An Analysis of the Implementation of Electronic Customer Relationship Management (E-CRM) Towards Customer Loyalty

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ABSTRACT

The presence of customers is the most important component in a business. For this reason, customer loyalty to the company must be maintained and improved so that the business can survive and grow. This research is a quantitative study that aims to look at the relationship between electronic customer relationship management (ECRM) on the loyalty. Data in this study were collected through ECRM quality measurement questionnaires and customer loyalty levels. Then, the collected data is analyzed using simple linear regression analysis. The results of this study indicate that there is a positive and significant effect between the effectiveness of the ECRM on the level of customer loyalty from these results it can be recommended that to increase customer loyalty, it is important to improve the quality and effectiveness of ECRM.

Keywords: Customer Loyalty, Innovative technology, Customer Relationship

1. INTRODUCTION

Customers are regarded as a critical component in the success of every company. A customer is someone who pays for a company’s services or good and makes it well operate [1]. Regarding this, customers should be maintained and respected at all times because they are very valuable asset to a company [2]. By maintaining and respecting customers, the business will continue to grow as it increases the profits [3]. In other words, if an entrepreneur wants to run and develop his business, he needs to maintain customer loyalty.

The level of customer loyalty can be seen from four dimensions, which are cognitive, affective, conative, and action aspects [4]. Cognitive aspects relate to customer knowledge of the products and services offered by the company. Affective aspects refer to general evaluations of the customer's emotional ties with the company. Conative aspects are the customer's commitment to the purchase of products, or the use of services owned or provided by the company again in the future. Whereas the aspect of action is related to the positive assessment given by the customer to the company such as recommending the company to others compared to other companies. The higher the level of customer loyalty, the more likely it is that the company to develop [5]. Therefore, customer loyalty to the company will be the key to success for the company [6].

Many studies have found that customer satisfaction has a great influence on customer loyalty. A study conducted by [7] found that customer satisfaction at reputable banks in Nigeria made customers loyal customers. There is also a research conducted by [8] who investigated that customer loyalty was greatly influenced by their satisfaction with the services provided by the company. Similar results were also found by reference [9] was stated underlining that bank customer satisfaction has a positive effect on the loyalty
of the bank’s customers. So, they suggest that every bank must strive to improve the satisfaction of their customers.

Customers must be satisfied and loyal, which necessitates a variety of efforts. One thing that can be done is to improve customer communication. Communicating well verbally and nonverbally will make customers feel respected and affect their satisfaction [10]. In the present era of the industrial revolution 4.0, communication is not only done by face to face, but also through an intermediary of electronic communication tools. The Electronic Customer Relationship Management (E-CRM) system emerged. E-CRM has been implemented with the aim of establishing communication with customers. Relationship Marketing is all marketing activities aimed at the establishment, development and maintenance of interactions between various types of relationships with companies [11]. E-CRM is becoming increasingly important as the number of customers from millennials grows.

It is also an innovative technology that seeks to increase customer satisfaction, loyalty, and profitability by acquiring, developing and maintaining effective customer relationships and interactions with stakeholders [12]. E-CRM is used to manage interactions between companies and customers or prospective customers by utilizing data or track record of customer transactions at the company [13]. Since CRM aims to understand the needs and desires of consumers by placing these needs at the heart of business, E-CRM will be able to increase company profits [14,15].

Moreover, Electronic Customer Relationship Management (E-CRM) is an innovative technology that seeks to increase customer satisfaction, loyalty, and profitability by acquiring, developing, and maintaining effective customer relationships and interactions with stakeholders [12]. It manages interactions between companies and customers or prospective customers by utilizing data or track record of customer transactions at the company [13]. It further understands the needs and desires of consumers by placing these needs at the heart of the business by integrating them with organizational strategies [14]. If implemented properly, the E-CRM will be able to increase company profits [15]. In measuring the effectiveness of E-CRM there are five variables that must be assessed, namely: organizational commitment, customer experience, process based approach, and reliability, technology orientation [16]. In detail the indicators of each of these aspects can be seen in table 1.

