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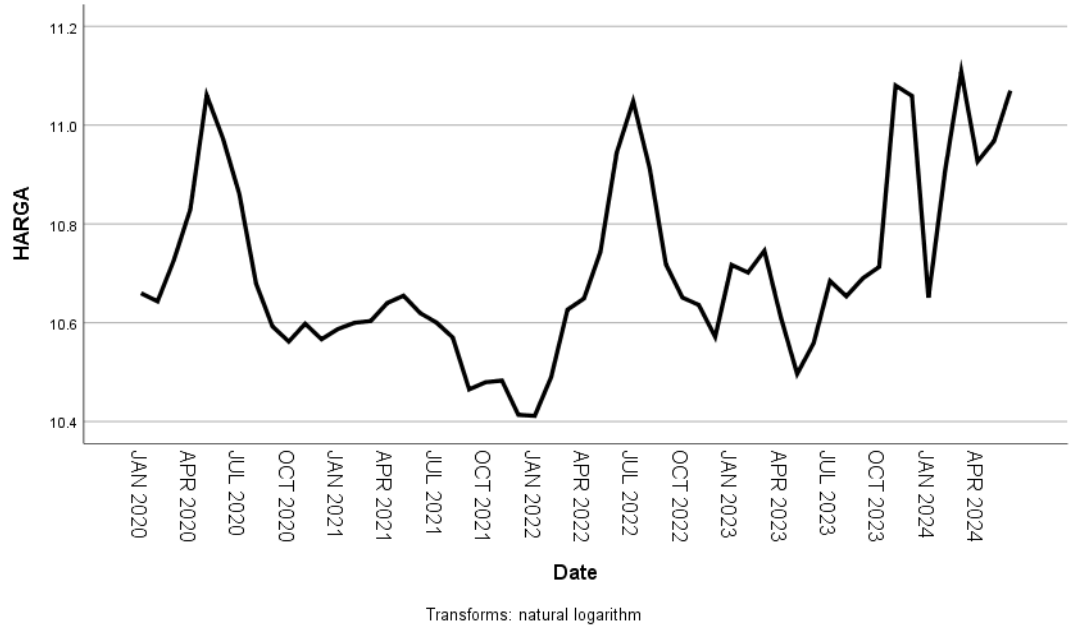
LAMPIRAN

Lampiran 1. Data Harga Bawang Merah di Kota Bengkulu tahun 2020-2024.

BULAN	TAHUN				
	2020	2021	2022	2023	2024
Januari	Rp 42.605	Rp 39.621	Rp 33.240	Rp 45.119	Rp 42.222
Februari	Rp 41.909	Rp 40.131	Rp 35.956	Rp 44.428	Rp 54.378
Maret	Rp 45.566	Rp 40.277	Rp 41.218	Rp 46.430	Rp 66.725
April	Rp 50.485	Rp 41.766	Rp 42.144	Rp 40.578	Rp 55.628
Mei	Rp 63.584	Rp 42.392	Rp 46.309	Rp 36.190	Rp 57.967
Juni	Rp 58.221	Rp 40.940	Rp 56.675	Rp 38.500	Rp 64.207
Juli	Rp 51.997	Rp 40.157	Rp 62.829	Rp 43.674	-
Agustus	Rp 43.485	Rp 38.951	Rp 54.924	Rp 42.338	-
September	Rp 39.848	Rp 35.069	Rp 45.167	Rp 43.918	-
Oktober	Rp 38.636	Rp 35.580	Rp 42.234	Rp 44.944	-
November	Rp 40.053	Rp 35.700	Rp 41.606	Rp 64.869	-
Desember	Rp 38.812	Rp 33.310	Rp 39.001	Rp 63.524	-

Sumber : BPS Kota Bengkulu, 2024

Lampiran 2. Output Software SPSS Grafik Plot data time series Harga Bawang merah.



Lampiran 3. Output Software Eviews uji stasioner harga bawang merah dengan Augmented Dickey-Fuller (ADF).

Null Hypothesis: D(Y) has a unit root
Exogenous: Constant
Lag Length: 1 (Automatic - based on SIC, maxlag=10)

		t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic		-7.515757	0.0000
Test critical values:	1% level	-3.565430	
	5% level	-2.919952	
	10% level	-2.597905	

*MacKinnon (1996) one-sided p-values.

