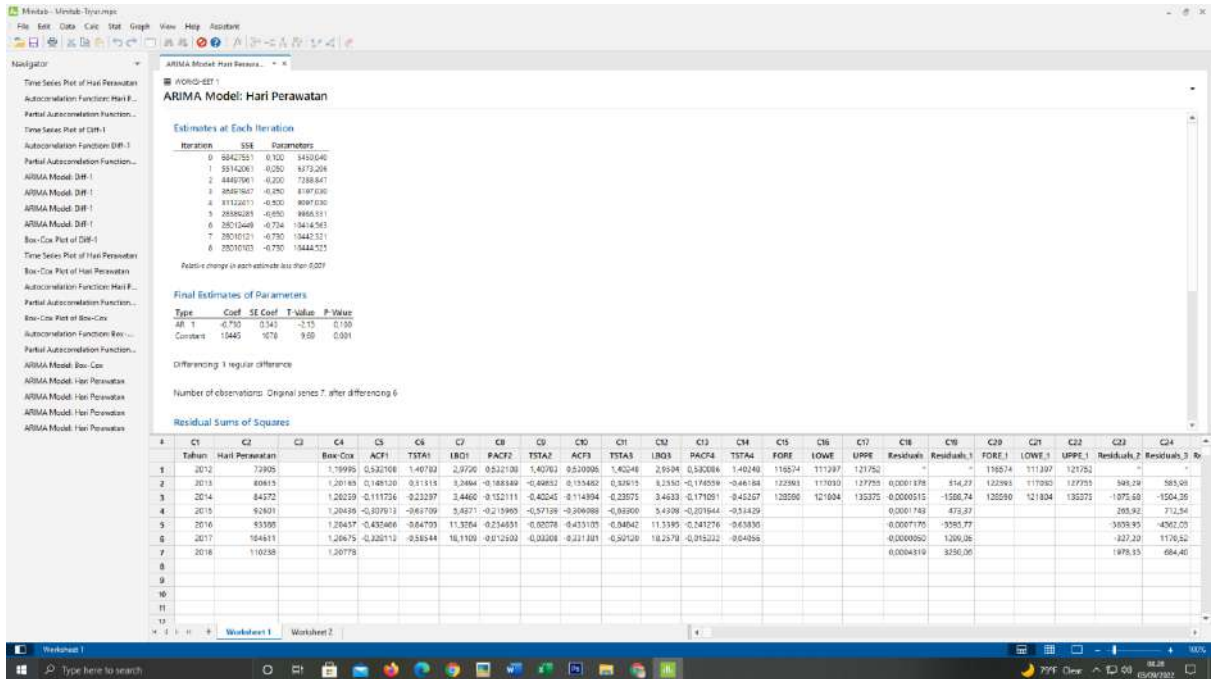


LAMPIRAN

Lampiran 1. Overview Analisis Data dengan Minitab



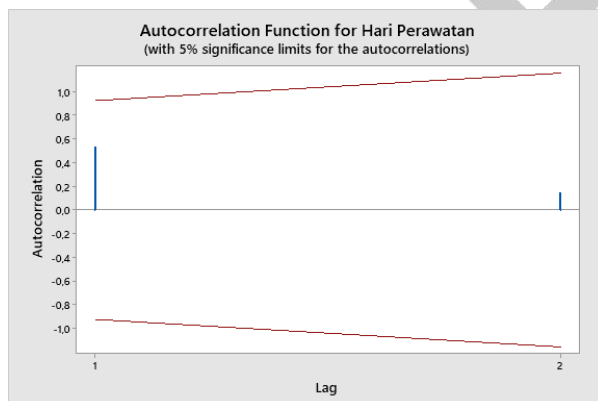
Lampiran 2. Output Minitab

WORKSHEET 2

Autocorrelation Function: Hari Perawatan

Autocorrelations

Lag	ACF	T	LBQ
1	0,532108	1,41	2,97
2	0,148120	0,31	3,25

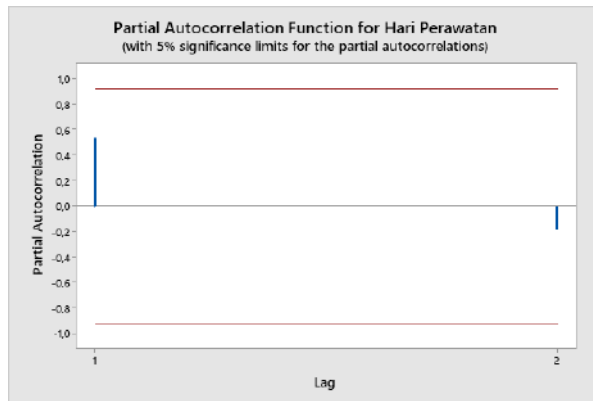


WORKSHEET 2

Partial Autocorrelation Function: Hari Perawatan

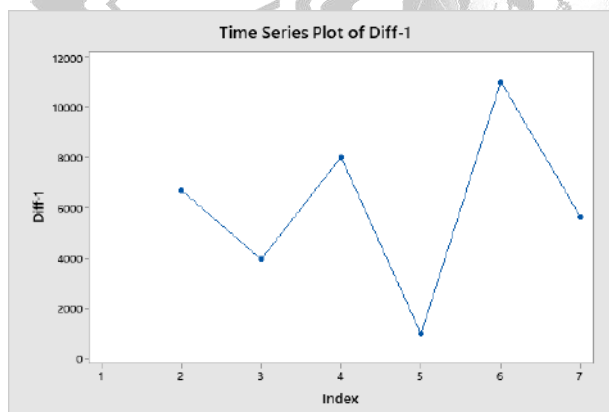
Partial Autocorrelations

Lag	PACF	T
1	0,532108	1,41
2	-0,188349	-0,50



WORKSHEET 2

Time Series Plot of Diff-1

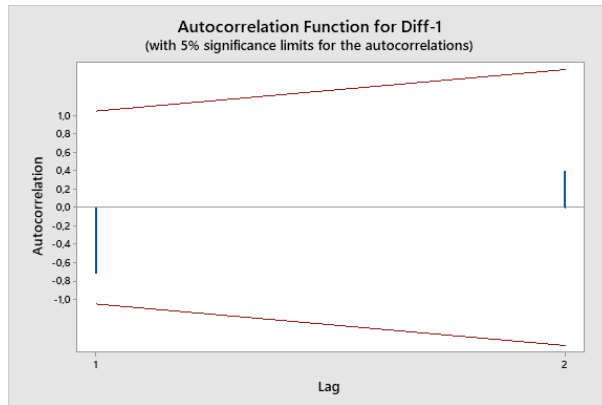


WORKSHEET 2

Autocorrelation Function: Diff-1

Autocorrelations

Lag	ACF	T	LBQ
1	-0,722447	-1,77	5,01
2	0,403250	0,69	6,96

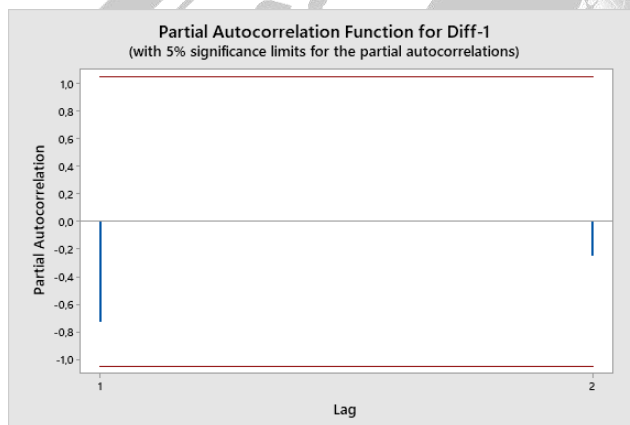


WORKSHEET 2

Partial Autocorrelation Function: Diff-1

Partial Autocorrelations

Lag	PACF	T
1	-0,722447	-1,77
2	-0,248248	-0,61



WORKSHEET 2

ARIMA Model: Diff-1

Estimates at Each Iteration

Iteration	SSE	Parameters		
0	203353491	0,100	0,100	-194,850
1	131099643	-0,040	0,250	57,186
2	124748408	0,055	0,400	50,399
3	115231118	0,125	0,550	46,583
4	80400556	-0,025	0,671	122,609
5	62589303	-0,175	0,682	204,958
6	48348706	-0,325	0,692	316,640
7	37373599	-0,475	0,702	458,928
8	29502551	-0,625	0,715	634,921
9	24626571	-0,775	0,736	852,583
10	22977753	-0,872	0,766	1036,585
11	22693289	-0,903	0,780	1125,890

12	22618659	-0,918	0,790	1165,405
13	22595469	-0,926	0,791	1194,552
14	22588003	-0,931	0,798	1200,019
15	22586488	-0,934	0,793	1219,507
16	22582928	-0,936	0,798	1213,846
17	22582510	-0,937	0,797	1222,005
18	22581924	-0,938	0,799	1220,325
19	22581850	-0,939	0,798	1223,860
20	22581777	-0,939	0,799	1223,588

