

ENTERPRISE RESOURCE PLANNING USING ODOO ERP – AN OPEN SOURCE ERP SOFTWARE



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Profile



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- University: Petra Christian University, Surabaya-Indonesia
- Department: Informatics
- Research Interest: Information System, ERP

ERP

A business process management software that allows an organization to use a **system** of integrated applications to manage the business and automate many back office functions related to technology, services and human resources.



ERP Benefits

TOP BENEFITS OF IMPLEMENTING ERP SOFTWARE

SECURITY & Regulatory Compliance

Keep data safe and regulated with built-in protections.



Eliminate redundant processes and tasks through automation.



PRODUCTIVITY

STREAMLINE Processes & Efficiency

Automate all business operations cross-departmentally.



FOSTERS GROWTH

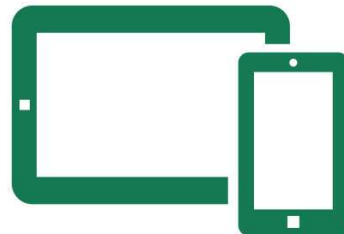


Competition

Stay on top of technology solutions, ahead of your competition.



Mobility and Flexibility



SAVE



MONEY!

INTEGRATED INFORMATION

All customer and financial data, housed in one location.



Centralized data will bolster interdepartmental collaboration.

Collaboration

Work from home, your office, or anywhere with a mobile-friendly solution.

CUSTOMER SERVICE



Faster, more accurate access to customers' information and history.

Forecasting



& Reporting

ERP Module

Supply Chain Management

- *Multi Invoices
- *Shipping & Receiving



Inventory Control

- *Stock Tracking
- *Transaction Log
- *Multi Locations
- *Real Time Process Monitoring



Marketing Control

- *Monitoring Operations On Daily Basis
- *Track Potential Clients
- *Daily Sales Report



Product Life Cycle Management

- *Raw Material Handling
- *Products Active / Inactive
- *Multi Units
- *Multi Packs



Order Management

- *Sales Orders
- *Purchase Orders
- *Work Orders

ERP



Customer Relationship Management

- *Track Customer



Reports

- *Trial Balance
- *Profit & Loss Statement
- *Balance Sheet



E-Commerce



Finance & Accounting

- *Accounts Receivable
- *Accounts Payable
- *Expense Tracking
- *Fixed Assets
- *Purchasing
- *Financial Reporting
- *Bank Reconciliation
- *Payroll
- *Debit Note
- *Credit Note
- *Loans
- *Insurances
- *Time & Attendance
- *Customer Deposits
- *General Ledger



ERP Vendors



Odoo ERP Software



- An all-in-one management software that offers a range of business applications that form a complete suite of enterprise management applications.
- The Odoo solution is ideal for SMEs, but fits both small and large companies alike.
- Odoo is an all-in-one business software capable of covering all business needs, including CRM, Website/e-Commerce, billing, accounting, manufacturing, warehouse- and project management, and inventory, all seamlessly integrated.

Odoo ERP Software

- In 2005, Fabien Pinckaers, the founder and current CEO of Odoo, started to develop his first software product, TinyERP.
- In 2009, becomes OpenERP and in 2014, becomes Odoo
- From inception, Odoo S.A / OpenERP S.A have released software as Open Source but starting with the V9.0 release, the company has transitioned to an open core model which provides subscription-based proprietary Enterprise software and cloud-hosted Software as a service, and a cut-down community version.
- There are 2 kinds of solutions: On-premise and Hosting in the cloud.
 - On-premise means the server is running locally and implement the software on the server directly. First, set-up Odoo database, install Odoo and make a basic configuration of the system according to the requirements.
 - The cloud hosting software as a service concept offers an attractive solution to rent the software and pay per month.
- The main Odoo components are the OpenObject framework, about 30 core Module (also called official Module) and more than 3000 community Module.
- There 2 types of edition: Community edition and Enterprise Edition
With Odoo Enterprise we have access to additional services, modules and features in order to improve the usability of our system. The Enterprise version can be installed with Odoo hosting and on premise offer
- Odoo also offers a completely free programme called Odoo Education, which allows teachers and/or students to create an Odoo database for academic purposes.
- Odoo uses Python scripting and Postgres database. A development repo is on GitHub.

Odoo Modules

Accounting



CRM



Sales



Website



eCommerce



Discuss



Purchase



Inventory



Manufacturing



Point of Sale



Project



Expenses



Odoo Modules

Odoo Enterprise Modules

- Sales
- Purchase
- Services Management
- Invoicing
- Point of Sales

Odoo Human Resources Management (HRM) Apps

- Expenses
- Skills Management
- Holidays
- Attendances

Odoo Logistics Management

- Warehouse Management
- Shipping Management
- Manufacturing
- Quality & Repairs
- Products and pricelists

Odoo Accounting & Finance Modules

- Accounting
- Analytic Accounting
- Budgets
- Payments Management
- Asset Management
- Bank interfaces

Odoo Modules

Odoo CRM Modules

- Customer Relationship Management.
- Lead Management/ Opportunity Tracking
- Mail Gateways
- Direct Marketing
- Phone Calls
- Calendars

Odoo Project Management

- Operational Management

- Financial Management

- Timesheets

- JIT

Odoo eCommerce Management Modules

- Magento Integration

- eBay Integration

- Amazon.com Integration

- Channel Advisor Integration

- Shipping & Payments integration

Odoo Sales

Easy quotation software

Send polished quotation with e-Signature and online payment.

The screenshot shows a web interface for a quotation. On the left is a sidebar with navigation links: 'Accept Order', 'Ask Changes or Reject', 'Introduction', 'Your Quotation SO051', 'Our Partnership Offer', 'Online Training + Certification', 'Technical Training', 'Pricing', 'Suggested Products', and 'History'. Below these is a countdown timer 'This offer expires in 45 days' and a price comparison 'Your advantage: \$ 11,655.00 \$ 12,950.00'. The main content area is titled 'Quotation SO051' and includes 'Edit Quote' and 'Print' buttons. It contains a table with columns: Products, Quantity, Taxes, Discount, Unit Price, and Price. The table lists 'Functional Training' (1,000 units, 10.0% discount, \$12,950.00 unit price, \$11,655.00 total) and 'Technical Training' (1,000 units, \$0.00 unit price, \$0.00 total). A 'Subtotal' of \$11,655.00 and 'Taxes' of \$0.00 are shown, leading to a 'Total' of \$11,655.00. Below the table is a 'Suggested Products' section with a table listing 'Advanced CRM Functional' (10% discount, \$9,000.00 unit price, \$100.00 total). At the bottom are 'Accept', 'Feedback', and 'Reject' buttons.

