.64	18.49	79.41	4.39	83.56	5.50
PNBN	2011	III	1.82	3.88	18.53	18.50	82.30	4.53	81.39	4.60
PNBN	2011	IV	2.02	3.56	17.45	18.59	80.36	4.64	80.26	3.80
PNBN	2012	I	2.12	3.61	17.46	18.63	80.49	4.09	77.27	4.00
PNBN	2012	II	2.13	3.30	16.59	18.67	87.83	4.13	77.12	4.45
PNBN	2012	III	2.02	1.64	15.51	18.70	86.67	4.18	78.06	4.30
PNBN	2012	IV	1.96	1.69	14.67	18.77	88.46	4.19	78.74	4.30
PNBN	2013	I	1.88	1.70	15.42	18.80	86.92	3.90	77.74	5.90
PNBN	2013	II	1.94	1.49	16.84	18.79	88.96	3.96	77.61	5.90
PNBN	2013	III	1.95	1.43	15.79	18.79	89.75	4.07	78.23	8.40
PNBN	2013	IV	1.85	2.13	15.32	18.85	87.71	4.09	79.78	8.40
PNBN	2014	I	2.05	2.15	16.20	18.84	89.13	3.78	79.67	7.30

PNBN	2014	II	2.24	2.08	15.82	18.87	91.45	3.76	78.47	6.70
PNBN	2014	III	2.37	2.01	17.46	18.89	95.59	3.98	78.80	4.50
PNBN	2014	IV	1.79	2.05	15.62	18.88	90.51	3.83	82.88	8.40
PNBN	2015	I	1.74	1.66	16.70	18.87	92.24	4.03	83.22	6.40
PNBN	2015	II	1.61	1.78	16.45	18.90	96.40	4.13	84.34	7.30
PNBN	2015	III	1.22	2.30	19.78	18.94	96.93	4.48	87.74	6.80
PNBN	2015	IV	1.27	2.41	19.94	18.95	94.22	4.41	87.12	3.40
PNBN	2016	I	1.68	2.64	19.92	18.95	93.71	4.98	82.77	4.50
PNBN	2016	II	1.57	2.76	19.77	18.99	95.62	4.96	84.00	3.50
PNBN	2016	III	1.59	2.63	20.82	19.01	93.74	4.94	83.61	3.10
PNBN	2016	IV	1.68	2.85	20.32	19.03	90.07	4.94	82.87	3.00
PNBN	2017	I	1.88	2.94	21.03	19.07	86.58	4.47	79.41	3.60
PNBN	2017	II	1.78	2.88	22.43	19.08	93.30	4.42	80.03	4.40
PNBN	2017	III	1.84	2.94	23.57	19.09	91.20	4.47	79.25	3.70
PNBN	2017	IV	1.61	2.84	21.99	19.10	96.39	4.68	85.04	3.60
PNBN	2018	I	1.65	2.65	22.35	19.10	90.25	4.35	80.24	3.40
PNBN	2018	II	1.66	2.78	21.70	19.06	100.01	4.50	80.46	3.10
PNBN	2018	III	1.92	3.08	23.04	19.03	102.60	4.60	78.48	3.09
PNBN	2018	IV	2.25	2.97	23.49	19.01	104.15	4.61	75.54	3.20

Sumber: Otoritas Jasa Keuangan (2018), data diolah

KODE	NAMA BANK
INPC	BANK ARTHA GRAHA INTERNATIONAL
BBKP	BANK BUKOPIN
BNBA	BANK BUMI ARTA
BBCA	BANK CENTRAL ASIA
BBNP	BANK NUSANTARA PARAHYANGAN
BNGA	BANK CIMB NIAGA
BDMN	BANK DANAMON INDONESIA
BGTG	BANK GANESHA
INDEX	BANK INDEX SELINDO
BCIC	BANK JTRUST INDONESIA
HANA	BANK KEB HANA INDONESIA
BMAS	BANK MASPION INDONESIA
MAYA	BANK MAYAPADA INTERNATIONAL
BNII	BANK MAYBANK INDONESIA
MEGA	BANK MEGA
BBMD	BANK MESTIKA DHARMA
BABP	BANK MNC INTERNATIONAL
HSBC	BANK HSBC INDONESIA
NISP	BANK OCBC NISP
BNLI	BANK PERMATA
BKSW	BANK QNB KESAWAN
BSIM	BANK SINARMAS
UOB	BANK UOB INDONESIA