Relative change in each estimate less than 0,001

* WARNING * Back forecasts not dying out rapidly

Back Forecasts (After Differencing)

Lag (-98; -91)	638,662	622,770	639,691	621,675	640,856	620,434	642,177
Lag (-90; -83)	643,675	617,433	645,373	615,625	647,298	613,576	649,479
Lag (-82; -75)	651,953	608,620	654,756	605,635	657,934	602,251	661,537
Lag (-74; -67)	665,621	594,068	670,250	589,139	675,498	583,551	681,447
Lag (-66; -59)	688,191	570,038	695,835	561,899	704,501	552,672	714,324
Lag (-58; -51)	725,459	530,358	738,082	516,918	752,391	501,683	768,612
Lag (-50; -43)	786,999	464,836	807,843	442,644	831,471	417,487	858,256
Lag (-42; -35)	888,618	356,642	923,037	319,997	962,053	278,456	1006,281
Lag (-34; -27)	1056,418	177,986	1113,252	117,475	1177,678	48,881	1250,710
Lag (-26; -19)	1333,499	-117,022	1427,347	-216,941	1533,731	-330,209	1654,327
Lag (-18; -11)	1791,032	-604,157	1945,999	-769,150	2121,667	-956,184	2320,802
Lag (-10; -3)	2546,539	-1408,545	2802,430	-1680,992	3092,504	-1989,834	3421,328
Lag (-2; 0)	3794,078	-2736,799	4216,622				
Lag (-98; -91)	619,028						
Lag (-90; -83)	611,253						
Lag (-82; -75)	598,416						
Lag (-74; -67)	577,217						
Lag (-66; -59)	542,214						
Lag (-58; -51)	484,413						
Lag (-50; -43)	388,969						
Lag (-42; -35)	231,366						
Lag (-34; -27)	-28,877						
Lag (-26; -19)	-458,607						
Lag (-18; -11)	-1168,203						
Lag (-10; -3)	-2339,933						
Lag (-2; 0)							

Back Forecast Residuals

Lag (-98; -91)	0,907	-0,241	0,836	-0,427	0,824	-0,582	0,856	-0,723
Lag (-90; -83)	0,920	-0,859	1,011	-1,000	1,126	-1,150	1,263	-1,314
Lag (-82; -75)	1,424	-1,496	1,608	-1,700	1,820	-1,930	2,061	-2,189
Lag (-74; -67)	2,335	-2,483	2,646	-2,815	2,999	-3,191	3,399	-3,618
Lag (-66; -59)	3,853	-4,101	4,367	-4,649	4,951	-5,271	5,612	-5,975
Lag (-58; -51)	6,361	-6,773	7,211	-7,678	8,174	-8,703	9,266	-9,866
Lag (-50; -43)	10,504	-11,184	11,907	-12,678	13,498	-14,371	15,301	-16,291
Lag (-42; -35)	17,345	-18,467	19,662	-20,934	22,289	-23,731	25,266	-26,901
Lag (-34; -27)	28,641	-30,495	32,468	-34,568	36,805	-39,186	41,721	-44,421
Lag (-26; -19)	47,295	-50,354	53,612	-57,081	60,774	-64,706	68,893	-73,350

Lag (-18; -11)	78,096	-83,148	88,528	-94,256	100,354	-106,847	113,760	-121,120
Lag (-10; -3)	128,956	-137,300	146,183	-155,641	165,711	-176,432	187,847	-200,001
Lag (-2; 0)	212,941	-226,718	241,386					

Final Estimates of Parameters

Type	Coef	SE Coef	T-Value	P-Value
AR 1	-0,939	0,406	-2,31	0,147
MA 1	0,799	0,737	1,08	0,392
Constant	1224	357	3,42	0,076

Differencing: 1 regular difference

Number of observations: Original series 7, after differencing 5

Residual Sums of Squares

DF	SS	MS
2	22087328	11043664

Back forecasts excluded

Modified Box-Pierce (Ljung-Box) Chi-Square Statistic

Lag	12	24	36	48
Chi-Square	*	*	*	*
DF	*	*	*	*
P-Value	*	*	*	*

WORKSHEET 2

ARIMA Model: Diff-1

Estimates at Each Iteration

Iteration	SSE	Parameters
0	237700456	0,100 -194,850
1	187442899	-0,050 -89,108
2	144356581	-0,200 53,505
3	108330532	-0,350 230,496
4	79279616	-0,500 441,332
5	57137610	-0,650 687,740
6	41854748	-0,800 975,499
7	33404114	-0,950 1322,116
8	32255888	-0,991 1457,937
9	32110925	-0,998 1490,852
10	32104309	-0,999 1493,977
11	32103032	-0,999 1494,660

