Implementation of Enterprise Resource Planning at Chic Boutique Fashion Store

Hildegardis Kristina Saka [1] Putri Taqwa Prasetyaningrum [2]
[1.2] Information Technology/Information Systems/Mercu Buana University Yogyakarta, Yogyakarta, Indonesia
e-mail: [1] 211210041@student.mercubuana-yogya.ac.id [2] Putri@mercubuana-yogya.ac.id

Submitted: April 30, 2025; accepted: May 30, 2026

Abstract

In this era filled with many digitally based activities, this indirectly encourages business people to step out of their comfort zones. One of them is the Chic Boutique Fashion Store. The Chic Boutique Fashion Clothes Store is a clothing store specializing in trendy, high-quality clothing. Chic Boutique has marketed its products online. However, this has not been considered effective because several work systems such as making billing receipts, cashiers, official Seller websites, have not used an adequate ERP system. Therefore, in this study, the application that can overcome the problems that occur is the Odoo ERP application. Odoo is an open-source ERP application that can be accessed via a website, which is suitable for use in new companies so that it can reduce costs for the application development process. The modules developed at the Chic Boutique Fashion Store include the Point of Sale Module, Website Module, Invoicing Module, Inventory Module, and Contacts Module.

Keywords : *Enterprise Resource Planning, Odoo , Sales, Invoicing, Inventory.*

1. Introduction

The development of technology in the era of society is very rapid, this is a challenge as well as a solution in dealing with problems in everyday life. The development of existing technology is directly proportional to the level of company productivity, considering the ease and benefits provided if successful in adopting technology in business [1].

Technology makes a solution that can be applied by companies considering the high level of competition today. This requires companies to immediately switch to technology, in addition to producing appropriate output or reports but also having the right accounting information system. The impact is that there is a decision-making that is appropriate for the sustainability of the company's activities in the future [2]. In addition, technology will facilitate the company's operational activities that were previously manual, took a long time and were prone to errors into a computerized system that is integrated with all data that is certainly easy to use, does not take a long time and others. One of the applications of a computerized system that is widely used is the accounting information system. There are many tools or ways to obtain an accounting information system, especially through Enterprise Resource Planning (ERP) [3].

ERP is a system model that integrates all systems or data in a company [4]. This allows easy access to up-to-date information for decision making. ERP models are widely developed because they can improve the efficiency of operational activities and the accuracy of information in the company .

Clothes Chic Boutique Store is fashion store that is develop rapidly in Jakarta. This shop own a number of branch and sell various type fashion products. Clothes Chic Boutique face various problem,company experience difficulty in manage the sales process that is not efficiency which is often hampered by a lack of coordination between department sales and warehouse , resulting in delay shipping and orders that are not fulfilled.system cashier who doesn't integrated with inventory and systems sale other cause inaccuracy in recording sales , error transactions , and difficulties in manage transaction daily in a way efficient , problems main is the process of creating and managing Invoicing is still manual, which causes risk error recording and delays in billing payment .

Therefore, it is necessary to implement Enterprise Resource Planning (ERP) technology with the aim that these problems can be resolved. For the selection of software used in implementing this ERP system is ODOO (open ERP) software. Odoo is a web application built using programming languages such as python, XML and javascript and postgresql as its database. Odoo provides convenience for its users because it can be accessed for free or open source so that in use it can meet the operational needs of even the most complex companies [5].

Implementation of Enterprise Resource Planning (ERP) system at Clothes Chic Boutique store which is considered necessary includes the Enterprise Resource Planning (ERP) module, namely the Sales Module, Point of Sales Module or the module which is the point of sale (check-out to billing). Then there is the Website Module, Invoicing Module , and Inventory Module .

The purpose of this research is to provide solutions to operational problems faced by Chic Boutique Fashion Store, such as inefficient sales processes, lack of integration between the sales and warehouse departments, and manual invoice management that often results in late payments and recording errors. In addition, this study also aims to examine how the implementation of an open source-based ERP system such as Odoo can improve the efficiency, data accuracy, and competitiveness of small-medium scale fashion retail stores in the digital era. This study is expected to be a reference for similar businesses that want to carry out digital transformation effectively and affordably.