## Lampiran 6. Hasil Pengolahan Data pada STATA 15.0 untuk Variabel Dependen *Return on Assets (ROA)*

### 1. Hasil pengolahan analisis deskriptif

```
. xtset firm tahun
      panel variable:  firm (unbalanced)
      time variable:  tahun, 1 to 936
      delta: 1 unit

. summarize roa nplgross kpmncar size ldr nim bopo inflasi
```

Variable	Obs	Mean	Std. Dev.	Min	Max
roa	936	1.526079	1.450123	-7.87	7.17
nplgross	936	2.900417	3.530364	.05	42.96
kpmncar	936	18.14209	6.019489	4.93	55.16
size	936	17.10306	1.511487	14.10097	20.47042
ldr	936	84.91452	14.28673	8.35	150.82
nim	936	5.067953	3.123131	.24	88.93
bopo	936	86.13198	13.42244	44.76	180.62
inflasi	936	4.902051	1.698438	2.41	8.4

### 2. Hasil Analisis Model *Generalized Least Squares*

```
. xtgls roa nplgross kpmncar size ldr nim bopo inflasi
```

Cross-sectional time-series FGLS regression

Coefficients: generalized least square

Panels: homoscedastic

Correlation: no autocorrelation

```
Estimated covariances = 1      Number of obs = 936
Estimated autocorrelations = 0    Number of groups = 24
Estimated coefficients = 8        Obs per group:
```

```
min = 1
```

```
avg = 3.883817
```

```
max = 4
```

```
Wald chi2(7) = 15620.55
```

```
Log likelihood = -330.962      Prob > chi2 = 0.0000
```

	roa	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
nplgross		-.0438617	.0033624	13.04	0.000	.0372716 .0504518
kpmncar		-.0068245	.0021041	-3.24	0.061	-.0109485 -.0027005
size		.0282686	.0082168	-3.44	0.001	-.0443732 -.0121639
ldr		.0023227	.0008043	-2.89	0.004	-.0038991 -.0007463
nim		.0789784	.0037653	20.98	0.000	.0715985 .0863582
bopo		-.1036055	.0009657	-107.29	0.000	-.1054982 -.1017128
inflasi		.0124457	.0068354	1.82	0.070	-.0009515 .0258429
_cons		10.66586	.2171979	49.11	0.000	10.24016 11.09156

### 3. Hasil Analisis Model *Common Effect*

```
. reg roa nplgross kpmncar size ldr nim bopo inflasi
```

Source	SS	df	MS	Number of obs	=	936
Model	1855.01728	7	265.002468	F(7, 928)	=	2212.43
Residual	111.154622	928	.119778687	Prob > F	=	0.0000
				R-squared	=	0.9435
				Adj R-squared	=	0.9430
Total	1966.1719	935	2.10285765	Root MSE	=	.34609

roa	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
nplgross	-.0438617	.0033768	12.99	0.000	.0372346 .0504888
kpmncar	-.0068245	.0021132	-3.23	0.062	-.0109717 -.0026774
size	.0282686	.0082521	-3.43	0.001	-.0444636 -.0120735
ldr	.0023227	.0008078	-2.88	0.004	-.0039079 -.0007374
nim	.0789784	.0037815	20.89	0.000	.0715571 .0863997
bopo	-.1036055	.0009698	-106.83	0.000	-.1055088 -.1017022
inflasi	.0124457	.0068648	1.81	0.069	-.0010267 .0259181
_cons	10.66586	.2181321	48.90	0.000	10.23777 11.09395

```
. estimates store ols
```

