LAMPIRAN

Lampiran 1 Data Ketersediaan dan Permintaan Produk Kanon

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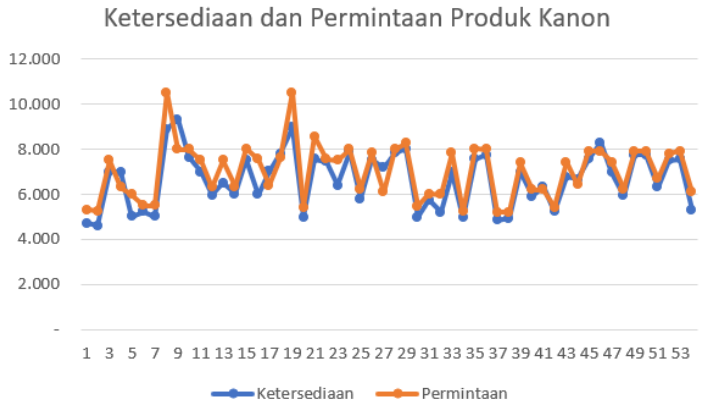
Departemen Produksi Pabrik 1

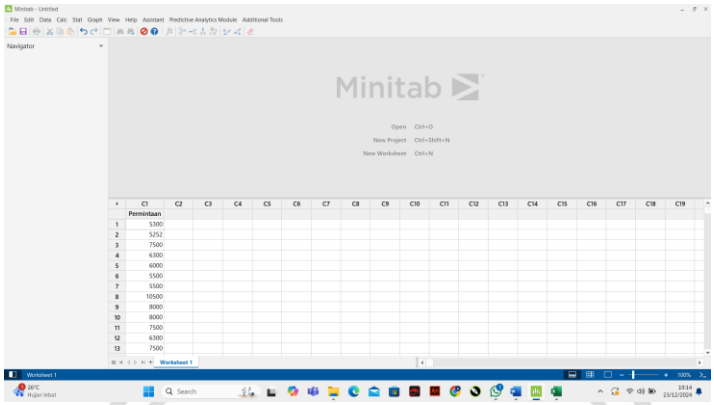
Periode	Ketersediaan	Permintaan
Jan-20	4.718	5.300
Feb-20	4.601	5.252
Mar-20	6.984	7.500
Apr-20	7.000	6.300
May-20	5.016	6.000
Jun-20	5.218	5.500
Jul-20	5.000	5.500
Aug-20	8.900	10.500
Sep-20	9.327	8.000
Oct-20	7.641	8.000
Nov-20	6.981	7.500
Dec-20	5.952	6.300
Jan-21	6.500	7.500
Feb-21	6.016	6.332
Mar-21	7.521	8.010
Apr-21	5.980	7.552
May-21	7.019	6.400
Jun-21	7.800	7.600
Jul-21	8.974	10.522
Aug-21	4.983	5.410
Sep-21	7.571	8.550
Oct-21	7.438	7.550
Nov-21	6.392	7.500
Dec-21	7.892	8.000
Jan-22	5.800	6.220
Feb-22	7.532	7.825
Mar-22	7.187	6.103
Apr-22	7.842	7.982
May-22	8.013	8.251
Jun-22	4.987	5.471
Jul-22	5.739	6.027
Aug-22	5.200	6.000
Sep-22	6.953	7.832
Oct-22	4.959	5.238
Nov-22	7.547	8.018
Dec-22	7.750	8.000
Jan-23	4.837	5.201
Feb-23	4.943	5.203
Mar-23	6.985	7.405
Apr-23	5.917	6.207
May-23	6.350	6.209
Jun-23	5.221	5.411
Jul-23	6.773	7.413
Aug-23	6.665	6.415
Sep-23	7.547	7.917
Oct-23	8.279	7.919
Nov-23	6.961	7.421
Dec-23	5.943	6.223
Jan-24	7.750	7.906
Feb-24	7.750	7.900
Mar-24	6.300	6.702
Apr-24	7.500	7.805
May-24	7.547	7.900
Jun-24	5.300	6.102

