

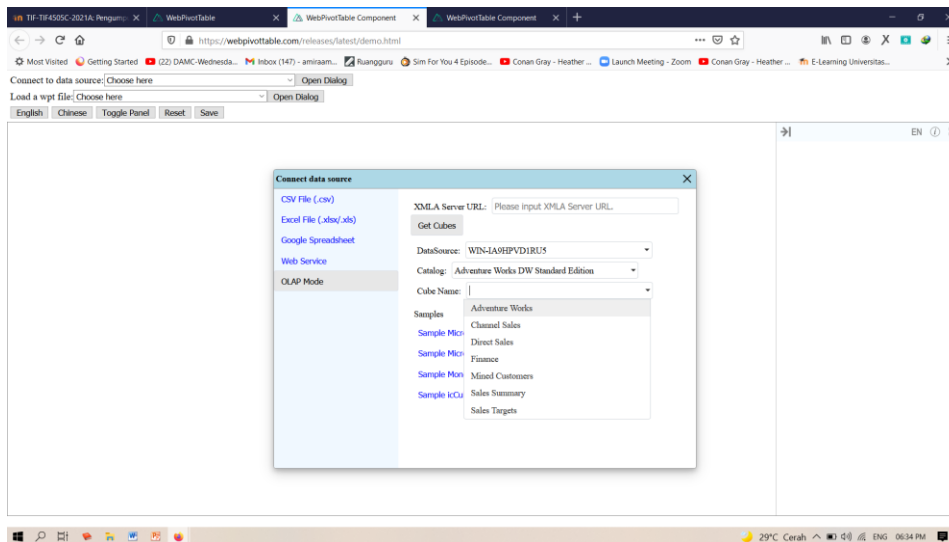
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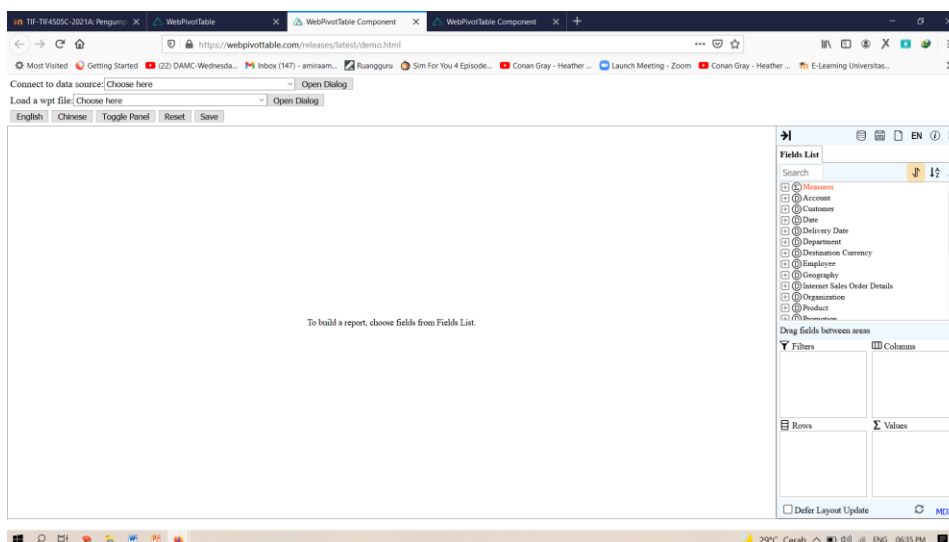
## Assignment using Web PivotTable

### 1. Load the Data Cube

Pilih OLAP mode dan pilih catalog Adventure Works DW Standard Edition dengan cube name Adventure works.



Setelah di set maka akan muncul seperti dibawah ini. Kemudian buatlah pivot tablenya.