Augmented Dickey-Fuller Test Equation
Dependent Variable: D(Y,2)
Method: Least Squares
Date: 10/30/24 Time: 01:57
Sample (adjusted): 2020M04 2024M06
Included observations: 51 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(Y(-1))	-1.380728	0.183711	-7.515757	0.0000
D(Y(-1),2)	0.424348	0.131654	3.223207	0.0023
C	460.1340	860.9264	0.534464	0.5955

R-squared	0.573278	Mean dependent var	50.64706
Adjusted R-squared	0.555497	S.D. dependent var	9204.488
S.E. of regression	6136.727	Akaike info criterion	20.33899
Sum squared resid	1.81E+09	Schwarz criterion	20.45263
Log likelihood	-515.6443	Hannan-Quinn criter.	20.38242
F-statistic	32.24264	Durbin-Watson stat	1.858297
Prob(F-statistic)	0.000000		

Lampiran 4. Output software Eviews ACF dan PACF data harga bawang merah.

Date: 10/30/24 Time: 02:04
Sample: 2020M01 2024M12
Included observations: 53

Autocorrelation	Partial Correlation		AC	PAC	Q-Stat	Prob
. | . |	. | . |	1	0.031	0.031	0.0527	0.818
***| . |	***| . |	2	-0.416	-0.417	9.9267	0.007
. |*. |	. |*. |	3	0.110	0.170	10.629	0.014
. |*. |	.*| . |	4	0.093	-0.126	11.144	0.025

.*| . |	.*| . |	5	-0.204	-0.106	13.665	0.018
.*| . |	.*| . |	6	-0.116	-0.136	14.500	0.025
. | . |	.*| . |	7	-0.014	-0.164	14.512	0.043
. |*. |	. |*. |	8	0.159	0.156	16.142	0.040
. | . |	.*| . |	9	-0.012	-0.139	16.151	0.064
.*| . |	. | . |	10	-0.099	0.040	16.814	0.079
. | . |	.*| . |	11	-0.013	-0.164	16.826	0.113
. | . |	. | . |	12	0.032	-0.020	16.898	0.153
. | . |	. | . |	13	0.025	0.030	16.943	0.202
. | . |	.*| . |	14	-0.058	-0.113	17.192	0.246
. | . |	. | . |	15	-0.058	0.006	17.452	0.293
. |*. |	. | . |	16	0.151	0.026	19.248	0.256
. |*. |	. |*. |	17	0.109	0.094	20.204	0.264
.*| . |	.*| . |	18	-0.149	-0.092	22.051	0.230
.*| . |	.*| . |	19	-0.105	-0.066	23.004	0.237
. |*. |	. | . |	20	0.091	-0.005	23.739	0.254
. | . |	.*| . |	21	-0.015	-0.094	23.761	0.305
.*| . |	. | . |	22	-0.131	-0.024	25.364	0.280
. | . |	.*| . |	23	-0.036	-0.125	25.487	0.326
. |*. |	. | . |	24	0.103	0.005	26.563	0.325

Lampiran 5. Output software Eviews Estimasi model ARIMA (1,1,0).

Dependent Variable: D(Y)
Method: ARMA Maximum Likelihood (OPG - BHHH)
Date: 10/30/24 Time: 02:33
Sample: 2020M02 2024M06
Included observations: 53
Convergence achieved after 11 iterations
Coefficient covariance computed using outer product of gradients

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	410.3966	915.2847	0.448381	0.6558
AR(1)	0.030585	0.108695	0.281385	0.7796
SIGMASQ	41716643	5506589.	7.575768	0.0000

R-squared	0.000956	Mean dependent var	407.5849
Adjusted R-squared	-0.039006	S.D. dependent var	6523.769
S.E. of regression	6649.785	Akaike info criterion	20.49751
Sum squared resid	2.21E+09	Schwarz criterion	20.60904
Log likelihood	-540.1841	Hannan-Quinn criter.	20.54040
F-statistic	0.023915	Durbin-Watson stat	1.957767
Prob(F-statistic)	0.976380		

Inverted AR Roots	.03

Lampiran 6. Output software Eviews Estimasi model ARIMA (2,1,0).