Products	Quantity	Taxes	Discount	Unit Price	Price
Functional Training	1,000 Unit(s)		10.0% discount	\$12,950.00 11655.00	\$ 11,655.00
Technical Training	1,000 Unit(s)			\$ 0.00	\$ 0.00
				Subtotal:	\$ 11,655.00
				Taxes:	\$ 0.00
				Total:	\$ 11,655.00

Products	Description	Price
Advanced CRM Functional	Advanced CRM Functional	10% discount \$ 9,000.00 \$100.00

Odoo Sales

Your quotes online from proposal to eSignature



Sell faster with electronic signatures

Allow customers to easily review and sign your online quotations from anywhere.



Communicate quickly and efficiently

Get custom alerts for relevant activities, automatically communicate on the quote via email, have a traceability of the negotiation.



Maximize profits by upselling

Increase sales volume by automatically proposing extra options and accessories, apply closing triggers, discounts, and more.

Odoo CRM

The real customer centric CRM

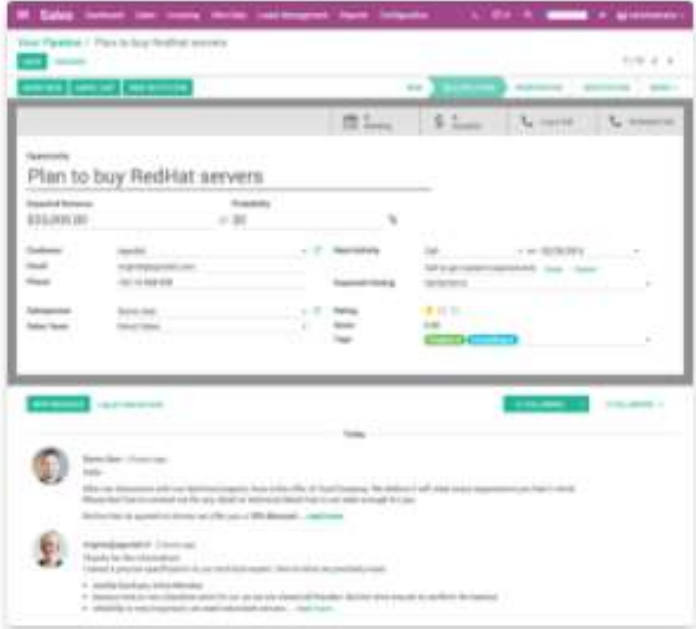
Track leads, close opportunities and get accurate forecasts.

The screenshot displays the Odoo CRM Sales Pipeline interface. The top navigation bar includes 'Sales', 'Dashboard', 'Sales', 'Invoicing', 'After Sale', 'Leads Management', 'Reports', and 'Configuration'. The user is logged in as 'Administrator' with 25 notifications. The main area is titled 'Your Pipeline' and features a 'CREATE' button. The pipeline is divided into six stages: New, Qualification, Proposition, Negotiation, and Won. Each stage contains a grid of lead cards. Each card displays the lead title, value, contact name, date, and communication method. A tooltip is visible over a lead in the Negotiation stage.

Stage	Lead Title	Value	Contact	Date	Method
New	Interest in your Graphic Design Project	24,000.00€	Agrolab	02/14/2016	Email
	Plan to buy 60 keyboards and mouses	40,000.00€		02/14/2016	Task
	Need 20 Days of Consultancy	90,000.00€		02/13/2016	Email
Qualification	Pricing information of Services	1,000.00€		02/10/2016	Email
	Trainee's training plan in your Organization	15,000.00€	Delta PC	02/12/2016	Call
	Need script to import external data	3,900.00€	Camptocamp		Email
Proposition	"Resource Planning" project development	9,000.00€	Delta PC		Task
	Interest in your customizable Pcs	15,000.00€	Camptocamp	02/09/2016	Call
	Would appreciate more information about your products	11,000.00€	Agrolab	02/11/2016	Email
Negotiation	Need a new design for my website	2,800.00€	Delta PC	02/13/2016	Task
	Need to customize the solution	4,800.00€		02/11/2016	Call
Won	Interest in your Partnership Contract	15,900.00€	China Expert		Call
	Want to subscribe to your online solution	2,000.00€	Think Big Systems	02/12/2016	Email

Odoo CRM

Great Tool = Happy People



Automate activities based on your sales scripts: calls, meetings, mails and quotations. Get all information you need, right on the opportunity page viewed, mails received, etc.



Odoo eCommerce

Modern Open Source Online Store

Awesome product pages. Mobile friendly. Easy.



Odoo Integration with eBay



- Publish your products on eBay
- Keep your stock updated
- Automatic creation of sale orders and invoices
- Automatic creation of customers
- Fully integrated with Odoo
- Increase sales opportunities
- Keep track of eBay sales
- Allowed auction sales

