Lampiran 3

Analisis Probit

a. Menentukan LC50 *(Lethal concentration* 50 %)

```
PROBIT mati40 OF total WITH konsentrasi
  /LOG 10
  /MODEL PROBIT
  /PRINT FREQ CI
  /CRITERIA P(0.15) ITERATE(20) STEPLIMIT(.1).
```

Confidence Limits

		95% Confidence Limits for konsentrasi			95% Confidence Limits for log(konsentrasi)[a]		
	Probability	Estimate	Lower Bound	Upper Bound	Estimate	Lower Bound	Upper Bound
PROBIT	,010	,622	,247	,744	-,207	-,608	-,128
	,020	,696	,361	,805	-,157	-,442	-,094
	,030	,749	,457	,851	-,126	-,340	-,070
	,040	,790	,542	,893	-,102	-,266	-,049
	,050	,826	,617	,938	-,083	-,210	-,028
	,060	,858	,682	,987	-,067	-,166	-,006
	,070	,886	,736	1,044	-,052	-,133	,019
	,080	,913	,781	1,110	-,040	-,108	,045
	,090	,938	,816	1,183	-,028	-,088	,073
	,100	,961	,845	1,263	-,017	-,073	,101
	,150	1,065	,938	1,719	,027	-,028	,235
	,200	1,155	,999	2,240	,063	,000	,350
	,250	1,238	1,049	2,827	,093	,021	,451
	,300	1,318	1,093	3,492	,120	,039	,543
	,350	1,397	1,135	4,253	,145	,055	,629
	,400	1,476	1,175	5,130	,169	,070	,710
	,450	1,557	1,214	6,154	,192	,084	,789
	,500	1,641	1,254	7,363	,215	,098	,867
	,550	1,729	1,295	8,812	,238	,112	,945
	,600	1,824	1,338	10,578	,261	,126	1,024
	,650	1,927	1,383	12,779	,285	,141	1,107
	,700	2,042	1,432	15,599	,310	,156	1,193
	,750	2,174	1,487	19,345	,337	,172	1,287
	,800	2,331	1,550	24,589	,368	,190	1,391
	,850	2,528	1,627	32,525	,403	,211	1,512

,900	2,801	1,728	46,253	,447	,238	1,665
,910	2,871	1,754	50,360	,458	,244	1,702
,920	2,949	1,782	55,237	,470	,251	1,742
,930	3,037	1,813	61,146	,482	,258	1,786
,940	3,139	1,849	68,498	,497	,267	1,836
,950	3,259	1,891	77,967	,513	,277	1,892
,960	3,406	1,941	90,780	,532	,288	1,958
,970	3,596	2,004	109,456	,556	,302	2,039
,980	3,865	2,091	140,364	,587	,320	2,147
,990	4,331	2,236	207,747	,637	,349	2,318

a. Logarithm base = 10.

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PROBIT mati60 OF total WITH konsentrasi
  /LOG 10
 /MODEL PROBIT
  /PRINT FREQ CI
  /CRITERIA P(0.15) ITERATE(20) STEPLIMIT(.1).
```

Confidence Limits

		95% Confidence Limits for konsentrasi			95% Confidence Limits for log(konsentrasi)[b]		
	Probability	Estimate	Lower Bound	Upper Bound	Estimate	Lower Bound	Upper Bound
PROBIT[a]	,010	,445	,223	,561	-,352	-,653	-,251
	,020	,491	,272	,601	-,309	-,565	-,221
	,030	,523	,309	,628	-,282	-,510	-,202
	,040	,548	,340	,650	-,261	-,468	-,187
	,050	,570	,367	,668	-,244	-,435	-,175
	,060	,589	,392	,685	-,230	-,406	-,165
	,070	,606	,415	,699	-,218	-,382	-,155
	,080	,622	,437	,713	-,207	-,360	-,147
	,090	,636	,457	,726	-,196	-,340	-,139
	,100	,650	,477	,738	-,187	-,322	-,132
	,150	,711	,564	,796	-,148	-,249	-,099
	,200	,763	,639	,852	-,118	-,195	-,069
	,250	,811	,703	,914	-,091	-,153	-,039
	,300	,856	,758	,983	-,067	-,120	-,007
	,350	,900	,805	1,063	-,046	-,094	,027
	,400	,945	,846	1,153	-,025	-,073	,062

,450	,990	,883	1,254	-,005	-,054	,098
,500	1,036	,918	1,366	,015	-,037	,135
,550	1,084	,953	1,491	,035	-,021	,174
,600	1,136	,987	1,633	,055	-,005	,213
,650	1,192	1,024	1,796	,076	,010	,254
,700	1,253	1,062	1,986	,098	,026	,298
,750	1,324	1,104	2,217	,122	,043	,346
,800	1,407	1,153	2,507	,148	,062	,399
,850	1,510	1,211	2,895	,179	,083	,462
,900	1,651	1,287	3,472	,218	,110	,541
,910	1,687	1,306	3,628	,227	,116	,560
,920	1,726	1,327	3,806	,237	,123	,580
,930	1,771	1,351	4,011	,248	,131	,603
,940	1,823	1,377	4,254	,261	,139	,629
,950	1,884	1,408	4,550	,275	,149	,658
,960	1,958	1,445	4,923	,292	,160	,692
,970	2,052	1,492	5,425	,312	,174	,734
,980	2,186	1,556	6,173	,340	,192	,790
,990	2,413	1,663	7,568	,383	,221	,879

a. A heterogeneity factor is used.

b. Logarithm base = 10.

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PROBIT mati120 OF total WITH konsentrasi
  /LOG 10
  /MODEL PROBIT
  /PRINT FREQ CI
  /CRITERIA P(0.15) ITERATE(20) STEPLIMIT(.1).
```