2. Method

In obtaining data to complete the writing, several ways or methods are used in collecting the data. The method used by the author is as following :

2.1. Data collection

Data collection is carried out to obtain the data needed so that the system or module to be implemented can be implemented. This data collection is carried out to strengthen the reasons why this research must be carried out. At this stage, the researcher collects data with secondary data sources. Secondary data sources are sources of research data obtained through intermediary media or indirectly whose data can be found in textbooks, scientific journals, e-books, websites and other sources relevant to the research[6].

2.2. Analysis phase, design and implementation of company business processes

This phase explains what steps the researcher will take next in his/her research. In this research, after analyzing the existing problems, the next step is to determine the module design that will be implemented which will then be applied in the system [7]. The implementation process is carried out using Odoo which is carried out according to the needs of the Chic Boutique Fashion Store which has gone through the analysis and design stages in the previous stage.

3. Results and Discussion

The ERP system implementation process begins with installing each required module and continues with adjusting the application to previously defined needs [8].

3.1. Point Of Sale Module

The report generated is on the implementation of the Point Of Sale Module will display the results of the calculator calculation. Before entering the cashier or POS page, first enter the product database. The database can be in the form of images, prices and also product names. After that save and click create again if you want to add a new item.

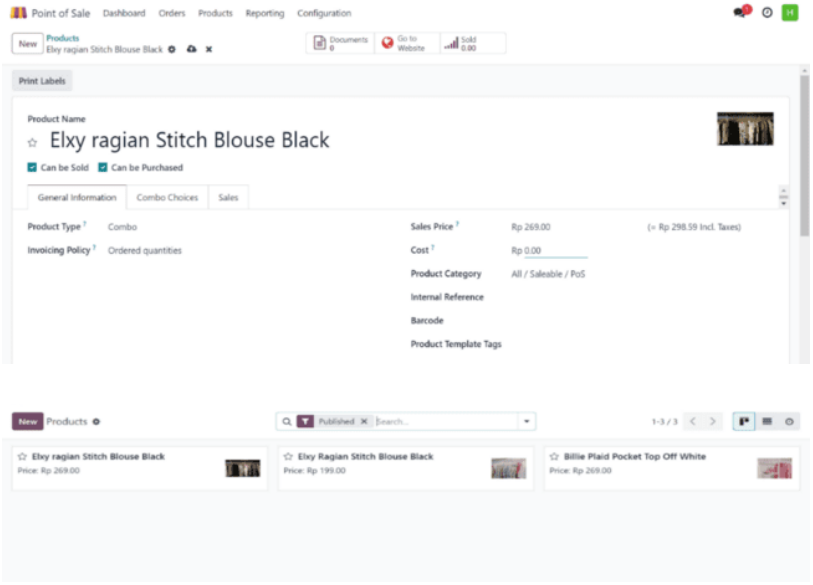


Figure 1. Create new product

After all product Already succeed created , click the box menu at the end left bar and select PoS -> New Session and do the cashier process . At this stage, the cashier will calculate the total customer order, confirm the payment and print the shopping receipt.