Odoo Integration with eBay

Without eBay integrator

Create product on eBay



Create product in Odoo



Manage the sale in eBay



Create the sale in Odoo



When paid, create the invoice in Odoo

With eBay integrator

Create product on Odoo



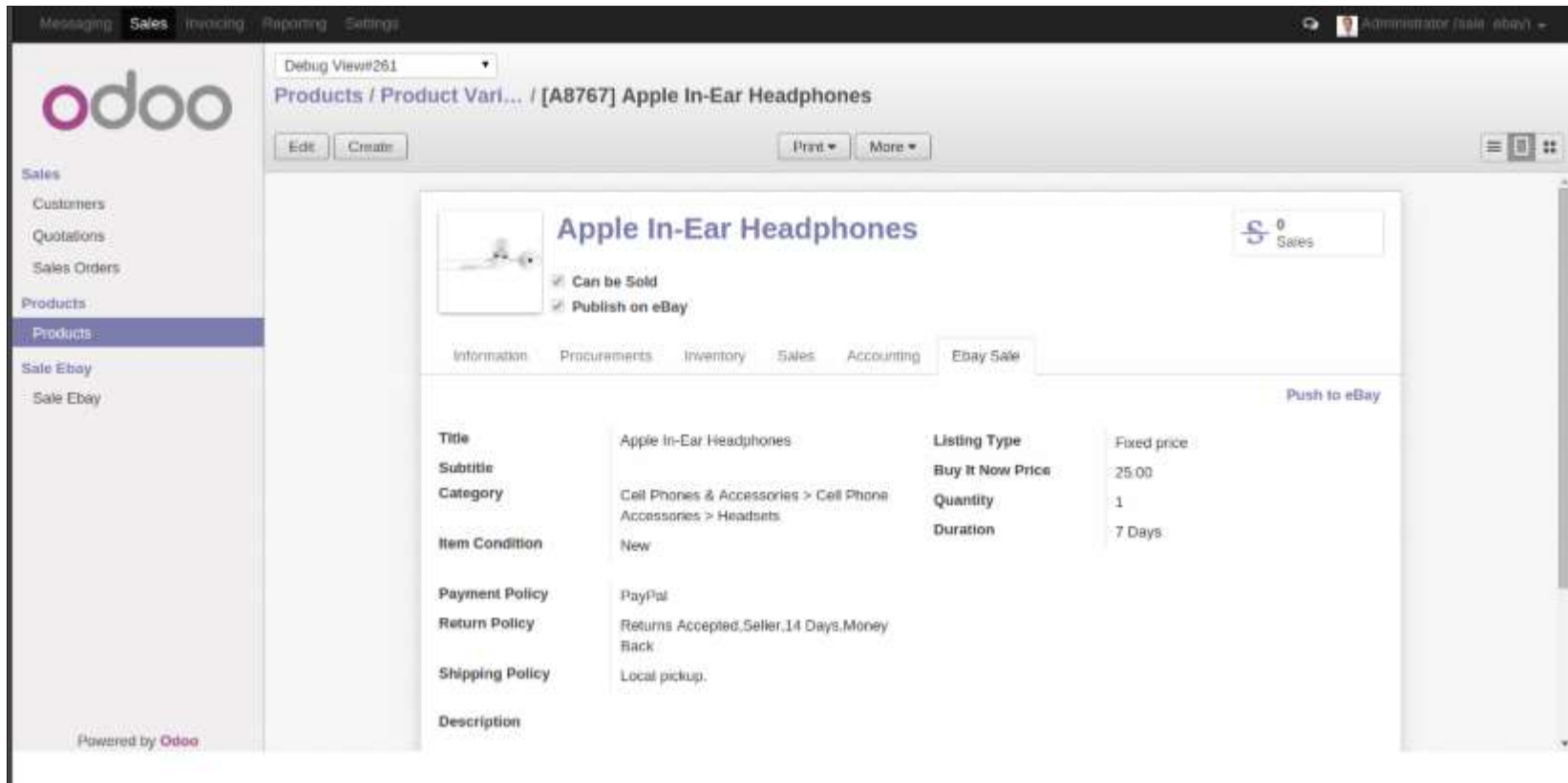
Synchronize with eBay



Manage the sale in Odoo

Odoo Integration with eBay

How it works?



The screenshot displays the Odoo Product Form for 'Apple In-Ear Headphones'. The interface includes a top navigation bar with 'Sales' selected, a sidebar menu, and a main content area. The product is configured for eBay integration with the following details:

Field	Value
Title	Apple In-Ear Headphones
Subtitle	
Category	Cell Phones & Accessories > Cell Phone Accessories > Headsets
Item Condition	New
Payment Policy	PayPal
Return Policy	Returns Accepted, Seller, 14 Days, Money Back
Shipping Policy	Local pickup.
Description	
Listing Type	Fixed price
Buy It Now Price	25.00
Quantity	1
Duration	7 Days

Additional settings shown include 'Can be Sold' and 'Publish on eBay' (both checked), and a 'Push to eBay' button. The sales count is currently 0.



Some Odoo Projects

1. Odoo ERP Module: Travel Agent

Airlines Train Hotel

1 Flight Destination

From:  Soekarno Hatta Intl - Jakarta (CGK)

To:  Tokyo Intl - Tokyo (HND)

2 Date of Flight


Departure Date:  22-Sep-2017

Return Date:  19-Oct-2017

Choose Your Ticket: Return

3 Search Flights


Adult:  1

Child:  0

Infant:  0

Airline: Choose Airline


Seat Class: All

 Search for ticket

NEWS AND UPDATE
OUR LATEST NEWS AND PROMOTIONS


SURABAYA - BALI
(Pergi-Pulang)

mulai
Rp. **610** .000

 Buy now

CRAZY DEAL !!

Airasia
Periode Terbang s.d Apr 2018




3H2M cuma Rp. 1.229.000

Midtown Residence Marvell City Surabaya
Periode Inap hingga 5 July 2017

SURABAYA - BALI
(Pergi-Pulang)

mulai
Rp. **610** .000

 Buy now

CRAZY DEAL !!

Airasia
Periode Terbang s.d Apr 2018

1. Odoo ERP Module: Travel Agent

This booking system integrates with Abacus/ Sabre – a popular Global Distribution System/ GDS to have real-time inventory and best prices.

The system also supports multiple currencies and multiple payment gateways.

GDS are server-hosted web services that offer deals on booking of travel products like flights, hotels, transfers and holiday packages around the globe. A GDS system is a search based system that allows users to look for travel products from the suppliers around the world and the system will return results with real time pricing and availability comparisons. Users can book and process the travel deals that best suits their requirement.

1. Odoo ERP Module: Travel Agent (cont')

The screenshot displays three flight options for a round trip from Jakarta (CGK) to Tokyo (HND) and back. Each option is presented in a card format with a logo, flight details, transit information, and pricing.

Option	Outbound Flight (CGK to HND)	Inbound Flight (HND to CGK)	Transit	Price
1	Jakarta - Soekarno Hatta Intl 23:35 Friday, 22-09-2017	Tokyo - Tokyo Intl 08:50 Saturday, 23-09-2017	Transit : 0 Direct	Combo Price! 4.900.000
2	Jakarta - Soekarno Hatta Intl 05:15 Friday, 22-09-2017	Tokyo - Tokyo Intl 21:35 Friday, 22-09-2017	Transit : 1	Combo Price! 5.200.000
3	Jakarta - Soekarno Hatta Intl 00:05 Friday, 22-09-2017	Tokyo - Tokyo Intl 22:55 Friday, 22-09-2017	Transit : 1	Combo Price! 5.200.000

Each card also includes a return flight schedule and a 'Choose' button. The first card is for Garuda Indonesia, the second for Lion Air, and the third for Citilink.

