Design interior of Indonesian tea museum in Semarang

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Abstract. This research aimed to design a facility that can provide more knowledge about Indonesian tea to the community. The concept used was Modern Rustic, which was applied to the "The Land of Heaven" theme. Booth concepts and themes were chosen to create the nuances of Indonesian tea plantations that have been hard to find in big cities in Indonesia and to attract citizen interest to know more about Indonesian tea. The concept also can be seen from the use of natural materials and colors. The research methods used literature studies, interviews, and observation. It finds that the application of the tea plantation atmosphere for each room is to create the impression of wide and open as being in a tea plantation but still have the border between space functions.

Keywords: tea museum, design interior, Indonesia tea

1. Introduction
Plantation products such as tea, coffee, quinine, tobacco, and other commodities are very reliable to increase the country's foreign exchange income [1]. For the Indonesian people, this commodity has been done since the Dutch colonial era. Europeans are very familiar with the fertility of Indonesia's land. Therefore, some plants with high sales value are brought to several regions in Indonesia. One of the high-value commercial plants is a tea plant [2]. This type of plant was brought by the Dutch East Indies government to Indonesia in order to increase the economic income of the Dutch East Indies government. At that time, the tea plants included in the commercial plants, which became an attraction or primadonna for European nations. The Dutch East Indies government began trying to develop several tea plantations in the archipelago [3]. The process of developing tea plantations in Indonesia has begun to be successfully developed in several regions in Indonesia. The economic benefits of the development of the tea plantations were felt by the Dutch East Indies government. Therefore the Dutch East Indies government began to change the strategy of mastery of this commercial plant, which initially only traded with the people to become a corporate-based manager. This condition began the days when tea plants began to be traded massively to the outside world.

When Indonesia became independent, the management of tea plantations in Indonesia was responsible for the Indonesian people. This made the Indonesian government create a company under the Indonesian government's auspices, which was named the Nusantara Plantation Company [3]. Over time the company has grown with the clarification of plants in Indonesia. One of these companies has a role in managing tea, coffee, quinine, cocoa, oil palm, and scrapping plantations, now known as PTPN VII. At present, Indonesia has approximately 16 tea plantations spread across the islands of...
Java and Sumatra. The results of these plantations are also no doubt in the eyes of the world.

Tea from Indonesian plantations has become excellent for all nations globally, especially for several countries such as Russia, China, Japan, and several other countries [4]. However, unfortunately, this is inversely proportional to the response from the people of Indonesia. Original Indonesian tea products are less so in the community. For the people of Indonesian tea lovers, the quality of Indonesian tea products is inferior to the quality of tea products from several neighboring countries. This is unfortunate remembering that Indonesian tea is basically exported to several major countries in the world, so it does not rule out the possibility that some of the tea products originating from that country come from Indonesia. Tea for the people of Indonesia is a type of beverage that is common and is often consumed by all people [5]. The interest of the Indonesian people towards tea is very high. Evidenced by the average restaurant in Indonesia will always provide tea drinks on their menu. This is because the interest of the Indonesian people themselves with tea drinks is still very high [6]. There is another thing that most of the people of Indonesia consider drinking tea not only as a supplementary drink but can be used as a substitute drink for mineral water. However, unfortunately, the tea products known by the people of Indonesia are not local tea products with the best quality tea leaves. This causes the Indonesian people to feel that Indonesian tea is a type of tea with poor quality tea leaves. An event like this is still happening today because many Indonesian people do not understand the types of tea products native to Indonesian plantations and various types of tea leaf products, especially the best tea leaf products that can be produced in Indonesian plantations. The lack of facilities for introducing the best types of tea leaves in Indonesian plantations to the introduction of the best tea producers in Indonesia is the main reason for the community to prefer imported tea products from several neighboring countries. If we examine more in many of the imported tea products using the basic ingredients of tea leaves originating from Indonesia.

