

MATERIALS SELECTION FOR MANHATTAN HOTEL INTERIOR IN PANDEMIC ERA

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ABSTRACT

Manhattan Hotel is a 5-star business hotel located in the prestigious golden triangle area in South Jakarta. The interior design of the Manhattan Jakarta Hotel must be adjusted to the business function, including facilities that support the smooth operation of its users. To increase competitiveness with other business hotels in Jakarta, Hotel Manhattan Jakarta requires uniqueness and advantages in order to compete with other hotels. With complete facilities and an aesthetic hotel design, it can be an attraction for visitors to choose the Manhattan Jakarta Hotel. This study aims to obtain a material scheme that can strengthen the image of the Manhattan Hotel, and easy to maintain. The data collection method used in this compilation is by using qualitative descriptive methods through primary data related to the Manhattan Hotel, and secondary data related to interior design theory, especially regarding materials for space-forming elements, such as textbooks and sources of scientific journals that have been published on the internet regarding research topics that support this writing. This research is expected to produce interior design according to the image of the Manhattan Hotel which is a mixture of American design styles which are the country of the city of Manhattan. The modern touch is taken from the image of the modern city of Manhattan, and this hotel is located at the center of Metropolitan Jakarta.

Keywords: Application, american modern, hotel, material, manhattan

1. PREFACE

Hotel Manhattan is a 5-star business hotel located in the prestigious and strategic golden triangle area in South Jakarta, [1]. The design of the Manhattan Jakarta Hotel must be adapted to business functions, including facilities that support the smooth operation of its users. To strengthen the hotel's image, Manhattan Hotel requires uniqueness and advantages in choosing safe and easy-to-clean material schemes so that it can become a hotel advantage. With complete facilities and an aesthetic hotel design, it can be an attraction for visitors to choose and stay at the Manhattan Jakarta Hotel.

This hotel needs to improve its interior design. This is based on some factual data collected from Google reviews, online news reviews and surveys to the public.

Figure 1

Public Interest in Staying at 5-Star Hotels



Table 1
Google Review About Manhattan Hotel

Name	Rate	Review
Sa*** Ib*****	1/5	The room is dirty and neglected.
M S***	1/5	The interior of the hotel seems old and not like the advertised 5-star hotel.
Fe*** Ar*****	1/5	The room is spacious but too dark, the facilities are outdated, the resting place is uncomfortable, the cleanliness is lacking, the bathroom floor is slippery.
Ju***** E**	1/5	The toilet floor is slippery. The desk has no storage drawers. Outdated furniture.
Aut***** Wi*****	3/5	Far from expectations, looks luxurious from the exterior, but the interior is ancient and may not be maintained properly.
Di*** Hof*****	1/5	The bathroom is not clean, and needs repair. The room needs to be renovated because it doesn't look good anymore.
Tat***** Ma***	1/5	The room seems old and outdated.
A** Theu*****	1/5	The curtain doesn't work properly so light comes in all the time, the bathroom ventilation is not good, the aircon doesn't work according to the size of the bathroom.
A** Als*****	1/5	The room is too old, needs renovation
Mic***** Oli***	1/5	There is furniture that doesn't work and is dirty.
Hos*** Kh***	1/5	Very ugly and dirty room
Ik** Ba**	1/5	The interior of the room is very old, even the bed mattress for a hotel of this class can make a sound, strange. The bathroom tub is not clean.

In general, business hotels will seem modern and exclusive, but in this design the choice of style and theme must be considered based on the image and the area around this hotel because this hotel is in the center of the city. This will be unique for the Manhattan Hotel which will make a difference with the surrounding hotels so that it will attract the attention of visitors to spend the night or do their professional business here.

The current pandemic condition has changed all aspects of people's lives, including the accommodation business. Hotels are experiencing a decline in demand, because people are encouraged to stay at home more and reduce travel that is at risk of spreading the virus. As a result, the hotel becomes empty of visitors and its income decreases. to attract visitors, the hotel must emphasize the security and safety aspects of hotel visitors. One of the efforts that can be part of hotel promotion is a design that is safe for visitors because it uses selected materials.