### 4. Hasil Analisis Model *Fixed Effect*

```
. xtreg roa nplgross kpmncar size ldr nim bopo inflasi, fe
```

```
Fixed Effects (Within) regression      Number of obs      = 936
Group variable: firm                  Number of groups   = 24

R-sq:                                Obs per group:
  Within      = 0.8818                min          = 1
  between     = 0.9094                avg          = 3.9
  overall     = 0.9147                max          = 4
```

```
corr(u_i, Xb) = 0.0681                F (7,688) = 0.0000
                                          Prob > F = 0.0000
```

roa	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
nplgross	-.0232156	.0078616	-2.95	0.003	-.0386512 -.0077799
kpmncar	.0028895	.003746	0.77	0.441	-.0044654 .0102444
size	-.0155192	.0835926	-0.19	0.853	-.1796463 .148608
ldr	.0011183	.001503	0.74	0.457	-.0018326 .0040693
nim	.0708892	.0027783	25.52	0.000	.0654343 .0763442
bopo	-.0943075	.0014866	-63.44	0.000	-.0972264 -.0913886
inflasi	.0014116	.0062432	0.23	0.821	-.0108463 .0136695
_cons	9.468165	1.473251	6.43	0.000	6.575557 12.36077
sigma_u	.41026213				
sigma_e	.20061546				
rho	.80702792	(fraction of variance due to u_i)			

```
F test that all u_i=0: F(240, 688) = 8.64                Prob > F = 0.0000
```



```

sigma_e | .20061546
rho      | .80702792 (fraction of variance due to u_i)
-----|-----
F test that all u_i=0: F(240, 688) = 8.64          Prob > F = 0.0000

```

**7. Hasil Uji LM (Memilih antara *Polled Least Square* atau *fixed Effect*)**

```

. xttest0

Breusch and Pagan Lagrangian multiplier test for random
effects roa[firm,t] = Xb + u[firm] + e[firm,t]

```

Estimated results:

	Var	sd = sqrt(Var)
roa	2.102858	1.450123
e	.0402466	.2006155
u	.0769144	.2773345

Test : Var (u) = 0

Chibar2 (01) = 477.70  
 Prob > Chibar2 = 0.0000

**8. Hasil Uji Hausman (Memilih antara *Fixed Effect* atau *Random Effect*)**

```

. hausman fe re

```

	Coefficients			
	(b) fe	(B) re	(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
nplgross	-.0232156	.0265452	-.0497608	.0064427
kpmncar	.0028895	-.0033282	.0062177	.0027029
size	-.0155192	-.0187402	.003221	.0825678
ldr	.0011183	-.0010489	.0021672	.0011002
nim	.0708892	.07286	-.0019707	.0007844
bopo	-.0943075	-.0995735	.005266	.0009748
inflasi	.0014116	.0033036	-.001892	.0024398

b = consistent under Ho and Ha;  
 obtained from xtreg B = inconsistent under Ha,  
 efficient under Ho; obtained from xtreg  
 test : Ho: difference in coefficients not systematic  
 $\chi^2(7) = (b-B)' [V_b - V_B]^{-1} (b-B)$   
 = 83.67  
 Prob >  $\chi^2$  = 0.0000

**9. Hasil Uji Multikolonieritas untuk Model Terpilih *Fixed Effect***

```

. corr roa nplgross kpmncar size ldr nim bopo inflasi
(obs=936)

```

	Roa	nplgross	kpmncar	size	ldr	nim	bopo	inflasi
Roa	1.0000							
Nplgross	-0.1673	1.0000						
Kpmncar	0.2252	-0.1582	1.0000					
Size	0.2237	-0.0323	-0.2076	1.0000				
Ldr	0.0871	-0.0290	0.1125	0.1178	1.0000			
Nim	0.3706	-0.1614	0.1643	-0.0319	-0.0002	1.0000		
Bopo	-0.9521	0.2621	-0.2518	-0.2704	-0.1249	-0.2303	1.0000	



