International Undergraduate Program in Architecture Final Architecture Design Studio 2022

Design of SENSORY-BASED COMMUNITY CENTER FOR VICTIMS OF SEXUAL VIOLENCE IN YOGYAKARTA

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-1

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VALIDATION SHEET

Final Architectural Design Studio entitled:

Design of Sensory-Based Community Center for Victims of Sexual Violence in Yogyakarta

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Statement of Authenticity

I, Nadya Agyanata, hereby certify that all parts of this work are upon my own work, except parts referred to references. Any ideas in the working process are fully coming from the author with the supervision of the supervisor.

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> Yogyakarta, July 31st 2022 Author,



Foreword

Praise and gratitude I pray for the presence of Allah SWT, as well as our prayers and greetings to our lord Prophet Muhammad SAW and his family and friends. because only by Their grace and grace, the author was able to complete the Final Architectural Design Studio entitled "Design of Sensory Based Community Center for Victims of Sexual Violence in Yogyakarta" as best and as possible.

In the preparation of this undergraduate final project, the author received a lot of help, input, guidance and support from various parties. On this occasion, the author would like to express his appreciation and gratitude to:

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3. Dr-Ing. Putu Ayu P. Agustiananda., ST., MA as the supervor in this Final Architectural Design Studio providing her precious time, insighful knowledge, criticism, and suggestions, and also patience so that the author was able to complete the Final Architectural Design Studio.

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For all the prayers, support, and assistance that has been given, hopefully get a reply from Allah SWT. The author is aware that this work has still been far from perfect. Therefore, all constructive criticism and suggestions for the perfection of this undergraduate final project are expected. Hopefully this final project can help increase knowledge and experience for readers and become a reference also learning materials.

Yogyakarta, July 31st 2022 Author,

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Figure 48. Meditating to Connect Body and Soul Concept Empowerment Space Concept

Diving into Violence

Supreme Court weighs restitution in child pornography case

Richard Walf (SA TODAY Passad 120 zm Utak 22 2011 | Valued 120 p.s. 27 Jun 22 2014



Pernyataan Sikap Amigdala soal Kasus Kekerasan Seksual yang Dialami Aya Canina

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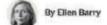
Figure 1. News Compilation in Relation to Sexual Violence Source : https://jogja.idntimes.com/; https://www.pikiran-rakyat.com/

September Dawn Bottoms for The New York Times

The Woman on the Bridge

Police and prosecutors spent five years chasing a domestic violence case. Would it be enough?





Nov. 28, 2021

KITTERY, Maine — At 7:05 on an April evening five years ago, Ryan Sanford, a patrol officer in the port town of Kittery, got a call about a van driving erratically on Route I.

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Pela	ku			

Ketika kos tak lagi menjadi ruang privat yang aman

Awal Terbongkar Aksi Bejat Herry Wirawan, Guru Pesantren Perkosa 14 Santriwati, Dari Aduan Orang Tua



Background

Many cases of women being sexually harassed lead to the feeling The discipline of architecture is very dynamic. In the school of of unsafety and traumatic. Moreover, not only are these type of architecture, the way that spaces are perceived is by the analycrime possibly experienced by women but also children and men, zation of environment, human behavior in general and unspecific basically anyone. The pictures above showing headlines related ways. But as the time grows, architecture needs to be adjusted to sexual violence is just like a splash of water on a heavy rain. with the condition where people start to give more attention to-Taking one example when in the end of 2017, Federasi Buruh Linwards human rights issues, environmental crisis, etc. If in the past tas Pabrik (FBLP) made a documentary about various harassment there was no imagination of how the ideal workplace for women, that happened in garment production houses in Cakung, North what the type of park for low income people, it seems that now Jakarta. The result showed that 56.5% from 773 women worker in architecture has to discuss and develop the design based on spe-38 companies experienced sexual harassment in workplace with cific context like the user classes and backgrounds. One of the following types such as indifferent glance, body shamming, untopics that is not frequently discussed is how the space needs to be safe in a way women feel safe. There are many cases that pleasant comment, violent insult, physical aggression, and privacy invasion. To be remembered that this type of crime is mostly women could not express their truest self when in public spaces caused by the feeling of superiority among others and in the case because of the community that is not tolerant enough and many of our society due to its patriarchal culture, women and girls are other reasons. It proves that indeed the space is not welcoming often playing roles as victims. Another intriguing part when talking yet belongs to a specific class and certain background of people. about sexual violence, the perpetrator does not rarely come from The idea of making a safe space for women to feel validated, deconvincing background (eg: activist, uztadz, a father) that people fending their rights and could explore and allow them to shine were deceived by the possibility of them doing such thing. Even has been triggering this project. Making a community center that is perceived as safe space for women is one of the little steps to when there is a clear evident that a man violates a woman for instance, it is not shocking at all when the one being blamed and bring up this topic. gaslight is the woman. Indeed, It is just a proved that society are often tried to rule the way women live. Therefore, how are they supposed to feel safe?