Relative change in each estimate less than 0,001

* WARNING * Back forecasts not dying out rapidly

Back Forecasts (After Differencing)

Lag (-98; -91)	3952,251	-2459,786	3957,977	-2465,517	3963,713	-2471,258	3969,460
Lag (-90; -83)	3975,217	-2482,772	3980,984	-2488,544	3986,761	-2494,327	3992,549
Lag (-82; -75)	3998,347	-2505,923	4004,155	-2511,737	4009,974	-2517,561	4015,803
Lag (-74; -67)	4021,643	-2529,240	4027,493	-2535,095	4033,353	-2540,961	4039,224
Lag (-66; -59)	4045,106	-2552,724	4050,998	-2558,621	4056,900	-2564,529	4062,813
Lag (-58; -51)	4068,737	-2576,376	4074,671	-2582,315	4080,616	-2588,265	4086,571
Lag (-50; -43)	4092,537	-2600,198	4098,514	-2606,180	4104,501	-2612,172	4110,499
Lag (-42; -35)	4116,508	-2624,190	4122,528	-2630,215	4128,558	-2636,251	4134,599
Lag (-34; -27)	4140,651	-2648,354	4146,714	-2654,422	4152,787	-2660,501	4158,872
Lag (-26; -19)	4164,967	-2672,692	4171,073	-2678,804	4177,190	-2684,926	4183,318
Lag (-18; -11)	4189,457	-2697,204	4195,607	-2703,359	4201,768	-2709,526	4207,940
Lag (-10; -3)	4214,123	-2721,892	4220,317	-2728,091	4226,522	-2734,302	4232,738
Lag (-2; 0)	4238,965	-2746,756	4245,203				
Lag (-98; -91)	-2477,010						
Lag (-90; -83)	-2500,120						
Lag (-82; -75)	-2523,395						
Lag (-74; -67)	-2546,837						
Lag (-66; -59)	-2570,447						
Lag (-58; -51)	-2594,226						
Lag (-50; -43)	-2618,176						
Lag (-42; -35)	-2642,297						
Lag (-34; -27)	-2666,591						
Lag (-26; -19)	-2691,059						
Lag (-18; -11)	-2715,703						
Lag (-10; -3)	-2740,523						
Lag (-2; 0)							

Back Forecast Residuals

Lag (-98; -91)	5,716	-5,721	5,726	-5,731	5,736	-5,741	5,747	-5,752
Lag (-90; -83)	5,757	-5,762	5,767	-5,772	5,777	-5,783	5,788	-5,793
Lag (-82; -75)	5,798	-5,803	5,808	-5,814	5,819	-5,824	5,829	-5,834
Lag (-74; -67)	5,840	-5,845	5,850	-5,855	5,860	-5,866	5,871	-5,876
Lag (-66; -59)	5,881	-5,887	5,892	-5,897	5,902	-5,908	5,913	-5,918
Lag (-58; -51)	5,924	-5,929	5,934	-5,939	5,945	-5,950	5,955	-5,961
Lag (-50; -43)	5,966	-5,971	5,977	-5,982	5,987	-5,993	5,998	-6,003
Lag (-42; -35)	6,009	-6,014	6,020	-6,025	6,030	-6,036	6,041	-6,046
Lag (-34; -27)	6,052	-6,057	6,063	-6,068	6,074	-6,079	6,084	-6,090
Lag (-26; -19)	6,095	-6,101	6,106	-6,112	6,117	-6,123	6,128	-6,133
Lag (-18; -11)	6,139	-6,144	6,150	-6,155	6,161	-6,166	6,172	-6,177
Lag (-10; -3)	6,183	-6,188	6,194	-6,200	6,205	-6,211	6,216	-6,222
Lag (-2; 0)	6,227	-6,233	6,238					

Final Estimates of Parameters

Type	Coef	SE Coef	T-Value	P-Value
AR 1	-0,999	0,245	-4,07	0,027
Constant	1495	1482	1,01	0,387