Inflasi | 0.0125 -0.0946 -0.1772 -0.0325 -0.0035 0.0403 0.0051 1.0000

### 10. Hasil Uji Heteroskedastisitas untuk Model Terpilih *Fixed Effect*

```
. xttest3

Modified Wald test for groupwise
heteroskedasticity in fixed effect
regression model

H0: sigma(i)^2 = sigma^2 for all i

chi2 (24) = 15579.12

Prob>chi2 = 0.0000
```

### 11. Hasil Uji Auto Korelasi untuk Model Terpilih *Fixed Effect*

```
. xtserial roa nplgross kpmcar size ldr nim bopo inflasi
.wooldridge test for autocorrelation in panel data
H0: no first order autocorrelation
F(1, 23) = 5.485
Prob > F = 0.0200
```

### 12. Hasil Uji F setelah *Treatment* (Model GLS)

```
Cross-sectional time-series FGLS regression

Coefficients: generalized least square
Panels: homoscedastic
Correlation: no autocorrelation

Estimated covariances = 1 Number of obs = 936
Estimated autocorrelations = 0 Number of groups = 24
Estimated coefficients = 8 Obs per group:
min = 1
avg = 3.883817
max = 4

Log likelihood = -330.962 Wald chi2(7) = 15620.55
Prob > chi2 = 0.0000
```

### 13. Hasil Uji t setelah *Treatment* (Model GLS)

roa	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
nplgross	-.0438617	.0033624	13.04	0.000	.0372716	.0504518
kpmcar	-.0068245	.0021041	-3.24	0.061	-.0109485	-.0027005
size	.0282686	.0082168	-3.44	0.001	-.0443732	-.0121639
ldr	.0023227	.0008043	-2.89	0.004	-.0038991	-.0007463
nim	.0789784	.0037653	20.98	0.000	.0715985	.0863582
bopo	-.1036055	.0009657	-107.29	0.000	-.1054982	-.1017128
inflasi	.0124457	.0068354	1.82	0.070	-.0009515	.0258429
_cons	10.66586	.2171979	49.11	0.000	10.24016	11.09156

## Lampiran 7. Hasil Pengolahan Data pada STATA 15.0 untuk Variabel Dependen *Non Performing Loan (NPL)*

### 1. Hasil pengolahan analisis deskriptif

```
. xtset firm tahun
      panel variable:  firm (unbalanced)
      time variable:  tahun, 1 to 936
      delta: 1 unit
```

```
. summarize nplgross roa kpmcar size ldr nim bopo inflasi
```

Variable	Obs	Mean	Std. Dev.	Min	Max
nplgross	936	2.900417	3.530364	.05	42.96
roa	936	1.526079	1.450123	-7.87	7.17
kpmcar	936	18.14209	6.019489	4.93	55.16
size	936	17.10306	1.511487	14.10097	20.47042
ldr	936	84.91452	14.28673	8.35	150.82
nim	936	5.067953	3.123131	.24	88.93
bopo	936	86.13198	13.42244	44.76	180.62
inflasi	936	4.902051	1.698438	2.41	8.4

### 2. Hasil Analisis Model *Generalized Least Squares*

```
. xtgls nplgross roa kpmcar size ldr nim bopo inflasi
```

Cross-sectional time-series FGLS regression

Coefficients: generalized least square  
Panels: homoscedastic  
Correlation: no autocorrelation

```
Estimated covariances = 1          Number of obs = 936
Estimated autocorrelations = 0      Number of groups = 24
Estimated coefficients = 8          Obs per group:
                                      min = 1
                                      avg = 3.883817
                                      max = 4
Log likelihood = -2381.53          Wald chi2(7) = 291.18
                                      Prob > chi2 = 0.0000
```

