Eco-friendly materials in interior design of Pecel Solo restaurant

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Abstract. In Indonesia's major cities, as well as in Solo, the phenomenon of the growth of restaurants with concepts that present the atmosphere of the past is growing. Pecel Solo restaurant was chosen because, in addition to being a one-of-a-kind building in Solo, it also has a touch of Javanese ethnic. A research that will be observed in the study is how to use ecologically friendly materials in the interior of the Pecel Solo restaurant. The use of environmentally friendly materials in space-forming elements and space fillers is the focus of this research. This research uses a descriptive qualitative approach with case study methods, with analysis departures from field observation data that pertains to the appearance of the interior. The research found that using environmentally friendly materials in the interior design of Pecel Solo restaurant is a style of sustainable interior design. The research is also intended to serve as a model for using environmentally friendly materials in restaurant interior design.

1. Introduction
Currently, eating meals outside the home is a common occurrence in metropolitan neighbourhoods. Busy with work and everyday routines, preparing dishes and dishes outside the home is a way to meet daily demands. Ariwibowo [1] aim to offer a variety of culinary menus, from home cooking to noble meals with extremely high costs, in the growth of restaurants.

Saeroji and Wijaya [2] state that Surakarta, with its various potentials, has a big opportunity in its development efforts as a gourmet destination city capable of luring tourists. Furthermore, Surakarta City's gastronomic potential, which is dispersed across the city, is quite diversified and intriguing. This is consistent with Surakarta City Regional Regulation Number 9 of 2016, which specifies a goal, namely "The Realization of Surakarta as an Independent, Advanced, and Prosperous Cultural City" for the Surakarta City's Medium-Term Regional Development Plan for 2016–2021 [3]. Waras, wasis, wareg, dan mapan missions all contribute to regional competitiveness. Surakarta's problems in becoming a highly competitive city necessitate cross-sectoral solutions from general administration, economics, socio-cultural areas, and infrastructure. There are at least three attractions in the tourist industry: culture, culinary, and shopping tourism.
The phenomena of the creation of restaurants with ideas that depict the atmosphere of the past has emerged in Indonesia's major cities, including Surakarta. Attempts to recreate a bygone era were a source of romanticism for some. The layout of interior architecture is the key aspect, in addition to the menu as the spearhead of the culinary company. The desire to be able to experience the environment of the past is still a tendency, particularly in light of the Covid-19 epidemic. Where everything is more likely to be kept at home, memories to reminisce about the past are frequently present. Work, gardening, exercise, play, and other activities are all done at home. At times, the urge to reminisce about the past might be satisfied by visiting locations that evoke memories of the past, such as the second-hand market or the antique market, as well as restaurants. The Pecel Solo restaurant in Surakarta is one of the restaurants that strives to recreate the ambiance of the past with a touch of Javanese heritage. Sisil [4] found that the Pecel Solo restaurant opened in 2006 and is owned by Hengky Herendra Dewantoro, an antique collector and hunter. Efforts to keep traditional foods alive, complemented by an exhibition of his extensive antique collection.

As we all know, since the Covid 19 virus invaded Indonesia and continues to this day, the number of visitors to Solo's food booths has fallen dramatically. This circumstance definitely has a significant impact on the presence of restaurants in Indonesia, particularly in Surakarta. The closing of several restaurants reduced income and had a direct influence on the reduction of staff. Prior to the Covid Pandemic in Surakarta, there was a rising tendency in the restaurant sector. According to the Surakarta City BPS in Surakarta City in Figures 2017–2020, the number of restaurants increased by about 10%, from 693 to 727 [5].

This study was conducted at a time when the Covid 19 epidemic was, and continues to be, a major concern in Surakarta, Indonesia, and across the world. As of today, the COVID-19 pandemic is not expected to cease; instead, it will become an endemic that humans can manage more effectively. Various attempts have been and are being made by the World Health Organization [WHO] and all governments across the world.

