MATERNITY CARE CENTRE

INTERIOR DESIGN WITH NATURAL AND MODERN TOUCH

Student Name
Atrasina Adani
3410100169

Design Interior Department
Civil Engineering and Planning Faculty
Institut Teknologi Sepuluh Nopember
The definition is to create a health and fitness place for pregnant women, with natural and modern feels, by understanding the activity of the people in the area.
Nowadays Health Medical aspect as health supporter Obstetrics dan gynaecology Miscariage number in Indonesia is relatively high

RSIA
Mom n Jo
MOBBIC
Comparison
Exist condition
MOBBIC facility
Owner’s hope
Facility for Pregnant women
Problem & Purpose

**Problems**
- There is no special character of the object, so it will not create any impression to the visitors.
- Bad Circulation System
- There is a lot of useless empty room.

**Goal**
- Planning the facility according to the mothers needed
- Giving education about pregnancy to the mothers by interior design
- Create safety and comfortable room for the mothers, by analyzed ergonomic aspect, lighting, circulation and materials which is good for the mothers.

**Benefit**
It is hoped that the mothers will get a lot of information about pregnancy and fetus.
LITERATURE

Desain Interior
*Maternity Care Centre*
dengan Nuansa Natural Modern

- MOBBIC (Mom And Baby’s Care Centre)
- Studi Eksisting
- Studi Pembanding
- Elemen Interior
- Natural
- Modern
- Kehamilan

- Elemen Interior
- Pusat Kesehatan dan Kebudayaan
- Standardisasi Kesehatan
- Analisis Fisik

- Suasana
- Warna
- Material
- Ciri/Karakter
- Banrik
- Warna
- Material
- Fabrikasi

- Java Yoga
- Yoga
- Kebutuhan Fasilitas
- Informasi Seputar

- Olahraga bagi ibu Hamil
- Manfaat Olahraga bagi ibu Hamil

- Definisi Kehamilan
- Tanda-Tanda Kehamilan
- Ketidaknyamanan selama Kehamilan
- Penyakit dalam Kehamilan
- Kebutuhan Fisik Ibu Hamil
- Perubahan Fisioterapi yang terjadi pada ibu Hamil
- Prosedur Pertumbuhan Bayi dalam Kandungan
- Kunjungan Ulang
- Olahraga bagi ibu Hamil
- Makanan dan Minuman Sehat bagi ibu Hamil
- Material yang Aman bagi ibu Hamil
- Warna yang Mempengaruhi Psikologis Ibu Hamil

- Alami
- Menyatukan dengan Alam
- Terdapat Tanaman

- Simple
- Minimalis
- Fungsional

- Segar
- Rileks
MOBBIC (Mom and Baby's Care Centre) is an integrated services present in the middle of citizen to fulfill the their needed to prepare qualified generation in the future. MOBBIC ‘s motto is "Preventive, Private & Professional Care". MOBBIC is established by Gemma Betty M on March 2013 at Raya Jemur Sari Street Number 4 Maret 2013 with building space ± 650m². MOBBIC open every day from 10.00-16.00 WIB.
MOBBIC facilities

a. Pregnancy and Nursery specialist
   • Pramarital Package
   • Pranatal Package
   • Pregnant Package
   • Family Planning
   • V-Spa
   • USG 4D
   • Growth Package
   • Imunization
   • Pediatric Nutrition Care
   • Difficulty Feeding
   • Treatment
   • Lactation Clinic
b. Salon and Spa
- Manicure and Pedicure
- Creambath
- Facial Slimming Program
- Maternity Massage
- V-Spa
c. Kid Specialist
   • Baby Spa
   • Baby Gym Baby Swim
   • Baby Massage
   • Feeding Difficulties Treatment
d. Additional Facility
  • Yoga
  • Cafe
  • Laboratorium
  • Play Ground Area
<table>
<thead>
<tr>
<th>No</th>
<th>Interior Elements</th>
<th>Findings</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Flooring</td>
<td>Glossy finish white ceramic tiles in 60x60. Vinyl flooring with timber pattern at areas such as spa, salon and exercise room.</td>
</tr>
<tr>
<td>2</td>
<td>Wall</td>
<td>Cream and green paint. Cream and brown paint at areas such as spa, salon, exercise room and cafe.</td>
</tr>
<tr>
<td>3</td>
<td>Ceiling</td>
<td>White painted gypsum board.</td>
</tr>
<tr>
<td>4</td>
<td>Furniture</td>
<td>Foam as material.</td>
</tr>
<tr>
<td>5</td>
<td>Esthetical Element</td>
<td>Wallpaper with batik kawung pattern applied on several walls.</td>
</tr>
<tr>
<td>6</td>
<td>Lighting</td>
<td>All lighting source using artificial lighting.</td>
</tr>
<tr>
<td>7</td>
<td>HVAC</td>
<td>Air conditioner</td>
</tr>
</tbody>
</table>
Parking area and Entrance