Related to the pandemic era these days, material selection has taken place as important role not only to support the design concept but furthermore it has to guaranty the user safety. As Pratiwi mention to her article, interior design should not ignoring the material maintenance [2]. The material applied to the interior of the Manhattan hotel must be easy to clean, thereby reducing the risk of spreading the COVID-19 virus.

Similar research conducted at Manhattan Hotel was to analyze visitors interest to buy accommodation services [3], or to analyze the influence of advertising and promotion in Manhattan Hotel [4]. Another researches were already focus on interior design, as it has been

reported by Arsita [5], Catherine [6] and Genesis [7], but they were not contextual to pandemic era nowadays.

Research on the material selection for hotel interior has been conducted by Rena [8], at lobby area of Best Western Premier Hotel, West Jakarta. The aim of that research is to strengthen the hotel interior image as luxury hotel. The change of interior concept has been researched by Fivanda and Ismanto [9], with the spatial requirement specially for working area. Also research about thermal and ventilation comfort has been conducted by Ratnasari and Asharhani [10] particularly for residential design. The research is not related to hotel interior as object of study. None of them discussing about the contribution of material selection for hotel interior to users safety in pandemic era.

The research is considering the interior design concept and the visitors' health and safety, since hotel is a public space where people gathering and meet each other. Indonesia government has already announce guidelines to be applied at hotel [11]. This guideline is mean for the hotel management, visitors and the staff. The only point stated on this guideline about materials is to select sustainable material, to be processed as recycle, reduce, reuse and replace. Therefore, in general, the criteria for a good material to prevent the spread of the covid virus during this pandemic are materials that are easy to clean. The result is an application of design consideration on material selection to support visitors' health and safety.

The rest of the paper is organized as follows. Section 2 introduces the preliminaries used in this paper, which include design problems and design objective. Section 3 presents the design methods used to solve the design problem through design process. Section 4 discussing the guidelines for material selection for Manhattan Hotel and the application in interior design. Section 5 provides a conclusion on the interior design process for The Manhattan Hotel Restaurant by applying materials selected for this pandemic era.

Current interior of Manhattan Hotel got negative perspective from visitors as it has explained in introduction above. As a five star hotel, Manhattan Hotel does not meet the criterias and requirements. The material selection need to support hotel image as a five star hotel, also meet the requirements to be easy to clean.

Figure 2

Existing Interior of Manhattan Hotel



Figure 3

Another Room Design at Manhattan Hotel



The application of materials to the elements that make up the interior spaces that are safe and easy to clean at the Manhattan Hotel aims to strengthen the visitor's image and perception of the image of the Manhattan Hotel so that it gives the impression of a fresh and clean interior by using materials that are in accordance with the American Modern theme that will be raised in this design. Visitors need comfort, convenience and experience when visiting or staying at this hotel, so it is necessary to use safe materials, such as choosing non-slippery floor materials in the bathroom, applying safe designs for children, using floor tiles in the design, implementation simple panel profile. Neatness and cleanliness in the interior also affect comfort and reduce visitor anxiety.

Several things can be done to apply safe and easy-to-clean materials in Interior Design, namely:

- (a) Using duco paint finish, because it is easy to clean and resistant to water so that the inside is not exposed to water seepage and reduces formaldehyde emissions. [13]

Figure 4

Suggestion for Room Interior, Duco Paint Application on Wall Panels



As it shown at Figure 4, the wall panels are used to support the characters of American Classic. It gives luxury ambience to the hotel room, but still contextual to modern spirit. The wall panels are finished with white duco paint, to keep its elegance with the smooth texture. The texture of wall panels also is easy to clean because it has no pore that might keep the virus.

- (b) Using HPL finishing that can reduce the number of viruses on interior surfaces, namely HPL Anti-Virus (AICA Virutect). [14]

Figure 5

HPL Anti Virus



Another alternative for material is Anti-Virus' HPL as it shown at Figure 5, which is also easy to clean. HPL is an affordable material to be considered rather than duco paint.

Research conducted by Yaoyao [15] describe flooring material with anti bacterial character. Those materials are vinyl, linoleum and natural cork. Linoleum is absolutely sustainable material because it made from a mixture of linseed oil, resins and other substances. However, linoleum and natural cork are hard to find and it is expensive. Linoleum used to be applied for hospital floor. Vinyl is easier to get in market.