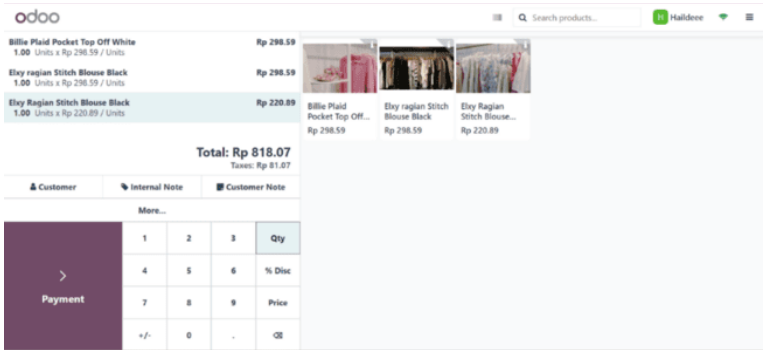


Figure 2. Cashier Process

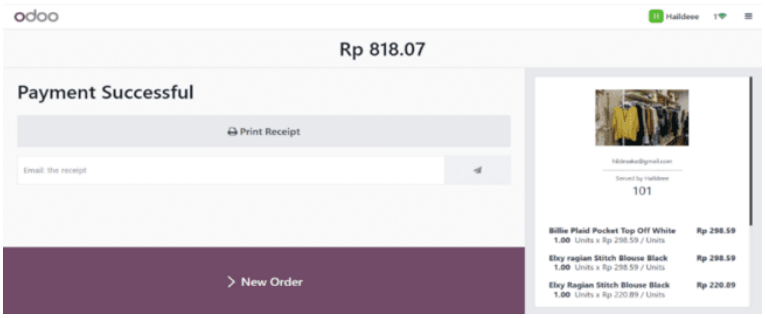


Figure 3. Struck Printing

The implementation of the POS module directly addresses the problem of manual transactions that previously often caused recording errors and were not integrated with stock. With Odoo POS, every cashier transaction automatically updates the stock data, minimizing the risk of shortages or excess goods and speeding up the customer service process. This addresses the main problem identified in the introduction regarding the coordination between sales and warehouse.

3.2. Website Module

This module used For create an official website from company or company. The first step , log in to ODOO ERP account then choose Website module in the Websites category . Fill in your name, company name , email and complete details. others . Then select create then will direct brought to page election color for the website. In the next step, select the color settings of the website template, determine the features and also the pages on the website. Make edits to each page and menu that will be implemented for the flower shop. In the study this , researcher determine the 4 menus that will be implemented on the website , namely the Home, Product, Shop, and Contact Us menus.

3.2.1. Home Menu

The Home menu on a fashion clothes website functions as the front page or main page. Its main purpose is to give a strong first impression to visitors and introduce what the store has to offer. The home page contains Product, Shop, and Contact Us pages. The Home page only provides information about the store and New Arrivals product information.

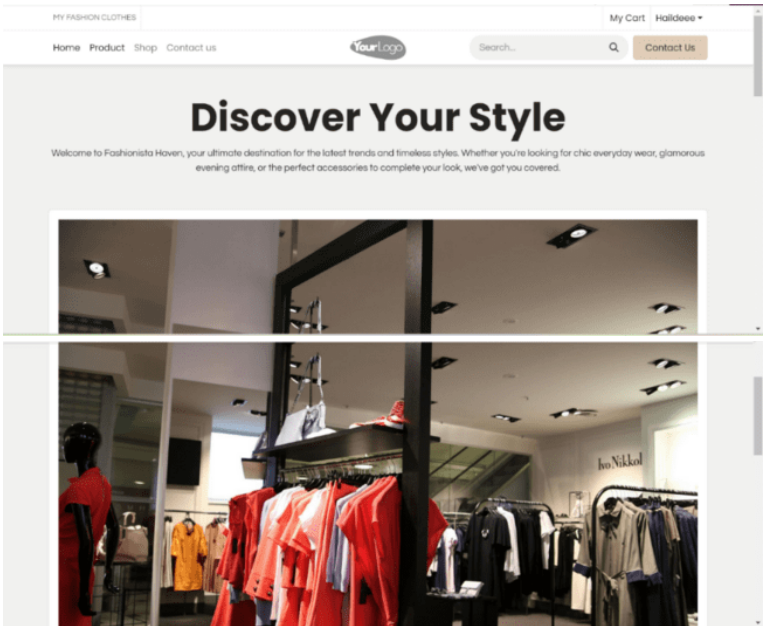


Figure 4. Home Website

3.2.2. Product Menu

The Product menu on a fashion clothes website functions to display all products sold. The module is designed so that visitors can easily browse and find the products they are looking for.

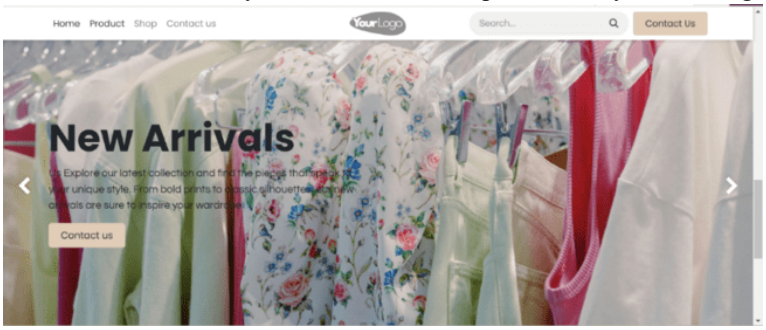


Figure 5 Product Menu

3.2.3. Menu Shop

The shop menu facilitates customers to select products and then check out until payment.