Differencing: 1 regular difference

Number of observations: Original series 7, after differencing 5

Residual Sums of Squares

DF	SS	MS
3	32099498	10699833

Back forecasts excluded

Modified Box-Pierce (Ljung-Box) Chi-Square Statistic

Lag	12	24	36	48
Chi-Square	*	*	*	*
DF	*	*	*	*
P-Value	*	*	*	*

WORKSHEET 2

ARIMA Model: Diff-1

Estimates at Each Iteration

Iteration	SSE	Parameters
0	174062054	0,100 -216,500
1	139989955	0,250 -69,293
2	114618144	0,400 21,820
3	95388169	0,550 70,341
4	81632400	0,700 80,900
5	78451212	0,775 92,152
6	77844572	0,779 256,781
7	77835444	0,791 260,399
8	77808126	0,786 276,173
9	77807952	0,786 276,831
10	77807920	0,786 277,726
11	77807909	0,786 277,785

Relative change in each estimate less than 0,001

Final Estimates of Parameters

Type	Coef	SE Coef	T-Value	P-Value
MA 1	0,786	0,931	0,84	0,460
Constant	278	1041	0,27	0,807

Differencing: 1 regular difference

Number of observations: Original series 7, after differencing 5

Residual Sums of Squares

DF	SS	MS
3	77790374	25930125

Back forecasts excluded

Modified Box-Pierce (Ljung-Box) Chi-Square Statistic

Lag	12	24	36	48
Chi-Square	*	*	*	*
DF	*	*	*	*
P-Value	*	*	*	*

WORKSHEET 2

ARIMA Model: Diff-1

Estimates at Each Iteration

Iteration	SSE	Parameters
0	237700456	0,100 -194,850
1	187442899	-0,050 -89,108
2	144356581	-0,200 53,505
3	108330532	-0,350 230,496
4	79279616	-0,500 441,332
5	57137610	-0,650 687,740
6	41854748	-0,800 975,499
7	33404114	-0,950 1322,116
8	32255888	-0,991 1457,937
9	32110925	-0,998 1490,852
10	32104309	-0,999 1493,977
11	32103032	-0,999 1494,660

Relative change in each estimate less than 0,001

* WARNING * Back forecasts not dying out rapidly

Back Forecasts (After Differencing)

Lag (-98; -91)	3952,251	-2459,786	3957,977	-2465,517	3963,713	-2471,258	3969,460
Lag (-90; -83)	3975,217	-2482,772	3980,984	-2488,544	3986,761	-2494,327	3992,549
Lag (-82; -75)	3998,347	-2505,923	4004,155	-2511,737	4009,974	-2517,561	4015,803
Lag (-74; -67)	4021,643	-2529,240	4027,493	-2535,095	4033,353	-2540,961	4039,224
Lag (-66; -59)	4045,106	-2552,724	4050,998	-2558,621	4056,900	-2564,529	4062,813
Lag (-58; -51)	4068,737	-2576,376	4074,671	-2582,315	4080,616	-2588,265	4086,571
Lag (-50; -43)	4092,537	-2600,198	4098,514	-2606,180	4104,501	-2612,172	4110,499
Lag (-42; -35)	4116,508	-2624,190	4122,528	-2630,215	4128,558	-2636,251	4134,599
Lag (-34; -27)	4140,651	-2648,354	4146,714	-2654,422	4152,787	-2660,501	4158,872
Lag (-26; -19)	4164,967	-2672,692	4171,073	-2678,804	4177,190	-2684,926	4183,318
Lag (-18; -11)	4189,457	-2697,204	4195,607	-2703,359	4201,768	-2709,526	4207,940
Lag (-10; -3)	4214,123	-2721,892	4220,317	-2728,091	4226,522	-2734,302	4232,738
Lag (-2; 0)	4238,965	-2746,756	4245,203				
Lag (-98; -91)	-2477,010						

Lag (-90; -83)	-2500,120
Lag (-82; -75)	-2523,395
Lag (-74; -67)	-2546,837
Lag (-66; -59)	-2570,447
Lag (-58; -51)	-2594,226
Lag (-50; -43)	-2618,176
Lag (-42; -35)	-2642,297
Lag (-34; -27)	-2666,591
Lag (-26; -19)	-2691,059
Lag (-18; -11)	-2715,703
Lag (-10; -3)	-2740,523
Lag (-2; 0)	