The size of the signage is too large, making the entrance door look tiny. There is no difference between the shape of the door and window.

Receptionist

There is no display shelf for MOBBIC’s products, so that the customers are not aware of MOBBIC’s maternity health products.

Waiting Room

The size of the waiting room is too large creating a lot of space between customers. The sphere should feel more intimate and close so that it would create a comfortable atmosphere among the customers to share stories about their maternity.
Cafe
The cafe looks very enclosed and filthy making the customers feel reluctant to visit it. The food offered are instant food which is clearly not healthy for mothers in waiting.

Spa Room
There isn’t any room scent or music.

Excercise Area
Maternity excercise area is within the spa area. When not used it is used for an extra spa room.
**Salon**
The Salon area is also within the spa area. Facilities are limited and are placed far away from each other.

**Consulting Room**
The room is small with a lot of facilities in large sizes. Making the look small and inefficient for human circulation.

**Conclusion**
1) There is no particular character to the object making it very forgetable.
2) Circulation is unefficient.
3) Lack of facilities.
4) Room existing isn’t used well, leaving spaces for more possible rooms.
Pregnant women
Healthy, safe, relaxing, refreshing, comfort
Preventive, Private & Professional Care
MOBBIC’s motto
Feels like home but with modern touch
Nowadays trend

Maternity Care Centre Interior Design with Natural and Modern Touch
Maternity Care Centre

MATERNITY CARE CENTRE

- Natural
- Modern
- Integrated with nature, there are plants

MACRO CONCEPT

- Atmosphere
  - Relax, fresh
- Color
- Characters
- Materials
- Simple, minimalis, functional
- Colors
- Shape
- Fabrication
<table>
<thead>
<tr>
<th>No</th>
<th>Interior Element</th>
<th>CoInterior Elements Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Interior Forming Elements</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a. Flooring</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Flooring Material</td>
<td>The type of floor that will be applied in the interior is ceramic tiles. It is chosen because of its easiness to clean. At the exercise room, laminate flooring will be applied. As in exercise soft flooring is required.</td>
</tr>
</tbody>
</table>

For more details, please refer to the images provided.
<table>
<thead>
<tr>
<th>Flooring Color</th>
<th>White flooring is chosen for its clean look and its visibility for dirt so that it'd be cleaned directly. Laminate floor with wooden/timber pattern.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flooring Texture</td>
<td>Soft, not slippery, matte</td>
</tr>
<tr>
<td>Flooring shape</td>
<td>Applied on different leveling with low leveling difference.</td>
</tr>
<tr>
<td>Flooring composition</td>
<td>Plain, no particular pattern.</td>
</tr>
</tbody>
</table>
### Wall

<table>
<thead>
<tr>
<th>Wall material</th>
<th>Wall Texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paint finished brick wall</td>
<td>Hard and soft. Depending on the rooms where it will be applied.</td>
</tr>
<tr>
<td>Wooden wall</td>
<td></td>
</tr>
<tr>
<td>Stone wall</td>
<td></td>
</tr>
</tbody>
</table>
### Wall Color

Cream colored walls to adapt a natural look from wood and stone.

### Wall shape

Combined is a massive combination, hollowed.