Dependent Variable: Y
Method: ARMA Maximum Likelihood (OPG - BHHH)
Date: 11/06/24 Time: 20:01
Sample: 2020M01 2024M06
Included observations: 54
Convergence achieved after 79 iterations
Coefficient covariance computed using outer product of gradients

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	46697.00	8353.315	5.590236	0.0000
D	0.255793	0.289798	0.882661	0.3817
AR(1)	0.653680	0.298563	2.189424	0.0334
AR(2)	-0.191588	0.099961	-1.916624	0.0611
SIGMASQ	35499443	7107065.	4.994951	0.0000

R-squared	0.551388	Mean dependent var	45482.17
Adjusted R-squared	0.514766	S.D. dependent var	8979.126
S.E. of regression	6254.745	Akaike info criterion	20.43033
Sum squared resid	1.92E+09	Schwarz criterion	20.61449
Log likelihood	-546.6188	Hannan-Quinn criter.	20.50135
F-statistic	15.05642	Durbin-Watson stat	1.805966
Prob(F-statistic)	0.000000		

Inverted AR Roots	.33+.29i	.33-.29i

Lampiran 7. Output software Eviews Estimasi model ARIMA (0,1,1).

Dependent Variable: Y
Method: ARMA Maximum Likelihood (OPG - BHHH)
Date: 11/06/24 Time: 20:14
Sample: 2020M01 2024M06
Included observations: 54
Convergence achieved after 32 iterations
Coefficient covariance computed using outer product of gradients

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	46978.79	8944.790	5.252084	0.0000
D	0.330808	0.147655	2.240407	0.0295
MA(1)	0.667905	0.112013	5.962768	0.0000
SIGMASQ	32144532	5509101.	5.834805	0.0000

R-squared	0.593784	Mean dependent var	45482.17
Adjusted R-squared	0.569411	S.D. dependent var	8979.126
S.E. of regression	5892.037	Akaike info criterion	20.30452
Sum squared resid	1.74E+09	Schwarz criterion	20.45185
Log likelihood	-544.2220	Hannan-Quinn criter.	20.36134
F-statistic	24.36242	Durbin-Watson stat	1.872664
Prob(F-statistic)	0.000000		

Inverted MA Roots	-.67

lampiran 8. Output software Eviews Estimasi model ARIMA (1,1,1).

Output software Eviews Estimasi model ARIMA (1,1,1).

Dependent Variable: Y
Method: ARMA Maximum Likelihood (OPG - BHHH)
Date: 11/06/24 Time: 20:31
Sample: 2020M01 2024M06
Included observations: 54
Convergence achieved after 36 iterations
Coefficient covariance computed using outer product of gradients

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	46028.65	2796.423	16.45983	0.0000
D	-0.544342	0.230550	-2.361055	0.0222
AR(1)	0.919495	0.139748	6.579674	0.0000
MA(1)	0.640250	0.110950	5.770633	0.0000
SIGMASQ	31201444	6164815.	5.061214	0.0000

R-squared	0.605702	Mean dependent var	45482.17
Adjusted R-squared	0.573514	S.D. dependent var	8979.126
S.E. of regression	5863.895	Akaike info criterion	20.30630
Sum squared resid	1.68E+09	Schwarz criterion	20.49047
Log likelihood	-543.2701	Hannan-Quinn criter.	20.37733
F-statistic	18.81788	Durbin-Watson stat	1.964082
Prob(F-statistic)	0.000000		

Inverted AR Roots	.92
Inverted MA Roots	-.64

lampiran 9. Output software Eviews Estimasi model ARIMA (1,1,2).

Dependent Variable: D(Y)
Method: ARMA Maximum Likelihood (OPG - BHHH)
Date: 11/06/24 Time: 20:42
Sample: 2020M02 2024M06
Included observations: 53
Convergence achieved after 43 iterations
Coefficient covariance computed using outer product of gradients

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	234.9228	443.0556	0.530233	0.5984
AR(1)	0.292457	0.179059	1.633301	0.1089
MA(1)	-0.216426	0.217519	-0.994975	0.3247
MA(2)	-0.522989	0.130245	-4.015425	0.0002
SIGMASQ	33003734	6550818.	5.038109	0.0000

R-squared	0.209615	Mean dependent var	407.5849
Adjusted R-squared	0.143750	S.D. dependent var	6523.769

S.E. of regression	6036.690	Akaike info criterion	20.35247
Sum squared resid	1.75E+09	Schwarz criterion	20.53834
Log likelihood	-534.3404	Hannan-Quinn criter.	20.42395
F-statistic	3.182482	Durbin-Watson stat	1.998332
Prob(F-statistic)	0.021306		

Inverted AR Roots	.29	
Inverted MA Roots	.84	-.62

lampiran 10. Output software Eviews Estimasi model ARIMA (0,1,2).