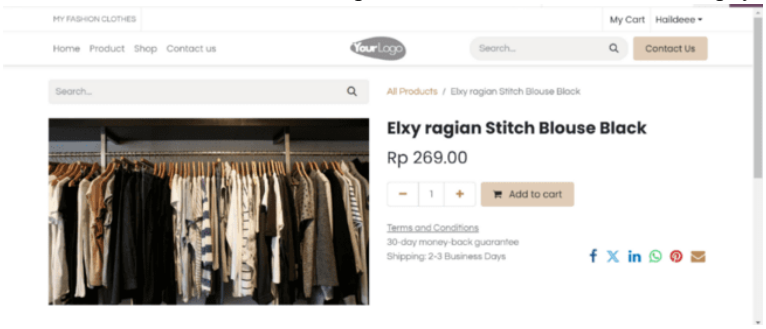


Figure 6 Shop Menu

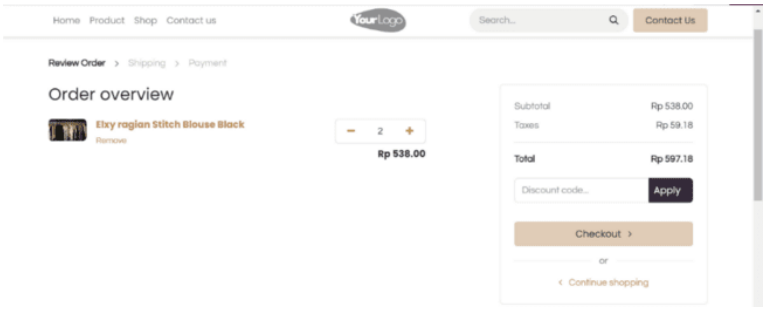


Figure 7. Shop Detail

3.2.4. Contact Us Menu

a page that provides information for visitors to contact the store or get support .

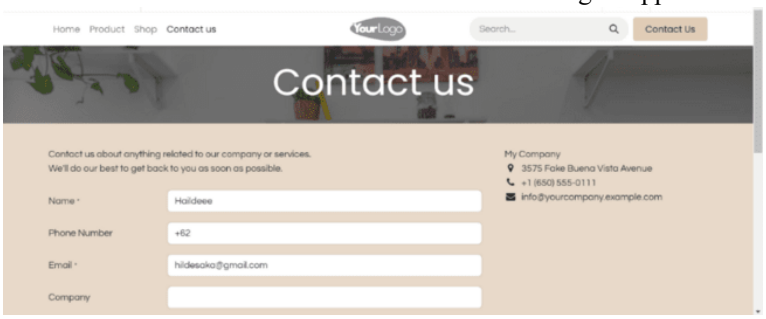


Figure 8. Contact Us Website

The development of an official website through Odoo's Website module provides a solution to the previously ineffective online marketing. The website makes it easier for customers to access product information, place orders, and improve the store's professional image. This directly increases sales potential and expands market reach.

3.3. Invoicing Module

The image below shows the interface of the Invoicing module in Odoo, which helps in managing billing and payments. The top section displays the main navigation with tabs such as Customers, Vendors, Reporting, and Configuration, as well as buttons to create a new invoice or upload a document. There are four main steps: setting up company data, customizing the document view, creating an invoice, and enabling online payments via Stripe. At the bottom, there is a list of invoices with details such as invoice number, customer name, invoice date, due date, amount before tax, total, payment status, and general status. The example invoice shown shows one invoice that has been sent but not yet paid, with the status “Posted” and due yesterday.

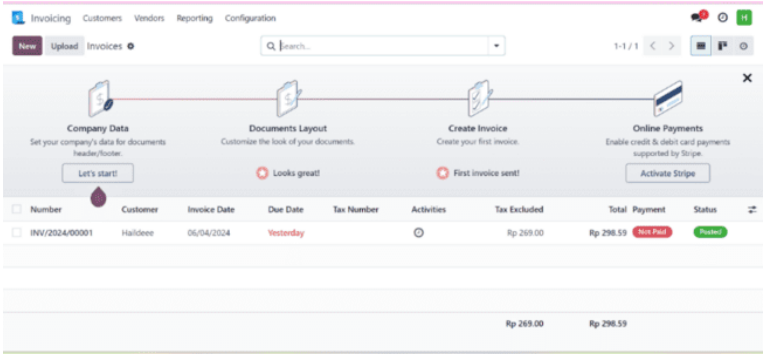


Figure 9.Interface

"Register Payment" in the Invoicing module in Odoo, which is used to record payments against invoices. In this window, the user fills in various payment details, including the payment channel used (such as Bank), payment method (Manual), payment amount (Rp 298.59), payment date (06/05/2024), recipient bank account information, and payment note or reference (INV/2024/00001). After filling in all the required details, the user can click on the "Create Payment" button to record the payment or "Discard" to cancel the process.

