

## DESIGNING CO-WORKING SPACE AND CAFE WITH MODERN ARCHITECTURE APPROACH

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### ABSTRACT

Modern architecture emerged because of advances in technology which made people tend to choose something that was practical and economical. In simple terms, modern style aesthetics can be said to be a minimal form of construction in the past. In modern architecture the focus is more on processing space as the main object and looks simpler. Modern architecture emphasizes functional and efficient principles. Functional means the building must be able to accommodate all activities within the building and efficient is more applied to efficient time, costs and maintenance. The main principles of modern architecture are, a style that is the opposite of the classical style, adheres to the principle that materials and function will determine a building, is related to machines and technology, does not use any ornaments or carvings. The characteristics of modern architectural buildings are the lack of ornaments and decorations, using modern materials and systems, utilizing light coming in through glass windows, using more open spaces and optimizing the function of the room. This co-working space design is located on Jl. Karya Dalam, East Helvetia, Medan City, North Sumatra. The location is not on the side of the main road, but this does not rule out the possibility for visitors to come, because around the location there are several cafes which are busy with visitors. The location of the design location in the East Helvetia area is in a residential area.

**Keywords:** Modern Architecture, Office, Co-working Space

### INTRODUCTION

*Co-working space* is a work space building that uses a rental system, which adapts to a flexible way of working. *Co-working space* not only provides work space, but also provides meeting rooms and rental offices. *Co-working space* is not only intended for office workers, but can also be used for students and the general public as well.

Cafe is a form of business that prioritizes concept, testing and service (Pamungkas & Yuliansyah, 2017) . *Café* is a business place in the culinary sector that offers drinks and snacks in a relaxed atmosphere. *Cafés* usually do not serve heavy meals but do provide light meals, but there are also some *cafés* that serve heavy meals. The atmosphere of *the café* is made relaxed and comfortable, not only used for eating and drinking. *The café* can also be used as a place for work and discussion.

In the current era own system developing technology with fast , this influence with method workers ' work dirt. With system increasingly technology advanced workers more Can Work with more efficient and flexible . Even For meeting just Now This Can done Where just with use application online meeting . Because it's the workers office Now This No only work at office only , but workers also take advantage *café* or *coffeeshop* For place possible work feel bored with atmosphere office . So from That necessary building with more room comfortable for workers . One of them that is form " *Co-Working Space* " building .

In the city of Medan *Co-Working Space* Can spelled out increasingly popular among people child young . In today's era with time flexible work make workers more choose more places comfortable and relaxing For they finish work . In Medan there is a number of *co-working spaces* , namely : Cohup Co-working space, Cradle Coworking and Event Space, SAGA

Creative Hub, and others. Planning *Co-Working Space* with use approach modern architecture can create comfortable atmosphere moment Work.

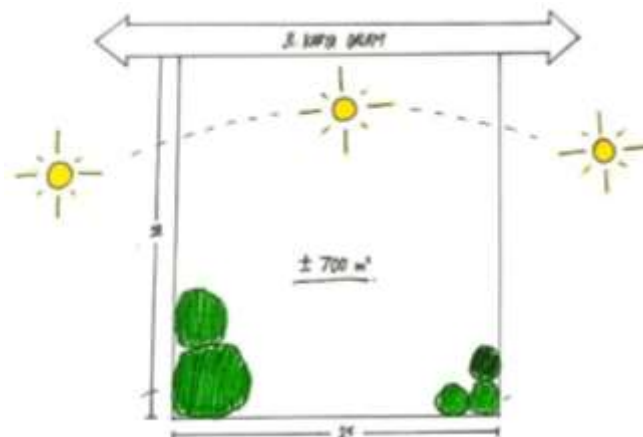
Based on several backgrounds that have been outlined above, then formulation problem planning is how planning and designing *Co-Working space* and *cafe* with application modern architecture. This design aims to providing a workplace with a more relaxed and comfortable atmosphere by creating a co-working space and café with the application of modern architecture.