### c. Ceiling

**Ceiling Material**

Gypsum board as basic material combined with other materials. At particular rooms, the ceiling will consist out of gypsum board and glass for natural lighting.
Ceiling Color | White as basic for a clean look. Also colors that represent natural look. Such as brown and wood.
--- | ---
Ceiling Texture | Soft
Ceiling Shape | Shapes that represent natural look. Plants on ceiling.
### Micro Concept

<table>
<thead>
<tr>
<th></th>
<th>Additional interior forming elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td><strong>Furniture</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Furniture shape</strong></td>
</tr>
<tr>
<td></td>
<td>Safe furniture, designed for pregnant women.</td>
</tr>
<tr>
<td></td>
<td><strong>Furniture Materials</strong></td>
</tr>
<tr>
<td></td>
<td>Soft materials such as foam.</td>
</tr>
<tr>
<td></td>
<td><strong>Furniture color</strong></td>
</tr>
<tr>
<td></td>
<td>Natural and nude and pastel colors.</td>
</tr>
</tbody>
</table>
### Utility

#### a. Lighting

<table>
<thead>
<tr>
<th>Lighting type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hidden lamps</td>
<td>Rooms with softer lighting. Spot lights for areas that need direction. Up light for brighter rooms.</td>
</tr>
<tr>
<td>Lighting Brightness</td>
<td>Bright lighting for all areas. For the spa area using softer lights to support the activity within.</td>
</tr>
<tr>
<td>Lighting Color</td>
<td>White colored light for rooms with bright light requirements. Yellow colored light for rooms with less need of light (brightness).</td>
</tr>
</tbody>
</table>
## b. Odor

| Room Scent | Aromatherapy with soft smelling scents. Some of safe aromatherapy are rose (mawar), *eucalyptus* (kayu putih), lemon, orange, *frankincense* (kemenyan) and lavender |

## Estethic elements

### a. Accessories

| Accessories shape | Plant vases. |

| Location | In the corner |

### b. Education display

| Shape | Posters about maternity |

<p>| Location | On the walls |</p>
<table>
<thead>
<tr>
<th>No</th>
<th>Pertanyaan</th>
<th>Jawaban</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kapan berdirinya MOBBIC?</td>
<td>Maret 2013</td>
</tr>
<tr>
<td>2</td>
<td>Siapa pendiri MOBBIC?</td>
<td>Gemma Betty M</td>
</tr>
<tr>
<td>3</td>
<td>Berapa kira-kira total luas bangunan MOBBIC?</td>
<td>± 600 m²</td>
</tr>
<tr>
<td>4</td>
<td>Berapa kira-kira pengunjung MOBBIC per hari?</td>
<td>Tidak tetap. Paling banyak 10an orang, kadang-kadang tidak sampai 5</td>
</tr>
<tr>
<td>5</td>
<td>Siapa target utama pengunjung MOBBIC?</td>
<td>Ibu hamil, batita dan wanita secara umum</td>
</tr>
<tr>
<td>6</td>
<td>Fasilitas apa saja yang terdapat bagi ibu hamil?</td>
<td>Salon, spa, pemeriksaan obsgyn &amp; USG, konsultasi</td>
</tr>
<tr>
<td>7</td>
<td>Apa saja fasilitas tambahan yang terdapat di MOBBIC?</td>
<td>Café, laboratorium, senam hamil, training</td>
</tr>
<tr>
<td>8</td>
<td>Fasilitas apa yang paling sering dipakai?</td>
<td>Spa</td>
</tr>
<tr>
<td>9</td>
<td>Berapa lama rata-rata aktifitas yang terjadi pada setiap kunjungan?</td>
<td>1-2 jam</td>
</tr>
<tr>
<td>10</td>
<td>Nuansa apa yang ditampilkan pada interior MOBBIC?</td>
<td>Tidak ada nuansa khusus</td>
</tr>
</tbody>
</table>

**Interview Result**

1. **Knowing**
   - Facilities that is available in the object

2. **The activities, doing by staffs and object**

3. **The facility that is often to use by visitors**

4. **Information about pregnancy**

5. **Informant hope and desire towards**
Interpretation of Questionnaire Result

1. Result of Questionnaire with variable "Swimming pool, maternity boutique dan mini library as additional is the additional facilities is needed.

2. Result of Questionnaire with variable "the most often facility is used" is massage room. This mean, massage room is one of the room that is chosen to be designed.
Based on the comparison table, there are some similarities and differences between the four of Health and Fitness centre for pregnant women. The facilities that is needed for Health and Fitness centre for pregnant women, according to the table are pregnancy calesthetic, salon, spa, pregnancy consultation, USG check up, laboratorium, training room and café. Beside, from the Questionnaire result, additional facility, just like mini library, *maternity boutique dan swimming pool* is also needed in the Health and fitness centre.