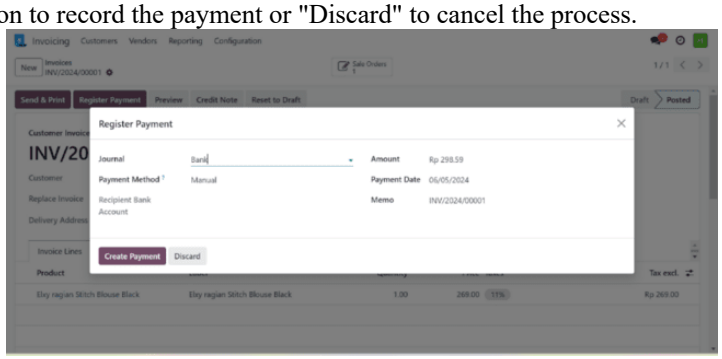


Figure 10. Register Payment

Detailed view of a paid invoice in the Invoicing module in Odoo. This invoice is numbered INV/2024/00001 and was issued to a customer named Haildeee on 06/04/2024. The invoice status is "Posted" and has been marked "PAID" in the top right corner. The invoice details include the product information sold, which is "Eby ragian Stitch Blouse Black", with a quantity of 1, a price of Rp 269.00, and 11% tax. The total price without tax is Rp 269.00. The user has the option to send and print the invoice, review, create a credit note, or return the invoice to draft using the buttons available at the top.

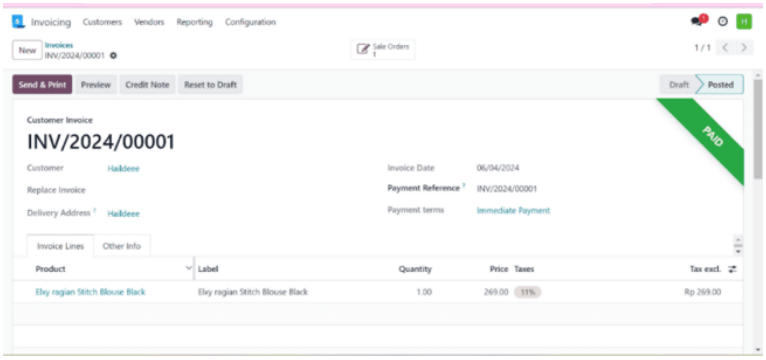


Figure 11. Details invoice



Figure 12.E -mail Message Form



Figure 13.List invoice

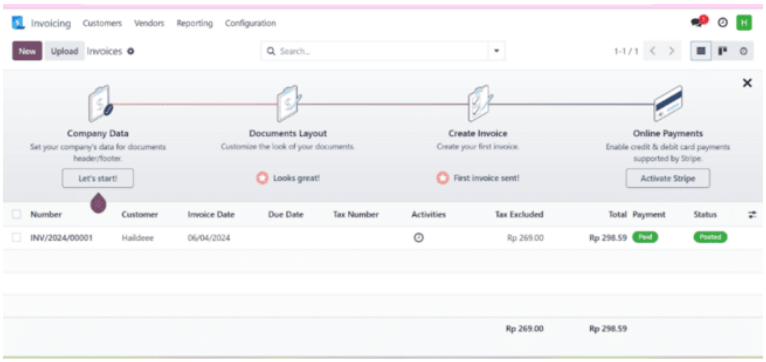


Figure 14. Invoice status paid

The Invoicing module automates the process of creating and managing invoices that were previously manual. With this system, the risk of late billing and payment recording errors can be minimized. Notification features and online payment integration also speed up the payment process from customers. This is supported by [9], who found that Odoo's invoicing automation significantly reduces human error and improves payment timeliness in SMEs. Furthermore, [10] also emphasize that the integration of the invoicing module with other Odoo modules enables better financial control and more accurate reporting for retail businesses.