Lampiran 2 Plotting Data Ketersediaan dan Permintaan Produk Kanon



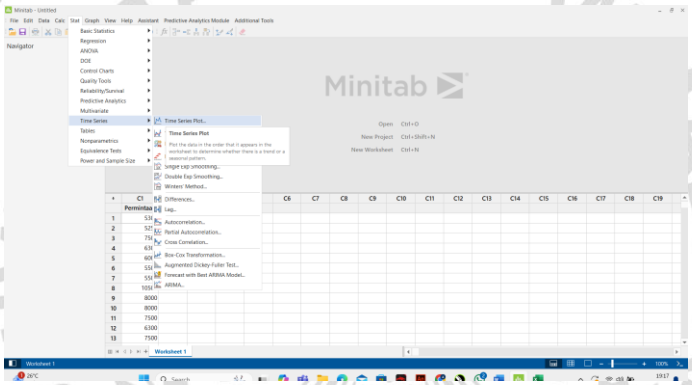
Lampiran 3 Pengolahan metode Triple Exponential Smoothing ;

Input data permintaan dari bulan Januari 2020 hingga Juni 2024



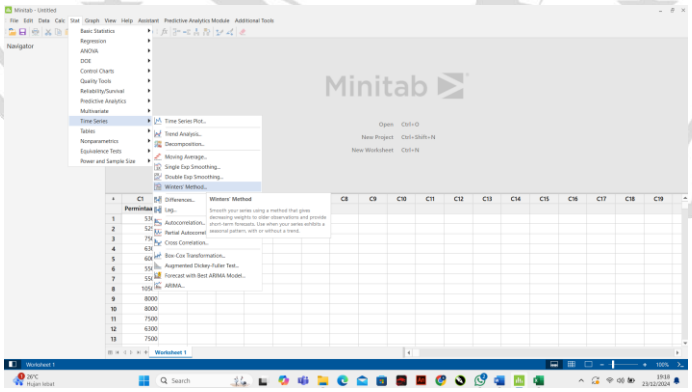
Input Data Permintaan

Lalu pilih stat, time series plot agar tau pola pada data



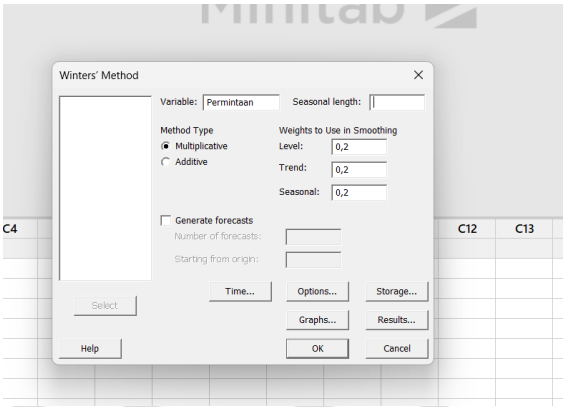
Time Series plot

Pilih stat, time series dan winter's method



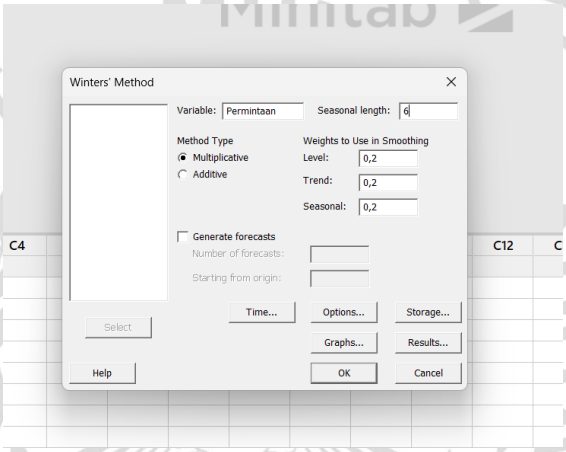
