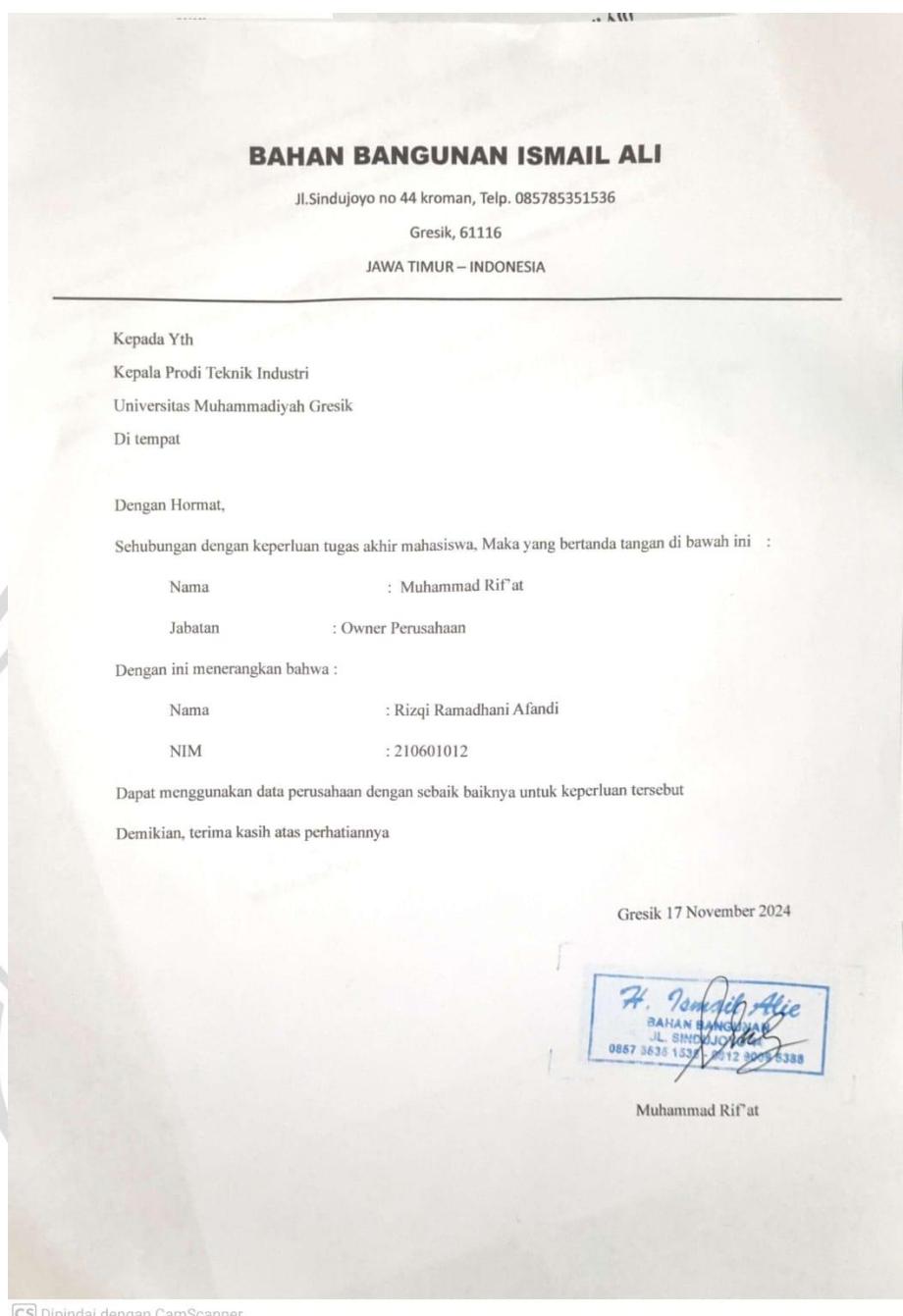


LAMPIRAN

1. Produk SEMEN GRESIK 40 kg



3. Surat Keterangan persetujuan menggunakan data dari perusahaan



4. Surat Keterangan Pernyataan wawancara dan diskusi

SURAT KETERANGAN PERNYATAAN WAWANCARA & DISKUSI

Tempat : UKM Bahan Bangunan Ismail Ali

Tanggal : 17 November 2024

Wawancara dengan :

Pihak pertama : Bpk. Muhammad Rifat (Owner UKM Bahan Bangunan Ismail Ali)

Pihak ke-dua : Rizqi Ramadhani Afandi (Mahasiswa UMG)

Pada tanggal 17 November 2024 telah dilakukan wawancara & diskusi dengan owner UKM Bahan Bangunan Ismail Ali .

Wawancara ini dilakukan bertujuan untuk mendapatkan informasi terkait permasalahan yang sedang terjadi di UKM Bahan Bangunan Ismail Ali yakni : "Peramalan penjualan semen gresik".