3.4. Inventory Module

The image below shows the Odoo ERP web page with Inventory module used to manage the warehouse list of FASHION CLOTHES. This page is used to view warehouse information, create new warehouse, search warehouse, and configure warehouse settings .

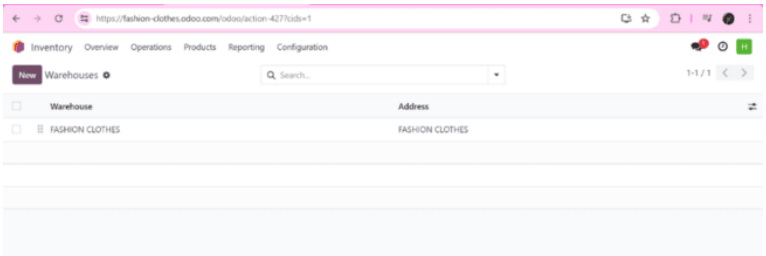


Figure 15. Inventory

This page displays a list of all of the company's warehouses, as well as the products stored in each warehouse. Users can also use this page to create new warehouses, add new products to inventory, and track inventory movements.

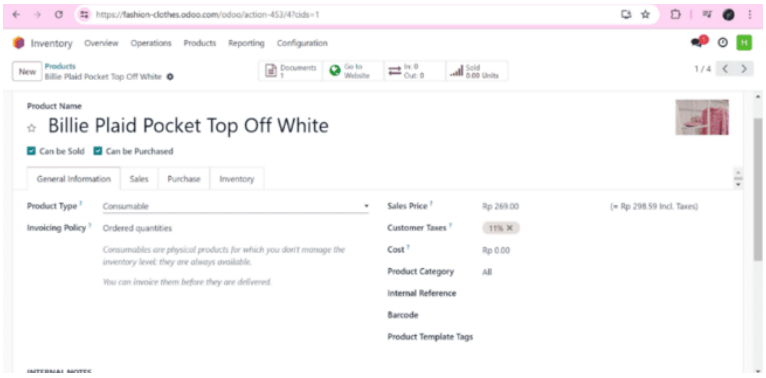


Figure 16. Adding Product

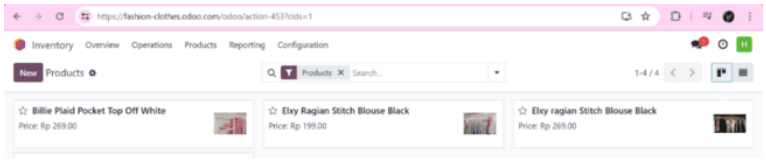


Figure 17. Successful product added

Inventory module facilitates real-time stock monitoring to minimize the risk of running out or excess goods. The process of adding products and tracking stock movements becomes more accurate and efficient, supporting smooth store operations.

3.5. Contacts Module

The Odoo "Contacts" module is a tool for managing individual and company contact data. Users can store information such as name, address, phone number, email address and website. The module stores addresses for various purposes (contact details, billing address, shipping address or other addresses). The search and grouping functions of contact information make it easy to use and manage the information. In addition, users can add internal tags and notes, as well as add contact information for each seller.



Figure 18. Contact List

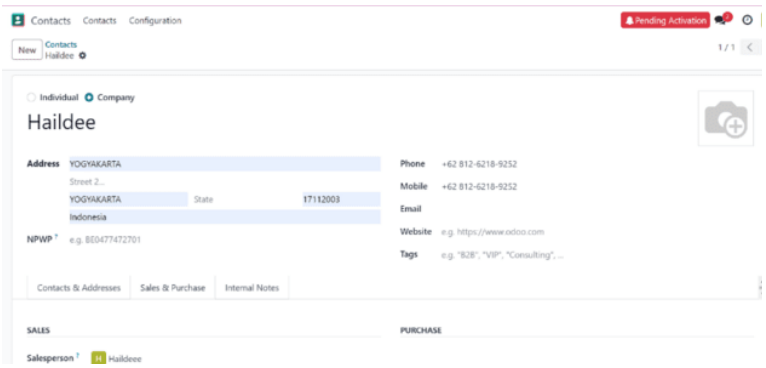
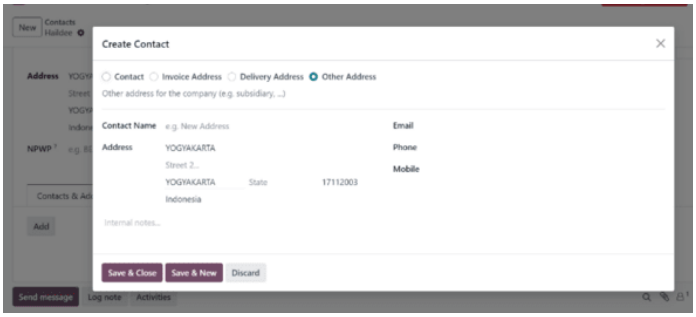


