

**Design System Information Supply Drugs & Cosmetics  
With Methods of Supply Chain Management (SCM) On  
Derma Q Skin Clinic**

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**Abstract**

Derma Q Skin Clinic is one of the beauty clinics in the city of Padang that serves a variety of beauty products and treatments. Derma Q Skin Clinic is one of the most well-known beauty clinics in Padang City. However, Derma Q Skin Clinic still implements a product inventory system with a limited system. As a result, it takes longer time to manage the inventory process and willingness to market the product. For this reason, an inventory system was developed to help provide, market and sell even better products. This system uses the Supply chain Management (SCM) method to manage product inventory and availability and uses the PHP programming language for web development that functions as an Admin. This application uses the PHP programming language to build a Web Admin which is used to manage product data and enter it into a database that is connected to the application. The design stages used include the design of use case diagrams, class diagrams, sequence diagrams, and activity diagrams, and deployment diagrams. The results of this study are after the construction of an information system as a means of supporting product inventory and marketing activities that facilitate and assist marketing and make it easier for Derma Q Skin Clinic to organize and manage products.

**Keywords:** Supply chain Management (SCM), Website, PHP, Derma Q Skin Clinic

**1. Introduction**

Development technology information in the era of globalization like Now This push the more fast presentation information For fulfil need information for all party. Technology information give great benefits and convenience , either from facet data processing as well presentation information supply goods that exist in organizations, agencies or company [1]. One of the business processes that can developed through technology information is the company's supply chain management process [2][3] .

Derma Q *Skin Clinic* is one clinic beauty located in Padang which is located on Jl.Padang Pasir Raya No. 25, Padang Pasir, West Padang District, Padang City. Derma Q *Skin Clinic* This is center maintenance beauty blending skin technology latest in maintenance skin and power ready professional help the customer For realize dream skin healthy and well cared for . Derma Q *Skin Clinic* present with brand Derma Q *Skin Clinic* which concentrates on health face and body . Besides provide maintenance programs skin ,

One development application supply product that can applied that is use method *Supply Chain Management (SCM)* that can used in arrange supply amount stock optimal goods based on existing data [4][5][6].

SCM is very effective For used in handle chain supply ( turnover goods ) and secure superiority competitive as well as increase performance organization No only in organization but between organization in between chain supply [7].

Expected with use method *Supply Chain Management (SCM)* can help party clinic in arrange amount supply products on Derma Q Skin Clinic . *Supply Chain Management (SCM)* own two processes, the *inbound process* is the first process that consists from receipt , storage and distribution ingredients input For produce products and services , the *outbound process* is the second process that consists from involving activities \_ distribution product to customers [8][9]. SCM plays a role important for continuity company Because all business processes can said depending on SCM implemented and SCM is factor determinant success something organization or companies [10][11].

System information supply This expected Derma Q *Skin Clinic* can more Good in promote product them , where supply product sale That can make it easy employee in process availability existing products and the right marketing strategy is needed so that in period long Derma Q *Skin Clinic's* profit increased and earned give the best service for customer . because it's Derma Q *Skin Clinic* need A system inventory based web programming . Making this *website* expected can handle reservations are also possible increase Power sell with very broad marketing.

## Research Methods

Analysis and design step This is something very decisive job very For can know more carry on about old system , on analysis system especially formerly must more carry on about and understand system , for analyze system required data from system For analyzed. After doing study in a manner direct to system service health and records medical staff running at the clinic Dirmiati , the system used Still done manually , so the service process health and records medical walk slow and vulnerable happening mistakes .

In study This, writer use framework study as order or process with the aim that more research

is carried out structured, framework study Which done in study This that is :

Identify problem is step First Which done in stage analysis where system can analyze problems Which related with Selection of the best food for people with hypertension.

- Collection data done by observing and interviewing parties Which authorized in place study as well as give question in accordance need making system
- Analysis system done so that researcher can describe and implement in language PHP And MySQL. With system analysis expected can make it easy system usage.
- System testing is carried out in the form of a concept from the design of a decision support system in awarding scholarships for students with achievements
- System implementation is part of cycle life development system. On stage This will designed application system special manage data gift scholarship achievement For understand implementation process involving components implementation
- Draw a conclusion. After implementation system done And results Which wanted has in accordance with analysis method Which used, so can drawn a conclusion that the method TOPSIS is very appropriate to use in problems process taking decision election food best for hypertension.

## Results and Discussion

Analysis and design step This is something very decisive job very For can know more carry on about old system , on analysis system especially formerly must more carry on about and understand system , for analyze system required data from system For analyzed . After doing study in a manner direct to system service health and records medical staff running at the clinic Dirmiati , the system used Still done manually , so the service process health and records medical walk slow and vulnerable happening mistakes.

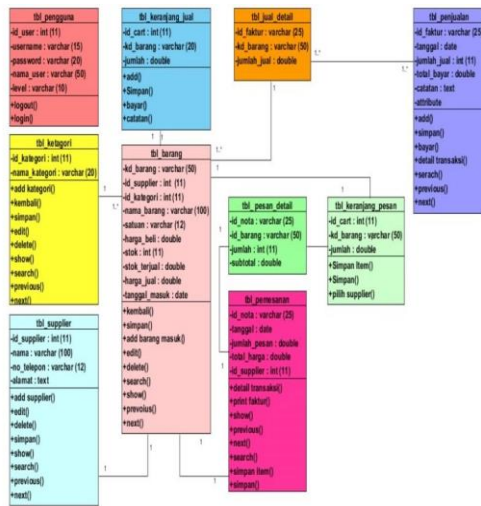


Figure 1. Class Diagram



Figure 2. Use Case Diagram

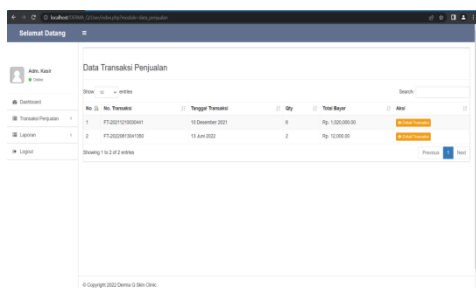


Figure 3. Figure Of Application.

After doing study in a manner direct to system service health and records medical staff running at the clinic Dirimiati, the system used Still done manually, so the service process health and records medical walk slow and vulnerable happening mistakes. System overview can be obtained after done study from a number of weakness existing system during

This seen, especially from facet activity system used.

**CONCLUSION**

1. Design System Information Supply Drugs & Cosmetics With Method of Supply Chain Management (SCM) at Derma Q Skin Clinic is as means supporters activity inventory and marketing products that are easy and helpful marketing and service on offer products offered at Derma Q Skin Clinic.
2. Through use this Supply Chain Management (SCM) method can more easy in arrange supply stock as well as simplify the production process so that more effective and efficient.
3. From the results research that has done can concluded that use method of Supply Chain Management (SCM) in development can become good choice. For build system supply product.

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