Confidence Limits

		95% Confidence Limits for konsentrasi			95% Confidence Limits for log(konsentrasi)[a]		
	Probability	Estimate	Lower Bound	Upper Bound	Estimate	Lower Bound	Upper Bound
PROBIT	,010	,233	,160	,295	-,632	-,797	-,530
	,020	,271	,194	,333	-,568	-,712	-,478
	,030	,297	,219	,359	-,527	-,659	-,445
	,040	,319	,241	,381	-,496	-,618	-,419
	,050	,338	,260	,399	-,471	-,586	-,399
	,060	,355	,277	,416	-,450	-,558	-,381

,070	,370	,292	,431	-,431	-,534	-,366
,080	,385	,307	,445	-,415	-,512	-,352
,090	,398	,322	,458	-,400	-,493	-,339
,100	,411	,335	,470	-,386	-,475	-,327
,150	,470	,397	,527	-,328	-,401	-,278
,200	,522	,454	,578	-,282	-,343	-,238
,250	,572	,507	,628	-,243	-,295	-,202
,300	,621	,558	,678	-,207	-,253	-,168
,350	,669	,608	,732	-,174	-,216	-,136
,400	,719	,657	,789	-,143	-,183	-,103
,450	,770	,705	,852	-,113	-,152	-,070
,500	,825	,754	,922	-,084	-,123	-,035
,550	,883	,803	1,000	-,054	-,095	,000
,600	,946	,856	1,089	-,024	-,068	,037
,650	1,017	,911	1,190	,007	-,040	,076
,700	1,096	,973	1,310	,040	-,012	,117
,750	1,190	1,043	1,454	,075	,018	,163
,800	1,303	1,125	1,635	,115	,051	,213
,850	1,448	1,229	1,876	,161	,089	,273
,900	1,654	1,371	2,232	,218	,137	,349
,910	1,708	1,407	2,328	,232	,148	,367
,920	1,769	1,448	2,438	,248	,161	,387
,930	1,838	1,494	2,564	,264	,174	,409
,940	1,918	1,548	2,712	,283	,190	,433
,950	2,014	1,610	2,893	,304	,207	,461
,960	2,133	1,688	3,120	,329	,227	,494
,970	2,290	1,787	3,425	,360	,252	,535
,980	2,515	1,929	3,877	,401	,285	,589
,990	2,916	2,174	4,715	,465	,337	,673

a. Logarithm base = 10.