### Design Method

This design involves five phases or processes, encompassing programming (site and building), analysis (site and building), conceptualization (site and building), and the synthesis of design (Nuraini & Sudrajat, 2010). The presentation in this manuscript does not entirely depict the design process but only a portion due to time constraints in writing and publication page limits.

### The Data of Site

Site analysis was carried out around Jalan Karya Dalam Helvetia Timur , the site is located in the center settlement resident . The dominant site area is in residential areas residents , houses sick and school then, for the lighting system on side east has level light highest in the morning day as main entrance, then on afternoon on west side. So, open more a lot on room that is areas east building. As for the noise level is on Jalan Karya Dalam because it is a road main for more active community residential areas.



**Figure 1.** Land Conditions  
(Source: Author's Analysis , 2023 )

### Site Location

This co-working space design is in a residential area resident . The location is not on the side of the main road, but this does not rule out the possibility for visitors to come, because around the location there are several cafes which are busy with visitors. Access for going to to neither does location difficult because No too Far from road main.

**Table 1.** Design Location

Location	Jl. Karya Dalam, East Helvetia, Medan
Province	North Sumatra
Wide Land	700m <sup>2</sup> (28m x 25m)
KDB	60 %
Limit Land	
	North : House Resident
	South : RS. Sufina Aziz

	West : House Resident
	East : House Resident



**Figure 2.** Design location

(Source: Processed by the author based on Google Maps and Google Earth 2023 )

### Literature Review

*Co-Working Space and Café* design is carried out to achieve the goals and functions achieved. Several methods or approaches are required, namely: data collection, literature, site location surveys, data analysis and design concept formulation. With the existing stages, you can get a building design that matches the plan.

The initial design will be made with existing themes and concepts, followed by determining space requirements, what activities can be carried out, and visitor needs. *Co-working spaces* and *cafés* were also built as places to relax and socialize which are expected to complement their functions. For this reason, a *café* was created right at the bottom of the *co-working space* where visitors might just want to eat and drink and relax.

The design of this *co-working space* and *café* carries a modern concept which has the main function as a place to work and have relaxed discussions. Meanwhile, its supporting function is as a place to eat and drink with a relaxed and calm atmosphere.

*Co-working spaces* have factors Which influence in create something room Which Good . Conceptual \_ in design This is base or explanation source draft design which includes analysis such as function, form, structure, utility and circulation. In the initial stage , the analysis carried out was to identify the function of the *co-working space* and *café*. Design plan \_ This *co-working space* and *cafe* has the main function, namely, working, discussing, studying, socializing .



**Figure 3.** Function main *Co-working space* and *cafe*  
(Source: Author's Analysis , 2023)

The function is targeted to cover and accommodate users , such as worker possible office bored with existing atmosphere at the office, or workers who haven't own office still another function of *Co-working Space and Cafe* is as a place to eat and drink light in a relaxed

atmosphere. It is hoped that it can complement and support the main function. Here are some other functions of coworking spaces :

1. Access and Linkages
  - a. Friendly to pedestrian
  - b. Access Which easy achieved Good pedestrian foot nor vehicle
2. Comfort and Image
  - a. Own impression First Which Good for visitors
  - b. Room Which clean And organized
  - c. Interesting, And make visitors For come return to the place
  - d. Visitors Which come feel suitable And comfortable is at in the place
3. Uses and Activities
  - a. Own function the real one and effective for visitors
  - b. Create comfort
4. Sociability
  - a. Something place which can create warmth in welcome towards visitors
  - b. Something room which own interaction Which tall to user
  - c. Create atmosphere which comfortable
  - d. Own characteristics which can cooperate between visitors or manager something that place



**Figure 4.** Other functions *Co-working space and cafe*  
(Source: Author's Analysis , 202 3)

## METHOD

### Modern Architectural Approach

Modern architecture is a concept with a characteristic style that prioritizes simplicity of form. Based on the Big Indonesian Dictionary (2018), the term modern architecture can be described with two words: architecture and modernity. Architecture is the art and science of designing and constructing bridge buildings, and the stylistic methods of building construction design. Then modern took on a new meaning. Modern architecture is a term for a number of design styles, updated building construction and attitudes or ways of acting in accordance with the demands of the times (Qoron & Yandri, 2022; Nuraini, 2019) . According to the book "A Guide to Modern Architecture" by Reyner Bernham, modern architecture is "current" architecture, architecture that has just been born or architecture that has not yet become obsolete.