2. Methods
The research method employed in this study is field research. The study employs a descriptive qualitative approach using a case study technique, and the analysis is based on field observation data pertaining to environmentally friendly materials utilized in the interior design of Pecel Solo restaurant. The study will generate descriptive data in the form of descriptions describing the circumstances of employing environmentally friendly materials in the interior design of the Pecel Solo restaurant.

3. Results and discussion
Pecel Solo restaurant is in Kampung Turisari, which is on Jl. Prof. DR. Supomo No. 55, Mangkubumen, Kecamatan Banjarsari, Surakarta According to the building's exterior, the Dutch colonial architectural style is strongly associated with this restaurant. The building's front is symmetrical with repetition (Figure 1), wearing a saddle packed with symmetrical wooden embellishments, and the dominance of white hue adds to the sense that it is more conspicuous than the neighboring buildings.
Figure 1. The Pecel Solo restaurant building from the front. Photo: Jalu Pembarep, 2021

The Pecel Solo restaurant building is a four-story split-level structure with two short staircases connecting each floor with a distinct level height (Figure 2).

Figure 2. Layout of Pecel Solo restaurant. Redrawn: Judo, 2021

The presence of a terrace, with corrugated asbestos roofing material and wrought iron consuls as roof supports, greets visitors as they enter the Pecel Solo restaurant building (Figure 3). The terrace floor is made up of patterned tiles (Figure 4).
When we enter the building, we will discover a dining room on each story, a kitchen on the first and second floors, and private rooms on the third and fourth stories. Tile tiles, whether plain or patterned, are used in all floor coverings. Terracotta bricks and tile tiles are used as wall coverings on some of the walls (Figure 5). The dominance of wood in the choice of Furniture and Artwork is extremely evident, and the subtleties of the Javanese interior are very dense. Antique decorations also work well as a complement, placed in such a manner that they fill the area.

The prominence of wood in the interior design of the Pecel Solo restaurant is directly connected to the material used. This is consistent with Inggit Musdinar [6] assertion that the materials used in a building play a vital role in achieving energy savings and environmental goals. The use of environmentally friendly materials, particularly ecological or environmentally friendly materials, can result in excellent structures that are also ecologically beneficial. According to Fivanda [7], environmentally friendly materials meet several criteria, including the following: first, it is non-toxic in its use, second, it is safe for the environment in its manufacturing process, third, it can connect humans with nature, fourth, it is easy and close in acquisition, fifth, it can be decomposed naturally, and sixth, it contains the principles of Renewable, Reuse, and Recycle. Wood is abundant in the area near Solo, and in Java in general, making it a relatively easy resource to procure. The bulk of the wood components
used at Pecel Solo restaurant are finished naturally, with the exception of a few that are not (Figure 6). Good grade wood is thought to be able to survive for tens or even hundreds of years.

![Figure 6. Furniture and artwork in the first floor indoor dining room, which is dominated by ancient teak wood. Photo: Anung B Studyanto, 2021](image)

Eco-materials are materials that are renewable, recyclable, and use little energy. Hendrasukma [8] went on to say that, in terms of the environment, wood is a natural material that can be regenerated; if it is not utilized, it may be recycled into new forms and purposes. The use of old furniture in the interior of a room is an effort to decrease furniture waste in garbage disposal and, as a result, the use of energy and natural resources. The usage of furniture and artwork made of old or used wood at Pecel Solo restaurant is a conscious attempt to employ ecologically responsible interior materials while also adding aesthetic value and distinction (Figure 7). Ervianto et al. [9] apart from being an attempt to protect the environment, the use of recycled materials on the restaurant's interior features is meant to follow eco-style trends and give visitors with a one-of-a-kind experience.

Ciwendro [10] with the use of eco-interiors, the quality of a healthy interior environment for users may be attained by saving resources, whether intentionally or subconsciously. The use of ecologically friendly materials in the Pecel Solo restaurant is thought to increase the quality of the interior, which benefits both management and guests in general.

