

BAB V

PENUTUP

A. Kesimpulan

Berdasarkan hasil empiris dan analisis hasil, diperoleh beberapa kesimpulan sebagai berikut:

1. Model regresi yang digunakan dalam penelitian ini merupakan metode analisis *Logistic Regression* yang dipakai adalah metode *Binary Logistic Regression*, digunakan ketika variabel dependennya adalah variabel dummy dan memiliki dua kemungkinan, terprediksi bangkrut ataupun tidak terprediksi bangkrut (Kolari *et al.*, 2000). Penulis menggunakan level signifikansi 0,05 yang akan mengestimasi fungsi variabel *dummy*. Korelasi majemuk dengan nilai Sig. $0,029 < 0,05$; berarti variabel *LNNIITA*, *LNNIATTA*, *LNTETA* memiliki hubungan dengan variabel *dummy*. Dalam pengujian hipotesisnya H_0 tidak didukung.
2. Pada pengujian multikolinearitas, menghasilkan bahwa terdapat keterikatan antara variabel independennya. Terlihat bahwa koefisien korelasi antara NIITA dan NIATTA = $0,432 < 0,85$; koefisien korelasi antara LNNIITA dan LNTETA = $0,493 < 0,85$; koefisien korelasi antara LNNIATTA dan LNTETA = $0,323 < 0,85$; sehingga tidak terdapat penyakit multikolinearitas.
3. Pada pengujian keterikatan masing-masing, didapatkan hasil bahwa variabel *LNNIITA* tidak berpengaruh secara signifikan terhadap probabilitas

kebangkrutan bank atau variabel dependennya (variabel *dummy* terprediksi bangkrut dan tidak terprediksi bangkrut) karena nilai sig $0,627 > 0,05$ (mendukung H_0). Pada pengujian Chi-Kuadrat, nilai signifikansi variabel *LNNIITA* $1,000 > 0,05$ (mendukung H_0).

4. Pada pengujian keterikatan masing-masing, didapatkan hasil bahwa variabel *LNNIATTA* tidak berpengaruh secara signifikan terhadap probabilitas kebangkrutan bank atau variabel dependennya (variabel *dummy* terprediksi bangkrut dan tidak terprediksi bangkrut) karena nilai sig $0,214 > 0,05$; (mendukung H_0). Pada pengujian Chi-Kuadrat, nilai signifikansi variabel *LNNIATTA* $1,000 > 0,05$ (mendukung H_0).

Kedua rasio Profitabilitas di atas tidak berpengaruh signifikan terhadap prediksi probabilitas kebangkrutan, karena semakin kecil proporsi hutang maka semakin kecil biaya perlindungan pajak yang diperoleh. Menimbulkan resiko rendah terhadap kebangkrutan.

5. Pada pengujian keterikatan masing-masing, hanya variabel *LNTETA* yang berpengaruh berpengaruh secara signifikan terhadap probabilitas kebangkrutan bank atau variabel dependennya (variabel *dummy* terprediksi bangkrut dan tidak terprediksi bangkrut) karena nilai sig $0,034 < 0,05$; (tidak mendukung H_0). Pada pengujian Chi-Kuadrat, nilai signifikansi variabel *LNTETA* $0,000 < 0,05$ (tidak mendukung H_0).

Rasio Kapitalisasi berpengaruh signifikan terhadap probabilitas kebangkrutan bank, karena kemampuan permodalan pada suatu bank dalam

menutup kerugian yang tak terduga tidak berjalan baik. Perusahaan tidak dapat menyaring kerugian tak terduga dengan baik menyebabkan resiko kebangkrutan semakin besar sehingga biaya kerugian semakin besar.

B. Saran

Adapun saran yang dapat penulis ajukan yaitu terdapat banyak faktor yang dapat mempengaruhi probabilitas kebangkrutan suatu bank. Gabungan dari beberapa faktor tersebut dapat dijadikan acuan dan alat pendekteksi yang mendekati kebenaran, apakah suatu bank terprediksi kebangkrutan atau masih di dapat dikatakan sehat. Perusahaan dapat mempertimbangkan keputusan jangka panjang ataupun jangka pendek dengan prediksi probabilitas kebangkrutannya.