<table>
<thead>
<tr>
<th>No</th>
<th>Obyek Pembanding</th>
<th>Yoga</th>
<th>Senam Hamil</th>
<th>Salon</th>
<th>Treatment</th>
<th>Konsultasi</th>
<th>USG</th>
<th>Laboratorium</th>
<th>Seminar</th>
<th>Café/Bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MOBBIC</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
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<tr>
<td>2</td>
<td>Mom n Jo</td>
<td>✓</td>
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<td>✓</td>
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<tr>
<td>3</td>
<td>Java Yoga</td>
<td>✓</td>
<td></td>
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<td>✓</td>
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<td>✓</td>
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<tr>
<td>4</td>
<td>Rs Putri</td>
<td>✓</td>
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<td>✓</td>
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<tr>
<td>No</td>
<td>User</td>
<td>Activity</td>
<td>Place</td>
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<td>1</td>
<td>Visitor</td>
<td>• Ordering the services</td>
<td>Lobby</td>
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<td>• Looking for product</td>
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<td>• Getting Services</td>
<td>Calesthetic room, salon, spa, consultation,</td>
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<td>check up, training</td>
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<td>• Waiting</td>
<td>Waiting room</td>
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<td>• Eat and drink</td>
<td>Cafe</td>
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<td>• Praying</td>
<td>Praying room</td>
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<td>• Toilet needed</td>
<td>WC</td>
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<td>2</td>
<td>Staff</td>
<td>• Accepting order</td>
<td>Lobby</td>
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<td>• Service</td>
<td>Calesthetic room, salon, spa, consultation,</td>
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<td>• Break, praying and eating</td>
<td>Employee room</td>
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<td>• Cleaning</td>
<td>Every area</td>
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<td>• Counting supply of product</td>
<td>Storage</td>
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<td>• Toilet needed</td>
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<td>No</td>
<td>User</td>
<td>Activities</td>
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<td>3</td>
<td>Manager</td>
<td>• Counting income and outcome</td>
<td>Manager room</td>
<td></td>
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<td>• Checking product supply</td>
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<td>• Supervise the employee</td>
<td>Every room</td>
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<td>• toilet</td>
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<tr>
<td>No</td>
<td>Place</td>
<td>Item</td>
<td>Unit</td>
<td>Dimension</td>
<td>Space</td>
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<tr>
<td>1</td>
<td>Lobby</td>
<td>• Front desk</td>
<td>1</td>
<td>3x0,7= 2,1m²</td>
<td>2,6+(3x2,6)</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>• Chair</td>
<td>2</td>
<td>0,5x0,5=0,25x2</td>
<td>= 0,5 m²</td>
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<td>= 10,4 m²</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Waiting room and mini library</td>
<td>• Double sofa</td>
<td>2</td>
<td>0,7x1,4=0,98x2</td>
<td>3,66+(3x3,66)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>• Table</td>
<td>1</td>
<td>0,5 m²</td>
<td>= 14,64 m²</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Rack</td>
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<td>0,4x1= 0,4x3</td>
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<td>3</td>
<td>Consultation room</td>
<td>• Bed</td>
<td>1</td>
<td>1,8x0,9= 1,62 m²</td>
<td>4,95+(3x4,95)</td>
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<td></td>
<td></td>
<td>• USG tools</td>
<td>1</td>
<td>0,6x0,6= 0,36 m²</td>
<td>= 19,8 m²</td>
<td></td>
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<tr>
<td></td>
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<td>• Single sofa</td>
<td>1</td>
<td>0,6x0,7= 0,42 m²</td>
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<td>1</td>
<td>0,7x1,4= 0,98 m²</td>
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<td>• Trolley cabinet</td>
<td>1</td>
<td>0,4x0,6= 0,24 m²</td>
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<tr>
<td></td>
<td></td>
<td>• Toilet</td>
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<td>0,6x0,4= 0,24 m²</td>
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<td></td>
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<td>4</td>
<td>Spa section</td>
<td>• Bed</td>
<td>4</td>
<td>1,8x0,9=1,62x4</td>
<td>14,64+(3x14,64)</td>
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<td>= 58,56 m²</td>
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<td></td>
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<td>• Trolley cabinet</td>
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<td>0,4x0,6=0,24x4</td>
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<td>= 0,96 m²</td>
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## Study Facilities