![Figure 7. Furniture and artwork in the second-floor dining room, dominated by ancient teak wood. Plain tiles and](image)

![Figure 8. shows a formalized paraphrase. Furniture and artwork on the second-floor dining room, dominated by ancient teak wood. For railing voids, a combination of wood and](image)
themes are used as floor coverings. wrought iron is used. Photo: Anung B
Photo: Jalu Pembarep, 2021 Studyanto, 2021

As previously said, the interior ambiance of the Pecel Solo restaurant is dense with Javanese cultural subtleties, as seen by the different selections of furniture, artwork, and antiquities (Figure 8). The Javanese ethnic interior motif is a popular choice for creating a mood. Sarihati et al., [11] the existence of physical features of Javanese structures with qualities capable of producing a picture of Javanese space can provide the atmosphere. Teak wood dominates the decor of the Pecel restaurant, which is understandable given that teak wood is highly known to the Javanese. Despite the fact that it is not indigenous to Indonesia, this plant imported from India began to be cultivated around the conclusion of the Hindu era. Priyatmoko [12] teak wood was once known as sacred wood because it was grown around temples to worship the gods.

According to the study's findings, the Pecel Solo restaurant's interior design utilizing ecologically friendly materials (table 1) gives birth to distinctiveness, allowing it to develop its own character. The utilization of antiquities, on the other hand, merits deeper investigation of what is in the interior of the Pecel Solo restaurant.

Table 1. Environmentally friendly building materials were classified in the interior of the Pecel Solo restaurant, environmentally friendly building materials by Frick and Suskiyatno [13]

| A. Shaper of Space | Material                        | Environmentally Friendly Classifying                                      |
|--------------------|--------------------------------|--------------------------------------------------------------------------------|
| 1. Floor           | Tile                           | Simple transformational changes in building materials                        |
| 2. Wall            | stucco bricks, roster          | Simple transformational changes in building materials                        |
| a. Door            | Wood                           | Building materials that may be reused                                       |
|                    | Metal                          | Simple transformational changes in building materials                        |
|                    | Glass                          | Building materials that may be reused                                       |
| b. Window          | Wood                           | Building materials that may be reused                                       |
|                    | Metal                          | Simple transformational changes in building materials                        |
| c. Stair Railing   | Wood                           | Building materials that may be reused                                       |
|                    | Metal                          | Simple transformational changes in building materials                        |
| 3. Ceiling         | fiber cement plate             | Composite building materials                                                 |

| B. Space filler    | Material                        | Environmentally Friendly Classifying                                      |
|--------------------|--------------------------------|--------------------------------------------------------------------------------|
| 1. Furniture       | Wood                           | Building materials that may be reused                                       |
|                    | Wood                           | Building materials that may be reused                                       |
|                    | Wood                           | Building materials that may be reused                                       |
|                    | Wood                           | Building materials that may be reused                                       |
|                    | Wood                           | Building materials that may be reused                                       |
|                    | Wood                           | Building materials that may be reused                                       |
|                    | Wood                           | Building materials that may be reused                                       |
| 2. ArtWork         | Wood, Paper                    | Building materials that may be reused                                       |
|                    | Canvas                         | Simple transformational changes in building materials                        |
| b. Mirror/Capsstock| Wood                           | Building materials that may be reused                                       |
|                    | Glass                          | Simple transformational changes in building materials                        |
| c. Loro Bloyo      | Wood                           | Building materials that may be reused                                       |
| d. Deer Head       | Wood                           | Building materials that may be reused                                       |
| e. Wall decoration | Wood, Leather                  | Building materials that may be reused                                       |
| f. Decorative Lighting | Metal                     | Simple transformational changes in building materials                        |
4. Conclusion
In terms of interior design, building materials at the Pecel Solo restaurant have a beneficial influence due to the use of ecologically friendly materials, energy savings, natural resource savings, environmental health, and offering comfort for guests. The use of ecologically friendly elements in the interior of the Pecel Solo restaurant, such as antique furniture and artwork, may also contribute to the restaurant's individuality and character.

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