### Advantages of 3.0

- 1. YEROTH-ERP-3.0 is 100% stable
- 2. YEROTH-ERP-3.0 has an alert system with two types of alerts: alerts based on stock-quantity, and timeperiod alerts
- 3. users have the choice between small size receipts, and, bigger size receipts ("A4")
- 4. YEROTH-ERP-3.0 runs on the Linux operating system, because Linux is stable, performant, and less vulnerable to security breaches in comparison to other operating systems ('Windows 10')
- 5. YEROTH-ERP-3.0 has an user interface "Sales" to view sale information (Figure 2), and thus enables users to make managerial decisions
- 6. YEROTH-ERP-3.0 has an interface "Business dashboard" that generates financial accounting reports, from sale and payment information, to help managers to make "business decisions".

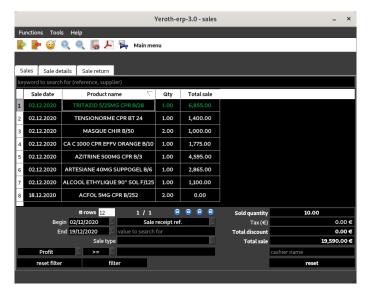


Figure 2: Sale-information window.

# Alert System

Users with roles « Administrator » or « Business manager » are the ones able to create alerts.

YEROTH-ERP-3.0 allows its users to create two types of alerts:

- 1. alerts over stocks—quantities
- 2. alerts over time intervals (this helps for perissable articles and for sales discounts over a period of time).

## 4.1 Alerts over Stock-Quantity

An alert aver a stock—quantity is a message that is sent to a pre-determined user whenever "pre-determined" stockquantity (X) of a specific article—stock is reached.

For instance, Xavier (« Business manager ») could create an alert for stock "mango" that will be trigerred whenever Figure 3 illustrates the window for selling articles.

YEROTH-ERP- stock "mango" quantity reaches 100; An alert-message is sent to user John (« Storekeeper »).

#### 4.2 Alerts over Time-Period

A time-period is defined by a starting-date and an endingdate (dates are from the "gregorian" calendar).

An alert aver a time-period (T) is a message that is generated, sent to a pre-determined user, and kept within YEROTH-ERP-3.0 from T's starting-date up to T's endingdate.

For example, an alert with a message has to be sent to Paul (« Cashier ») when the date of May  $05^{th}$  is reached. The alert message specifies that a rebate of 20% has to be applied on every sale of yoghourt 'trèsbon' during a time interval of 2 weeks.

#### 5 **Database** Management System

YEROTH-ERP-3.0 uses 'MariaDB' as the standard DBMS. 'MariaDB' is very stable, very performant, and freesoftware.

#### Conclusion 6

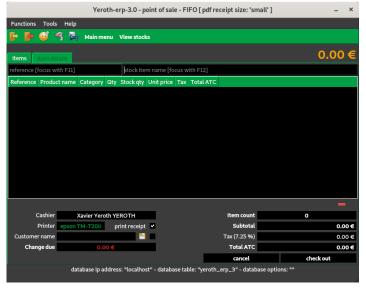


Figure 3: Point-of-sale window.