(c) Reducing the use of fabric material because it easily absorbs dust and stains. [15]

Figure 6

Fabric Material



Not using carpet for hotel interior is a hard decision because carpet is a very common material that brings comfort with its ability to absorb noise. Carpet has several choice of structure, the most easy one to clean is a short cut pile. Although it has a lower ability of absorbing noise, it still a good compromise alternative to avoiding the spread of virus.

Soft furnishings on hotel room also need more often maintenance, because fabric is easy to absorb dust and any micro thing such virus and bacteria.

(d) Using a wall panel with plywood material to make it stronger for public space areas and using a simple shape for easy cleaning. [16]

Plywood made from several layers of wood veneer that are perpendicular to each other. Those layers are being pressed with strong adhesive that make it stiff and strong. That process makes plywood as an ideal material for public spaces with high traffic and activities.

Figure 7

Suggestion for Room Interior Design, Applying Plywood for Wall Panel



(e) Using closed storage shelves so that storage items are not dusty and easy to clean.

Hotel room storage used to be open design, to make it easy for user to access and also to reduce furniture cost. But open design storage is not suggested for pandemic era, since it might exposed the clothes to the room air and virus. The safe design for storage to prevent the spread of the virus is closed storage design.

Closed storage is only suitable for large space, because it makes spaces look full of furnitures and the circulation area looks narrow. So this choice is great idea for Manhattan Hotel since it has a large room area. As shown at Figure 8, closed storage should finished in bright colour or cover with mirror. This materials and finishing would help user perception of the hotel room.

Figure 8
Closed Storage



(f) Bright or light colours finishing would be perceived with cleanliness by users [18]. A research conducted by Magnini and Zehrer found that users tend to feel secure because their perception from degree of lighting, presence of greenery, the materials shininess, schents, white bedding, and the presence of cleaning staff.

Figure 9
Subconscious Influences on Perceived Cleanliness

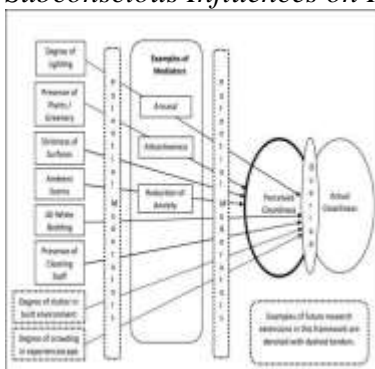


Figure 10

Light Colour of Hotel Interior



As shown at Figure 10 above, light color dominates Hotel room. It would affect the user's perception so that they feel calmer and safer to stay at the hotel.

Including large exposed windows in the room, will enter natural sunlight into the interior. The ability of sunlight to kill germs will further convince users of the safety of hotel rooms.

2. RESEARCH METHOD

This research uses descriptive qualitative method to explain the analysis process aimed at obtaining suitable material schemes for Manhattan hotels. The interior design process of the Manhattan Hotel in general uses the design process as presented by Kilmer [12], which consists of 8 (eight) steps, consisting of: (a) Commit, which is the stage of commitment to complete the interior design process of the Manhattan Hotel according to a predetermined schedule; (b) State, which is the stage of determining the design problem as well as the strength of the interior design of the Manhattan Hotel, one of which is the material for the space-forming elements at the Manhattan Hotel; (c) Collect, which is the stage of collecting primary data related to the Manhattan Hotel and its location, as well as secondary data about hotel interior design in general and the theory of knowledge of interior materials in particular; (d) Analyse, namely the analysis stage by comparing the image of the Manhattan Hotel to alternative materials that can strengthen the image of the Manhattan Hotel; (e) Ideate, namely the design exploration stage with selected materials in several alternative applications; (f) Choose, which is the stage to determine the best alternative in the application of selected materials that can strengthen the image of the Manhattan Hotel; (g) Implement, namely the stage of making working drawings and interior presentation drawings as a form of application of selected materials; (h) Evaluate, namely the evaluation stage to get feedback on the implementation of the design with selected materials.