1. Odoo ERP Module: Travel Agent (cont')

Cathay Pacific CX 752		Depart	
CGK Jakarta - Soekarno Hatta Intl	HKG Hong Kong - Hong Kong Intl		
Schedule departure 05:15 Friday, 22-09-2017	Schedule arrival 11:05 Friday, 22-09-2017		
Terminal 2	Terminal 1		
Transit : 5h 20m			
Cathay Pacific CX 542		Depart	
HKG Hong Kong - Hong Kong Intl	HND Tokyo - Tokyo Intl		
Schedule departure 16:25 Friday, 22-09-2017	Schedule arrival 21:35 Friday, 22-09-2017		
Terminal 1	Terminal 1		
Transit : 10h 25m			
Cathay Pacific CX 5397		Return	
HND Tokyo - Tokyo Intl	HKG Hong Kong - Hong Kong Intl		
Schedule departure 01:55 Thursday, 19-10-2017	Schedule arrival 05:35 Thursday, 19-10-2017		
Terminal 1	Terminal 1		
Operated by: Dragonair			
Cathay Pacific CX 719		Return	
HKG Hong Kong - Hong Kong Intl	CGK Jakarta - Soekarno Hatta Intl		
Schedule departure 16:00 Thursday, 19-10-2017	Schedule arrival 19:45 Thursday, 19-10-2017		
Terminal 1	Terminal 2		
V / 9 0 5.200.000			

1. Odoo ERP Module: Travel Agent (cont')

Your current session time: 09:11

Soekarno Hatta Intl - Jakarta (CGK)  Tokyo Intl - Tokyo (HND)

Fri, 22 Sep 2017


Thu, 19 Oct 2017

[Change Search](#)

1 | Choose Departure Flight

Filter

Airlines 


Transit 


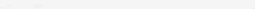




Sort

Departure 

Arrival 

Price 



CGK    HND
Jakarta - Soekarno Hatta Intl
05:15
Friday, 22-09-2017
19:45    HND
Tokyo - Tokyo Intl
21:35
Friday, 22-09-2017
01:55
Thursday, 19-10-2017




Transit : 1

Combo Price!
5.200.000

[Choose](#)

[Details](#) [Fare Basis](#)

Cathay Pacific CX 752 **Depart**

CGK    HKG
Jakarta - Soekarno Hatta Intl
Hona Kona - Hona Kona Intl

DEPARTURE FLIGHT

CGK



HND

Jakarta
05:15

Fri, 22 Sep 2017

1 x ADT @ 3.200.000

Total Tax

Sub Total

Tokyo
19:45

Thu, 19 Oct 2017

3.200.000

1.236.300

6.436.300

Total

6.436.300

[Copy](#)

[Show Commission](#)

Account Code

Cathay Pacific

[Lanjut ke pemesanan](#)

1. Odoo ERP Module: Travel Agent (cont')

Booker Information

* Title

* First name and middle name (if any)

As on Identity Card or Passport without title and punctuation

* Last name

As on Identity Card or Passport without title and punctuation

* Nationality

* Contact Email Address

Example: email@example.com

* Contact Mobile

Example: +62812345678

Do you book this flight for you?

No - Yes

Passenger Data

- Caution: the name of the passenger must be right and appropriate with international passport, and domestic route can match with KTP/Passport/SIM
- Passenger data can't be changed after the passing of this page

Adult Passenger 1 (12 years old and older)

* Title

* First name and middle name (if any)