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PROBIT mati240 OF total WITH konsentrasi
  /LOG 10
  /MODEL PROBIT
  /PRINT FREQ CI
  /CRITERIA P(0.15) ITERATE(20) STEPLIMIT(.1).
```

Confidence Limits

		95% Confidence Limits for konsentrasi			95% Confidence Limits for log(konsentrasi)[a]		
	Probability	Estimate	Lower Bound	Upper Bound	Estimate	Lower Bound	Upper Bound
PROBIT	,010	,120	,070	,167	-,921	-1,152	-,777
	,020	,147	,092	,197	-,833	-1,038	-,705
	,030	,167	,108	,219	-,778	-,965	-,660
	,040	,184	,123	,237	-,736	-,911	-,626
	,050	,199	,136	,253	-,702	-,866	-,598
	,060	,212	,148	,267	-,673	-,829	-,574
	,070	,225	,160	,280	-,648	-,796	-,553
	,080	,237	,171	,292	-,625	-,766	-,534
	,090	,249	,182	,304	-,604	-,740	-,517
	,100	,260	,193	,316	-,585	-,715	-,501
	,150	,312	,243	,368	-,506	-,614	-,435
	,200	,360	,292	,416	-,444	-,535	-,381
	,250	,407	,340	,464	-,390	-,468	-,334
	,300	,455	,390	,513	-,342	-,409	-,290
	,350	,505	,440	,565	-,297	-,356	-,248
	,400	,556	,492	,622	-,255	-,308	-,206
	,450	,611	,545	,686	-,214	-,263	-,164
	,500	,671	,600	,759	-,173	-,222	-,120
	,550	,736	,658	,844	-,133	-,182	-,074
	,600	,809	,719	,943	-,092	-,143	-,025
	,650	,893	,786	1,062	-,049	-,104	,026
	,700	,989	,861	1,206	-,005	-,065	,081
	,750	1,106	,948	1,387	,044	-,023	,142
	,800	1,251	1,053	1,624	,097	,022	,211
	,850	1,445	1,189	1,954	,160	,075	,291
	,900	1,733	1,382	2,471	,239	,140	,393
	,910	1,810	1,433	2,615	,258	,156	,418
	,920	1,898	1,490	2,782	,278	,173	,444
	,930	2,000	1,556	2,978	,301	,192	,474

	,940	2,121	1,632	3,214	,327	,213	,507
	,950	2,267	1,724	3,505	,355	,237	,545
	,960	2,452	1,838	3,883	,389	,264	,589
	,970	2,700	1,989	4,403	,431	,299	,644
	,980	3,068	2,208	5,205	,487	,344	,716
	,990	3,754	2,602	6,779	,575	,415	,831

a. Logarithm base = 10.

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PROBIT Mati480 OF total WITH konsentrasi
  /LOG 10
  /MODEL PROBIT
  /PRINT FREQ CI
  /CRITERIA P(0.15) ITERATE(20) STEPLIMIT(.1).
```

Confidence Limits

		95% Confidence Limits for konsentrasi			95% Confidence Limits for log(konsentrasi)[a]		
	Probability	Estimate	Lower Bound	Upper Bound	Estimate	Lower Bound	Upper Bound
PROBIT	,010	,090	,049	,131	-1,047	-1,310	-,884
	,020	,111	,065	,156	-,954	-1,188	-,808
	,030	,127	,078	,174	-,895	-1,111	-,760
	,040	,141	,089	,189	-,851	-1,053	-,724
	,050	,153	,099	,202	-,814	-1,006	-,694
	,060	,165	,108	,214	-,784	-,965	-,669
	,070	,175	,117	,226	-,757	-,930	-,646
	,080	,185	,126	,236	-,732	-,899	-,626
	,090	,195	,135	,246	-,710	-,870	-,608
	,100	,204	,143	,256	-,690	-,844	-,592
	,150	,247	,184	,301	-,606	-,736	-,522
	,200	,288	,223	,342	-,540	-,651	-,466
	,250	,329	,264	,383	-,483	-,579	-,417
	,300	,370	,306	,425	-,431	-,515	-,372
	,350	,413	,349	,469	-,384	-,457	-,329
	,400	,458	,395	,517	-,339	-,403	-,287
	,450	,507	,444	,569	-,295	-,353	-,245
	,500	,559	,495	,630	-,252	-,305	-,201
	,550	,618	,549	,700	-,209	-,260	-,155
	,600	,683	,607	,784	-,166	-,217	-,106
	,650	,758	,671	,885	-,121	-,174	-,053

,700	,845	,741	1,010	-,073	-,130	,004
,750	,951	,823	1,169	-,022	-,085	,068
,800	1,085	,922	1,379	,035	-,035	,140
,850	1,265	1,051	1,677	,102	,021	,225
,900	1,534	1,234	2,149	,186	,091	,332
,910	1,607	1,283	2,283	,206	,108	,358
,920	1,690	1,338	2,437	,228	,126	,387
,930	1,787	1,401	2,620	,252	,146	,418
,940	1,902	1,475	2,840	,279	,169	,453
,950	2,042	1,563	3,114	,310	,194	,493
,960	2,219	1,674	3,470	,346	,224	,540
,970	2,458	1,821	3,966	,391	,260	,598
,980	2,816	2,035	4,737	,450	,309	,675
,990	3,490	2,424	6,270	,543	,385	,797

a. Logarithm base = 10.