Back Forecast Residuals

Lag (-98; -91)	5,716	-5,721	5,726	-5,731	5,736	-5,741	5,747	-5,752
Lag (-90; -83)	5,757	-5,762	5,767	-5,772	5,777	-5,783	5,788	-5,793
Lag (-82; -75)	5,798	-5,803	5,808	-5,814	5,819	-5,824	5,829	-5,834
Lag (-74; -67)	5,840	-5,845	5,850	-5,855	5,860	-5,866	5,871	-5,876
Lag (-66; -59)	5,881	-5,887	5,892	-5,897	5,902	-5,908	5,913	-5,918
Lag (-58; -51)	5,924	-5,929	5,934	-5,939	5,945	-5,950	5,955	-5,961
Lag (-50; -43)	5,966	-5,971	5,977	-5,982	5,987	-5,993	5,998	-6,003
Lag (-42; -35)	6,009	-6,014	6,020	-6,025	6,030	-6,036	6,041	-6,046
Lag (-34; -27)	6,052	-6,057	6,063	-6,068	6,074	-6,079	6,084	-6,090
Lag (-26; -19)	6,095	-6,101	6,106	-6,112	6,117	-6,123	6,128	-6,133
Lag (-18; -11)	6,139	-6,144	6,150	-6,155	6,161	-6,166	6,172	-6,177
Lag (-10; -3)	6,183	-6,188	6,194	-6,200	6,205	-6,211	6,216	-6,222
Lag (-2; 0)	6,227	-6,233	6,238					

Final Estimates of Parameters

Type	Coef	SE Coef	T-Value	P-Value
AR 1	-0,999	0,245	-4,07	0,027
Constant	1495	1482	1,01	0,387

Differencing: 1 regular difference

Number of observations: Original series 7, after differencing 5

Residual Sums of Squares

DF	SS	MS
3	32099498	10699833

Back forecasts excluded

Modified Box-Pierce (Ljung-Box) Chi-Square Statistic

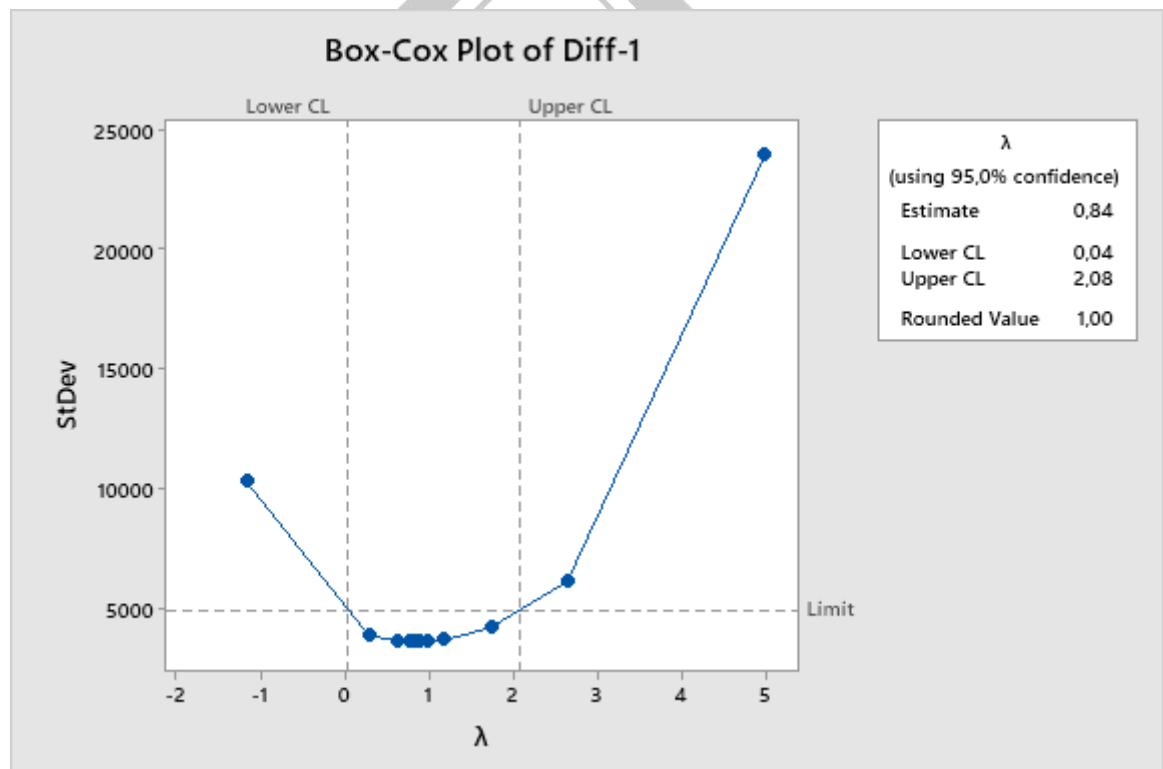
Lag	12	24	36	48
Chi-Square	*	*	*	*
DF	*	*	*	*
P-Value	*	*	*	*