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LAMPIRAN

Lampiran 1

Tabel Perhitungan Variabel Bebas Dalam Pencarian Nilai Z

Tahun	Keterangan	x1	x2	x3	x4
2003	BCIC	11,38892	-8,44644	-0,30898	7,637845
	BBNI	4,123917	0,288868	0,73795	8,246241
	BBIA	10,56368	2,035181	2,227271	13,30481
	BBCA	6,986984	5,419181	2,772125	10,46592
	BABP	14,33478	0,970516	1,25478	280,5676
	BDMN	13,49154	5,200043	2,98497	14,87657
	BBRI	12,56293	0,795504	3,91943	0,281084
	BBNP	3,94087	2,078771	1,613998	6,855903
	BEKS	-0,43842	2,537488	2,978829	8,329845
	BMRI	13,25292	1,517458	2,818974	8,904779
	BKSW	1,052715	-1,54377	0,38368	7,898848
	BVIC	9,652551	1,135824	0,586768	8,215205
	BSWD	13,11577	4,275317	2,338519	17,79943
	BNLI	6,45638	-25,2467	1,868459	6,281735
	BNII	-39,5172	0,391156	0,777298	10,76431
	BNGA	12,83413	2,459437	1,879965	9,07488
	INCP	94,93706	-176,841	0,936325	20,22843
	LPBN	1,432222	-31,1998	-1,37139	5,903804
	MAYA	-11,1872	-3,00849	0,961909	12,86374
2004	MEGA	6,766155	2,409351	2,747264	7,833123
	NISP	17,35932	2,16202	1,464193	7,455097
	PNBN	5,350012	5,090272	2,895758	23,94065
	BCIC	-2,28452	-16,4074	-8,82899	2,881951
	BBNI	16,10982	3,793313	5,354462	13,1624
	BBIA	9,255843	2,916184	2,523823	13,16036
	BBCA	7,039553	4,832174	3,035978	10,29662
	BABP	14,14231	1,408688	1,274551	7,594902
	BDMN	22,59998	6,017542	5,743267	15,33489
	BBRI	-11,2631	3,793313	5,354462	13,1624
	BBNP	7,846294	2,369727	1,729648	6,673357
	BEKS	-2,41367	3,146214	1,189324	13,00531
	BMRI	13,61577	3,037859	3,03237	11,17058
	BKSW	-1,11628	-1,11081	0,337108	6,526847
	BVIC	11,33353	2,388321	1,442815	10,17539
	BSWD	3,055142	4,076103	1,953944	14,28481

2005	BNLI	6,005862	-12,7666	2,21428
	BNII	11,55858	1,928865	2,277291
	BNGA	13,72034	2,932906	2,448439
	INCP	10,13889	-4,4272	1,002526
	LPBN	-27,7232	-27,1291	3,249804
	MAYA	-11,8982	0,601919	1,961029
	MEGA	6,962258	2,559398	2,414614
	NISP	18,46684	3,413245	2,21001
	PNBN	-20,4178	5,885808	5,246184
	BCIC	4,43028	-10,1324	0,177074
	BBNI	13,70385	3,738336	4,567645
	BBIA	15,67382	2,590264	3,07632
	BBCA	8,398898	5,875518	3,411634
	BABP	6,309227	-0,02029	-1,51054
	BDMN	26,04739	6,022308	4,421964
	BBRI	13,70385	3,738336	4,567645
	BBNP	6,686385	2,485492	1,427774
	BEKS	-8,83729	0,500647	-4,39542
2006	BMRI	10,97079	2,27691	0,468092
	BKSW	-1,03934	-0,94345	0,306508
	BVIC	6,209171	1,159689	1,305442
	BSWD	8,928402	4,412312	1,857153
	BNLI	2,810684	-11,0935	1,165366
	BNII	17,76468	2,404604	1,82433
	BNGA	12,00519	2,749166	1,794929
	INCP	7,617897	-3,4317	0,288996
	LPBN	-25,4125	-25,0552	1,794021
	MAYA	-3,07471	0,876914	0,755208
	MEGA	7,835718	0,560143	1,050167
	NISP	13,63191	3,114557	1,446372
	PNBN	-15,4777	3,501817	2,051469
	BCIC	0,761191	-6,82748	0,347504
	BBNI	13,14638	4,488819	3,817549
	BBIA	22,24132	3,981686	3,483685
	BBCA	7,46158	6,050962	3,431361
	BABP	7,370205	0,251325	0,232478
	BDMN	24,57057	5,661619	2,562656
	BBRI	13,14638	4,488819	3,817549
	BBNP	9,250885	2,869082	1,298593
	BEKS	-15,7795	-2,58084	-1,4216
	BMRI	11,9946	3,036692	1,058323
	BKSW	-0,01257	-0,53987	0,299348