Dependent Variable: D(Y)
Method: ARMA Maximum Likelihood (OPG - BHHH)
Date: 11/06/24 Time: 20:46
Sample: 2020M02 2024M06
Included observations: 53
Convergence achieved after 29 iterations
Coefficient covariance computed using outer product of gradients

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	286.6403	629.9892	0.454992	0.6511
MA(1)	0.034623	0.165737	0.208904	0.8354
MA(2)	-0.449977	0.109739	-4.100414	0.0002
SIGMASQ	33638355	5404805.	6.223787	0.0000

R-squared	0.194417	Mean dependent var	407.5849
Adjusted R-squared	0.145096	S.D. dependent var	6523.769
S.E. of regression	6031.944	Akaike info criterion	20.32861
Sum squared resid	1.78E+09	Schwarz criterion	20.47731
Log likelihood	-534.7082	Hannan-Quinn criter.	20.38579
F-statistic	3.941845	Durbin-Watson stat	1.902517
Prob(F-statistic)	0.013473		

Inverted MA Roots	.65	-.69

Lampiran 11. Output software Eviews Estimasi model ARIMA (2,1,1).

Dependent Variable: Y
Method: ARMA Maximum Likelihood (OPG - BHHH)
Date: 11/06/24 Time: 21:19
Sample: 2020M01 2024M06
Included observations: 54
Convergence achieved after 27 iterations
Coefficient covariance computed using outer product of gradients

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	46032.96	3644.617	12.63040	0.0000
D	-0.494877	0.792029	-0.624821	0.5350
AR(1)	0.846150	0.847803	0.998050	0.3233
AR(2)	0.057954	0.490685	0.118108	0.9065
MA(1)	0.654813	0.181494	3.607912	0.0007

SIGMASQ	31203358	6281569.	4.967446	0.0000

R-squared	0.605678	Mean dependent var	45482.17
Adjusted R-squared	0.564603	S.D. dependent var	8979.126
S.E. of regression	5924.844	Akaike info criterion	20.34267
Sum squared resid	1.68E+09	Schwarz criterion	20.56367
Log likelihood	-543.2521	Hannan-Quinn criter.	20.42790
F-statistic	14.74558	Durbin-Watson stat	1.951256
Prob(F-statistic)	0.000000		

Inverted AR Roots	.91	-.06
Inverted MA Roots	-.65	

Lampiran 12. Output software Eviews Estimasi model ARIMA (2,1,2).

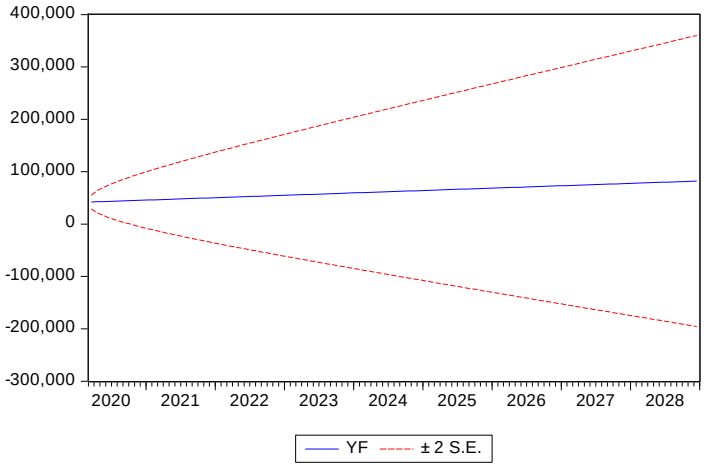
Dependent Variable: D(Y)
Method: ARMA Maximum Likelihood (OPG - BHHH)
Date: 11/06/24 Time: 21:25
Sample: 2020M02 2024M06
Included observations: 53
Convergence achieved after 27 iterations
Coefficient covariance computed using outer product of gradients

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	326.5620	924.5858	0.353198	0.7255
AR(1)	-0.459475	0.546883	-0.840170	0.4051
AR(2)	-0.529195	0.611690	-0.865136	0.3914
MA(1)	0.609903	0.615455	0.990978	0.3268
MA(2)	0.183775	0.706542	0.260105	0.7959
SIGMASQ	32810454	5793144.	5.663670	0.0000

R-squared	0.214244	Mean dependent var	407.5849
Adjusted R-squared	0.130653	S.D. dependent var	6523.769
S.E. of regression	6082.682	Akaike info criterion	20.38065
Sum squared resid	1.74E+09	Schwarz criterion	20.60370
Log likelihood	-534.0872	Hannan-Quinn criter.	20.46642
F-statistic	2.563003	Durbin-Watson stat	2.016092
Prob(F-statistic)	0.039412		