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<td>$0.5 \times 0.5 = 0.25 \times 4 = 1 \text{ m}^2$</td>
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<td>Cupboard</td>
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<td>Toilet</td>
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<tr>
<td>Shower</td>
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<td>Bathub</td>
<td>1</td>
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<tr>
<td>Chair for Creambath</td>
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<td>$0.5 \times 0.5 = 0.25 \times 2 = 0.5 \text{ m}^2$</td>
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<tr>
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<tr>
<td>Board</td>
<td>3</td>
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<tr>
<td>For Shampooing</td>
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<td>$0.6 \times 1.2 = 0.72 \times 2 = 1.44 \text{ m}^2$</td>
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<tr>
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<tr>
<td>Bed</td>
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<td>$1.8 \times 0.9 = 1.62 \text{ m}^2$</td>
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<td>Double sofa</td>
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<tr>
<td>Chair for manicure pedicure</td>
<td>2</td>
<td>$1.2 \times 0.8 = 0.96 \times 2 = 1.92 \text{ m}^2$</td>
</tr>
<tr>
<td>Chair</td>
<td>2</td>
<td>$0.3 \times 0.3 = 0.09 \times 2 = 0.18 \text{ m}^2$</td>
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### Salon area

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<td>Chair for Creambath</td>
<td>2</td>
<td>$0.5 \times 0.5 = 0.25 \times 2 = 0.5 \text{ m}^2$</td>
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<tr>
<td>Table</td>
<td>2</td>
<td>$0.6 \times 0.4 = 0.24 \times 2 = 0.48 \text{ m}^2$</td>
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<tr>
<td>Board</td>
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<td>$0.6 \times 0.6 = 0.36 \times 3 = 1.08 \text{ m}^2$</td>
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<tr>
<td>For Shampooing</td>
<td>2</td>
<td>$0.6 \times 1.2 = 0.72 \times 2 = 1.44 \text{ m}^2$</td>
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<tr>
<td>Heater</td>
<td>2</td>
<td>$0.6 \times 0.6 = 0.36 \times 2 = 0.72 \text{ m}^2$</td>
</tr>
<tr>
<td>Bed</td>
<td>1</td>
<td>$1.8 \times 0.9 = 1.62 \text{ m}^2$</td>
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<tr>
<td>Table</td>
<td>1</td>
<td>$0.4 \times 0.8 = 0.32 \text{ m}^2$</td>
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<tr>
<td>Double sofa</td>
<td>1</td>
<td>$0.7 \times 1.4 = 0.98 \text{ m}^2$</td>
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<tr>
<td>Chair for manicure pedicure</td>
<td>2</td>
<td>$1.2 \times 0.8 = 0.96 \times 2 = 1.92 \text{ m}^2$</td>
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<tr>
<td>Chair</td>
<td>2</td>
<td>$0.3 \times 0.3 = 0.09 \times 2 = 0.18 \text{ m}^2$</td>
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</table>