Forecasts from period 6

95% Limits				
Period	Forecast	Lower	Upper	Actual
7	2490,6	-3921,96	8903,2	5627
8	12510,0	6097,48	18922,6	
9	3994,2	-5070,49	13058,9	

WORKSHEET 2

Box-Cox Plot of Diff-1



WORKSHEET 1

ARIMA Model: Hari Perawatan

Estimates at Each Iteration

Iteration	SSE	Parameters	
0	68427551	0,100	5450,040
1	55142061	-0,050	6373,206
2	44497961	-0,200	7288,847
3	36491947	-0,350	8197,030
4	31122411	-0,500	9097,030
5	28389285	-0,650	9986,331
6	28012449	-0,724	10414,563
7	28010121	-0,730	10442,321

8 28010103 -0,730 10444,525

Relative change in each estimate less than 0,001

Final Estimates of Parameters

Type	Coef	SE Coef	T-Value	P-Value
AR 1	-0,730	0,343	-2,13	0,100
Constant	10445	1078	9,69	0,001

Differencing: 1 regular difference

Number of observations: Original series 7, after differencing 6

Residual Sums of Squares

DF	SS	MS
4	27897379	6974345

Back forecasts excluded

Modified Box-Pierce (Ljung-Box) Chi-Square Statistic

Lag	12	24	36	48
Chi-Square	*	*	*	*
DF	*	*	*	*
P-Value	*	*	*	*

Forecasts from period 7

Period	Forecast	95% Limits		Actual
		Lower	Upper	
8	116574	111397	121752	
9	122393	117030	127755	
10	128590	121804	135375	

WORKSHEET 1

ARIMA Model: Hari Perawatan

Estimates at Each Iteration

Iteration	SSE	Parameters		
0	59276136	0,100	0,100	5450,040
1	40514432	-0,050	0,250	6357,185
2	38562251	0,042	0,400	5766,249
3	36073524	0,118	0,550	5269,737
4	33496669	0,187	0,700	4821,621
5	30688983	0,232	0,850	4517,065
6	26668113	0,082	0,831	5397,817
7	23385701	-0,068	0,818	6281,380

8	20944569	-0,218	0,811	7167,120
9	19461495	-0,368	0,811	8057,238
10	19022921	-0,490	0,814	8796,787
11	19014958	-0,495	0,817	8837,540
12	19014167	-0,496	0,818	8842,662
13	19014066	-0,496	0,819	8843,647

Relative change in each estimate less than 0,001

Final Estimates of Parameters

Type	Coef	SE Coef	T-Value	P-Value
AR 1	-0,496	0,577	-0,86	0,454
MA 1	0,819	0,652	1,26	0,298
Constant	8844	238	37,11	0,000

Differencing: 1 regular difference

Number of observations: Original series 7, after differencing 6

Residual Sums of Squares

DF	SS	MS
3	18995968	6331989

Back forecasts excluded

Modified Box-Pierce (Ljung-Box) Chi-Square Statistic

Lag	12	24	36	48
Chi-Square	*	*	*	*
DF	*	*	*	*
P-Value	*	*	*	*

Forecasts from period 7

Period	Forecast	95% Limits		Actual
		Lower	Upper	
8	114674	109741	119607	
9	121319	116148	126490	
10	126869	121438	132301	

WORKSHEET 1

ARIMA Model: Hari Perawatan

Estimates at Each Iteration

Iteration	SSE	Parameters
0	51675721	0,100 6055,600
1	43095845	0,250 6041,625

2	36727089	0,400	5999,810
3	31690737	0,550	5946,583
4	27507326	0,700	5893,869
5	24618453	0,850	5843,884
6	24063734	0,877	5938,883
7	24012739	0,884	5967,991
8	24006550	0,888	5976,802
9	24005870	0,887	5981,376

Relative change in each estimate less than 0,001

Final Estimates of Parameters

Type	Coef	SE Coef	T-Value	P-Value
MA 1	0,887	0,656	1,35	0,248
Constant	5981	349	17,12	0,000

