

Greenery Concepts in Cafe and Restaurant Interiors

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Abstract. This study aims to examine the application of greenery and plants in the interior of a restaurant cafe. Today's cafes not only sell the taste of food but also have to attract the attention of customers with their unique interiors. Greenery and plants are now an essential element in the interior and influence its form and use. In this study, the method used is a descriptive method with a qualitative approach, with observation techniques, namely direct observation in the field. This research uses Jardin Cafe as a case study because Jardin Cafe is a Cafe Restaurant whose interior elements are dominated by plants and greenery. The results of this study indicate that the application of plants as a dominant interior treatment on the ceiling, walls and floor at Jardin Cafe Bandung can strengthen the concept of space carried by the cafe to create a comfortable, organized, and unique atmosphere. The application of green systems and plants also impacts the forms and materials of existing interiors and buildings. Green systems and plants are essential elements in interiors and buildings. They need to be evaluated from the beginning of the design to minimize side effects on the plant, such as consideration and maintenance will reduce adverse side effects to the plant. The existence of a system of greenery and plants has a significant impact on the interior and form of existing buildings and the use of materials.

Keywords: interior plants, interior greenery, café interior

1. Introduction

The culture of gathering and enjoying coffee and eating together is one of the factors driving the growth of the café and restaurant business in Indonesia, especially in big cities. One of the cities in Indonesia that has a very rapid growth of cafes and restaurants in the city of Bandung. Bandung city is one of the famous culinary centres in Indonesia. In this city, visitors can enjoy various culinary creativity, both traditional and foreign culinary. Previously, people went to restaurant cafes to enjoy coffee and snacks, but nowadays, people also enjoy the spacious atmosphere in the cafe. In today's people's lifestyle, apart from visiting cafes to eat and hang out with friends, today's younger generation often shares their moments when they gather on social media. Restaurant and cafe businesses, especially in the city of Bandung, compete to make these cafe facilities look attractive when photographed and distributed on social media. An attractive cafe interior will usually be a photo spot, showing others that having visited an exciting place via social media, it has become a habit. An attractive cafe interior is not only a photo spot but can also make it more comfortable to sit and visit for a long time. Making something unique in the interior is one way to make the cafe and restaurant facilities look good on social media, which is a

form of promotion. Plants can be a room decoration that can make the room's atmosphere shady and comfortable.

This article discusses the greening system in a restaurant cafe that uses greenery and plants as the dominant elements. The case study taken is Café Jardin. Café Jardin, located in Bandung, is one of the contemporary cafes that applies plants and greenery as one of the dominant elements in its interior. This article will discuss how Jardin Café applies greenery as an interior treatment and its impact on existing interiors and buildings.

Previously, there have been several studies regarding the application of plants in the interior, including the effect of greenery in retail areas on visitors' emotions, which was started by Brengman et.al. The article states that the application of greenery in retail areas does not evoke feelings of joy but can cause pleasure and a feeling of relaxation, especially in visually dense retail. In the research conducted by Wong et al., indoor greenery is suitable for tropical climates, in this case, the local conditions of the Singapore area [1]. Greening is a system that can improve the aesthetics of a room/building. The vertical greening system is an effort to reduce air and noise pollution. The vertical reforestation system can bring nature closer to humans. Razi I et al., in their research, revealed that greening in the interior is a form of how to create space and anticipate human needs both physically and emotionally [2]. At this time, greening in buildings is a study related to building systems and interior decoration and has a relationship with the environment and health, so we need an assessment standard in applying greenery/plants in a building as interior decoration [3]. In a previous study conducted by Choi J et al., it was found that a bit of greenery in space can cause relaxation in people who are in the space [4]. Yildirim et al. conducted a study on the effect of indoor plants on customer purchasing decisions at restaurants. This study shows that restaurants designed with indoor plants have a more positive effect on customers' shopping decisions than restaurants designed without indoor plants until this research shows that the design of a space with indoor plants will attract more customers [5]. Tan, in his article, stated that greenery is an essential part of restaurant space if, without greenery, it will lack enthusiasm and vitality due to the limitations of restaurant space and others. Aydogan and Cerone stated in their article about the benefits of plants in the indoor environment that offer psychological, physiological, and cognitive benefits [6]. Especially regarding the effect of plants on indoor air quality. in their article, Deng L and Deng Q describe the role and importance of indoor plants in human health and comfort [7]. Indoor plants have an indirect and subconscious psychological effect on task performance, health, and stress levels. Navvab M stated that natural lighting is needed if the space applies a green/plant system. Currently, the reforestation system and the application of plants in space and architecture are as crucial as applying other elements of space, such as furniture [8]. Even the space must be thought out permanently in the early days of designing by applying greenery and plants to the space. Architectural design application of how glazing systems contribute to plant growth and can be integrated with lighting design systems. Cameron, in his book, states that the inclusion of plants in the room brings challenges to the design and needs good attention because it presents challenges for plants such as improper irradiation, temperature, humidity, irrigation, air environment, and nutrition. However, the presence of plants in the interior and building environment provides excellent benefits for humans [9]. Next, this research can be developed to discuss how plants and reforestation can affect visitor behaviour. It can be seen from the emotional, cognitive, and behavioural sides [10]. This study aims to develop Interior Design science and will also be helpful as a reference for research related to greening systems in public spaces and also part of green design.