Inverted AR Roots	-.23+.69i	-.23-.69i
Inverted MA Roots	-.30-.30i	-.30+.30i

Lampiran 13. Output Eviews Grafik Hasil Peramalan Model Arima (1,1,1). 51



Forecast: YF	
Actual: Y	
Forecast sample: 2020M01 2028M12	
Adjusted sample: 2020M03 2028M12	
Included observations: 52	
Root Mean Squared Error	10958.28
Mean Absolute Error	9718.931
Mean Abs. Percent Error	22.90318
Theil Inequality Coefficient	0.111092
Bias Proportion	0.323001
Variance Proportion	0.092321
Covariance Proportion	0.584678

Last updated: 11/10/24 - 22:59
Modified: 2020M01 2028M12 // forecast(e, g) yf

2020M01	
2020M02	
2020M03	42063.23012309768
2020M04	42543.25310385036
2020M05	42879.97603386
2020M06	43279.72951859316
2020M07	43651.75900177745
2020M08	44035.98289234485
2020M09	44414.84307049278
2020M10	44796.06247857414
2020M11	45176.24417891811
2020M12	45556.88231520883
2021M01	45937.31968806107
2021M02	46317.84536675013
2021M03	46698.33220409997
2021M04	47078.8361258203
2021M05	47459.332532977
2021M06	47839.83224541595
2021M07	48220.33050402586
2021M08	48600.82940210276
2021M09	48981.32801890998
2021M10	49361.82675943373
2021M11	49742.32544554073
2021M12	50122.82415558295
2022M01	50503.32285509726
2022M02	50883.82155924228
2022M03	51264.32026135048
2022M04	51644.81896435457
2022M05	52025.31766696461
2022M06	52405.81636974797

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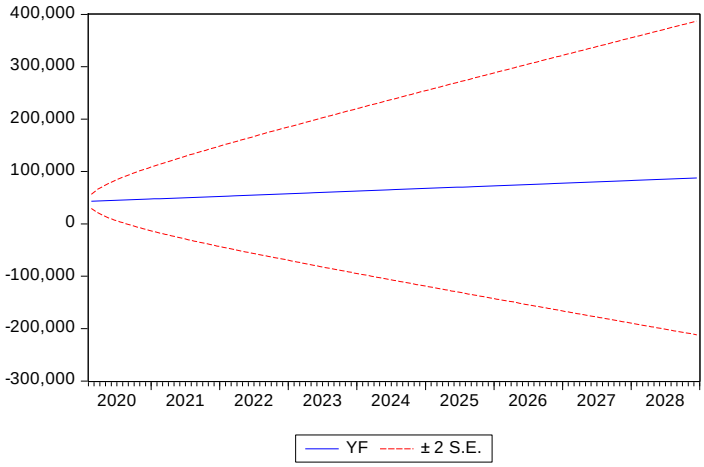
2022M07	52786.3150724551
2022M08	53166.81377519575
2022M09	53547.31247792165
2022M10	53927.81118065405
2022M11	54308.30988338359
2022M12	54688.80858611439
2023M01	55069.30728884463
2023M02	55449.80599157511
2023M03	55830.3046943055
2023M04	56210.80339703592
2023M05	56591.30209976632
2023M06	56971.80080249674
2023M07	57352.29950522715
2023M08	57732.79820795756
2023M09	58113.29691068796
2023M10	58493.79561341838
2023M11	58874.29431614879
2023M12	59254.7930188792
2024M01	59635.2917216096
2024M02	60015.79042434001
2024M03	60396.28912707042
2024M04	60776.78782980082
2024M05	61157.28653253124
2024M06	61537.78523526165
2024M07	61918.28393799205
2024M08	62298.78264072246
2024M09	62679.28134345288
2024M10	63059.78004618328
2024M11	63440.27874891369
2024M12	63820.7774516441
2025M01	64201.27615437451
2025M02	64581.77485710491
2025M03	64962.27355983532
2025M04	65342.77226256574
2025M05	65723.27096529615
2025M06	66103.76966802656
2025M07	66484.26837075699
2025M08	66864.7670734874
2025M09	67245.26577621781
2025M10	67625.76447894822
2025M11	68006.26318167865
2025M12	68386.76188440906
2026M01	68767.26058713948
2026M02	69147.75928986989
2026M03	69528.25799260031
2026M04	69908.75669533072
2026M05	70289.25539806114
2026M06	70669.75410079156
2026M07	71050.25280352198
2026M08	71430.75150625239
2026M09	71811.2502089828
2026M10	72191.74891171322
2026M11	72572.24761444364
2026M12	72952.74631717405
2027M01	73333.24501990448

