

## **MOTOR SPAREPART SALES APPLICATION NEW SEI KAMAH RUDI SPARE PARTS SHOP**

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**Abstract:** Technology plays an important role in trading business management. The sales application is a system that performs data processing and financial transactions that are equipped with integrated management such as sales transaction processes such as cash registers and inventory calculations or stock items. the role of this goods sales application can simplify the operational form they need and be able to increase their work effectiveness. The main objective of software procurement is to replace manual operations with technology, which is able to make the business survive in the midst of business competition and be able to develop according to expectations. Rudi Sparepart Store is a motorcycle spare parts sales store located in Sei Kamah Baru, Sei Dadap District which is engaged in sales, especially motorcycle spare parts and all motorcycle accessories. By implementing a sales application at the Rudi Spare Parts Store, it can help the shop admin process sales transactions for motorbike spare parts and reports can be generated quickly.

**Keywords:** application; sales ; spare parts

**Abstrak:** Teknologi memegang peranan penting dalam manajemen bisnis perdagangan. Aplikasi penjualan merupakan suatu sistem yang melakukan pengolahan data serta transaksi keuangan yang dilengkapi dengan manajemen terintegrasi seperti proses transaksi penjualan seperti mesin kasir dan perhitungan inventory atau stok barang. peran aplikasi penjualan barang ini dapat mempermudah bentuk operasional yang mereka butuhkan dan mampu meningkatkan efektivitas kerja mereka. Tujuan utama pengadaan perangkat lunak adalah untuk menggantikan operasi manual dengan teknologi, yang mampu membuat bisnis bertahan di tengah persaingan bisnis dan mampu berkembang sesuai harapan. Rudi Sparepart Store merupakan toko penjualan sparepart sepeda motor yang berlokasi di Sei Kamah Baru , Kecamatan Sei Dadap yang bergerak di bidang penjualan khususnya spare part sepeda motor dan segala aksesoris sepeda motor. Dengan mengimplementasikan aplikasi penjualan di Toko Sparepart Rudi dapat membantu admin toko dalam memproses transaksi penjualan spare part motor dan laporan dapat dihasilkan dengan cepat.

**Kata kunci:** aplikasi; penjualan ; suku cadang

## INTRODUCTION

Source Power Human (HR) is the most important asset of a company. The scope of HR includes employees, workers/labourers, managers and other workers who can support company or organization activities because need to pay more attention to employees so that employees have the skills needed to work so that can help company reach objective together [1].

The rapid development of science and technology has helped humans produce more accurate and precise information. Humans are capable of producing very sophisticated technology, namely computers. Computers are one of the technologies used to facilitate human life in all fields, including the industrial sector. Great use of computer knowledge role in use more computers Good [2]. Computers are very useful for dealing with complex tasks and large amounts of data. Performed under computer control, from calculating, storing, generating data, generating reports, and producing accurate information for individuals and businesses.

The company takes advantage of the development of internet technology and information systems which are currently growing rapidly. Technology plays an important role in the management of trading business. The sales application is a system that performs data processing and financial transactions equipped with integrated management such as sales transaction processes such as cash registers and calculations. inventory / stock of goods [3].

Point Of Sale (POS) which is a sales-oriented activity and a system that helps process transactions. Each POS consists of hardware in the form of

(Terminal/PC, Receipt Printer, Cash Drawer, Payment Terminal, Barcode Scanner) and software in the form of (Inventory Management, Reporting, Purchasing, Customer Management, Transaction Security Standards, Return Processing) where these two components are used to each transaction process. Point Of Sales (POS) can be in the form of a payment counter at a shop or place of business where sales transactions occur [4].

In offering their products they are completely conventional, where the buyer has to go to the store to buy the desired item or the buyer telephones, sends an e-mail to request information on merchandise being sold by the Era Bangunan Store with the aim that the buyer takes up a lot of time [5].

One solution to overcome these obstacles is to use a website-based motorcycle parts sales information system that can provide information and sales quickly so that customers can find out product availability and make product purchases anytime and anywhere [6]. Rudy's Sparepart Store is a motorcycle spare parts store located in Sei Kamah Baru, Sei Dadap District which is engaged in the sale, especially of motorcycle spare parts and all motorcycle accessories. Accessories is Suite tool in the field required automotive every vehicle motorized Good framework nor engine that can each other support and complement at each the way activity.

Repair (repair) is an activity to replace or repair damaged parts of equipment so that they can operate again according to their functions and capabilities as before they were damaged. The role of electronics repair is to repair something that has been damaged, extend the service life of compo-

nents, repair severe damage to electronic components [7].

The aim is to help Toko Rudi users or business owners process sales data properly and avoid errors in the data reporting process caused by forgetting or recording errors. Furthermore, this information management system software is expected to produce the required information effectively and efficiently. The process of creating software requires special (technical) knowledge. This is due to amorphous software. One should understand engineering management and software framework design, That in the development process, required exists management [8].

Inside management device soft development can considered as purposeful method for simplifies the development process. The term management itself comes from French which means management art and setting something [9].

## METHODS

The results of the research are in the form of images that may be determined at any time in the context of a certain time and situation. The truth of the research results is more widely supported through reliable data collection both quantitative and qualitative data based on confirmation of the results by the parties studied.

### Research Framework

The research framework is the steps that will be carried out by researchers in solving research problems. The form of the research framework can be seen in Figure 1 .

