



## Innovation or Enterprise Resource Planning for Efficiency of Healthcare Management: Migration Data Progress

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### ABSTRACT

Data is an important component in a system/software/application. The ERP (Enterprise Resource Planning) system is a business software package system that aims to help companies automate and integrate most business processes, share data and activities within a company, create and access information from the environment in a relevant, accurate and timely manner. This activity is a service program in the form of apprenticeship to partners, namely PT X with a jobdesk in the form of migrating company data into an ERP (Enterprise Resource Planning) system with the aim of forming an ERP (Enterprise Resource Planning) information system that helps the service process be more effective and efficient. This activity was carried out for 6 months, namely July-December 2023. One of the obstacles in the data migration process that took place was speed disturbances in the system, especially if used simultaneously. Implementation of an ERP-based data input process system at PT X can be expected to minimize the occurrence of human error which can result in errors in identifying subsequent data management. So the output obtained will be more accurate.

### KEYWORDS

Data, Data Migration, System ERP

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### INTRODUCTION

Data is an important component in a system/software/application. Various organizations use the system to support all their activities. Organizational activities that are increasingly complex require the organization to have a system with increasingly complex features (functions). Systems that get support feature updates are very relevant to continue to use. Under certain conditions, an organization needs to replace a system, thereby requiring data migration from the old system to the





new system. In general, data migration is an activity in which data is moved from the old platform to the new platform.

The separation of management access that occurs in the company will certainly have an impact on the delay in obtaining information. So, implementing an ERP system needs to be done. However, before implementing an ERP system, the process of transferring data from the old system must be carried out. Of course, in the data transfer process there are several obstacles, including those related to an unstable network or damage to the system, which will result in the data input activity taking too long.

ERP (Enterprise Resource Planning) is a business software package system that helps companies automate and integrate most business processes, share data and activities within the company, create and access information from the environment in a timely manner. (Mahfiza, 2020). Inputting data in the ERP system (prescription) is the process of transferring data from physical to digital where the data will be typed and entered into the computer. Prescription data collection is carried out with the aim of forming data that can be used for purposes if there are errors or mistakes in carrying out a business process.

Current technological developments have helped humans in carrying out work so that it becomes easier, faster and more accurate. Information Technology is a technology used to process data, including processing, obtaining, compiling, storing, manipulating data in various ways to produce quality information, namely information that is relevant, accurate and timely.

The use of a web-based data management information system is one form of effort that can be made to meet the needs of an organization. Web-based information systems can not only provide real-time information and data that can be accessed anywhere and anytime, but are also able to improve the performance of an organization.

Data entry using the ERP system at PT X has a long and complicated implementation process. This can result in errors in subsequent data management. So the author collaborates with the company to implement data migration to reduce the occurrence of Human Error in the application of the ERP System at PT X.

## MATERIALS AND METHODS

This activity is a community service program, namely PT X partners who are members of a series of certified internship programs for 6 months from July to December 2023. This program was attended by 20 Hospital Administration Students at Muhammadiyah Lamongan University.

## RESULTS AND DISCUSSION

The data migration carried out is a data migration for Recipes, Finance and some other data. with steps as below.

1. Data Migration Officers **log in** to their respective ERP accounts.
2. **My Dashboard** appears as the first view in the ERP System. Click "**My Dashboard**" to select the service that will be used to enter data. Then various types of service options will appear, select **Prescription**.





3. Entering the **Prescription** menu is used to input and find out the process of recording pharmaceutical prescription data for patients who have visited. It aims to find the patient's name, click "**Date of Patient Treatment**" on the **Prescription Date** button.
4. After finding the patient you are looking for, make sure the patient's personal data and medicines are listed correctly, then click **Confirm**. [If you want to change the data, you can click **Edit & Save**].  
After clicking **Confirm**, clicking **Prepare**, then clicking **Ready**, clicking **Pick**, clicking **Create Invoice**, after that the **View Invoice** button appears and click.
5. On the page after clicking **View Invoice**, a **Draft Invoice** appears, click the sign (✓) on the **Invoice Date** to adjust the date of the patient's prescription. Click Save.
6. If this page has been clicked **Save** and is still in **Draft** status, then click **Confirm** for the next step.
7. The last stage, if you have clicked **Confirm**, then on this page the status will be **Posted**.

The Information System that has been running at PT X still uses a separate system according to service needs. Separate management access that occurs in a company will certainly require a long time to obtain data from one part to another. Therefore, the use of an ERP system will speed up and improve employee performance in carrying out communications and business processes in the company.

This is because the ERP system has advantages, including being able to manage all aspects of the business. Before using the ERP system, of course it is necessary to carry out a data migration process (from the old system to the new system). Apart from being able to increase competitiveness in following developments in information system technology, this is expected to be able to increase the efficiency and effectiveness of business processes at PT X.

However, in using ERP at PT X, it is necessary to hold special training for staff, and it is necessary to carry out monitoring and evaluation related to disruptions in the data input process, so as to minimize human error or damage to the ERP system.

## CONCLUSIONS

The data migration process is an activity where physical data is transferred into digital data that is useful for automation and large integration of business processes. So that it can increase the efficiency and effectiveness of business processes at PT X. Implementation of this ERP-based data input process system can be expected to minimize the occurrence of human error which can lead to errors in identifying subsequent data management. So the output obtained will be more accurate.





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