53

2027M02	73713.74372263489
2027M03	74094.2424253653
2027M04	74474.74112809571
2027M05	74855.23983082614
2027M06	75235.73853355655
2027M07	75616.23723628696
2027M08	75996.73593901738
2027M09	76377.2346417478
2027M10	76757.73334447821
2027M11	77138.23204720862
2027M12	77518.73074993905
2028M01	77899.22945266946
2028M02	78279.72815539988
2028M03	78660.22685813029
2028M04	79040.72556086071
2028M05	79421.22426359112
2028M06	79801.72296632154
2028M07	80182.22166905196
2028M08	80562.72037178238
2028M09	80943.21907451279
2028M10	81323.7177772432
2028M11	81704.21647997362
2028M12	82084.71518270404

Lampiran 14. Output Eviews Grafik Hasil Peramalan Model Arima (0,1,1).



Forecast: YF	
Actual: Y	
Forecast sample: 2020M01 2028M12	
Adjusted sample: 2020M02 2028M12	
Included observations: 53	
Root Mean Squared Error	12455.26
Mean Absolute Error	10869.87
Mean Abs. Percent Error	26.00381
Theil Inequality Coefficient	0.123637
Bias Proportion	0.455998
Variance Proportion	0.041727
Covariance Proportion	0.502275

Last updated: 11/10/24 - 23:12
Modified: 2020M01 2028M12 // forecast(e, g) yf

2020M01	
2020M02	43025.08111508935
2020M03	43445.16223017869
2020M04	43865.24334526803
2020M05	44285.32446035737
2020M06	44705.40557544671
2020M07	45125.48669053606
2020M08	45545.5678056254
2020M09	45965.64892071474
2020M10	46385.73003580408
2020M11	46805.81115089343
2020M12	47225.89226598277
2021M01	47645.97338107211
2021M02	48066.05449616145
2021M03	48486.1356112508
2021M04	48906.21672634014
2021M05	49326.29784142948
2021M06	49746.37895651882
2021M07	50166.46007160816
2021M08	50586.54118669751
2021M09	51006.62230178685
2021M10	51426.70341687619
2021M11	51846.78453196553
2021M12	52266.86564705488
2022M01	52686.94676214422
2022M02	53107.02787723356
2022M03	53527.1089923229
2022M04	53947.19010741225
2022M05	54367.27122250159
2022M06	54787.35233759093
2022M07	55207.43345268027
2022M08	55627.51456776961
2022M09	56047.59568285896
2022M10	56467.6767979483
2022M11	56887.75791303764
2022M12	57307.83902812699
2023M01	57727.92014321632
2023M02	58148.00125830566
2023M03	58568.08237339501
2023M04	58988.16348848435
2023M05	59408.2446035737
2023M06	59828.32571866304
2023M07	60248.40683375238
2023M08	60668.48794884172
2023M09	61088.56906393106
2023M10	61508.6501790204
2023M11	61928.73129410975
2023M12	62348.81240919909
2024M01	62768.89352428844
2024M02	63188.97463937778
2024M03	63609.05575446711
2024M04	64029.13686955646

2024M05	64449.2179846458
2024M06	64869.29909973515
2024M07	65289.38021482449
2024M08	65709.46132991382
2024M09	66129.54244500318
2024M10	66549.62356009251
2024M11	66969.70467518185
2024M12	67389.7857902712
2025M01	67809.86690536054
2025M02	68229.94802044989
2025M03	68650.02913553922
2025M04	69070.11025062856
2025M05	69490.19136571791
2025M06	69910.27248080725
2025M07	70330.3535958966
2025M08	70750.43471098594
2025M09	71170.51582607528
2025M10	71590.59694116462
2025M11	72010.67805625396
2025M12	72430.75917134331
2026M01	72850.84028643265
2026M02	73270.92140152199
2026M03	73691.00251661134
2026M04	74111.08363170068
2026M05	74531.16474679001
2026M06	74951.24586187936
2026M07	75371.3269769687
2026M08	75791.40809205805
2026M09	76211.48920714739
2026M10	76631.57032223672
2026M11	77051.65143732608
2026M12	77471.73255241541
2027M01	77891.81366750476
2027M02	78311.8947825941
2027M03	78731.97589768344
2027M04	79152.05701277279
2027M05	79572.13812786212
2027M06	79992.21924295148
2027M07	80412.30035804081
2027M08	80832.38147313015
2027M09	81252.4625882195
2027M10	81672.54370330884
2027M11	82092.62481839818
2027M12	82512.70593348752
2028M01	82932.78704857686
2028M02	83352.86816366621
2028M03	83772.94927875555
2028M04	84193.03039384489
2028M05	84613.11150893424
2028M06	85033.19262402358
2028M07	85453.27373911292
2028M08	85873.35485420226
2028M09	86293.4359692916
2028M10	86713.51708438095
2028M11	87133.59819947029

2028M12 87553.67931455962

Lampiran 15. Beberapa hasil model yang diperoleh dengan nilai konstanta dan parameter.