Time Series Winter's Method

Pada kolom variable diisi C1 Permintaan



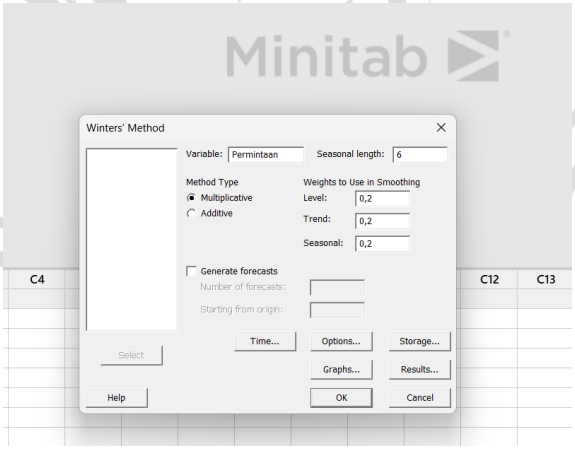
Variable Permintaan

Lalu pada seasonal lenght diisi 6



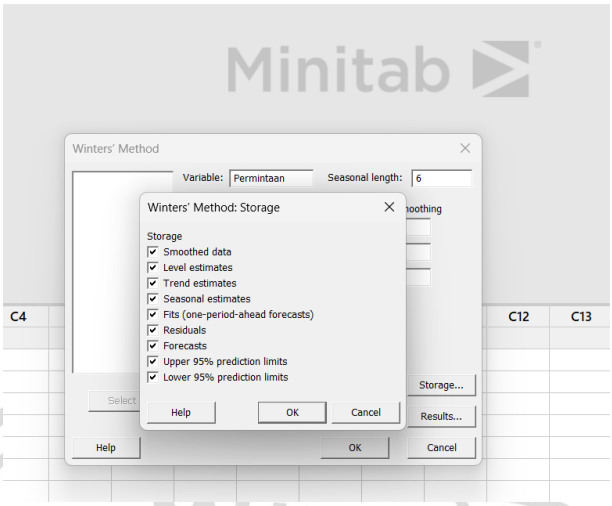
Seasonal Lenght

Isi pada bagian level 0,2, trend 0,2, dan seasonal 0,2



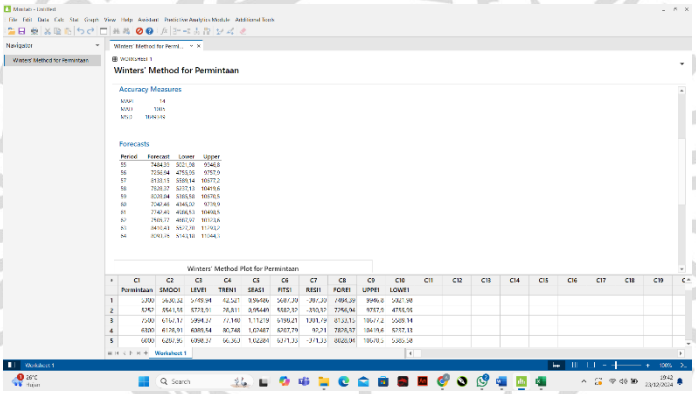
Level, Trend, Seasonal

Klik storage dan ok



Storage

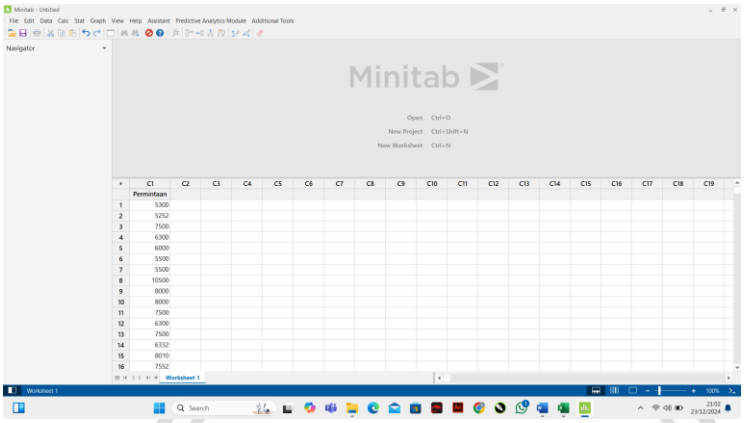
Jika sudah maka akan muncul hasil dari pengolahan data menggunakan metode Triple Exponential Smoothing