Berikut adalah data yang di dapatkan dari sesi wawancara & diskusi :

1. Permasalahan yang terjadi di UKM Bahan Bangunan Ismail Ali.
2. Data penjualan semen gresik bulan November 2022 – Oktober 2024

Data tersebut dipergunakan untuk keperluan tugas akhir. Demikian berita acara ini dibuat untuk di gunakan sebagai mana mestinya.

Mengetahui

Pihak pertama



Muhammad rifat

Pihak Ke-dua



Lampiran

Data Permintaan UKM Bahan Bangunan Ismail Ali

Bulan	Semen Gresik
Nov-22	221
Dec-22	202
Jan-23	216
Feb-23	234
Mar-23	212
Apr-23	205
May-23	210
Jun-23	205
Jul-23	225
Aug-23	225
Sep-23	209
Oct-23	232
Nov-23	216
Dec-23	233
Jan-24	212
Feb-24	210
Mar-24	215
Apr-24	201
May-24	219
Jun-24	224
Jul-24	207
Aug-24	216
Sep-24	225
Oct-24	207



Muhammad rifat

5. Cara peramalan Single Moving Average dengan software Minitab

The figure consists of three vertically stacked screenshots of the Minitab software interface, illustrating the process of performing a Single Moving Average forecast.

Screenshot 1: The Minitab interface with the title bar "Minitab - Untitled". The menu bar includes File, Edit, Data, Calc, Stat, Graph, View, Help, and Assistant. The toolbar contains various icons for file operations like Open, Save, and Print. The worksheet area shows a single column of data labeled C1 with values 221, 202, 216, 234, 212, 205, 210, and 2015. The status bar at the bottom indicates "Worksheet 1".

Screenshot 2: The Minitab interface with the title bar "Minitab - Untitled". The menu bar includes File, Edit, Data, Calc, Stat, Graph, View, Help, and Assistant. The Stat menu is open, showing sub-options like Basic Statistics, Regression, ANOVA, DOE, Control Charts, Quality Tools, Reliability/Survival, Multivariate, Time Series, Tables, Nonparametrics, Equivalence Tests, and Power and Sample Size. The "Time Series" option is selected, and its submenu is displayed, showing Time Series Plot..., Trend Analysis..., Decomposition..., Moving Average..., Single Exp Smoother..., Double Exp Smoother..., Winters' Method..., Differences..., Lag..., Autocorrelation..., and Partial Autocorrelation... The "Moving Average..." option is highlighted. The worksheet area shows the same data as in Screenshot 1. The status bar at the bottom indicates "Worksheet 1".

Screenshot 3: The Minitab interface with the title bar "Minitab - Untitled". The menu bar includes File, Edit, Data, Calc, Stat, Graph, View, Help, and Assistant. The "Moving Average..." option from the Time Series submenu is now open, displaying the "Moving Average" dialog box. The dialog box has fields for "Variable" (set to C1) and "MA length" (set to 3). There are checkboxes for "Center the moving averages" (unchecked), "Generate forecasts" (checked), and "Number of forecasts" (set to 1). Below these are buttons for "Time...", "Options...", "Storage...", "Graphs...", "Results...", "OK", and "Cancel". To the right of the dialog box is a smaller "Moving Average: Results" dialog box with options for "Control the Display of Results": "Display nothing" (radio button), "Summary table" (radio button), and "Summary table and results table" (radio button, selected). The worksheet area shows the same data as in Screenshot 1. The status bar at the bottom indicates "Worksheet 1".

6. Cara peramalan *single eksponensial smoothing* dengan software minitab

The figure consists of three vertically stacked screenshots of the Minitab software interface.

Screenshot 1: Shows a blank worksheet titled "Worksheet 1". The data column C1 contains the following values: 221, 202, 216, 234, 212, 205, 210, and 2015. The Minitab logo is visible in the top right corner.

Screenshot 2: Shows the "Stat" menu open, with the "Time Series" option selected. Under "Time Series", the "Single Exponential Smoothing..." option is highlighted. A tooltip provides a brief description: "Smooth your series using a method that gives decreasing weights to older observations and provide short-term forecasts. Do not use when your series exhibits a trend or a seasonal pattern." The data in column C1 is identical to the first screenshot.

Screenshot 3: Shows the "Single Exponential Smoothing" dialog box. In the "Variable" field, "C1" is selected. The "Weight to Use in Smoothing" section has "Optimal ARIMA" selected. The "Generate forecasts" checkbox is checked, with "Number of forecasts: 1" and "Starting from origin: 1" specified. The "OK" button is highlighted. A smaller "Single Exponential Smoothing: Results" dialog box is also visible, showing "Control the Display of Results" options: "Display nothing", "Summary table", and "Summary table and results table". The "OK" button is also present here. The data in column C1 is identical to the previous screenshots.