Tea museum facilities introduce tea types from all tea leaf categories. Introducing some of the best Indonesian tea producers will help Indonesian people love domestic tea products more [7]. The design of the interior design of the tea museum located in Semarang city will be designed so that it can be used to facilitate all people to get to know about Indonesian tea, especially for various types of Indonesian tea leaf products of all qualities. The museum will be presented with a concept that mixes the concept of local content and the development of technological progress [8]. It is hoped that this will help the public recognize the products that will be exhibited easier without leaving an introduction to Indonesia's local culture. In addition to introducing the types of Indonesian tea products, this museum will also be equipped with facilities for the introduction of the fragrance differences of each type of tea product in Indonesia.

The design of tea museum facilities in Semarang city is expected to help the community and the central government increase the production of Indonesian tea leaf products specifically for several types of premium teas typical of Indonesia. With a good introduction and explanation process, it is hoped that Indonesian people will be able to love authentic tea products from Indonesia. It is also hoped that the original premium tea products from Indonesian plantations will also be able to compete in the local and international markets.

Based on the background of the above problems, the formulation of the problem can be obtained as follows: (1) How to realize the tea museum facilities that can accommodate tea lovers to understand better the history and variety of tea types, especially the various types of tea-producing plants in Indonesia, (2) How to make interior design concepts that can produce a comfortable atmosphere for tea lovers, (3) How to provide an interior and modern tea serving area by prioritizing cleanliness and comfort for tea lovers.

The limitation of the problem in the design of the Indonesian tea museum is about the interior design of the tea museum that can attract the interest of the Indonesian people. The Indonesian tea museum is a facility or facility intended to introduce Indonesian tea to the Indonesian people. The results of Indonesian tea plantations are a type of high-grade tea in the world. This museum's concept will be made to eliminate the old and boring impression of the Indonesian people's thinking.
2. Methodology

2.1. Research stages

- Literature Study
  Literature Study is one of the research techniques used in a study. A literature study can be obtained by reading books, journals, and blogs on the internet [9]. This research process is used to gather some written and in-depth information that cannot be obtained with other research processes.
  The research process of studying literature related to the Indonesian tea museum is taken from several books with information about the museum, tea plants, and interior design. Besides books, there are also some journals related to the process of designing the Indonesian tea museum. The journals used are regarding the community's approach to the museum, the tea museum design journal, the tea shop design journal, and others.
- Interview
  The interview research process was carried out when meeting with resource persons from the survey site and resource persons from the community related to the final project title. Interviews can be conducted to dig up information about a survey site or items related to the research [9].
  Survey’s place and interview this time were carried out in several museums and tea plantations around the island of Java. It was also carried out to one of the communities who understood Indonesian tea, namely the Indonesian tea lovers community. Interviews are conducted to obtain more complete data than data obtained on the internet or books.
- Observation
  The observation research stage is usually carried out to observe people's behavior towards interior elements in the survey site that has been undertaken [9]. This process will simplify the process of revenue information that cannot be recorded but is quite influential for the title of the thesis.

2.2. Stages of design

The design process will always begin with the needs of a building. That need will always arise from the private or the wider community. The search for solutions to all the needs that arise from a building requires data that supports the process of finding the best solution to those needs. The designer must plan the stages of work to get the results of the solution you want. Besides that, the work stages will also greatly help the designer analyze what concepts will be outlined in a design process. Creativity is very much needed in an interior design process that might create new ideas with concepts that are stronger, more suitable, and suitable for interior needs in design.

A designer/professional is required to be able to see problems and find solutions from various alternatives. It should be noted that design must improve social and spiritual functions. In this kind of thinking, the process of choosing and determining the best alternative is often far more difficult than the process of expressing ideas. This stage requires a designer to be able to integrate quantitative and qualitative testing results. Once a design is realized, in reality, there has been a kind of dialogue with its users. Here the assessment process takes place, whether the newness increases knowledge, ignites fantasy, and experiences. The concept of designing the Indonesian tea museum will carry a modern rustic theme. With this design concept, it is hoped that the Indonesian tea museum in Semarang can become a museum that will add new aesthetic and color experiences to its visitors.

3. Results and discussions

The basis of the concept of designing a typical Indonesian tea museum is lifted from things related to the original Indonesian tea itself. The design style used for the tea museum is called the theme of The Land of Heaven. The design style that accentuates the impression of modern rustic will provide an experience that brings visitors into a tea plantation area but does not give an old impression so that visitors can be attracted to visit this tea museum. The word paradise land is a parable to express Indonesia's richness. Indonesia alone, it can produce four types of tea from six types of tea variants in the world and become one of the 4th tea exporter countries in the world. In addition, this is also
intended to promote the introduction of a wealth of tea drink ingredients from several regions in Indonesia.