No	Jenis Model	variabel	koefisien	Probabilitas	AIC	SIC	Adjusted R	SSE
1	1.1.0	C	4103966	0,6558	20,49751	20,60904	-0,039006	6649,785
		AR(1)	0,030585	0,7792				
2	2.1.0	C	46697,00	0,0000	20,43033	20,61449	0,514766	6254,745
		AR(2)	-0,191588	0,0611				
3	0.1.1	C	46978,79	0,0000	20,30452	20,45185	0,569411	5892,037
		MA(1)	0,667905	0,0000				
4	1.1.1	C	46028,65	0,0000	20,3063	20,49047	0,573514	5863,895
		AR(1)	0,919495	0,0000				
		MA(1)	0,640250	0,0000				
5	1.1.2	C	234,9228	0,5984	20,35247	20,53834	0,143750	6036,690
		AR(1)	0,292457	0,1089				
		MA(2)	-0,522989	0,0002				
6	0.1.2	C	286,6403	0,6511	20,32861	20,47731	0,140960	6031,944
		MA(2)	-0,449977	0,0002				
7	2.1.1	C	46032,96	0,0000	20,34267	20,56367	0,564603	5924,844
		AR(2)	0,057954	0,9065				
		MA(1)	0,654813	0,0007				
8	2.1.2	C	326,5620	0,7255	20,38065	20,6037	0,130653	6082,682
		AR(2)	-0,529195	0,3914				
		MA(2)	0,183775	0,7559				

Sumber: Data Sekunder,Setelah diolah, 2024.

Lampiran 16. Perbandingan Data Harga Peramalan Harga Bawang merah di Kota Bengkulu.

Periode 2028	**Harga Peramalan**	**Periode 2023**	**Harga aktual**	**Selisih**
Januari	Rp 82.932	Januari	Rp 45.119	Rp 37.813
Februari	Rp 83.352	Februari	Rp 44.428	Rp 38.924
Maret	Rp 83.772	Maret	Rp 46.430	Rp 37.342
April	Rp 84.193	April	Rp 40.578	Rp 43.615
Mei	Rp 84.613	Mei	Rp 36.190	Rp 48.423
Juni	Rp 85.033	Juni	Rp 38.500	Rp 46.533
Juli	Rp 85.453	Juli	Rp 43.674	Rp 41.779
Agustus	Rp 85.873	Agustus	Rp 42.338	Rp 43.535
September	Rp 86.293	September	Rp 43.918	Rp 42.375
Oktober	Rp 86.713	Oktober	Rp 44.944	Rp 41.769
November	Rp 87.133	November	Rp 64.869	Rp 22.264
Desember	Rp 87.553	Desember	Rp 63.524	Rp 24.029
Jumlah	**Rp 1.022.913**	**Jumlah**	**Rp 554.512**	**Rp 468.401**
Rata-rata	**Rp 85.243**	**Rata-rata**	**Rp 46.209**	**Rp 39.033**

Sumber: Data Sekunder Setelah diolah, 2024.

Lampiran 17. Mean Square Error (MSE)

Model ARIMA	Mean Square Error (MSE)
(1,1,1)	10958.28
(0,1,1)	12455.26
(2,1,1)	**9167.265**

Lampiran 18. Residual Diagnostic Model (2.1.1)