Differencing: 1 regular difference

Number of observations: Original series 7, after differencing 6

Residual Sums of Squares

DF	SS	MS
4	23980016	5995004

Back forecasts excluded

Modified Box-Pierce (Ljung-Box) Chi-Square Statistic

Lag	12	24	36	48
Chi-Square	*	*	*	*
DF	*	*	*	*
P-Value	*	*	*	*

Forecasts from period 7

Period	Forecast	95% Limits		Actual
		Lower	Upper	
8	115612	110812	120412	
9	121593	116763	126424	
10	127575	122714	132435	

WORKSHEET 1

ARIMA Model: Hari Perawatan

Estimates at Each Iteration

Iteration	SSE	Parameters
0	68427551	0,100 5450,040

1	55142061	-0,050	6373,206
2	44497961	-0,200	7288,847
3	36491947	-0,350	8197,030
4	31122411	-0,500	9097,030
5	28389285	-0,650	9986,331
6	28012449	-0,724	10414,563
7	28010121	-0,730	10442,321
8	28010103	-0,730	10444,525

Relative change in each estimate less than 0,001

Final Estimates of Parameters

Type	Coef	SE Coef	T-Value	P-Value
AR 1	-0,730	0,343	-2,13	0,100
Constant	10445	1078	9,69	0,001

Differencing: 1 regular difference

Number of observations: Original series 7, after differencing 6

Residual Sums of Squares

DF	SS	MS
4	27897379	6974345

Back forecasts excluded

Modified Box-Pierce (Ljung-Box) Chi-Square Statistic

Lag	12	24	36	48
Chi-Square	*	*	*	*
DF	*	*	*	*
P-Value	*	*	*	*

Forecasts from period 7

Period	Forecast	95% Limits		Actual
		Lower	Upper	
8	116574	111397	121752	
9	122393	117030	127755	
10	128590	121804	135375	

Lampiran 3. Overview Analisis Data dengan Simulasi Monte Carlo

The screenshot displays an Excel spreadsheet with the following data tables:

PERHITUNGAN DAN PERBANDINGAN BOR

Tahun	Hari Perawatan	Tempat Tidur	BOR Prediksi	BOR Real	Akurasi	MAPE	Akresi
2019	110238	339	89,09	78,81	88,46	11,54	88,4591098
2020	84572	339	68,16	53,28	78,17	21,83	78,1660219
2021	104731	339	84,64	47,92	56,62	45,38	85,0153405
Rata-rata						74,41	74,4136114

AKURASI PERHITUNGAN BOR

Tahun	Data Real	Hasil Simulasi	Akresi
2019	78,81	89,092	88,46
2020	53,28	68,163	78,17
2021	47,92	84,641	56,62
Rata-rata			74,41

AKURASI PERAMALAN HARI PERAWATAN

Tahun	Data Real	Hasil Simulasi	Akresi
2019	104362	110238	94,67
2020	73103	84572	86,44
2021	75479	104731	73,98
Rata-rata			85,70

Lampiran 4. Hasil Simulasi Monte Carlo dengan Software Excel

Tahun	Hari Perawatan	Distribusi Probabilitas	Distribusi Kumulatif	Rand. Number	Interval Angka Acak	Peramalan
2012	73905	0,115431472	0,115431472	98	0 11	110238
2013	80615	0,125911753	0,241343225	27	12 23	84572
2014	84572	0,132092152	0,373435377	79	24 36	104731
2015	92601	0,144632565	0,518067942	20	37 51	
2016	93588	0,146174151	0,664242093	66	52 65	
2017	104731	0,16357829	0,827820383		66 82	
2018	110238	0,172179617	1		83 99	

Lampiran 5. Hasil perhitungan BOR dengan Box Jenkins

PERHITUNGAN DAN PERBANDINGAN BOR

Tahun	Hari Perawatan	Tempat Tidur	BOR Prediksi	BOR Real	MAPE	Akurasi
2019	116574	339	94,21	78,81	16,35	83,65
2020	122393	339	98,65	53,28	45,99	54,01
2021	128590	339	103,92	47,92	53,89	46,11
Rata-rata						61,26

AKURASI PERHITUNGAN BOR

Tahun	BOR (%)		Tingkat Akurasi (%)
	Data Real	Hasil Simulasi	
2019	78,81	94,213	88,90
2020	53,28	98,645	60,57
2021	47,92	103,924	54,59
Rata-rata			68,02

AKURASI PERAMALAN HARI PERAWATAN

Tahun	Hari Perawatan (Hari)		Tingkat Akurasi (%)
	Data Real	Hasil Simulasi	
2019	104362	2490,6	2,39
2020	73103	12510	584,36
2021	79579	3994,2	1992,36
Rata-rata			859,70

UNUGIRI