## 2. Create the Pivot Table

Berikut ini merupakan tampilan setelah promotion dimasukkan ke dalam Rows, Delivery Date.Month of Year dimasukkan ke dalam Columns, dan Average Sales Amount dimasukkan ke dalam Values. Tabel menampilkan semua Promotions (promosi) dan semua Periods (periode) dengan perluasan yang lengkap pada baris dan kolom dengan Average Sales Amount (jumlah penjualan rata-rata).

The screenshot displays the WebPivotTable Component interface. The main area shows a pivot table with the following structure:

Promotions	Periods	Average Sales Amount
All Promotions		\$5,590.42
No Discount		\$4,007.91
Reseller		\$2,474.75
Discontinued Product		\$3,218.92
Mountain 100 Clea...		\$10,455.32
Mountain 500 Silve...		\$417.73
Excess Inventory		\$819.44
Road 450 Overstock		\$819.44
New Product		\$7,184.00
Touring 3000 Prom...		\$3,785.88
Touring 1000 Prom...		\$5,371.27
Seasonal Discount		\$250.75
Sport Helmet Disco...		\$206.91
Sport Helmet Disco...		\$303.36
Volume Discount		\$2,166.60
Volume Discount 1...		\$1,851.21
Volume Discount 1...		\$2,990.33
Volume Discount 2...		\$1,748.97
Volume Discount 4...		\$868.49

The right sidebar shows the configuration for the pivot table:

- Fields List:** Amount, Average Rate, Average Sales Amount (checked), Average Unit Price, Customer Count, Discount Amount, Discount Percentage, End of Day Rate, Expense to Revenue Ratio, Extended Amount, Freight Cost.
- Filters:** Delivery Date, Month of Year (checked).
- Rows:** Promotions (checked), (All) (checked), Category (checked), Type (checked), Promotion (checked).
- Columns:** Delivery Date, Month of Year (checked).
- Values:** Average Sales Amount (checked), Amount (checked).

The bottom status bar shows the system clock and language settings: 35°C, Cerah, ENG, 12:06 PM.

### 3. Extend the Pivot Table

Tambahkan Source Currency level ke area Filter, tetapi jangan tambahkan semua level. Setelah itu buatlah filter yang menampilkan nilai untuk Canadian Dollar.

The screenshot shows the WebPivotTable Component interface. A dialog box titled "Source Currency" is open, allowing the user to filter by source currency. The dialog box has a "Filter By" section with "Not filter" and "Label" options. Below this, there are sections for "Manually include" and "Manually exclude". In the "Manually include" section, the "Canadian Dollar" is selected. The background shows a pivot table with various product categories and their corresponding values in different currencies.

Setelah menambahkan filter Canadian Dollar, tambahkan juga filter US Dollar.

The screenshot shows the WebPivotTable Component interface. A dialog box titled "Source Currency" is open, allowing the user to filter by source currency. The dialog box has a "Filter By" section with "Not filter" and "Label" options. Below this, there are sections for "Manually include" and "Manually exclude". In the "Manually include" section, the "US Dollar" is selected. The background shows a pivot table with various product categories and their corresponding values in different currencies.

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The screenshot shows the WebPivotTable application interface. The main table displays data for various products and categories, including 'All Promotions', 'No Discount', 'Retailer', 'Discontinued Product', 'Mountain 100 Chea...', 'Mountain 500 Silve...', 'Excess Inventory', 'Road 650 Overstock', 'New Product', 'Touring 3000 Prom...', 'Touring 1000 Prom...', 'Seasonal Discount', 'Sport Helmet Disco...', 'Volume Discount 1...', 'Volume Discount 2...', 'Volume Discount 3...', and 'Volume Discount 4...'. The table has columns for 'All Periods', 'January', 'February', 'March', 'April', 'May', 'June', 'July', 'August', 'September', 'October', 'November', and 'December'. The sidebar on the right contains a 'Fields List' and 'Grid Options' section, with filters for 'Source Currency', 'Date-Month of Year', 'Month of Year', 'Promotions', 'Category', 'Type', and 'Promotion'. The 'Month of Year' filter is currently set to 'January'.