2. Method

This paper discusses the greenery system and plants and their impact on the existing interior of a cafe restaurant. The case study taken is Jardin Café, a restaurant cafe that uses the Garden/indoor garden design concept. Cafe This restaurant applies greenery and plants as one of the dominant design elements as one of elements that strengthen the design concept. The application of this system of rain and plants impacts other design elements, such as the shape of space, material, and texture. This study uses a qualitative descriptive discussion method supported by field observations. Direct observation in the field

is a suitable method to directly see the impact of applying plants and greenery to the interior and its elements.

3. Results and Discussion

People have become disconnected from nature and enslaved inside buildings as a result of today's living conditions. As a result, people spend most of their time away from green vegetation in artificial environments. Urban residents always look for locations to relieve fatigue by visiting areas with natural elements [5]. A restaurant or café is one of the leisure facilities for urbanites to spend their time taking a break from work or spending time.

Jardin cafe is one of the most famous cafes in Bandung and is one of the cafe restaurants in Bandung that many young people visit. This cafe carries plants and greenery as a general exterior and interior concept. Plants and greenery can be seen outside this cafe, as shown in picture 1. The name Jardin in French means garden or garden, so according to the meaning, the interior style carried by this cafe is natural tropical. The hallmark of the tropical style is an expansive terrace, which has lots of air ventilation, ample roof space, an open space arrangement and plants. With the use of this natural tropical interior styling, the interior atmosphere of this cafe seems like being in the middle of a park or garden (Figure 1). Jardin cafe has an attractive interior concept, so it is suitable as a gathering place or adding to a collection of aesthetic photos to be exhibited on social media. It can be used as a promotional event.



Figure 1. Exterior Café Jardin

Various types of plants are presented at Jardin's cafe, ranging from types of palms such as commodore palm, Balinese pandanus palm, phoenix palm, and several other tropical plants. The dimensions of the plant also vary, from thirty centimeters to two meters. There was even a tiny plant placed on the table. The application of plants and greenery in the interior of Jardin's cafe is quite dominant, not only as decoration but also as a form of interior treatment, such as placed on the floor, walls and ceilings treatments. Café Jardin consists of several floors, and the dining area consists of a semi-indoor/outdoor dining area and an outdoor dining area (Figure 2). All of the dining areas carry the same concept, namely gardens, and apply various kinds of plants adapted to the area's conditions. There is no indoor dining area in this cafe, and it is more semi-indoor or semi-outdoor. The semi-indoor dining area is presented in the form of a terrace with large openings or even without windows. The main area is located on the rooftop area. The ceiling is 50% wood and 50% glass in this area. (Figure 3).



Figure 2. Area Makan Outdoor Café Jardin

Natural lighting is an essential component of any interior design that incorporates a greenery and plant system. Plants can grow faster and be more prolific when exposed to natural light. It is a difficult task to create a room that maximizes the amount of light that comes in a while simultaneously maintaining the comfort of the visitors.