2007	BVIC	8,40923	2,879536	1,331023	11,88788
	BSWD	11,30281	4,569473	1,20828	13,56632
	BNLI	10,84535	-7,53203	1,202706	11,05521
	BNII	21,52942	2,680572	1,40014	10,98372
	BNGA	11,25697	3,728212	2,001955	11,46545
	INPC	5,06222	-3,24812	0,39899	5,251844
	LPBN	-31,1744	-19,9899	1,737786	11,17031
	MAYA	-1,5776	1,642095	1,429755	10,65533
	MEGA	12,08105	0,939609	0,716704	6,661135
	NISP	12,03691	4,226499	1,375189	11,28649
	PNBN	11,80402	4,941406	2,585818	19,80377
	BCIC	8,011995	-7,17688	0,351291	8,694492
	BBNI	11,13884	1,671172	0,807858	10,36735
	BBIA	23,4954	5,017593	3,309869	24,19772
	BBCA	7,401431	5,829736	0,516215	10,34693
	BABP	8,788797	0,451808	3,705998	9,238284
	BDMN	24,77721	6,228763	3,818724	13,84654
	BBRI	11,51739	4,407684	1,212849	10,54689
	BBNP	8,172907	3,263809	0,127212	9,00472
	BEKS	-8,78071	-0,25691	1,984854	9,419139
	BMRI	8,934376	3,264454	0,330374	10,08977
	BKSW	4,312625	-0,26447	1,099401	6,448111
	BVIC	10,2076	2,599312	1,058547	8,28698
	BSWD	10,44323	4,420857	1,874624	11,95047
	BNLI	79,97496	-6,94956	1,874624	11,04279
	BNII	25,76285	3,115241	0,683682	10,76619
	BNGA	13,62288	3,736179	1,870989	10,47408
	INCP	5,44558	-3,30032	0,277051	5,931499
	LPBN	-692,066	-15,9695	2,713196	11,07086
	MAYA	0,915224	1,421485	1,317265	26,65134
	MEGA	9,454073	3,271826	2,13712	9,193827
	NISP	13,02908	4,151778	1,21472	13,15847
	PNBN	28,63352	5,065203	2,749073	16,61134