As on Identity Card or Passport without title and punctuation

* Last name

As on Identity Card or Passport without title and punctuation

* Nationality

* Birth Date


Passport Number

Passport Expiry Date

Country of Issue

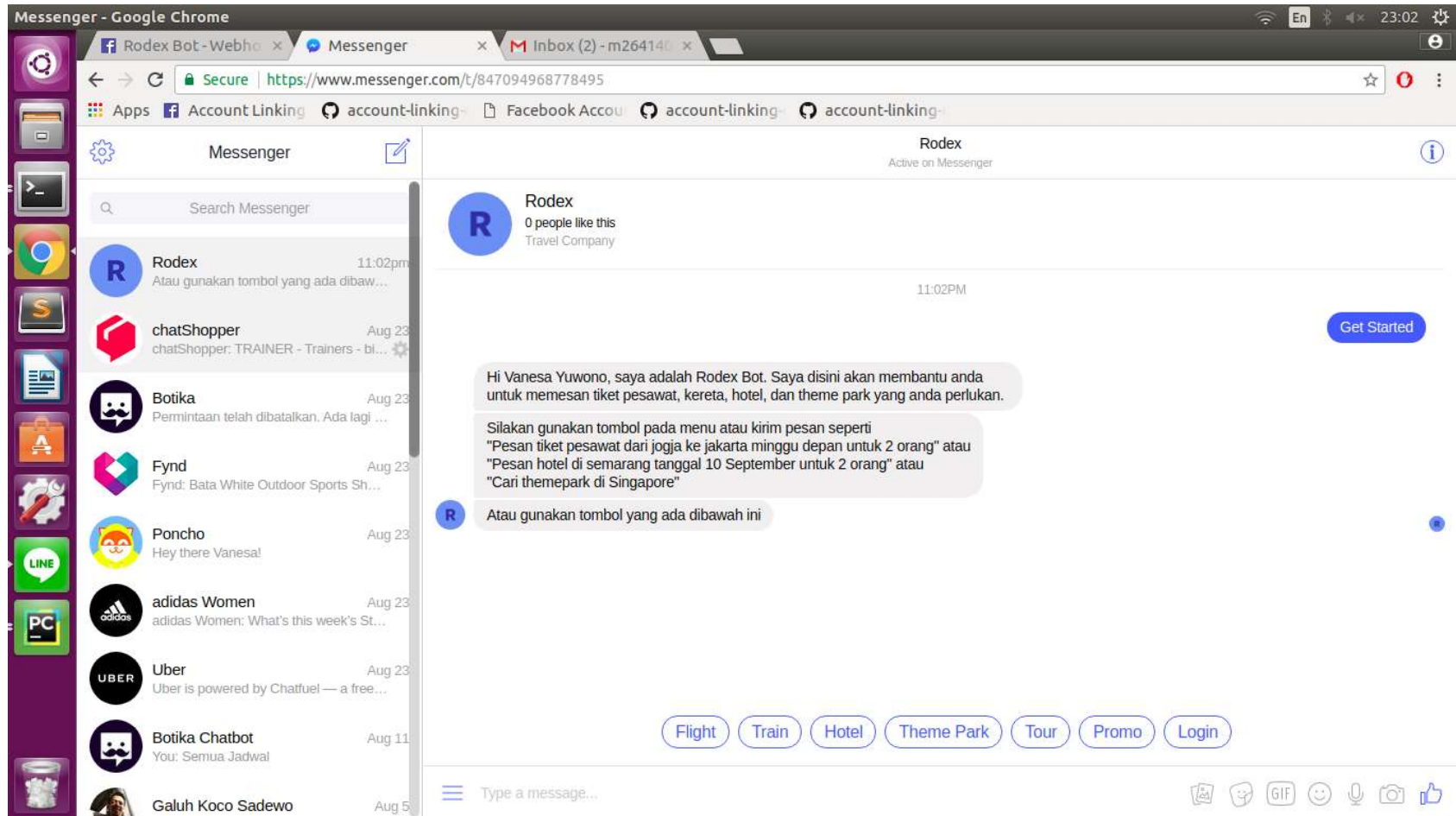
Lanjut ke Pemesanan

DEPARTURE FLIGHT

CGK Jakarta 05:15 Fri, 22 Sep 2017		HND Tokyo 19:45 Thu, 19 Oct 2017
1 x ADT @ 5.200.000		5.200.000
Total Tax		1.236.300
Sub Total		6.436.300

Total **6.436.300**

1. Odoo ERP Module: Travel Agent (cont')



The screenshot displays a web browser window with the Messenger interface. The browser tabs include 'Rodex Bot - Webho...', 'Messenger', and 'Inbox (2) - m264140...'. The address bar shows the URL 'https://www.messenger.com/t/847094968778495'. The Messenger interface features a left sidebar with a search bar and a list of contacts, including 'Rodex', 'chatShopper', 'Botika', 'Fynd', 'Poncho', 'adidas Women', 'Uber', 'Botika Chatbot', and 'Galuh Koco Sadewo'. The main chat area shows a conversation with 'Rodex', a travel company. The bot's message reads: 'Hi Vanesa Yuwono, saya adalah Rodex Bot. Saya disini akan membantu anda untuk memesan tiket pesawat, kereta, hotel, dan theme park yang anda perlukan. Silakan gunakan tombol pada menu atau kirim pesan seperti "Pesan tiket pesawat dari jogja ke jakarta minggu depan untuk 2 orang" atau "Pesan hotel di semarang tanggal 10 September untuk 2 orang" atau "Cari themepark di Singapore"'. Below the message is a 'Get Started' button and a menu with buttons for 'Flight', 'Train', 'Hotel', 'Theme Park', 'Tour', 'Promo', and 'Login'. The bottom of the chat area has a text input field with the placeholder 'Type a message...' and various icons for sending messages, including emojis, GIFs, and photos.

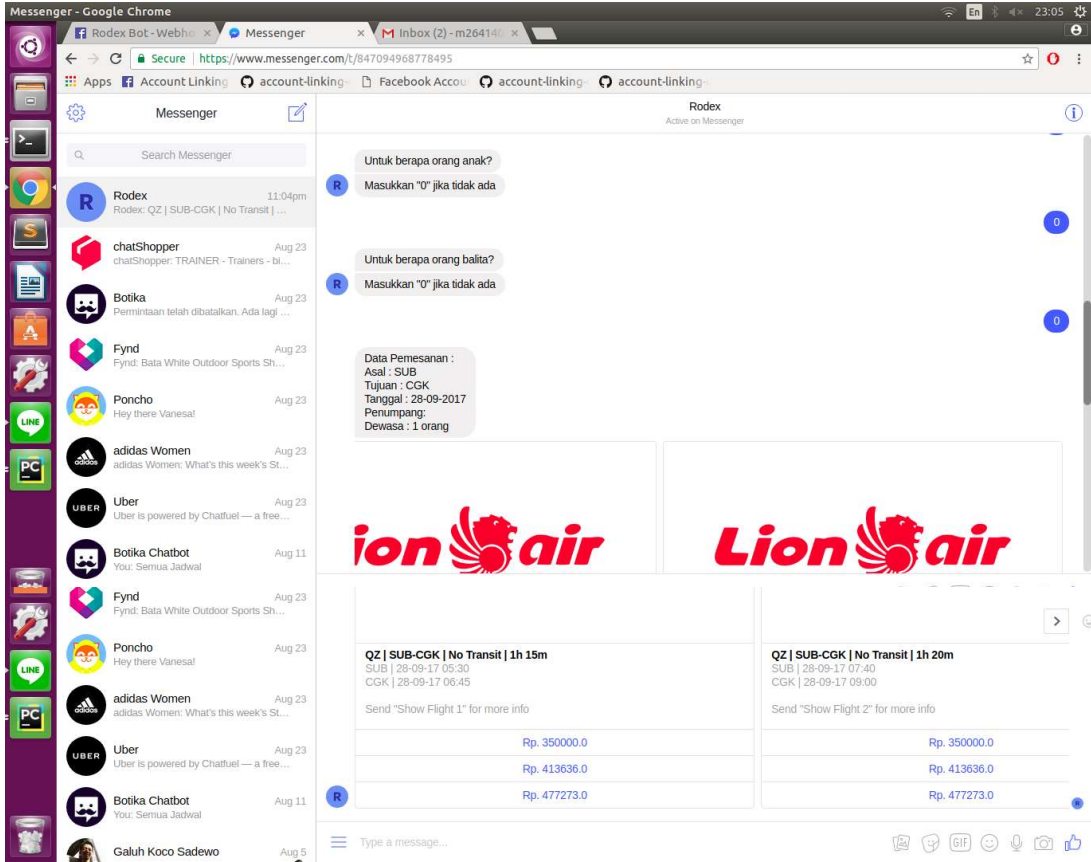
1. Odoo ERP Module: Travel Agent (cont')