Hasil Pengolahan Triple Exponential Smoothing

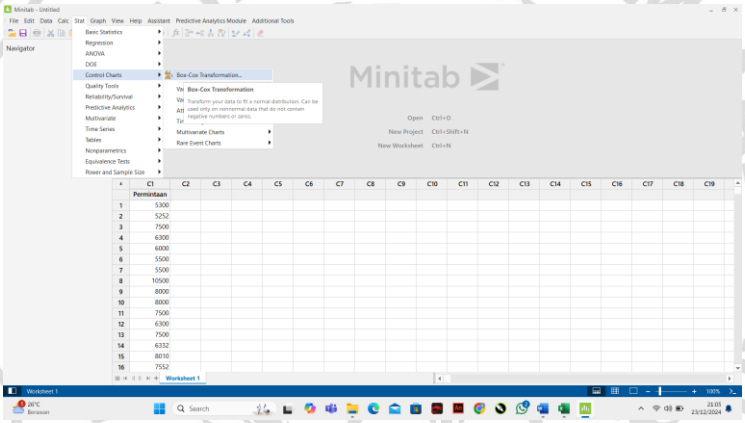
Lampiran 4 Pengolahan metode Arima:

Input data permintaan dari bulan Januari 2020 hingga Juni 2024



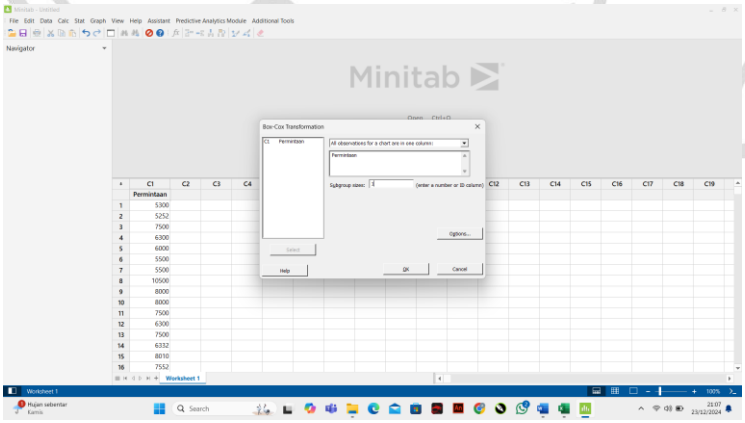
Input Data Permintaan

Klik control charts, Box-Cox Transformation untuk stasioneritas



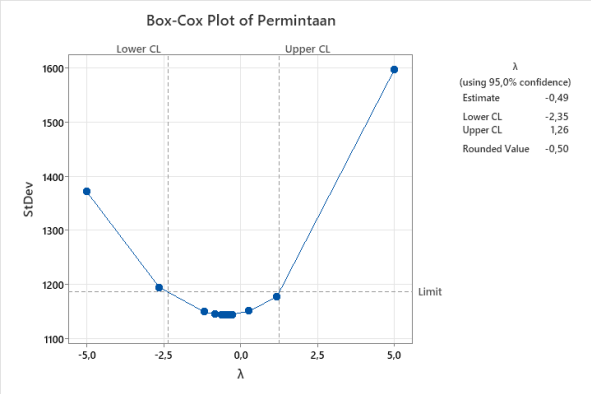
Control Charts dan Box-Cox Transformation

Isi permintaan pada kolom kosong, lalu ok



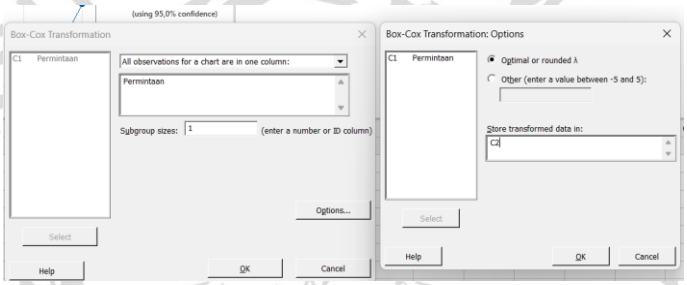
Isi Permintaan Pada Kolom

Jika rounded value jika belum 1 maka data belum ragam dan selanjutnya melakukan transformasi