2005	BNGA	8,684977	1,325674	1,256049	1,221874	12,48857 1
	INCP	6,417916	-2,00109	0,514296	0,904862	5,835981 1
	LPBN	-17,5488	-12,2624	1,66715	1,329253	-26,8148 0
	MAYA	-7,53156	0,272067	1,006008	1,974568	-4,27892 0
	MEGA	4,407109	1,156848	1,238697	0,990295	7,792949 1
	NISP	11,68951	1,542787	1,133735	1,249968	15,616 1
	PNBN	-12,9245	2,660385	2,691292	3,487662	-4,08511 0
	BCIC	2,804367	-4,57984	0,090839	0,417296	-1,26734 0
	BBNI	8,674535	1,689728	2,343202	1,79386	14,50133 1
	BBIA	9,921526	1,170799	1,578152	2,305518	14,976 1
	BBCA	5,316502	2,655734	1,750168	1,734156	11,45656 1
	BABP	3,993741	-0,00917	-0,77491	0,729524	3,939187 1
	BDMN	16,488	2,722083	2,268467	2,138395	23,61695 1
	BBRI	8,674535	1,689728	2,343202	1,79386	14,50133 1
	BBNP	4,232482	1,123442	0,732448	0,898969	6,987341 1
	BEKS	-5,594	0,226292	-2,25485	1,392454	-6,23011 0
	BMRI	6,944508	1,029163	0,240131	1,420909	9,634712 1
	BKSW	-0,6579	-0,42644	0,157239	1,263081	0,33598 0
	BVIC	3,930405	0,52418	0,669692	1,184969	6,309246 1
	BSWD	5,651678	1,994365	0,95272	2,021898	10,62066 1
2006	BNLI	1,779163	-5,01427	0,597833	1,175776	-1,4615 0
	BNII	11,24504	1,086881	0,935881	1,519092	14,7869 1
	BNGA	7,599286	1,242623	0,920799	1,550157	11,31286 1
	INCP	4,822129	-1,55113	0,148255	0,762817	4,182074 1
	LPBN	-16,0861	-11,325	0,920333	1,448434	-25,0423 0
	MAYA	-1,94629	0,396365	0,387422	1,642861	0,480359 0
	MEGA	4,96001	0,253184	0,538736	0,787418	6,539348 1
	NISP	8,629	1,40778	0,741989	1,62306	12,40183 1
	PNBN	-9,7974	1,582821	1,052404	2,007749	-5,15442 0
	BCIC	0,481834	-3,08602	0,178269	0,834676	-1,59124 0
	BBNI	8,321656	2,028946	1,958403	1,79996	14,10896 1
	BBIA	14,07876	1,799722	1,78713	3,535853	21,20146 1
	BBCA	4,72318	2,735035	1,760288	1,67322	10,89172 1
	BABP	4,66534	0,113599	0,119261	1,557991	6,456191 1
	BDMN	15,55317	2,559052	1,314643	1,917452	21,34432 1
	BBRI	8,321656	2,028946	1,958403	1,79996	14,10896 1
	BBNP	5,85581	1,296825	0,666178	1,339081	9,157894 1
	BEKS	-9,98844	-1,16654	-0,72928	1,387068	-10,4972 0
	BMRI	7,592581	1,372585	0,54292	1,422673	10,93076 1
	BKSW	-0,00796	-0,24402	0,153565	0,962164	0,863751 0
	BVIC	5,323043	1,30155	0,682815	1,747519	9,054927 1
	BSWD	7,154681	2,065402	0,619847	1,994248	11,83418 1

2007	BNLI	6,865104	-3,40448	0,616988	1,625115	5,702731
	BNII	13,62812	1,211618	0,718272	1,614607	17,17262
	BNGA	7,125659	1,685152	1,027003	1,685421	11,52323
	INPC	3,204386	-1,46815	0,204682	0,772021	2,71294
	LPBN	-19,7334	-9,03544	0,891484	1,642036	-26,2353
	MAYA	-0,99862	0,742227	0,733464	1,566334	2,043405
	MEGA	7,647307	0,424703	0,367669	0,979187	9,418866
	NISP	7,619363	1,910377	0,705472	1,659115	11,89433
	PNBN	7,471945	2,233515	1,326525	2,911155	13,94314
	BCIC	5,071593	-3,24395	0,180212	1,27809	3,285948
	BBNI	7,050888	0,75537	0,414431	1,524	9,744688
	BBIA	14,87259	2,267952	1,697963	3,557066	22,39557
	BBCA	4,685106	2,635041	0,264818	1,520998	9,105963
	BABP	5,563309	0,204217	1,901177	1,358028	9,02673
	BDMN	15,68398	2,815401	1,959005	2,035442	22,49382
	BBRI	7,290507	1,992273	0,622191	1,550393	11,45536
	BBNP	5,17345	1,475242	0,06526	1,323694	8,037646
	BEKS	-5,55819	-0,11613	1,01823	1,384613	-3,27147
	BMRI	5,65546	1,475533	0,169482	1,483196	8,783671
	BKSW	2,729892	-0,11954	0,563993	0,947872	4,122215
	BVIC	6,461408	1,174889	0,543034	1,218186	9,397518
	BSWD	6,610562	1,998227	0,961682	1,75672	11,32719
	BNLI	50,62415	-3,1412	0,961682	1,62329	50,06792
	BNII	16,30788	1,408089	0,350729	1,58263	19,64933
	BNGA	8,623285	1,688753	0,959817	1,53969	12,81155
	INCP	3,447052	-1,49175	0,142127	0,87193	2,569364
	LPBN	-438,077	-7,21822	1,39187	1,627416	-442,276
	MAYA	0,579337	0,642511	0,675757	3,917747	5,815351
	MEGA	5,984428	1,478865	1,096343	1,351493	9,911129
	NISP	8,247409	1,876604	0,623151	1,934295	12,68146
	PNBN	18,12502	2,289472	1,410274	2,441868	24,26663