The screenshot displays a web browser window with the Messenger interface. The browser tabs include 'Rodex Bot - Webho...', 'Messenger', and 'Inbox (2) - m264140...'. The address bar shows a secure connection to 'https://www.messenger.com/t/847094968778495'. The Messenger interface features a left sidebar with a search bar and a list of contacts, including 'Rodex', 'chatShopper', 'Botika', 'Fynd', 'Poncho', 'adidas Women', 'Uber', 'Botika Chatbot', and 'Galuh Koco Sadewo'. The main chat area is titled 'Rodex' and shows a conversation with the following messages:

- Rodex: Penerbangan dari mana?
- sub
- Rodex: Penerbangan ke mana?
- cgk
- Rodex: Penerbangan untuk kapan?
- Contoh:
"1 Januari 2017"
"Bulan Depan"
"2 Minggu Depan"
"Besok"
- minggu depan
- Rodex: Untuk berapa orang dewasa?
- 1
- Rodex: Untuk berapa orang anak?
- Rodex: Masukkan "0" jika tidak ada

The bottom of the chat area includes a text input field with the placeholder 'Type a message...' and various icons for attachments, emojis, GIFs, voice recording, and video recording.

1. Odoo ERP Module: Travel Agent (cont')



2. Odoo ERP Module: Human Resource

The screenshot shows the Odoo ERP interface with the 'Local Modules' page. The left sidebar contains navigation options: Modules, Local Modules (selected), Apps, Updates, Users, Users, Translations, and Load a Translation. The main content area displays a grid of 20 modules, each with an icon, a title, a brief description, and an 'Install' button. The modules are:

- CRM**: Leads, Opportunities, Phone Calls. **Install**
- Social Network**: Discussions, Mailing Lists, News. **Install**
- Online Billing**: Send Invoices and Track Payments. **Install**
- Point of Sale**: Antarmuka Layer Sentuh untuk Toko. **Install**
- Project Management**: Projects, Tasks. **Install**
- Notes**: Sticky notes, Collaborative, Memos. **Install**
- Issue Tracking**: Support, Bug Tracker, Helpdesk. **Install**
- Accounting and Finance**: Financial and Analytic Accounting. **Install**
- Survey**: Create surveys, collect answers and print statistics. **Install**
- Managemen Penjualan**: Quotations, Sales Orders, Invoicing. **Install**
- Warehouse Management**: Inventory, Logistic, Storage. **Install**
- Instant Messaging**: OpenERP Chat. **Installed**
- MRP**: Manufacturing Orders; Bill of Materials, Routing. **Install**
- Manufacturing Extend**: Manufacturing Extend. **Install**
- Purchase Management**: Purchase Orders, Receipts, Supplier Invoices. **Install**
- Employee Directory**: Jobs, Departments, Employees Details. **Install**
- Timesheets**: Timesheets, Attendances, Activities. **Install**
- Recruitment Process**: Jobs, Recruitment, Applications, Job Interviews, Surveys. **Install**
- Leave Management**: Holidays, Allocation and Leave Requests. **Install**
- Expense Tracker**: Expenses Validation, Invoicing. **Install**
- Employee Appraisals**: Periodical Evaluations, Appraisals, Surveys. **Install**
- Calendar**: Personal & Shared Calendar. **Install**
- Address Book**: Contacts, People and Companies. **Install**
- Gamification**: **Install**

Powered by Odoo

2. Odoo ERP Module: Human Resource (cont')



Penjadwalan Karyawan

By Vincent K Edison

Install

Mengatur jadwal kerja karyawan.

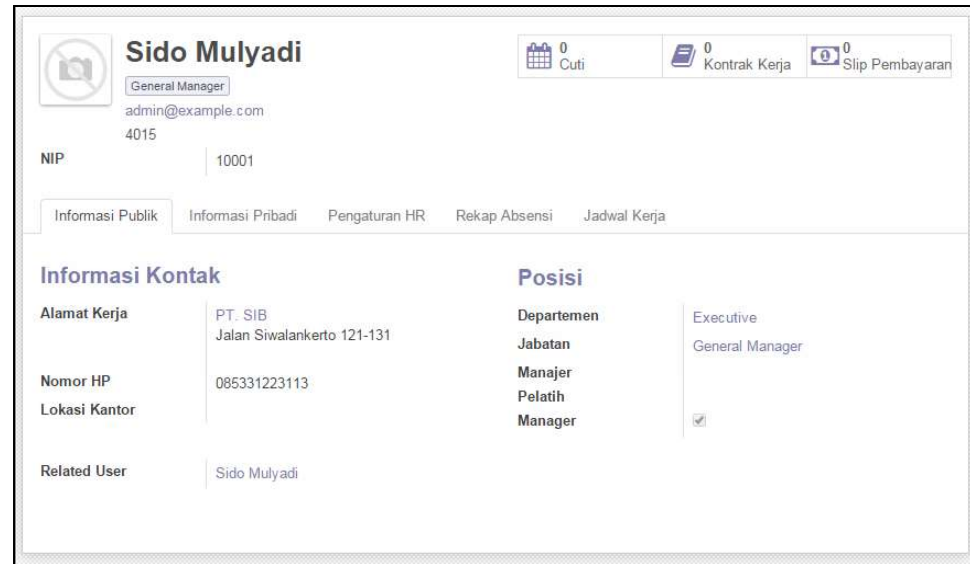
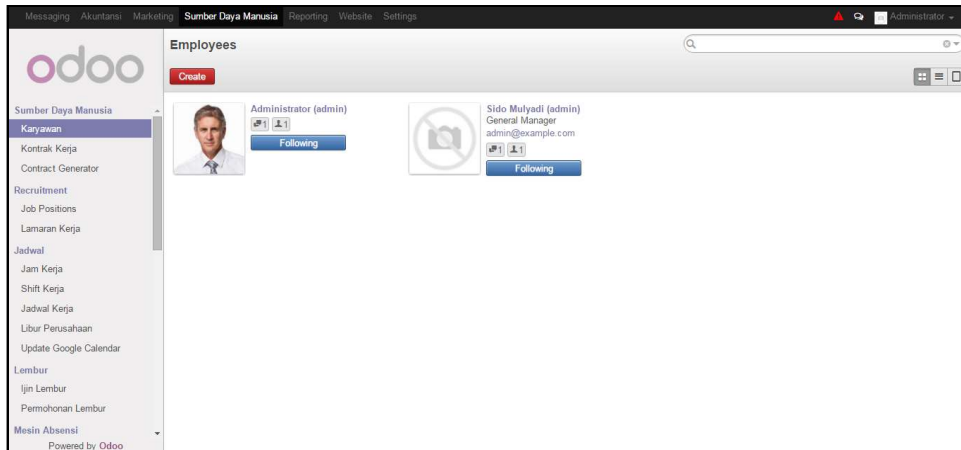
Aplikasi ini memungkinkan anda untuk mengatur:

1. Jam Kerja Karyawan
2. Shift Kerja Karyawan
3. Jadwal Kerja Karyawan
4. Hari Libur Perusahaan (Link dengan google calendar

<http://www.google.com/calendar/feeds/in.indonesian%23holiday@group.v.calendar.google.com/public/basic>)

- Menambahkan kolom NIP dan Jadwal Kerja di form pegawai

2. Odoo ERP Module: Human Resource (cont')



2. Odoo ERP Module: Human Resource (cont')

PT X Surabaya
 Jalan Sivalankerto 121-131

Global PVC Leather Company

Laporan Kehadiran Harian

01/09/2015 - 30/09/2015

Karyawan	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Hari	Hadir	Cuti	Alpha	Telat	P.Cpt	Kerja (%)
	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed							
Warehouse	A	A	A	A	A		A	A	A	A	A	A		A	A	A	A	A	A		A	A	A	A	A	A	A	A	A	26.0	0.0	0.0	26.0	0.0	0.0	0.0	
Ahmad Zainuddin	A	A	A	A	A		A	A	A	A	A	A		A	A	A	A	A	A		A	A	A	A	A	A	A	A	A	26.0	23.0	2.0	1.0	2.0	1.0	88.5	
Muknaji Gunawan	A						T							P			T							C	C												
Nanang Prakoso	A	A	A	A	A		A	A	A	A	A	A		A	A	A	A	A	A		A	A	A	A	A	A	A	A	A								

Muknaji Gunawan

9 Slip Gaji

Jenis Slip	Periodik		
Date	01/09/2015 - 30/09/2015	Kontrak Kerja	Kontrak Kerja Muknaji Gunawan sebagai Warehouse Manager
Reference	SI IP/021	Structure	Struktur Gaji Umum
	aji Muknaji Gunawan untuk ember-2015	Credit Note	<input type="checkbox"/>

Employee P... / Slip gaji khusus Muknaji Gunawan

or Discard

Karyawan: **Muknaji Gunawan** 1 Slip Gaji

Jenis Slip: **Khusus**

Date: Kontrak Kerja:

Reference: Structure:

Payslip Name: Credit Note:

Worked Days & Inputs:

Nama	Kode	Kategori	Jumlah	Rate (%)	Jumlah	Total
Gaji Pokok	BASIC	Pokok	1,00	100,0000	4250000,00	4250000,00

Add an Item

Kode	Kategori	Jumlah	Rate (%)	Jumlah	Total
BASIC	Pokok	1,00	100,0000	4250000,00	4250000,00
OVERTIME_SAL	Pokok	1,00	100,0000	319364,16	319364,16
TUN_JAB	Tunjangan	1,00	100,0000	650000,00	650000,00
ABSENT_DED	Potongan	1,00	100,0000	141666,67	141666,67
LATEDEDSUM	Potongan	1,00	100,0000	130000,00	130000,00
EARLY_LEAVE_DED	Potongan	1,00	100,0000	11054,91	11054,91
GROSS	Kotor	1,00	100,0000	4936642,58	4936642,58
NETPPH	Pajak Penghasilan	1,00	100,0000	91723,94	91723,94
NET	Bersih	1,00	100,0000	4844918,64	4844918,64

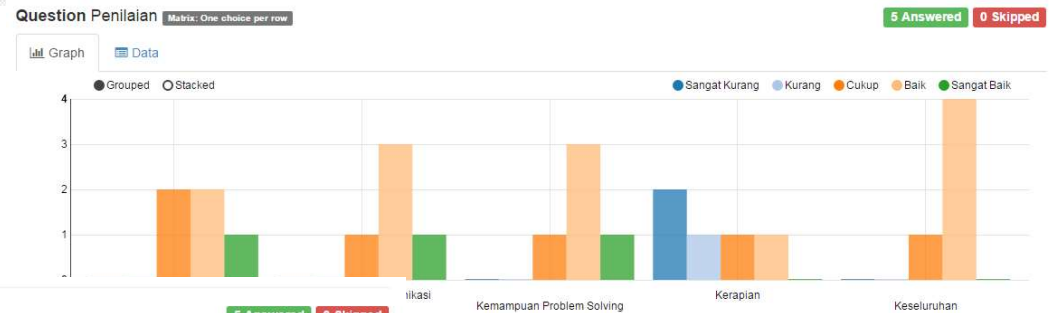
2. Odoo ERP Module: Human Resource (cont')

Hasil Evaluasi

Muknaji Gunawan

Deadline: 30/11/2015
Form Penilaian: Form Penilaian 360 2015

Penilai	State
Sido Mulyadi	Draft
Bambang Susanto	Draft
Anita Faiza	Draft
Ahmad Zainuddin	Draft
Nanang Prakoso	Draft



Question Penilaian Matrix: One choice per row

5 Answered 0 Skipped

Graph Data

	Sangat Kurang	Kurang	Cukup	Baik	Sangat Baik
Kedisiplinan	0.0 % 0	0.0 % 0	40.0 % 2	40.0 % 2	20.0 % 1
Kemampuan Berkomunikasi	0.0 % 0	0.0 % 0	20.0 % 1	60.0 % 3	20.0 % 1
Kemampuan Problem Solving	0.0 % 0	0.0 % 0	20.0 % 1	60.0 % 3	20.0 % 1
Kerapian	40.0 % 2	20.0 % 1	20.0 % 1	20.0 % 1	0.0 % 0
Keseluruhan	0.0 % 0	0.0 % 0	20.0 % 1	80.0 % 4	0.0 % 0

3. Odoo ERP Module: Business Intelligence

- Odoo Data Mining Module using Market Basket Analysis using FP-Growth algorithm to find products that are purchased simultaneously. Example, if people bought sugar, what is the probability of buying coffee too.
- Useful for company to improve the company's business strategy analysis and also equip the Odoo features by adding this module.