Hasil yang diminta berupa perluasan (penjabaran) dari semua Periods (periode) dan semua Promotions (promosi) dengan Average Sales Amount (jumlah penjualan rata-rata) bulan Januari. Jadi tambahkan filter Januari pada Date Month of Year.

The screenshot shows the WebPivotTable application interface with a 'Month of Year' filter dialog box open. The dialog box has a 'Filter By' section with 'Not filter' and 'Label' options. The 'Manually include' section lists months from January to December, with 'January' selected. The 'Manually exclude' section is empty. The 'OK' button is at the bottom. The background shows the same data table as the previous screenshot, but with the 'Month of Year' filter applied, showing data for January only.

Maka hasilnya akan seperti dibawah ini.

The screenshot displays the WebPivotTable web application. The interface includes a top navigation bar with links for EN, Document, Demo, Download, and Contact. Below this, there are options to connect to a data source or load a .wpt file. The main area features a data table with columns for various categories and their corresponding values. To the right of the table is a configuration panel with sections for Fields List, Grid Options, Filters, Columns, Rows, and Values.

(Promotional) (Promotions)	January
All Promotions	\$5,644.84
No Discount	\$5,007.31
Retailer	\$5,289.97
Excess Inventory	\$843.59
Road-650 Overstock	\$843.59
New Product	\$11,315.77
Touring-3000 Prom...	\$5,740.10
Touring-1000 Prom...	\$7,348.90
Seasonal Discount	\$239.11
Sport Helmet Disco...	\$203.31
Sport Helmet Disco...	\$283.52
Volume Discount	\$4,940.90
Volume Discount 1...	\$3,768.35
Volume Discount 1...	\$5,131.72
Volume Discount 2...	\$690.36

**Fields List**

- Delivery Date Fiscal Weeks
- Delivery Date Fiscal Year
- Delivery Date Month of Year
- (All)
- Month of Year

**Grid Options**

**Filters**

- Source Currency
- Source Currency

**Columns**

- Delivery
- Date-Month of Year
- Month of Year

**Rows**

- Promotions
- (All)
- Category
- Type
- Promotions

**Values**

- Average Sales Amount

#### 4. Extend the Pivot Table with Filter Changes and Rollups.

Ubah filter untuk menunjukkan hasil mata uang Euro saja.

The screenshot shows the WebPivotTable Component interface. A 'Source Currency' dialog box is open, allowing the user to filter the data by currency. The dialog has a 'Filter By' section with 'Not filter' and 'Label' options. The 'Manually include' section lists various currencies with checkboxes: Dong, Drachma, Egyptian Pound, El Salvador Colon, Emirati Dirham, Euro (selected), Fiji Dollar, Forint, French Franc, and Guaraní. The 'Manually exclude' section is empty. The background shows a pivot table with columns for currency and rows for various product categories like 'All Promotions', 'No Discount', 'Reseller', etc.

Roll up (gulung/tutup) semua Reseller Promotions kecuali untuk Excess Inventory. Tabel hanya menampilkan sub kategori dari Excess Inventory Item. Hapus pivot chart sehingga tampilan hanya berupa tabel pivot. Tabel menunjukkan Average Sales Amount (jumlah penjualan rata-rata) untuk semua Periods (periode) bersama dengan sebuah subset dari penjabaran seluruh Promotions (promosi) untuk Excess Inventory.

The screenshot shows the WebPivotTable Component interface after a rollup operation. The 'Excess Inventory' category is now expanded, showing sub-categories like 'Discontinued Product', 'Excess Inventory', 'Road-650 Overstock', 'New Product', 'Seasonal Discount', and 'Volume Discount'. The pivot table displays the 'Average Sales Amount' for each sub-category across different periods. The 'Fields List' on the right shows the 'Source Currency' filter set to 'Euro'.