Lampiran 3

Tabel *LNNIITA, LNNIATTA, LNTETA* yang akan diregresikan dengan *Dummy*

Tahun	Keterangan	<i>LN NIITA</i>	<i>LN NIATTA</i>	<i>LN TETA</i>	V dummy
2003	BCIC	-1,395028072	-1,6877827	1,95	1
	BBNI	1,339920784	-0,461839	2,08	1
	BBIA	1,55109196	0,43671265	2,48	1
	BBCA	2,317360543	0,74719003	2,20	1
	BABP	1,576504306	-0,2120064	1,95	1
	BDMN	1,577357385	1,06588212	2,56	1
	BBRI	2,136810163	1,00168353	2,20	1
	BBNP	1,049215059	0,11694026	1,61	1
	BEKS	2,121293004	0,82372096	2,08	0
	BMRI	1,16626166	0,60899218	2,08	1
	BKSW	1,302143592	-1,4304603	1,95	0
	BVIC	0,638363279	-0,8320513	2,08	1
	BSWD	1,563982922	0,46351756	2,71	1
	BNLI	1,382606439	0,66487328	1,79	0
	BNII	1,076363428	-0,1170092	2,30	0
	BNGA	1,457315589	0,67673578	2,08	1
	INCP	1,514919358	-0,0657921	2,83	1
	LPBN	0,984014433	0,66756411	1,79	0
	MAYA	1,548223538	-1,7138687	2,40	0
	MEGA	1,482991419	0,65086077	1,95	1
	NISP	1,067571579	0,14182406	1,95	1
	PNBN	1,773949013	0,86800638	2,94	1
2004	BCIC	-0,849261585	2,2541742	1,10	0
	BBNI	2,314626206	1,22208749	2,48	1
	BBIA	1,664856435	0,5504386	2,48	1
	BBCA	1,48494552	0,76187686	2,20	1
	BABP	1,781137314	-0,1836277	1,95	1
	BDMN	2,05330021	1,4095039	2,56	1
	BBRI	2,353011837	1,22208749	2,48	0
	BBNP	1,271415002	0,18844769	1,79	1
	BEKS	2,476240698	-0,2062385	2,48	0
	BMRI	1,345981855	0,75042669	2,30	1
	BKSW	1,317953571	-1,7641938	1,79	0
	BVIC	1,522173487	0,15958681	2,20	1
	BSWD	1,476454882	0,31325445	2,48	1
	BNLI	1,605952826	0,68579127	1,95	0
	BNII	1,517943775	0,82298648	2,48	1

2005	BNGA	1,494733921	0,7626387	2,08	1
	INCP	1,558135027	-0,0745187	1,79	1
2006	LPBN	1,211707423	1,16524169	2,08	0
	MAYA	1,580416548	0,26382627	2,48	0
	MEGA	1,549599437	0,51577414	1,79	1
	NISP	1,279040413	0,49595098	2,08	1
	PNBN	1,6954083	1,35547048	2,94	0
	BCIC	-0,849261585	-1,7843093	1,10	0
	BBNI	2,314626206	1,13207031	2,40	1
	BBIA	1,758633191	0,77070613	2,64	1
	BBCA	1,628376717	0,87362008	2,40	1
	BABP	1,396811341	0,10820609	1,61	1
	BDMN	1,932906102	1,08330195	2,56	1
	BBRI	2,314626206	1,13207031	2,40	1
	BBNP	1,192855	-0,0028798	1,79	1
	BEKS	1,709969117	1,14015788	2,20	0
	BMRI	1,223776567	-1,4717427	2,20	1
	BKSW	1,075938966	-1,654931	2,08	0
	BVIC	1,151435343	-0,0476142	1,95	1
	BSWD	1,38259938	0,238427	2,48	1
	BNLI	1,593112179	-0,1334739	1,95	0
	BNII	1,540105924	0,3663199	2,20	1
	BNGA	1,423530002	0,27410334	2,30	1
	INCP	1,345345722	-1,5714952	1,61	1
	LPBN	1,434194402	0,34743667	2,20	0
	MAYA	1,32309628	-0,6217764	2,30	0
	MEGA	1,077682996	-0,3364726	1,61	1
	NISP	1,276755718	0,01928055	2,30	1
	PNBN	1,149139189	0,423291	2,48	0
	BCIC	0,704879452	-1,4078813	1,61	0
	BBNI	2,185992508	1,01221674	2,40	1
	BBIA	1,940717341	0,88701034	2,94	1
	BBCA	1,67967204	0,87538379	2,30	1
	BABP	1,513636951	-1,9215094	2,30	1
	BDMN	1,940655702	0,4792279	2,48	1
	BBRI	2,185992508	1,01221674	2,40	1
	BBNP	1,153696518	-0,0984313	2,08	1
	BEKS	1,082605275	0,01727219	2,20	0
	BMRI	1,352512476	-0,0992251	2,30	1
	BKSW	0,83739236	-1,6126725	1,79	0
	BVIC	0,569570026	0,03647256	2,40	1
	BSWD	1,33723474	-0,1617794	2,48	1