3. Odoo ERP Module: Business Intelligence

Setting

Data Range

Start Date: 01/01/2009

End Date: 02/01/2015

Default time filter: monthly

Start Month: June

End Month: October

Start Day: 01

End Day: 31

Support

Minimum Support: 0.20 %

Dimension

Pilihlah dimensi yang ingin diproses, dan isilah minimum confidence yang dikehendaki.

Product:

Customer:

Year:

Month:

Minimum Confidence:

Order Reference	Date	Customer
SO150100003	01/01/2015 14:11:19	NINIK
SO150100007	01/01/2015 14:13:41	BECKY
SO150100009	01/01/2015 14:14:37	BUDIMAN
SO150100013	01/01/2015 14:03:25	MARCUS
SO150100015	01/01/2015 14:21:29	KRISTANTO
SO150100019	01/01/2015 14:36:58	ABRAHAM
SO150100025	01/01/2015 15:00:00	STEVENSON

ETL

3. Odoo ERP Module: Business Intelligence

Generate FP-Tree

Table Rule

<input type="checkbox"/>	Antecedent	Consequent	Support	Confidence
<input type="checkbox"/>	product TELUR HORN CURAH,	product GULA PASIR,	0.25	6.01
<input type="checkbox"/>	product GULA PASIR,	product TELUR HORN CURAH,	0.25	6.92
<input type="checkbox"/>	product INDOMIE GORENG SPESIAL 80GR,	product TELUR HORN CURAH,	0.23	6.94
<input type="checkbox"/>	product TELUR HORN CURAH,	product INDOMIE GORENG SPESIAL 80GR,	0.23	5.46
<input type="checkbox"/>	product INDOMIE GORENG SPESIAL 80GR,	product INDOMIE KARI AYAM 70GR,	0.25	7.64
<input type="checkbox"/>	product INDOMIE KARI AYAM 70GR,	product INDOMIE GORENG SPESIAL 80GR,	0.25	27.50

The screenshot shows the Odoo FP-Tree interface. On the left is a sidebar menu with the following items: Frequent Item Set (Header Table, Update Header Table, P Header Table, Update P Header Table), FP Tree Menu (Fp-Tree, Update FP Tree), Conditional Pattern Base, Generated Frequent It..., Rule (Update Rule, Combination Rule, Table). The main display area, titled 'FP-Tree', shows a tree structure with the following nodes: /-10639, 5.0; |-10623, 9.010449, 1.0-10361, 1.0; |-10411, 5.010331, 1.0-10486, 1.0; |-10513, 6.0; |-10348, 6.0-10523, 1.0; /-10511, 1.0; ||-10537, 1.0; ||-10390, 1.0; ||-10601, 1.0-10552, 1.0; ||-10505, 1.0.

3. Odoo ERP Module: Business Intelligence

(cont')

The image displays two screenshots of the Odoo Business Intelligence (BI) interface. The top screenshot shows the 'Narrative Rule' configuration screen, and the bottom screenshot shows the 'Table Rule' configuration screen.

Narrative Rule Configuration:

- Sentence 1:** Jika terdapat transaksi dengan nama barang TELUR HORN CURAH, maka ada kemungkinan kecil pelanggan juga melakukan transaksi dengan nama barang GULA PASIR. Peluang terjadinya kejadian tersebut 0.25. Support: 0.25, Confidence: 6.01092896175.
- Sentence 2:** Jika terdapat transaksi dengan nama barang GULA PASIR, maka ada kemungkinan kecil pelanggan juga melakukan transaksi dengan nama barang TELUR HORN CURAH. Peluang terjadinya kejadian tersebut 0.25. Support: 0.25, Confidence: 6.91823899371.
- Sentence 3:** Jika terdapat transaksi dengan nama barang INDOMIE GORENG SPESIAL 80GR, maka ada kemungkinan kecil pelanggan juga melakukan transaksi dengan nama barang TELUR HORN CURAH. Peluang terjadinya kejadian tersebut 0.23. Support: 0.23, Confidence: 6.94444444444.

Table Rule Configuration:

- Group By:** XY
- Measures:** Support
- Chart Type:** Bar chart
- Legend:** product GULA PASIR, product INDOMIE GORENG SPESIAL 80GR, product TELUR HORN CURAH, product INDOMIE KARI AYAM 70GR.
- Value:** 0.2 on product INDOMIE GORENG SPESIAL 80GR, --> product TELUR HORN CURAH.

Table Rule Configuration (Detailed):

- Group By:** XY
- Measures:** Support
- Legend:** product GULA PASIR, product INDOMIE GORENG SPESIAL 80GR, product TELUR HORN CURAH, product INDOMIE KARI AYAM 70GR.
- Value:** 6.01 on product TELUR HORN CURAH, --> product GULA PASIR.

4. Odoo ERP Module: Church Information System

Data Jemaat Jemaat > Kegiatan > Badan Pelayanan > Konfigurasi >

Jemaat / Budy

Save Discard

Nama
Budy

Identitas

Nomor Induk: 1234
Nomor Induk Baru:
No. KTP: 14124146545659465
Jenis Kelamin: Laki-Laki
Telepon: 7391658
Handphone: 0813269762465
Email: budi@gmail.com
Fax: 7391659
Status: Menikah

Tempat Tinggal

Alamat: Jl. lingkari luar barat no.203
Surabaya
Lakarsantri Jawa Timur
Kelurahan1092381
RT1 RW234
1664
Sektor: Sektor1

Kelahiran

Akte Lahir: 01376946597967
Kota Lahir: Balikpapan
Tanggal Lahir: 07/05/1984
Umur: 33 Tahun 8 Bulan 17 Hari
Kelompok Umur: Dewasa
Meninggal:

Baptis

Baptis (Anak): 2017-07-13 [PendetaTest2]
Sidi: 2017-06-30 [PendetaTest1]

Keanggotaan Aktivitas Pelayanan Keluarga Pekerjaan Pendidikan Akte User

Keanggotaan

Gereja: GKI Manyar
Tanggal Jadi Jemaat: 07/13/2017
Masih Anggota Ibadah di GKI:
Jam ibadah: Ibadah Pagi
Pernah Daftar Pendeta:

Atestasi

Tanggal	Gereja Asal	Gereja Tujuan	Kode Atestasi	Tipe
Add an item				



THANK YOU