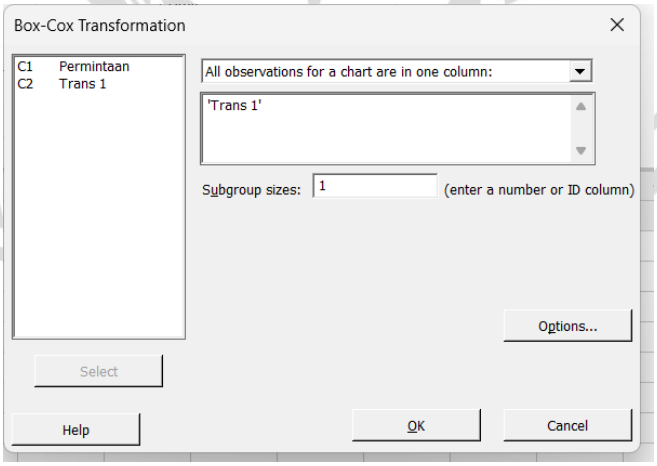
Uji Stasioner Ragam

Melakukan transformasi dengan cara klik control charts, Box-Cox Transformation, lalu options



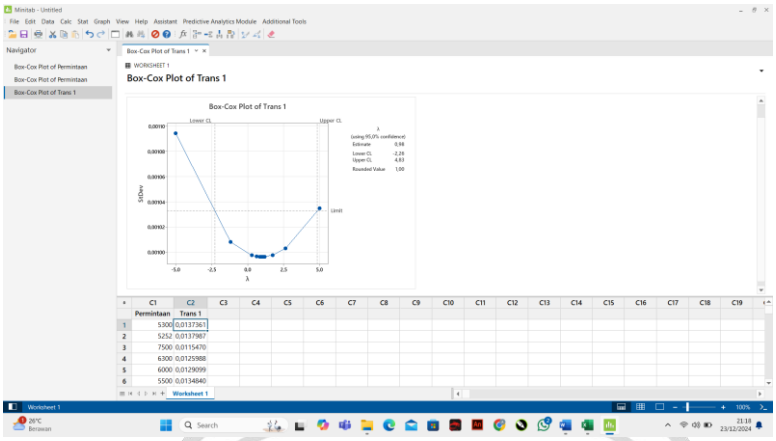
Control Charts, Box-cox, options

Melakukan cek ulang dengan klik control charts, Box-Cox Transformation, pada kolom atas diisi ‘Trans 1’ lalu klik ok