Total area: $9.24 + (3 \times 9.24) = 36.96 \text{ m}^2$
<table>
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<tr>
<th>Study Facilities</th>
<th>Item</th>
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<th>Area Calculation</th>
<th>Total Area</th>
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<tr>
<td><strong>6 Calisthenic Room</strong></td>
<td>Cupboard</td>
<td>1</td>
<td>1.2 \times 0.5 = 0.6 m²</td>
<td>0.6 + (3 \times 0.6) = 2.4 m²</td>
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<tr>
<td></td>
<td><strong>Training room</strong></td>
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<tr>
<td></td>
<td>Chair</td>
<td>15</td>
<td>0.5 \times 0.5 = 0.25 \times 15 = 3.75 m²</td>
<td>4.47 + (3 \times 4.47) = 17.88 m²</td>
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<tr>
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<td>Table</td>
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<td>1.2 \times 0.6 = 0.72 m²</td>
<td></td>
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<tr>
<td></td>
<td><strong>Cafe</strong></td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>Table</td>
<td>5</td>
<td>0.8 \times 5 = 4 m²</td>
<td>10.14 + (3 \times 10.14) = 40.56 m²</td>
</tr>
<tr>
<td></td>
<td>Table</td>
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<td>1.2 \times 0.6 = 0.72 \times 2 = 1.44 m²</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Double sofa</td>
<td>2</td>
<td>0.7 \times 1.4 = 0.98 \times 2 = 1.96 m²</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chair</td>
<td>10</td>
<td>0.5 \times 0.5 = 0.25 \times 10 = 2.5 m²</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sink</td>
<td>2</td>
<td>0.4 \times 0.3 = 0.12 \times 2 = 0.24 m²</td>
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</tr>
<tr>
<td><strong>Swimming pool</strong></td>
<td>Pool</td>
<td>1</td>
<td>8 \times 4 = 32 m²</td>
<td>36.32 + (3 \times 36.32) = 145.28 m²</td>
</tr>
<tr>
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<td>Table</td>
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<td>1.2 \times 0.6 = 0.72 \times 2 = 1.44 m²</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stool</td>
<td>4</td>
<td>1.2 \times 0.6 = 0.72 \times 4 = 2.88 m²</td>
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<tr>
<td><strong>Maternity boutique</strong></td>
<td>Mannequins table</td>
<td>1</td>
<td>4 \times 0.8 = 3.2 m²</td>
<td>6.8 + (3 \times 6.8) = 27.2 m²</td>
</tr>
<tr>
<td></td>
<td>Hangers</td>
<td>2</td>
<td>3 \times 0.6 = 1.8 \times 2 = 3.6 m²</td>
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### Study Facilities