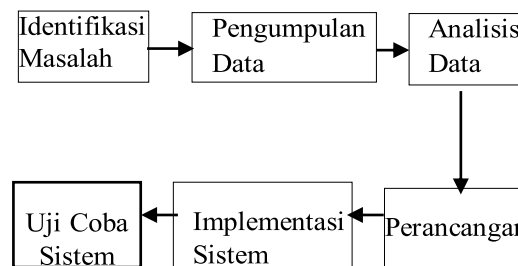


Figure 1. Research Framework

The description of each research framework in a study is as follows:

### Identification of problems

Research and problem formulation is one of the most important aspects of conducting research in any field. The research problem is one that allows empirical investigations to be carried out. Problem significance explains to the reader why the research is important, and shows the reader why the researcher chose the problem. Because research requires knowledge, expertise, time planning, and costs, the problem under study must be really important [10]. The problems found in Rudi Sei Kamah Baru Sparepart Stores are sales data processing that has not been integrated precisely and accurately in each section, causing errors that can cause losses, the process of making sales data reports takes quite a long time and errors often occur in sales reporting because the records in the ledger are often torn due to back and forth.

### Data collection

At this data collection stage, researchers conducted interviews and observations at research locations to collect the required data and information. Here the researcher conducted interviews and collected data related to the research title, namely the application for selling motorcycle spare

parts at Rudi Sei Kamah New spare parts shop.

### **Data analysis**

At this stage an analysis of the data obtained from survey results and interviews at Rudi's Sei Kamah Baru spare parts shop was carried out.

### **System Planning**

At the system design stage, researchers carry out the process of designing the contents of an information system starting from designing the system interface display and data to be processed in the information system. The information system design process uses design tools, namely information system flow charts (flowcharts), context diagrams (cd), data flow diagrams (dfd), and entity relationship diagrams (erd), system interface displays, and database systems.

### **System Implementation**

At the system implementation stage, the researcher implemented a good system at the research location with several processes such as installing the application program used. After the application installation process is successful, then the process of inputting spare parts sales data at Rudi's Store Sei Kamah Baru is carried out.

### **System Test**

At this testing stage it was explained how the results of the stages of the process of determining the design of an information system for selling motorcycle spare parts at Sei Kamah Rudi's New Spare Parts Store could be done by digitalization. System testing is carried out to see the deficiencies of the system that has been designed for the future for the development of a better

system in the future.

Qualitative approach as a process of research and understanding based on a methodology that investigates social phenomena and human problems. In this approach, the researcher creates a complex picture, examines words, reports in detail from the views of respondents, and conducts studies in natural situations [11].

The steps in conducting research using a qualitative descriptive method are as follows; Determining the problem to be studied, Limiting and formulating the problem clearly, Determining the purpose and benefits of research, Conducting a literature study related to the problem, Determining the framework, and research questions or research hypotheses, Designing research methods to be used including determining instruments, data collection, and data analysis using relevant statistical techniques, and making research reports.

## **RESULTS AND DISCUSSION**

The research results are a summary of the research results in the form of Graphs and tables are displayed so as to make it easier for readers to understand the results of Rudy's spare parts shop research. Spare parts have various sales data or sales reports such as sales receipts, spare parts stocks and sales reports that must be stored and maintained in accordance with applicable regulations. which system can understood and used is good system in a future company will get progress rapidly in current company or will develop more proceed again , because by using right system Good service , sales and purchases take place at companies can be managed and

controlled very well, so every The company feels the need for an internal adjustment system all.

To provide fast and accurate information, data processing must be done computerized in a system commonly called an information system. Collecting and displaying sales data is one of the most important things that must be owned by Toko Rudi, especially in terms of selling motorcycle parts. Here are some spare parts data in Rudi's shop:

Table 1. Spare parts data

No	Item Name	Item Price
1	Swallowing Tires	Rp. 35,000
2	Pertamina Mesran oil	Rp. 29,000
3	MPX2 oil	Rp. 45,000
4	Helmet Bogo	Rp. 200,000
5	Gerd oil	Rp. 10,000
6	Kanebo	Rp. 20,000
7	Motorcycle Body Kits	Rp . 40,000
8	Car Cover Support	Rp . 25,000
9	Piston Ring Vario	Rp. 50,000
10	Wheels Circle 17 Supra	Rp. 150,000
11	Gold Capital	Rp. 35,000

The amount of sales data processed by Toko Rudi's spare parts shop has resulted in piles of paper containing reports. This can cause corruption or loss of data in reports, so there must be a solution to this problem. The existence of a computerized sales application system allows the human resources involved to be coordinated without personal meetings, so that the owner knows how sales transactions are carried out and who is responsible for each sales transaction in the database programming language .

**System Implementation**

Implementation is an action or plan that has been designed and prepared in detail. At this stage the focus is on implementing the system that has been designed and built with the appropriate programming language

so that the results can be manipulated and used according to user needs. The use of websites as a medium for promoting cultural tourism can reduce promotional costs used in promoting cultural tourism objects, especially in East Lombok district. Website is pages that can be used for promotion or sales, but the website can also be used as an information system media for data collection, both databases and application .

**Interface Implementation (Interface)**

Interface implementation applies pre-made designs or plans to the design and coding process so that the system can be realized. Here's the implementation:



Figure 3. Goods Sales Report

**Stock Report**

The following is stock report data that was realized at the Rudi Spare Parts shop on February 23, 2023 with a total of 11 types of goods with prices listed and each available stock at the Rudi Spare Parts workshop.



Figure 4. Stock Report

## CONCLUSION

Making the report he applied on sales can helping Rudi's shop for buying and selling goods so that can produce right target. The use of a sales application can find out the amount of remaining stock in the warehouse automatically in real time without having to count the remaining items in the warehouse and be controlled in a manner periodically . Then in sales data management can produce reports quickly making it easier to carry out supervision management at the Rudi Sparepart store.

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