nplgross	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
roa	-3.507329	.268865	13.04	0.000	2.980363 4.034295
kpmcar	-.0315615	.0188928	-1.67	0.005	-.0685907 .0054677
size	.0883155	.0738832	1.20	0.002	-.056493 .2331239
ldr	-.010348	.0072164	1.43	0.042	-.0037958 .0244918
nim	.3625678	.0390656	-9.28	0.000	-.439135 -.2860006
bopo	.4109451	.028481	14.43	0.000	.3551233 .4667668
inflasi	.2406937	.0607247	-3.96	0.000	-.3597118 -.1216755
_cons	36.64675	3.472192	-10.55	0.000	-43.45212 -29.84138

### 3. Hasil Analisis Model *Common Effect*

. reg nplgross roa kpmncar size ldr nim bopo inflasi

Source	SS	df	MS	Number of obs	=	936
Model	2765.05577	7	395.007967	F(7, 928)	=	41.24
Residual	8888.29168	928	9.57790052	Prob > F	=	0.0000
				R-squared	=	0.2373
				Adj R-squared	=	0.2315
Total	11653.3474	935	12.4634732	Root MSE	=	3.0948

nplgross	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
roa	3.507329	.2700215	12.99	0.000	2.977406 4.037253
kpmncar	-.0315615	.0189741	-1.66	0.007	-.0687985 .0056756
size	.0883155	.074201	1.19	0.004	-.0573058 .2339367
ldr	-.010348	.0072474	1.43	0.044	-.0038752 .0245711
nim	-.3625678	.0392336	-9.24	0.000	-.4395647 -.2855708
bopo	.4109451	.0286035	14.37	0.000	.35481 .4670801
inflasi	.2406937	.0609859	-3.95	0.000	-.3603798 -.1210075
_cons	36.64675	3.487127	-10.51	0.000	-43.49032 -29.80318

. estimates store ols

### 4. Hasil Analisis Model *Fixed Effect*

. xtreg nplgross roa kpmncar size ldr nim bopo inflasi, fe

Fixed Effects (Within) regression  
Group variable: **firm**

Number of obs = 936  
Number of groups = 24

R-sq:

Within = 0.0880  
between = 0.0021  
overall = 0.0030

Obs per group:

min = 1  
avg = 3.9  
max = 4

F (7,688) = 0.0000

corr(u\_i, Xb) = -0.5952

Prob > F = 0.0000

nplgross	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
roa	-.5391354	.1825702	-2.95	0.003	-.897597 -.1806737
kpmncar	.012857	.018053	0.71	0.477	-.0225886 .0483027
size	-1.653624	.3978812	-4.16	0.000	-2.434831 -.872417
ldr	-.0028276	.0072449	-0.39	0.696	-.0170524 .0113973
nim	.0393742	.0186179	2.11	0.035	.0028194 .075929
bopo	-.0095753	.0187456	-0.51	0.610	-.0463808 .0272302
inflasi	-.0084247	.0300853	-0.28	0.780	-.0674947 .0506454
_cons	32.67855	7.202678	4.54	0.000	18.53668 46.82042
sigma_u	4.4144182				
sigma_e	.96677086				
rho	.95423278	(fraction of variance due to u_i)			

F test that all u\_i=0: F(240, 688) = 36.76

Prob > F = 0.0000



rho | .95423278 (fraction of variance due to u\_i)

F test that all u\_i=0: F(240, 688) = 36.76

Prob > F = 0.0000

### 7. Hasil Uji LM (Memilih antara *Polled Least Square* atau *fixed Effect*)

. xttest0

Breusch and Pagan Lagrangian multiplier test for random effects  
 $roa[firm,t] = Xb + u[firm] + e[firm,t]$

Estimated results:

	Var	sd = sqrt(Var)
nplgross	2.102858	1.450123
e	.0402466	.2006155
u	.0769144	.2773345