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PROBIT mati1440 OF total WITH konsentrasi
  /LOG 10
  /MODEL PROBIT
  /PRINT FREQ CI
  /CRITERIA P(0.15) ITERATE(20) STEPLIMIT(.1).
```

Confidence Limits

		95% Confidence Limits for konsentrasi			95% Confidence Limits for log(konsentrasi)[a]		
	Probability	Estimate	Lower Bound	Upper Bound	Estimate	Lower Bound	Upper Bound
PROBIT	,010	,092	,056	,128	-1,034	-1,252	-,892
	,020	,112	,071	,150	-,952	-1,148	-,823
	,030	,126	,083	,166	-,899	-1,081	-,779
	,040	,138	,093	,179	-,860	-1,031	-,746
	,050	,149	,102	,191	-,828	-,991	-,719
	,060	,158	,111	,201	-,800	-,957	-,697
	,070	,167	,118	,211	-,776	-,926	-,677
	,080	,176	,126	,220	-,755	-,899	-,659
	,090	,184	,133	,228	-,736	-,875	-,642
	,100	,192	,140	,236	-,718	-,852	-,627
	,150	,227	,174	,273	-,643	-,759	-,564
	,200	,260	,206	,306	-,584	-,686	-,514
	,250	,293	,238	,339	-,534	-,624	-,470

,300	,325	,270	,372	-,488	-,568	-,430
,350	,358	,304	,405	-,446	-,517	-,392
,400	,393	,339	,441	-,406	-,470	-,356
,450	,429	,376	,479	-,367	-,425	-,320
,500	,469	,415	,522	-,329	-,382	-,283
,550	,512	,457	,570	-,291	-,340	-,244
,600	,559	,502	,625	-,252	-,299	-,204
,650	,613	,551	,691	-,212	-,259	-,161
,700	,676	,606	,771	-,170	-,218	-,113
,750	,750	,668	,870	-,125	-,175	-,060
,800	,843	,743	1,000	-,074	-,129	,000
,850	,966	,838	1,180	-,015	-,077	,072
,900	1,146	,971	1,456	,059	-,013	,163
,910	1,195	1,006	1,533	,077	,003	,186
,920	1,250	1,046	1,621	,097	,019	,210
,930	1,313	1,091	1,724	,118	,038	,237
,940	1,387	1,143	1,847	,142	,058	,267
,950	1,477	1,205	1,998	,169	,081	,301
,960	1,591	1,283	2,193	,202	,108	,341
,970	1,742	1,384	2,458	,241	,141	,391
,980	1,965	1,532	2,862	,293	,185	,457
,990	2,377	1,795	3,639	,376	,254	,561

a. Logarithm base = 10.

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PROBIT mati2880 OF total WITH konsentrasi
  /LOG 10
  /MODEL PROBIT
  /PRINT FREQ CI
  /CRITERIA P(0.15) ITERATE(20) STEPLIMIT(.1).
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Confidence Limits

		95% Confidence Limits for konsentrasi			95% Confidence Limits for log(konsentrasi)[a]		
	Probability	Estimate	Lower Bound	Upper Bound	Estimate	Lower Bound	Upper Bound
PROBIT	,010	,020	,004	,045	-1,709	-2,415	-1,351
	,020	,027	,006	,056	-1,574	-2,214	-1,249
	,030	,033	,008	,065	-1,488	-2,086	-1,184
	,040	,038	,010	,073	-1,424	-1,991	-1,136
	,050	,043	,012	,080	-1,371	-1,912	-1,096

,060	,047	,014	,087	-1,327	-1,846	-1,062
,070	,052	,016	,093	-1,288	-1,788	-1,032
,080	,056	,018	,099	-1,253	-1,736	-1,006
,090	,060	,020	,104	-1,221	-1,688	-,982
,100	,064	,023	,110	-1,191	-1,645	-,959
,150	,085	,034	,136	-1,070	-1,465	-,867
,200	,106	,048	,161	-,974	-1,322	-,793
,250	,129	,063	,187	-,891	-1,200	-,729
,300	,152	,081	,213	-,817	-1,090	-,672