Data collection techniques to obtain primary data sources are carried out by means of surveys through data on the internet and existing data obtained from architects. The data consists of the size of the room and the use of materials and shapes in the existing interior. Techniques or methods used by the author in collecting data are: (a) Survey. Collecting Manhattan Hotel information and data on the internet, especially related to the materials used in the Manhattan Hotel interior; (b) Literature Study. Collecting data related to the application of materials, especially in hotel interiors, through general interior theory and relevant previous research. Including interior material references with images that match the image of the Manhattan Hotel, with easy and safe maintenance for visitor; (c) Documentation Method. Look for documentation in the form of photos and videos about the Manhattan Hotel on the internet; (d) Data Processing Method. The data is selected and sorted according to the possibility of applying interior materials to the floors, walls, and ceilings of the Manhattan Hotel, taking into account the reference to the application of materials to the interior which has an image that matches the image of the Manhattan Hotel, with

easy and safe maintenance for visitors; and (e) Data Analysis Method. Alternative material data for floors, walls and ceilings are analysed according to the need to strengthen the image of Manhattan hotels, with easy and safe maintenance for visitors. The results of the analysis in the form of selected materials are then applied to the interior of the Manhattan Hotel in the form of working drawings and presentation drawings.

3. RESULT AND DISCUSSION

Several things can be done to apply safe and easy-to-clean materials in Manhattan Hotel Interior Design, namely:

- (a) Using duco paint finish, because it is easy to clean and resistant to water so that the inside is not exposed to water seepage and reduces formaldehyde emissions. [13]

Figure 11

Duco Paint Application on Wall Panels



As it shown at Figure 11, The wall panels are finished with white duco paint, to keep its elegance with the smooth texture. The texture of wall panels also is easy to clean because it has no pore that might keep the virus.

- (b) Using HPL finishing that can reduce the number of viruses on interior surfaces, namely HPL Anti-Virus (AICA Virutect). [14]

Figure 12

HPL Anti Virus



Another alternative for material is Anti-Virus' HPL as it shown at Figure 12, The wall panel and furniture using antivirus HPL material.

- (c) Reducing the use of fabric material because it easily absorbs dust and stains. [15]

Figure 13

Minimize Fabric Material



As it shown at figure 13, minimize the use of fabric by using leather on sofa and not using carpets on the floor.

(d) Using a wall panel with plywood material to make it stronger for public space areas and using a simple shape for easy cleaning. [16]

Figure 14

Suggestion for Room Interior Design, Applying Plywood for Wall Panel

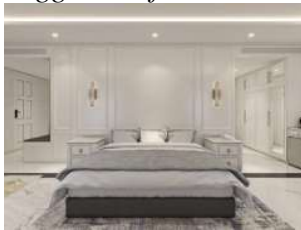


Figure 14 shown above, is an application of plywood as wall panels that finished with duco paint. The clean and simply look from the wall panels in the hotel room strengthen the interior concept of Manhattan hotel.

(e) Using closed storage shelves so that storage items are not dusty and easy to clean.

Figure 15

Closed Storage



(f) Bright or light colours finishing would be perceived with cleanliness by users [18].

Figure 16

Light Colour of Manhattan Hotel Interior



As shown at Figure 16 above, light color dominates Manhattan Hotel room. It would affect the user's perception so that they feel calmer and safer to stay at the hotel.

4. CONCLUSIONS AND RECOMMENDATIONS

The application of materials to the elements that make up the interior spaces that are safe and easy to clean at the Manhattan Hotel aims to strengthen the visitor's image and perception of the Manhattan Hotel image so that it gives the impression of a fresh and clean interior by using materials that are in accordance with the American Modern theme that will be raised in this design. As concluded in a study [17] the selection of materials during this pandemic focuses on materials that are easy to clean so that users feel safe and help prevent the spread of the virus, so the use of materials is one of the factors that need to be considered in the interior design of the Manhattan Hotel.

The advantage of this research that has been carried out is that it uses safe and easy-to-clean materials combined with the American Modern design theme that matches the image of the Manhattan Hotel that will be adopted in this design.

The shortcoming and limitation of this research is the lack of exploration of the latest safe materials circulating in the marketplace today.

The suggestions to be submitted for further researchers: Observations and interviews regarding user activities in the Manhattan Hotel, both from workers and visitors, are very necessary in meeting user needs for the Manhattan Hotel interior, so that they can apply the design more maturely.

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