<table>
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<th>Room</th>
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<td>Laboratorium</td>
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<td>2</td>
<td>$2.5 \times 0.4 = 1 \times 2$</td>
<td>2 m²</td>
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<td>Chair</td>
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<td>$0.5 \times 0.5 = 0.25 \times 2$</td>
<td>0.5 m²</td>
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<td>Rack</td>
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<td>$1.2 \times 0.5 = 0.6 \times 1$</td>
<td>0.6 m²</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.1 + (3 \times 3.1) = 12.4 m²</td>
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<tr>
<td>Employee room</td>
<td>Double Sofa</td>
<td>2</td>
<td>$0.7 \times 1.4 = 0.98 \times 2$</td>
<td>1.96 m²</td>
</tr>
<tr>
<td></td>
<td>Table</td>
<td>1</td>
<td>$1.2 \times 0.6 = 0.72 \times 2$</td>
<td>1.44 m²</td>
</tr>
<tr>
<td></td>
<td>Cupboard</td>
<td>1</td>
<td>$0.6 \times 0.6 = 0.36 \times 1$</td>
<td>0.36 m²</td>
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<td>Refrigerator</td>
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<td>$0.6 \times 0.6 = 0.36 \times 1$</td>
<td>0.36 m²</td>
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<tr>
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<td>Kitchen Table</td>
<td>1</td>
<td>$2 \times 0.5 = 1 \times 2$</td>
<td>1 m²</td>
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<td></td>
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<td></td>
<td>8.84 + (3 \times 8.84) = 35.36 m²</td>
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<td>Manager room</td>
<td>Chair</td>
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<td>$0.5 \times 0.5 = 0.25 \times 2$</td>
<td>0.5 m²</td>
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<tr>
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<td>Table</td>
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<td></td>
<td>Cupboard</td>
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<td>0.36 m²</td>
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<td>Double sofa</td>
<td>2</td>
<td>$0.7 \times 1.4 = 0.98 \times 2$</td>
<td>1.96 m²</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>4.26 + (3 \times 4.26) = 17.04 m²</td>
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<tr>
<td>Kitchen</td>
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<td>$3 \times 0.7 = 2.1 \times 1$</td>
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<td>Refrigerator</td>
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<td>2.46 + (3 \times 2.46) = 9.84 m²</td>
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<td>Praying room</td>
<td>Cupboard</td>
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<td>$0.4 \times 0.4 = 0.16 \times 1$</td>
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<td>Sajadah</td>
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<td>$1 \times 0.6 = 0.6 \times 4$</td>
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<td>2.56 + (3 \times 2.56) = 10.24 m²</td>
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<tr>
<td>Study Facilities</td>
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<td>Quantity</td>
<td>Area Calculation</td>
<td>Total Area</td>
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<td>------</td>
<td>----------</td>
<td>------------------</td>
<td>------------</td>
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<tr>
<td><strong>16</strong> Bathroom (3)</td>
<td>• Toilet</td>
<td>1</td>
<td>$0.6 \times 0.4 = 0.24 \text{ m}^2$</td>
<td>1 \times (3 \times 1) = 3\times 1 = 12 \text{ m}^2</td>
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<td>• Sink</td>
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<td>$0.4 \times 0.3 = 0.12 \text{ m}^2$</td>
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<td><strong>17</strong> Toilet (3)</td>
<td>• Toilet</td>
<td>1</td>
<td>$0.6 \times 0.4 = 0.24 \text{ m}^2$</td>
<td>0.36 \times (3 \times 0.36) = 1.44 \times 3 = 4.32 \text{ m}^2</td>
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<tr>
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<td>• Sink</td>
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<td>$0.4 \times 0.3 = 0.12 \text{ m}^2$</td>
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<td><strong>18</strong> Changing room</td>
<td>• Toilet</td>
<td>3</td>
<td>$0.6 \times 0.4 = 0.24 \times 3 = 0.72 \text{ m}^2$</td>
<td>3.6 \times (3 \times 3.6) = 14.4 \text{ m}^2</td>
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<td>• Shower</td>
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<td>$0.8 \times 0.8 = 0.64 \times 3 = 1.92 \text{ m}^2$</td>
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<tr>
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<td>• Cupboard</td>
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<tr>
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<td>• Sink</td>
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<td>$0.4 \times 0.3 = 0.12 \times 3 = 0.36 \text{ m}^2$</td>
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<tr>
<td><strong>19</strong> Storage</td>
<td>• Rack</td>
<td>3</td>
<td>$1.2 \times 0.5 = 0.6 \times 3 = 1.8 \text{ m}^2$</td>
<td>1.8 \times (3 \times 1.8) = 7.2 \text{ m}^2</td>
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<tr>
<td><strong>20</strong> Parking area</td>
<td>• Car</td>
<td>4</td>
<td>$2.5 \times 1.5 = 3.75 \times 4 = 15 \text{ m}^2$</td>
<td>20 \times (3 \times 20) = 80 \text{ m}^2</td>
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<tr>
<td></td>
<td>• Motorcycle</td>
<td>10</td>
<td>$1 \times 0.5 = 0.5 \times 10 = 5 \text{ m}^2$</td>
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<td><strong>Total</strong></td>
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<td>576.48 \text{ m}^2</td>
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<td><strong>Circulation 20%</strong></td>
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<td>115.296 \text{ m}^2</td>
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<td><strong>Area Total</strong></td>
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<td>691.776 \text{ m}^2</td>
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</tbody>
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ROOM CONNECTIVITY

Laboratorium
Ruang pegawai
Ruang manager
Kamar mandi
Gudang

Publik
Private
Service

Harus ada hubungan
Sebaiknya ada hubungan
Tidak ada hubungan
### WEIGHTED METHOD

#### Objectivicity/Aim

<table>
<thead>
<tr>
<th>Objectivicity/Aim</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>RESULT</th>
<th>MARK</th>
<th>RELATIVE WEIGHTS</th>
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<td>0</td>
<td>1</td>
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1 = More Important  
0 = Less Important  
Range Nilai = 1-10

### Objektivitas

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<th>W</th>
<th>Parameter</th>
<th>Alternative 1</th>
<th>Alternative 2</th>
<th>Alternative 3</th>
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<td></td>
<td>M</td>
<td>S</td>
<td>V</td>
</tr>
<tr>
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<td>0,20</td>
<td>The space is enough to through to</td>
<td>Very</td>
<td>9</td>
<td>1,8</td>
</tr>
<tr>
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<td>0,10</td>
<td>Interior and furniture is according to concept</td>
<td>Apropriate</td>
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<td>pregnant women</td>
<td>Good</td>
<td>8</td>
<td>3,2</td>
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<tr>
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<td>less</td>
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**Over Utility Value**  
7,5  
7,5  
8