Autocorrelation	Partial Correlation		AC	PAC	Q-Stat	Prob
. | . |	. | . |	1	0.005	0.005	0.0015	
. | . |	. | . |	2	-0.016	-0.016	0.0159	
. | . |	. | . |	3	-0.045	-0.045	0.1325	
. | . |	. | . |	4	-0.056	-0.056	0.3192	0.572
**| . |	**| . |	5	-0.237	-0.240	3.7386	0.154
. | . |	. | . |	6	0.006	-0.000	3.7406	0.291
.*| . |	.*| . |	7	-0.137	-0.163	4.9320	0.294
. |*. |	. |*. |	8	0.149	0.132	6.3697	0.272
.*| . |	.*| . |	9	-0.067	-0.119	6.6711	0.352
. | . |	.*| . |	10	-0.031	-0.092	6.7354	0.457
. | . |	. | . |	11	-0.030	-0.051	6.7983	0.559
. | . |	.*| . |	12	-0.013	-0.093	6.8108	0.657
. | . |	. | . |	13	-0.008	0.045	6.8156	0.743
. | . |	.*| . |	14	0.003	-0.099	6.8161	0.814
. | . |	. | . |	15	-0.007	-0.000	6.8203	0.869
. |*. |	. | . |	16	0.119	0.045	7.9359	0.848
. | . |	. | . |	17	0.059	0.041	8.2155	0.878
.*| . |	.*| . |	18	-0.081	-0.080	8.7625	0.890
.*| . |	.*| . |	19	-0.104	-0.150	9.6940	0.882
. | . |	. | . |	20	0.021	0.043	9.7327	0.914
. | . |	.*| . |	21	-0.065	-0.083	10.114	0.928
. | . |	. | . |	22	-0.061	-0.051	10.469	0.940
. | . |	.*| . |	23	-0.007	-0.067	10.473	0.959
. |*. |	. | . |	24	0.103	0.025	11.549	0.951

Lampiran 19. Prediksi Harga Bawang Merah di Kota Bengkulu tahun 2024-2028.

No	Bulan	harga pada Tahun 2023	Harga pada Tahun 2028	Selisish	Persentase Kenaikan
1	Januari	Rp 45.119	Rp 82.932	Rp 37.813	31,3%
2	Februari	Rp 44.428	Rp 83.352	Rp 38.924	32,4%
3	Maret	Rp 46.430	Rp 83.772	Rp 37.342	31,2%
4	April	Rp 40.578	Rp 84.193	Rp 43.615	36,7%
5	Mei	Rp 36.190	Rp 84.613	Rp 48.423	40,9%
6	Juni	Rp 38.500	Rp 85.033	Rp 46.533	39,5%
7	Juli	Rp 43.674	Rp 85.453	Rp 41.779	35,7%
8	Agustus	Rp 42.338	Rp 85.873	Rp 43.535	37,3%
9	September	Rp 43.918	Rp 86.293	Rp 42.375	36,5%
10	Oktober	Rp 44.944	Rp 86.713	Rp 41.769	36,2%
11	November	Rp 64.869	Rp 87.133	Rp 22.264	19,3%
12	Desember	Rp 63.524	Rp 87.553	Rp 24.029	21,0%

HASIL GAMBAR PENELITIAN

Gambar. Badan Pusat Statistik Kota Bengkulu.

DAFTAR RIWAYAT HIDUP

Mita Nia Sari lahir pada tanggal 08 september 2002 di Martapura, Sumatra Selatan. Penulis merupakan anak dari bapak Yono dan ibu Mur Diana merupakan anak ke Dua dari Tiga bersaudara. Bertempat tinggal di Jl.Tunggal, Kecamatan Pasar Sejantung, Kabupaten Kepahiang, Provinsi Bengkulu. Pendidikan yang pernah di tempuh ; Sekolah dasar di SD Negeri 01 Kepahiang pada tahun 2008 kemudian lulus pada tahun 2014. Kemudian melanjutkan ke MTSs 01 Darussalam Kepahiang dan lulus pada tahun 2017, meneruskan pendidikan ke MAN Negeri 02 Kepahiang dan lulus pada tahun 2020. Kemudian penulis tercatat sebagai mahasiswa perguruan tinggi Universitas Muhammadiyah Bengkulu pada Fakultas Pertanian dan Peternakan (FPP) jurusan Agribisnis pada tahun 2020. Penulis melaksanakan penelitian untuk menyelesaikan skripsi ini agar tercapainya suatu keberhasilan dengan melaksanakan penelitian pada bulan September sampai dengan bulan November 2024. Dengan ketekunan dan mempunyai motivasi yang tinggi untuk terus belajar dan berusaha, penulis telah berhasil menyelesaikan pengerjaan tugas akhir skripsi ini. Semoga dengan penulisan skripsi ini mampu memberikan kontribusi positif bagi dunia pendidikan. Akhir kata penulis mengucapkan rasa syukur yang sebesar-besarnya atas terselesaikannya skripsi yang berjudul “Analisis Peramalan Harga Bawang Merah di Kota Bengkulu.