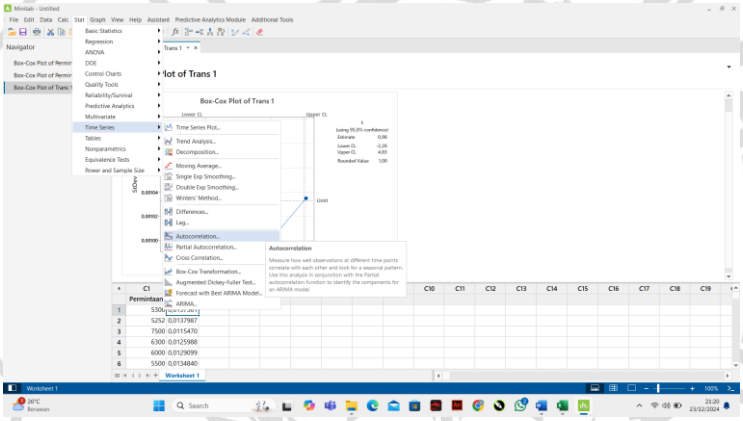
Melakukan Cek ulang

Jika sudah akan muncul hasil



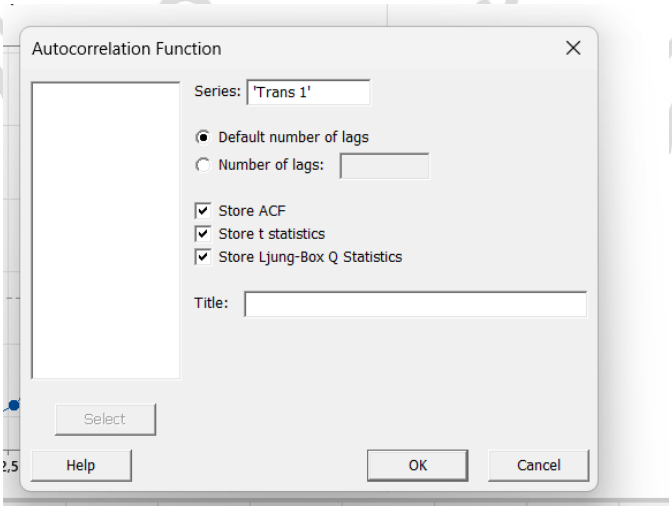
Hasil dari Transformasi

Klik time series, autocorrelation untuk melakukan stasioneritas terhadap rata-rata



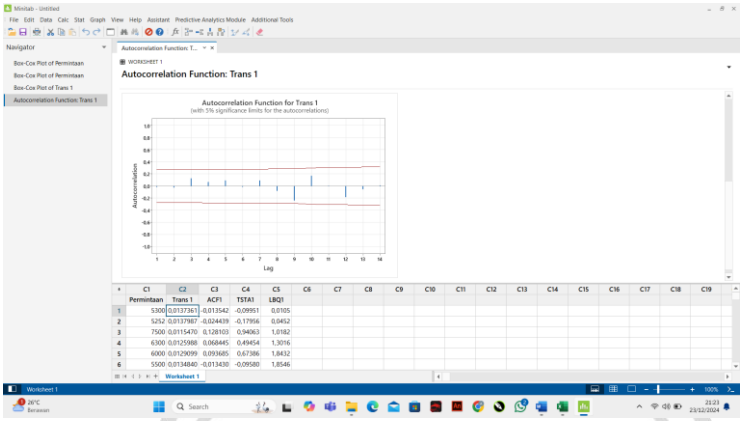
Melakukan Stasioneritas Rata-rata

Lalu masukkan series Trans 1 dan klik ok



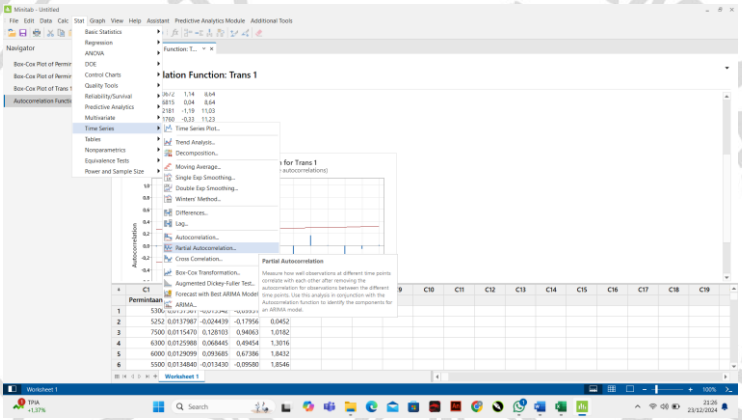
Series Trans 1

Maka akan muncul hasil. Jika tidak ada lag yang keluar maka data sudah stasioner rata-rata