,350	,179	,102	,241	-,748	-,990	-,618
,400	,208	,127	,272	-,683	-,895	-,566
,450	,240	,157	,305	-,619	-,803	-,515
,500	,277	,193	,343	-,557	-,715	-,464
,550	,320	,236	,388	-,495	-,628	-,411
,600	,370	,287	,442	-,432	-,543	-,355
,650	,430	,348	,511	-,367	-,459	-,292
,700	,504	,419	,605	-,298	-,377	-,218
,750	,598	,503	,741	-,223	-,299	-,130
,800	,723	,602	,949	-,141	-,220	-,023
,850	,903	,730	1,289	-,044	-,136	,110
,900	1,194	,917	1,923	,077	-,037	,284
,910	1,277	,968	2,121	,106	-,014	,326
,920	1,374	1,026	2,360	,138	,011	,373
,930	1,489	1,093	2,654	,173	,039	,424
,940	1,630	1,173	3,029	,212	,069	,481
,950	1,806	1,270	3,522	,257	,104	,547
,960	2,037	1,394	4,207	,309	,144	,624
,970	2,363	1,563	5,237	,373	,194	,719
,980	2,878	1,818	7,012	,459	,260	,846
,990	3,926	2,304	11,122	,594	,362	1,046

a. Logarithm base = 10.

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PROBIT mati4320 OF total WITH konsentrasi
  /LOG 10
  /MODEL PROBIT
  /PRINT FREQ CI
  /CRITERIA P(0.15) ITERATE(20) STEPLIMIT(.1).
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Confidence Limits

		95% Confidence Limits for konsentrasi			95% Confidence Limits for log(konsentrasi)[b]		
	Probability	Estimate	Lower Bound	Upper Bound	Estimate	Lower Bound	Upper Bound
PROBIT[a]	,010	,015	,000	,049	-1,831	-3,546	-1,309
	,020	,019	,001	,059	-1,711	-3,288	-1,230
	,030	,023	,001	,066	-1,635	-3,124	-1,180
	,040	,026	,001	,072	-1,578	-3,001	-1,142
	,050	,029	,001	,077	-1,531	-2,901	-1,112
	,060	,032	,002	,082	-1,492	-2,816	-1,085
	,070	,035	,002	,087	-1,457	-2,741	-1,062
	,080	,037	,002	,091	-1,426	-2,674	-1,042
	,090	,040	,002	,095	-1,398	-2,614	-1,023
	,100	,042	,003	,099	-1,372	-2,558	-1,006
	,150	,054	,005	,116	-1,264	-2,326	-,934
	,200	,066	,007	,133	-1,178	-2,143	-,877
	,250	,079	,010	,149	-1,105	-1,985	-,828
	,300	,091	,014	,165	-1,039	-1,844	-,783
	,350	,105	,019	,181	-,978	-1,714	-,742
	,400	,120	,026	,199	-,920	-1,591	-,702
	,450	,137	,034	,217	-,864	-1,472	-,663
	,500	,155	,044	,237	-,809	-1,355	-,624
	,550	,176	,058	,260	-,753	-1,240	-,585
	,600	,201	,075	,286	-,697	-1,123	-,544
	,650	,229	,099	,317	-,639	-1,004	-,500
	,700	,264	,131	,354	-,578	-,881	-,450
	,750	,308	,176	,405	-,512	-,754	-,392
	,800	,364	,239	,481	-,439	-,622	-,318
	,850	,444	,323	,619	-,353	-,490	-,209
	,900	,568	,433	,929	-,245	-,364	-,032
	,910	,603	,459	1,038	-,219	-,339	,016
	,920	,644	,487	1,174	-,191	-,313	,070

,930	,692	,518	1,349	-,160	-,286	,130
,940	,749	,554	1,580	-,125	-,257	,199
,950	,821	,595	1,899	-,086	-,225	,279
,960	,914	,646	2,365	-,039	-,190	,374
,970	1,042	,712	3,107	,018	-,148	,492
,980	1,241	,807	4,485	,094	-,093	,652
,990	1,636	,978	8,041	,214	-,010	,905

a. A heterogeneity factor is used.

b. Logarithm base = 10.