	BNLI	1,686479276	-0,1726297	2,30	1
	BNII	1,599397297	0,1768087	2,30	1
	BNGA	1,558739489	0,3304864	2,30	1
	INCP	1,195572148	-1,2778103	1,61	1
	LPBN	1,596850335	0,41834879	2,30	0
	MAYA	1,440275018	0,03156134	2,30	0
	MEGA	0,878379893	-0,7138063	1,79	1
	NISP	1,31888342	-0,0209774	2,30	1
	PNBN	1,372264067	0,58917508	2,77	1
2007	BCIC	0,953892026	-0,9353119	2,08	1
	BBNI	1,391391286	-0,7096056	2,20	1
	BBIA	1,83468275	0,83367082	2,94	1
	BBCA	3,820016213	3,06209549	2,20	1
	BABP	1,739556273	-1,1228521	2,08	1
	BDMN	2,178683353	0,86189943	2,48	1
	BBRI	2,103024199	0,86485198	2,30	1
	BBNP	1,10771433	-0,1693572	2,08	1
	BEKS	1,745664378	-2,9407561	2,20	0
	BMRI	1,388055456	0,30930971	2,20	1
	BKSW	1,296293722	-1,2499484	1,79	1
	BVIC	0,498642673	-0,0622005	2,08	1
	BSWD	1,16209436	-0,3192316	2,40	1
	BNLI	1,790041185	0,25836871	2,30	1
	BNII	1,521862439	-0,3093269	2,30	1
	BNGA	1,494691253	0,33917932	2,20	1
	INCP	1,195701345	-2,0137866	1,79	0
	LPBN	1,564617358	0,63863885	2,30	0
	MAYA	1,599064911	-0,0937556	3,04	1
	MEGA	1,382375582	0,39991722	2,08	1
	NISP	1,403028661	-0,1470169	2,48	1
	PNBN	1,492001082	0,579895	2,64	1

Lampiran 4

Perhitungan Analisis Diskriminan

Analysis Case Processing Summary

Unweighted Cases		N	Percent
<i>Valid</i>		110	100,0
<i>Excluded</i>	<i>Missing or out of range group codes</i>	0	0,0
	<i>At least one missing discriminating variable</i>	0	0,0
	<i>Both missing or out of range group codes and at least one missing discriminating variable</i>	0	0,0
	Total	0	0,0
Total		110	100,00

Group Statistics

V7		<i>Valid N (listwise)</i>	
		<i>Unweighted</i>	<i>Weighted</i>
0	X1	10	10,000
	X2	10	10,000
	X3	10	10,000
	X4	10	10,000
1	X1	100	100,000
	X2	100	100,000
	X3	100	100,000
	X4	100	100,000
Total	X1	110	110,000
	X2	110	110,000
	X3	110	110,000
	X4	110	110,000

Lampiran 5

Test of Equality of Group Means

	Wilks' Lambda	F	df 1	df 2	Sig.
X1	0,872	15,808	1	108	0,000
X2	0,931	8,058	1	108	0,005
X3	0,912	10,368	1	108	0,002
X4	0,941	6,826	1	108	0,010