Figure 3. Area Makan Semi Indoor Café Jardin

The ceiling using transparent glass material in the dining area is intended so that sunlight can enter the room so that this cafe can apply various kinds of plants in the dining area. Natural light is one way of caring for plants to keep them alive in the room. With this access to natural light, the plants in the dining area are not only removable plants but also plants that are 'built in' in the sense that they do not need to be moved. In this area, the triangular ceiling of the room with a transparent glass roof material serves to optimize natural light. On the room ceiling, there are also hanging plants of bird's nest nails as an interior treatment (Figure 4). In his article, Navvab M states that natural lighting is essential to be applied to a space when designing a greening system and plants in the room. This greening and plant system should be planned and evaluated early in the design process and is just as important as the furniture design [9].

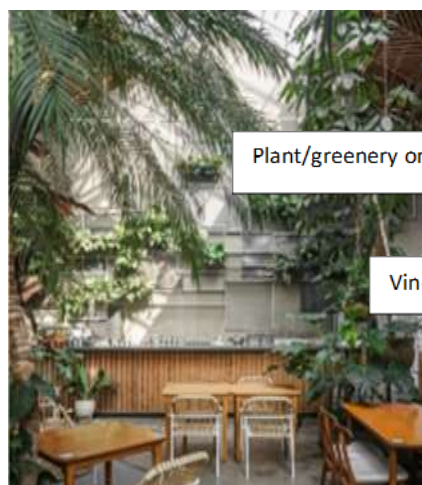


Glassroof as
daylighting
access

Figure 4. Ceiling Area Makan Semi Indoor Sebagai Akses Pencahayaan Alami Café Jardin

Café Jardin uses an open plan café concept in the semi-indoor rooftop dining area. The bar room, service, and dining area are united in one area without a partition. This area also has a high space and is open / without windows, allowing air to circulate correctly. There is a backdrop with checkered accents containing several plants as a treatment for the backdrop in the bar area. In the visitor's dining area, potted plants are placed on the right and left sides. The plants here have various sizes, from short to towering, and are dominated by palm types. The existence of plants also functions as a barrier in the dining area.

A room has various elements to support the function of the space, such as ceilings, walls and floors. Several places in Jardin Café have an open plan concept. The open-plan space is the hallmark of the tropical space concept. Giving treatment to the ceiling, walls and floor in an open-plan room makes the view move throughout the room and makes the space feel balanced. In figure 4, there is an ornamental plant as an interior treatment placed in front of one of the massive walls, thus giving a tropical atmosphere and eliminating the bland impression in this area. In addition, in Figure 5, there are windows and hanging plants as an interior treatment on the ceiling, placed parallel to the furniture. Placing the interior treatment on the same axis as the furniture will connect everything and create balance in the room [5]. Restaurants with indoor plants had a higher beneficial effect on participants' purchase decisions than restaurants without indoor plants, according to Yildirim K et al. Leaf, flower, and fruit colors, as well as plants with or without flowers, have significant effects on the individual and the interior, and those plants added dynamism to the interior, eliminated monotony, provided color and texture balance, and changed the interior atmosphere [5].



Plant/greenery on Bar backdrop wall

Vines Plant/greenery on poles

Figure 5. Jardin Cafe Semi Indoor Bar Area

The restaurant room is an activity area for modern society. People who come to a restaurant not only satisfy their appetite but also want to enjoy the atmosphere visually. The application of greenery, especially vertical ones, can increase the restaurant's affinity and beautify the environment. So that the restaurant can be used as a place to rest and reorganize. Humans have a close relationship with nature, so integrating the natural world into deep space can effectively increase human engagement with nature and, in turn, can benefit their health and comfort [6]. The benefits of using indoor plants have potential applications in other areas, including sensing, solar energy, acoustics, and people's health and comfort. Making full use of the various effects on plants is beneficial to human health and comfort [8].

4. Conclusion

The application of plants as an interior treatment at the Jardin Cafe has become the dominant interior treatment that can strengthen the concept carried by the cafe. The placement of plants is adjusted to existing elements such as walls and ceilings to eliminate the impression of being boring and create a sensation of a well-organized space. The presence of plants in Jardin Cafe can create a unique and functional space. Greening systems and plants are essential elements in interiors and buildings. They need to be evaluated from the beginning of the design to minimize side effects on these plants. The existence of a reforestation system and plants has a significant impact on the existing interior and building forms and the use of materials.

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