Modern architecture emerged because of advances in technology which made people tend to choose something that was practical and economical. In simple terms, modern style aesthetics can be said to be a minimal form of construction in the past. In modern architecture the focus is more on processing space as the main object and looks simpler. Modern architecture emphasizes functional and efficient principles. Functional means the building must be able to accommodate all activities within the building and efficient is more applied to efficient time, costs and maintenance. Even though the principles of modern architecture tend to lean towards spectacular forms, every design should strive to be sustainable. This is crucial considering that every architectural design principle should be

usable and beneficial over a long and continuous period (Nuraini & Suprayetno, 2021; Nuraini, 2019).

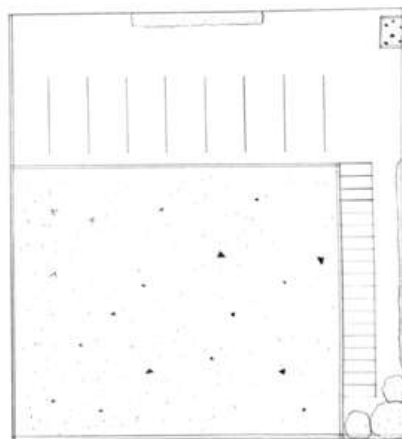
The main principles of modern architecture are, a style that is the opposite of the classical style, adheres to the principle that materials and function will determine a building, is related to machines and technology, does not use any ornaments or carvings. The characteristics of modern architectural buildings are the lack of ornaments and decorations, using modern materials and systems, utilizing light coming in through glass windows, using more open spaces and optimizing the function of the room. Any designs, with any style, whether modern or traditional, must always consider the users. This is important to ensure that the building functions well and meets the needs of the occupants.

## DISCUSSION

### Design Result

#### *Co-working Space and Café Design*

*Co-working Space and Café* built around settlement inhabitant with size land 28m long and 25m wide . *Co-working Space* and *Café* are planned will built 60% of wide land . This design attempted reach function main and function supporter others to make desired building.



**Figure 5.** Site Plan  
(Source: Author's Construction, 2023)

On the 1st floor there are cafe that can visited by only visitors \_ want to eat and drink just , or want to work and study with atmosphere café . Cafe the There are toilets and prayer rooms available used visitors .

Temporary *Co-working Space* is on the floor two , so that the atmosphere Work can more calm . *Co-working Space* This own a number of room that is , space meeting , room private , space communal and space open . There are toilets and prayer rooms available used by visitors .