Analysis 1

Box's Test of Equality of Covariance Matrices

Log Determinants

VD	Rank	Log Determinant
0	3	17,453
1	3	11,638
Pooled within-groups	3	15,156

Test Result

Box's M		327,6144
F	Approx.	47,739
	df1	6
	df2	1357,335
	Sig.	0,000

Lampiran 6

Stepwise Statistics

Variables Entered/ Removed^{a,b c, d}

Step	Entered	Min. D Squared				Sig.
		Between Groups	Statistic	df1	Exact F	
1	X1	1,739	0 dan 1	15,808	1	108,000
2	X3	3,339	0 dan 1	15,037	2	107,000
3	X2	4,337	0 dan 1	12,900	3	106,000

Variable in the Analysis

Step	Tolarence	Sig.of F to Remove	Min. D Squared	Between Groups
1	X1	1,000	0,000	
2	X1	0,980	0,000	1,140
	X3	0,980	0,001	1,739
3	X1	0,969	0,000	1,841
	X3	0,973	0,002	2,961
	X2	0,979	0,010	3,339

Variable Not in the Analysis

Step	Tolarence	Min. Tolarence	Sig.of F to Remove	Min. D Squared	Between Groups
0	X1	1,000	1,000	0,000	1,739
	X2	1,000	1,000	0,005	0,886
	X3	1,000	1,000	0,002	1,140
	X4	1,000	1,000	0,010	0,751
1	X2	0,986	0,986	0,002	2,961
	X3	0,980	0,980	0,001	3,339
	X4	0,997	0,997	0,010	2,618
2	X2	0,979	0,969	0,010	4,337
	X4	0,815	0,802	0,858	3,533
3	X4	0,789	0,782	0,112	4,734

Lampiran 7

Wilks' Lambda

Step	Number of Variables	Lambda	Exact F						
			df1	df2	df3	Statistic	df1	df2	Sig.
1	1	0,872	1	1	108	15,808	1	108,000	0,000
2	2	0,781	2	1	108	15,037	2	107,000	0,000
3	3	0,733	3	1	108	12,900	3	106,000	0,000

Summary of Canonical Discriminant Functions

Eigenvalues

Function	Eigenvalue	% of Variance	Cumulative %	Canonical Correlation
1	0,365 ^a	100,00	100,00	0,517

Wilks' Lambda

Test of Function (s)	Wilks' Lambda	Chi-Square	df	Sig.
1	0,733	33,145	3	0,000

Standardized Canonical Discriminant Function Coefficients

	Function
	1
X1	0,771
X2	0,485
X3	0,571

Lampiran 8

Struktur Matriks

	<i>Function</i>
	1
X1	0,633
X3	0,513
X2	0,452
X4 ^a	0,147

Function at Group Centroids

VD	<i>Function</i>
	1
0	-1,893
1	0,189

Classification Statistics

Classification Processing Summary

<i>Processed</i>		110
<i>Excluded</i>	<i>Missing or out of range group codes</i>	0
	<i>At least one missing discriminating variable</i>	0
<i>Used in Output</i>		110

Prior Probabilities for Groups

VD	<i>Prior</i>	<i>Cases Used in Analysis</i>	
		<i>Unweighted</i>	<i>Weighted</i>
0	0,500	10	10,000
1	0,500	100	100,000
Total	1,000	110	110,000

Lampiran 9

Classification Results^{b, c}

		<i>Predicted Group Membership</i>			Total
		0	1		
<i>Original</i>	<i>Count</i>	0	5	5	10
		1	4	96	100
<i>Cross-validated</i>	<i>%</i>	0	50,0	50,0	100,0
		1	4,0	96,0	100,0
<i>Cross-validated</i>	<i>Count</i>	0	3	7	10
		1	4	96	100
<i>Cross-validated</i>	<i>%</i>	0	30,0	70,0	100,0
		1	4,0	96,0	100,0

Lampiran 10

Logistic Regression

Case Processing Summary

<i>Unweighted cases^a</i>		<i>N</i>	<i>Percent</i>
Selected Cases	<i>Included in Analysis</i>	110	100,0
	<i>Missing Cases</i>	0	0,0
	Total	110	100,0
Unselected cases		0	0,0
	Total	110	100,0