Test : Var (u) = 0

Chibar2 (01) = 781.39

Prob > Chibar2 = 0.0000

### 8. Hasil Uji Hausman (Memilih antara *Fixed Effect* atau *Random Effect*)

. hausman fe re

	Coefficients			
	(b) fe	(B) re	(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
roa	-.5391354	.0530162	-.5921515	.0608293
kpmncar	.012857	-.0066503	.0195073	.0084689
size	-1.653624	-.1293053	-1.524319	.3795327
ldr	-.0028276	.0001648	-.0029924	.0034798
nim	.0393742	-.0087656	.0481397	.0045173
bopo	-.0095753	.0524308	-.0620061	.005969
inflasi	-.0084247	-.0289497	.020525	.0063449

b = consistent under Ho and Ha;  
 obtained from xtreg B = inconsistent under Ha,  
 efficient under Ho; obtained from xtreg

test : Ho: difference in coefficients not systematic

chi2(7) = (b-B)' [V\_b-V\_B]^(-1) (b-B)  
 = 145.29

Prob > chi2 = 0.0000

### 9. Hasil Uji Multikolonieritas untuk Model Terpilih *Fixed Effect*

. corr nplgross roa kpmncar size ldr nim bopo inflasi

(obs=936)

	nplgross	roa	kpmncar	size	ldr	nim	bopo	inflasi
nplgross	1.0000							
roa	-0.1673	1.0000						
Kpmncar	-0.1582	0.2252	1.0000					
size	-0.0323	0.2237	-0.2076	1.0000				
Ldr	-0.0290	0.0871	0.1125	0.1178	1.0000			

nim	-0.1614	0.3706	0.1643	-0.0319	-0.0002	1.0000		
bopo	0.2621	-0.9521	-0.2518	-0.2704	-0.1249	-0.2303	1.0000	
inflasi	-0.0946	0.0125	-0.1772	-0.0325	-0.0035	0.0403	0.0051	1.0000

### 10. Hasil Uji Heteroskedastisitas untuk Model Terpilih *Fixed Effect*

```
. xttest3

Modified Wald test for groupwise
heteroskedasticity in fixed effect
regression model

H0: sigma(i)^2 = sigma^2 for all i

chi2 (24) = 7.897102

Prob>chi2 = 0.0000
```

### 11. Hasil Uji Auto Korelasi untuk Model Terpilih *Fixed Effect*

```
. xtserial roa nplgross kpmcar size ldr nim bopo inflasi
.wooldridge test for autocorrelation in panel data
H0: no first order autocorrelation
F(1, 23) = 12.601
Prob > F = 0.0005
```

### 12. Hasil Uji F setelah *Treatment* (Model GLS)

```
Cross-sectional time-series FGLS regression

Coefficients: generalized least square
Panels: homoscedastic
Correlation: no autocorrelation

Estimated covariances = 1
Estimated autocorrelations = 0
Estimated coefficients = 8

Number of obs = 936
Number of groups = 24
Obs per group:
    min = 1
    avg = 3.883817
    max = 4

Log likelihood = -2381.53
Wald chi2(7) = 291.18
Prob > chi2 = 0.0000
```

### 13. Hasil Uji t setelah *Treatment* (Model GLS)

nplgross	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
roa	-3.507329	.268865	13.04	0.000	2.980363 4.034295
kpmcar	-.0315615	.0188928	-1.67	0.005	-.0685907 .0054677
size	.0883155	.0738832	1.20	0.002	-.056493 .2331239
ldr	-.010348	.0072164	1.43	0.042	-.0037958 .0244918
nim	.3625678	.0390656	-9.28	0.000	-.439135 -.2860006
bopo	.4109451	.028481	14.43	0.000	.3551233 .4667668
inflasi	.2406937	.0607247	-3.96	0.000	-.3597118 -.1216755
_cons	36.64675	3.472192	-10.55	0.000	-43.45212 -29.84138