Figure 1. Moodboard

Figure 2. First Floor Layout
Figure 3. Second Floor Layout

The image of the space in this museum highlights the original elements of materials. It can be seen from the use of wood materials that have not yet been smoothed and natural stone materials that will be combined with glass walls and interactive screen alloys that will display the natural scenery of the tea plantations. It aims to provide an atmosphere like in a beautiful open area of tea plantations, which is served with a different formation.

Figure 4. Lobby Layout
The materials used for the Indonesian Tea Museum will follow the Modern Rustic Style, namely, using wood, exposed brick, natural stone, glass, etc. To display a firm, natural, and warm impression in the Modern Rustic concept, as well as to create a modern concept in this tea museum, glass and metal materials with the unfinished look are also applied by using natural color finishing to make the room warmer and more integrated with nature.
The technology concept at this museum is widely used in public areas and semi-public areas, which will be applied to signage systems that will make it easier for museum visitors to find out the direction of the museum's flow. In the semi-public area of the system, the technology is used not only for signage applications but also for the exhibition object explanation system or a tool for displaying the display object itself.

![Figure 8. Display Room Snippet](image)

![Figure 9. Testing Space Snippet](image)

![Figure 10. Lobby Perspective](image)

The lighting concept that will be used will be divided into two types of lighting. Two types of lighting sources that will be used are natural and artificial lighting systems. In this project, the lighting system in the first-floor area will use more natural lighting than artificial lighting. However, different from the lighting concept that will be used on the second floor of this museum.
4. Conclusions
Indonesia is one of the best tea-producing countries in the world, and there are four of the six types of tea in the world that can be produced on Indonesian soil. Tea from Indonesian plantations has indeed become excellent for all nations in the world, especially for several countries such as Russia, China, Japan, and several other countries. Besides that, for the Indonesian people themselves, the tea drink dish has been very popular with all Indonesian people. However, it is unfortunate that Indonesian tea products that are enjoyed by the community are only Indonesian original tea products with ordinary tea product categories. Events like this have often been experienced in Indonesia. All of them are caused by the lack of facilities that can be used to become a media introduction about authentic Indonesian tea in this country. Therefore, the project of making the design of the interior design of the Indonesian tea museum can be used as a facility that will be used to solve existing problems in Indonesia.

The design of the Indonesian tea museum's interior design is intended so that the Indonesian people can increase knowledge of tea plants originating from Indonesia in terms of history, type, region, etc. Visitors can also find out about the culture and tradition of drinking tea in several regions of Indonesia until finally, visitors will know how Indonesian tea can be excellent for several countries in the world. Besides that, visitors themselves will be given the opportunity to be able to taste the types of tea variants in Indonesia.
Interior Design that will be applied later will be made so that visitors can feel the atmosphere of being in the region of tea plantations in Indonesia. The theme of the Modern Rustic concept that will be used in the interior design of this tea museum will add a natural impression but does not leave the ongoing design trends. Processing materials used in the interior design of this tea museum will be based on the use of materials originating from Indonesia. This will elevate Indonesian culture by itself. The use of technology for some exhibition areas in the Indonesian tea museum will also increase the appeal for Indonesians. They are basically less interested in coming to a museum. The integration of interesting concepts and themes will make the public more enjoy the exhibition flow in the Indonesian tea museum later.

This research hopes that the design of the interior design of the Indonesian tea museum can make a place of recreation and also education for all of its special community for the people of Indonesia, in knowing more about the products of state plantations and Indonesian culture that has now become part of people's lives in Indonesia. The Indonesian tea museum must also be further developed so that people continue to preserve and love the plantation products in Indonesia.

It is also desirable that the community can maintain the museum as a place to preserve the plantation and Indonesian culture by using the available facilities and facilities as best as possible so that they can be useful to advance the Indonesian people.

The government is also expected to be able to complete the facilities required to support the construction of a museum. The manager is more aware of the museum's importance, not just a place to work so that managers better care for and maintain the condition of the museum better.

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