Dependent Variable Encoding

<i>Original Value</i>	<i>Internal Value</i>
0	0
1	1

Block 0: Beginning Block

Classification Table^{a, b}

	<i>V dummy</i>	<i>Predicted</i>		<i>Percentage Correct</i>
		<i>0</i>	<i>1</i>	
Step 0	<i>V dummy</i>	0	29	0,0
		1	81	100,0
<i>Overall Percentage</i>				73,6

Variables in the Equation

	<i>B</i>	<i>S.E.</i>	<i>Wald</i>	<i>df</i>	<i>Sig.</i>	<i>Exp(B)</i>
<i>Step 0 constant</i>	1,027	0,216	22,530	1	0,000	2,793

Lampiran 11

Blok 1: Method = Forward Stepwise (Wald)

Omnibus Test Of Model Coefficients

		<i>Chi-square</i>	<i>df</i>	<i>Sig.</i>
Step 1	Step	4,758	1	0,029
	Blok	4,758	1	0,029
	model	4,758	1	0,029

Model Summary Perhitungan Logistic Regression

<i>Step</i>	<i>-2 Log Likelihood</i>	<i>Cox & Snell R Square</i>	<i>Nagelkerke R Square</i>
1	122,144 ^a	0,042	0,062

Hosmer and Lemeshow Test

<i>Step</i>	<i>Chi-Square</i>	<i>df</i>	<i>Sig.</i>
1	3,094	7	0,876

Contingency Table for Hosmer and Lemeshow Test

		<i>V dummy = 0</i>		<i>V dummy = 1</i>		<i>Total</i>
		<i>Observed</i>	<i>Expected</i>	<i>Observed</i>	<i>Expected</i>	
Step 1	1	3	3,830	5	4,170	8
	2	5	4,127	6	6,873	11
	3	3	2,942	6	6,058	9
	4	3	4,320	12	10,680	15
	5	4	3,328	9	9,672	13
	6	5	4,386	14	14,614	19
	7	1	1,657	7	6,343	8
	8	4	2,635	10	11,365	14
	9	1	1,775	12	11,225	13

Lampiran 12

Classification Perhitungan Logistic Regression

	<i>observed</i>	<i>Predicted</i>		<i>Percentage Correct</i>
		<i>V dummy</i> 2	<i>V dummy</i> 1	
Step 1	<i>V dummy</i>	0	2	27
		1	0	81
<i>Overall percentage</i>				75,5

Variables in the Equation

	B	S.E.	Wald	df	Sig.	Exp(B)
Step 1	LNTETA	1,373	0,649	4,41	1	0,034
	Constant	-1,949	1,405	1,926	1	0,165

Variables not in the Equation

			Score	df	Sig.
Step 1	<i>Variables</i>	<i>LNNIITA</i>	0,236	1	0,627
		<i>LNNIATTA</i>	1,547	1	0,214
<i>Overall Statistic</i>			1,560	2	0,458

Lampiran 13

Pengujian Multikolinearitas

Partial Corr

Hasil Perhitungan Multikolinearitas

<i>Control variabel</i>			<i>LNNIITA</i>	<i>LNNIATTA</i>	<i>LNTETA</i>
<i>V Dummy</i>	<i>LN NIITA</i>	<i>Correlation</i>	1,000	0,432	0,493
		<i>Sig. (2-tailed)</i>	.	0,000	0,000
		<i>df</i>	0	107	107
<i>LN NIATTA</i>	<i>Correlation</i>		0,432	1,000	0,323
		<i>Sig. (2-tailed)</i>	0,000	.	0,001
		<i>df</i>	107	0	107
<i>LN TETA</i>	<i>Correlation</i>		0,493	0,323	1,000
		<i>Sig. (2-tailed)</i>	0,000	0,001	.
		<i>df</i>	107	107	0

Lampiran 14

Chi-Square Test

NPar Test

Chi-Kuadrat (*Chi-Square Test*)

	<i>LN NIITA</i>	<i>LN NIATTA</i>	<i>LN TETA</i>
<i>Chi-Square</i>	37,283	32,101	123,371
df	102	102	16
<i>Asymp. Sig.</i>	1,000	1,000	0,000