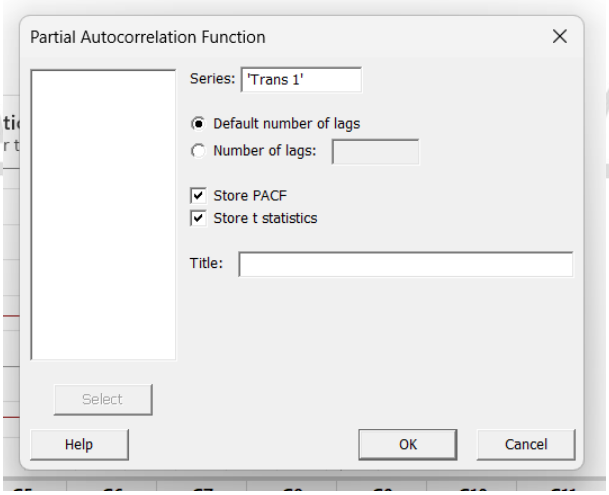
Hasil Autocorrelation Trans 1

Klik stat, time series, partial autocorrelation function



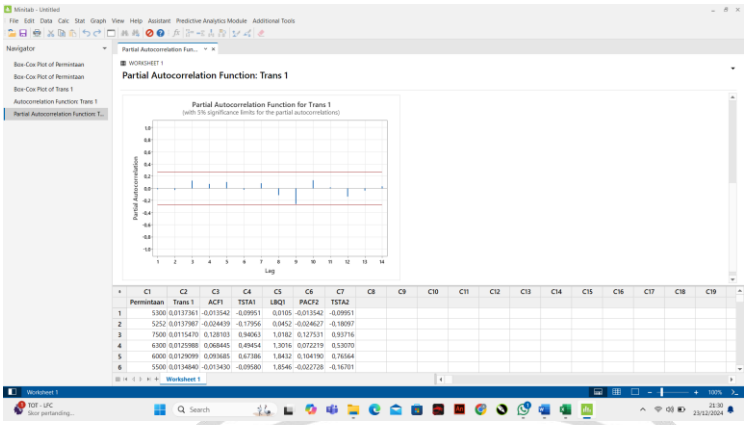
Time Series, Partial Autocorrelation

Pada kolom series diisi ‘Trans 1’ lalu ok



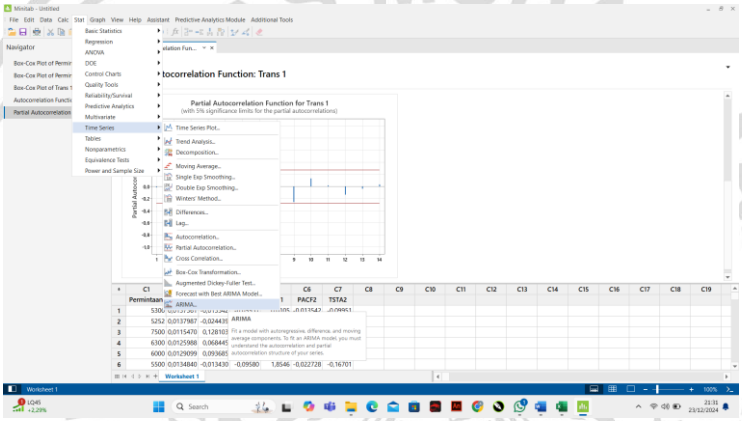
Isi Kolom Series

Maka akan keluar hasil, dan tidak ada lag yang keluar



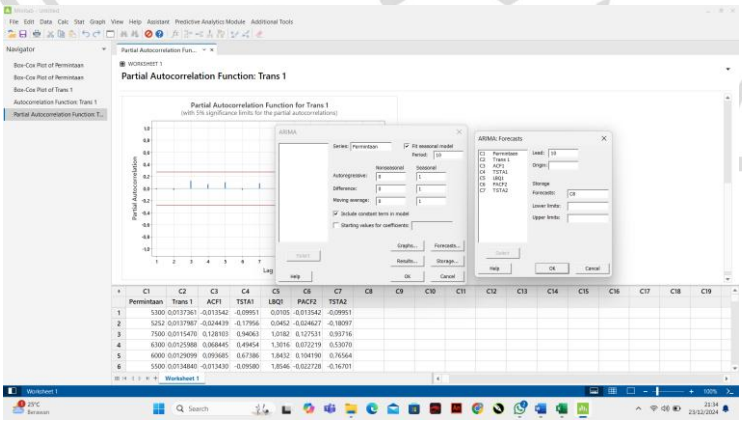
Hasil Partial Autocorrelation

Klik stat, time series, Arima



Time Series, Arima

Pada kolom series isi permintaan, lalu masukkan seasonal, forecast, pada kolom lead diisi 10 yang berarti peramalan untuk 10 periode



Isi kolom Series, Seasonal, Forecast