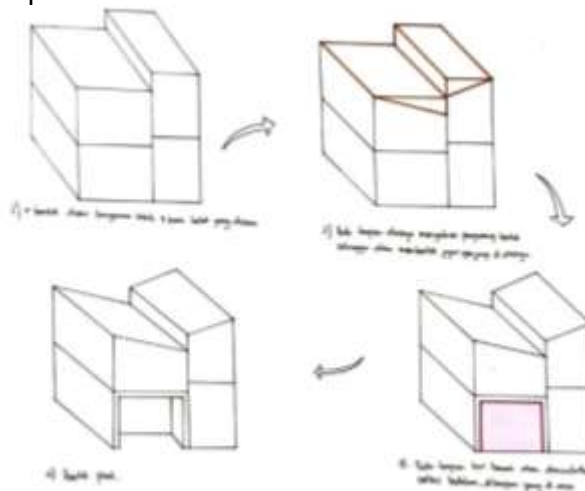




**Figure 6.** *Co-working Space and Café Plan*  
(Source: Author's Construction, 2023)

### Composition The Mass Building

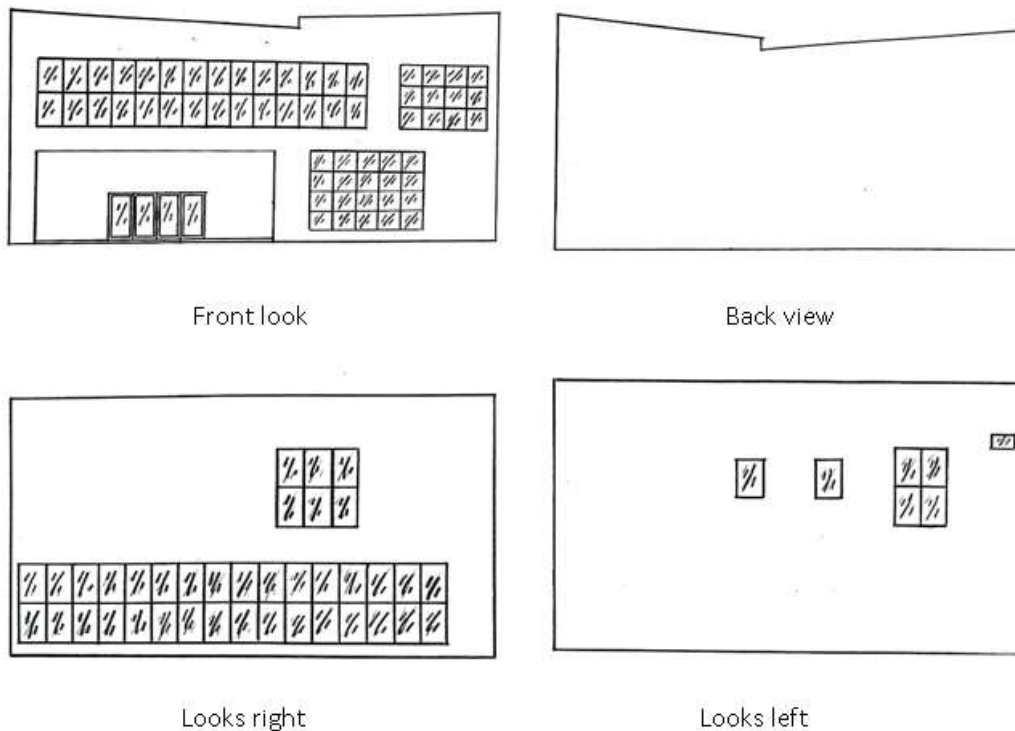
Formation composition mass *Co-working Space and Café* come from a basic shape, namely a square. The square shape will be put together and reduced in parts until it reaches the desired shape.



**Figure 7.** *Mass Composition*  
(Source: Author's Construction, 2023)

### Building Facade

*Modern* theme approach one of them is taking advantage of the light coming in through glass windows and optimize the function of the room. Application of building orientation follows i The environment on the site is used as a natural lighting system in the building. Because part north building is side Which most wide so that light experience can accommodated more.



**Figure 8.** Building Facade  
(Source: Author's Construction, 2023)

Application glass on facade is part from shading for light enter room, so that No produce glare Which excessive. System Ventilation Which The VRV AC system used is to maintain room temperature stability as a way of maintaining the collection and providing comfort to visitors



**Figure 9.** 3d building  
(Source: Author's Construction, 2023)

### CONCLUSION

Main purpose planning *Co-working Space* and *Café* is as place working, discussing, studying, and socializing for workers who have n't own office fixed, or for workers starting out feel bored with atmosphere office. As for goals supporter from planning *Co-working Space* and *Café* This is as place eat and drink with relaxed and comfortable atmosphere.

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