Table 1. Variables and Indicators of E-CRME effectiveness

| VARIABLES                     | INDICATORS                                                  |
|-------------------------------|-------------------------------------------------------------|
| Organizational Commitment     | This bank regularly uses personal information to provide specific products/services |
|                               | Bank employees often interact with customers to assess service performance |
|                               | This bank assesses customer satisfaction regularly          |
|                               | This bank carefully evaluates the changing needs of customers|
| Customer Experience           | This bank immediately handles customer complaints           |
|                               | This bank really pays attention to customer problems        |
|                               | This bank effectively communicates with customers           |
|                               | This bank is cooperative                                    |
| Process Based Approach        | This bank provides the fastest service                      |
|                               | This bank designs their service processes to meet customer desires |
|                               | This bank always conducts transactions correctly and quickly |
|                               | This bank provides added value information on the Products and Services offered |
| Reliability                   | This bank maintains consistent service standards            |
|                               | This bank maintains consistent service standards            |
| Technology Orientation        | This bank uses the latest technology (ATM, mobile banking and internet banking) to offer quality services |
|                               | The bank makes effective use of ATMs, mobile banking and internet banking to improve customer service |

1.1. Customer Loyalty

Customer loyalty describes the type of customer behavior that is focused on good experiences and values received from a brand, so that they purchase the products or services provided, although it is not the most reasonable choice for them [17].

Customer could repurchase a product or use a company’s services if they are satisfied with the services offered, and a businessman will always be looking for new ways to keep their customers loyal [18].

Loyal customers are those who recommend a company to others, always buy or use services at the company, always convey positive things about the company, and position themselves as customers in the company in the future [19]. Customer loyalty will have an impact on retention, repurchase, and longterm commitment [20]. Theoretically reference [4] was stated that there are four aspects that can determine customer loyalty, namely cognitive, affective, conative, and action. However, after empirically tested by reference [21], three of them were proven to be effective in determining customer loyalty, namely affective, conative, and action. In detail, each variable and indicator of customer loyalty can be seen in the following table 2.
### Table 2. Variables and Indicators of Customer Loyalty

| Variable | Indicator |
|----------|-----------|
| Affective | I become a customer of this bank because I like this bank. |
|           | I prefer to be a customer at this bank than being a customer at another bank. |
|           | I feel more comfortable with this bank than other banks. |
|           | I am more interested in the products and services at this bank compared to other banks. |
| Conative  | I will continue to be a customer of this bank in the future. |
|           | I will use other products and services offered by this Bank. |
| Action    | I would advise this Bank to anyone who asks me for consideration regarding bank products and services. |
|           | I always give positive information about this bank to others. |
|           | I made this bank the first choice in terms of banking products and services. |

Considering the importance of customer loyalty in banking industry through E-CRM, this study aimed to find out whether there is a relationship between the qualities of E-CRM on the loyalty of bank customer and also collaborate with the previous studies about E-CRM and customer loyalty.

### 2. METHODS

This ex post facto study aimed to determine the relationship between E-CRM quality and loyalty levels of bank customers. It involved 80,844 customers as a population in one branch and the samples were selected randomly. The numbers of the samples were determined by using the Slovin formula with an error level of 0.05 and a confidence level of 95 percent, so it involved 398 people as corresponding samples from walk in customer.

The data in this study were collected through two questionnaires to measure the quality of E-CRM and level of customer loyalty. E-CRM effective measurement was developed and validated by reference [16], while customer loyalty measurement was adopted and validated by reference [21]. The data gained from both types of questionnaires were tabulated and analyzed by referring to the related theories.

### 3. RESULT AND DISCUSSION

The results of the study revealed that the effectiveness of the E-CRM needs to be improved to increase customers’ loyalty. There are several strategies to implement the E-CRM, particularly in gathering information in the form of big data that can be utilized by employers.

Moreover, there are some factors influencing the customers loyalty. These factors include giving awards to loyal customers (discounts) and increasing their loyalty to the company [22].

To be more specific, in banking case, a study done by reference [23] found that there are some aspects affecting customers loyalty such as banks’ attitude towards their customers, the levels of customers confidence, and the levels of customers commitment. Meanwhile, the study executed by reference [24] found that customer satisfaction, service quality, and trust were the main factors influencing the loyalty of bank customer. It is supported by reference [25] claiming that the loyalty of bank customers is influenced by perceived quality, satisfaction, trust, switching costs and commitment. Regarding service quality, bank reputation is also found to affect the loyalty of bank customers [26]. However, customer satisfaction is another factor confirmed to be the most determining factor in customer satisfaction [27].

Therefore, further comprehensive study needs to be investigated to see dominant factors in increasing customer loyalty. So, the company will get more information about the aspects correlating with current development of their customers’ loyalty.

### 4. CONCLUSION

Based on the analysis, it can be seen that the path from the explanation above, it can be concluded that the quality of the E-CRM correlated to the level of customer loyalty. For this reason, it is strongly recommended for the banks to continuously improve the quality of the E-CRM to increase customers’ loyalty.

However, considering the claim that E-CRM is not the only factor in increasing customer loyalty, some further study need to be done, particularly related to customer loyalty needs. By doing these studies, it is expected that the bank will gain a detailed information to maintain and increase the loyalty of the customers. By doing so, further development activities, programs, and services could be optimized to develop the banks.

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