Figure 19. Contact Details



Customer and supplier database management becomes more structured, facilitating communication, marketing, and customer service processes.

ERP implementation at Chic Boutique Fashion Store has strategic significance in supporting data-driven decision-making, cost efficiency through the utilization of open source, and system scalability for future business development. The ERP system also helps ensure compliance with accounting standards, facilitate financial reporting, and provide a competitive advantage in the midst of increasingly fierce competition in the fashion industry. With integrated data, management can analyze sales trends, customer preferences, and stock management more effectively.

4. Conclusion

The implementation of Enterprise Resource Planning (ERP) at Chic Boutique Fashion Store has shown a number of significant benefits. With the implementation of Odoo-based ERP modules, Chic Boutique has successfully optimized various aspects of its business operations, from inventory management, order management, to financial analysis.

Overall, the implementation of ERP at Chic Boutique has brought about significant digital transformation, increasing the efficiency, effectiveness, and competitiveness of the store in the fashion industry. By continuing to optimize the use of the ERP system, Chic Boutique is expected to maintain its excellence and achieve long-term success.

References

[1] A. M. A. Ausat, "The Application of Technology in the Age of Covid-19 and Its Effects on Performance," *Apollo: Journal of Tourism and Business*, vol. 1, no. 1, pp. 14–22, Jan. 2023, doi: 10.58905/apollo.v1i1.8.

[2] P. Darussalam, "ANALISIS SISTEM INFORMASI AKUNTANSI PENJUALAN TIKET PESAWAT PADA PT. ARYA MEDIA TOUR & TRAVEL PALEMBANG Hatidah," 2022.

[3] "document (2)".

[4] O. Novita, S. Rumapea, I. Zai, and F. Ekonomi, "PENERAPAN ENTERPRISE RESOURCE PLANNING PADA UMKM ROSE FLORIST KOTA BATAM," no. 8, 2022.

[5] S. Larissa Zefira Lewoema, P. Taqwa Prasetyaningrum, and U. Mercu Buana Yogyakarta Yogyakarta, "IMPLEMENTASI ENTERPRISE RESOURCE PLANNING PADA TOKO BUNGA REN FLORIST CO," *Journal of Computer Science and Technology JCS-TECH*, vol. 2, no. 2, pp. 1–8, 2022.

[6] S. L. Z. Zahra, Teddy Siswanto, and Syaifudin, "Implementation of Odoo-Based ERP in The Case Study of Micro, Small, and Medium Enterprises(MSME) 'Woody Moody Jakarta,'" *Intelmatics*, vol. 3, no. 2, pp. 68–77, Aug. 2023, doi: 10.25105/itm.v3i2.17590.

[7] N. Astuti, "Volume 2 Nomor 2 Tahun 2024 EKALAYA Jurnal Ekonomi Akuntansi Dampak Rasio Profitabilitas dan Rasio Solvabilitas terhadap Harga Saham pada Perusahaan Retailing," 2025, doi: 10.59966/ekalaya.v2i2.947.

[8] M. William Butar Butar, G. Made, A. Sasmita, D. Putra, and G. B3, "Implementasi Enterprise Resource Planning Untuk Toko Bangunan Studi Kasus UD. Mandala Jaya," 2021.

[9] R. Hoover, S. Andrewson, D. Charles, M. Bobs, and J. Luis, "Cloud ERP and Its Benefits for SMEs." [Online]. Available: https://www.researchgate.net/publication/389980268

[10] A. Arvianto, Z. Fanani Rosyada, S. Saptadi, W. Budiawan, and Y. E. Demilda, "ERP ODOO IMPLEMENTATION IN SMALL RETAILERS," *International Journal of Applied Science and Engineering Review*, vol. 03, no. 06, pp. 66–85, 2022, doi: 10.52267/ijaser.2022.3605.