How is sexual violence defined?

Any sexual act, attempt to obtain a sexual act, unwanted sexual comments or advances, or acts to traffic, or otherwise directed, against a person's sexuality using coercion, by any person regardless of their relationship to the victim, in any setting, including but not limited to home and work.

What are the risk factors for sexual violence?

Research suggests that the various factors have an additive effect, so that the more factors present, the greater the possibility of being sexually violenced. In addition, a particular factor may vary in importance according to the life stage.

Factors increasing women's vulnerability

- being young
- consuming alcohol or drugs
- having previously been raped or sexually abused
- having many sexual partners

- becoming more educated and economically empowered, at least where sexual violence perpetrated by an intimate partner is concerned

poverty

Factors increasing men's risk of committing rape

— alcohol and drug consumption

- psychological factors; men raised in families with strongly patriarchal structures are also more likely to become violent, to rape and use sexual coercion against women, as well as to abuse their intimate partners, than men raised in homes that are more egalitarian

Peer and family factors

- gang rape; rape of a person by two or more perpetrators
- early childhood environments
- family honor and sexual purity

Community and societal factors

- poverty
- physical and social environment
- laws and policies
- social norms
- global trends and economic factors

Forms and Contexts of Sexual Violence

In various contexts and settings, a wide range of sexual violence can occur. World Health Organization (WHO) has summarized some that includes the following acts. However, the fluidity range of what categorized as sexual violence needs to be keep in mind.

> rape within unwanted sexual systematic rape rape by during armed advances or sexual strangers relationships conflict harassment denial of the right to sexual abuse of forced marriage protect against children or cohabitation sexually transmitted diseases

marriage or dating sexual abuse of mentally or physically disabled people

> violent acts against the sexual integrity of women'

13

forced abortion

forced prostitution and trafficking of people for the purpose of sexual exploitation

*including female genital mutilation and obligatory inspections for virginity

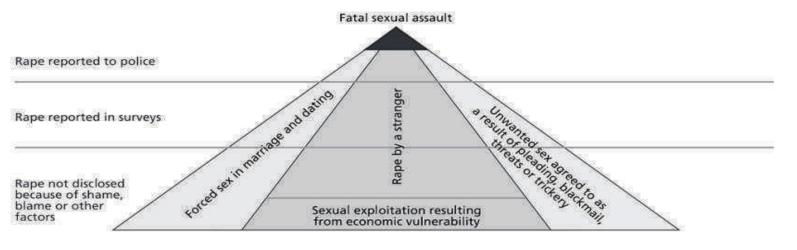


Figure 2. Diagram of Magnitute of Sexual Violence Source : World Health Organization

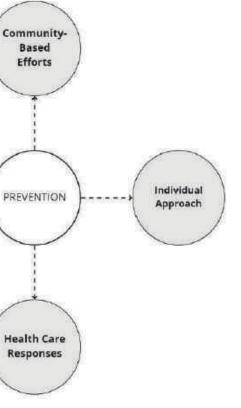
on top of an iceberg, that the unreported cases are on a bigger with the victims since the forced sex in marriage and dating connumber. By the picture sourced from WHO, the unreported cases are caused by external pressures including blame and shame from others pointed mostly to the victims. Meanwhile, the re- to justify their action. Economic vulnerability is also becoming a ported cases to the police are used to the one with fatal level of magnitude to be sexually violenced due to the possibility of trickassault.

The reported cases of sexual violence could be pictured as a tip Perpetrators of sexual violence could be anyone close enough sidered also as a violence. In this case, the patriarchal concept of one above the other is a triggering behavior for the perpetrators ery, threats, etc causing unwanted sex.

Developmental Approach

Figure 3. Diagram on How to Prevent Sexual Violence Source : World Health Organization

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How's Local Condition?

National and Regional

As seen on the diagram, in 2020, the violence case was decreasing but it does not mean that the actual cases are also decreasing. There are several factors to point out related to the decreasing data collected; 1) Victims used to be closed with perpetrators due to covid 19 pandemic where people could not really go anywhere; 2) Tendencies to speak up to families that often ended up being shuted down or were not validated; 3) Lack of information accessibility; 4) Available services need to adjust with pandemic conditions. For instance due to pandemic Pengadilan Agama limits their services resulting decreased number on reported cases. Moreover, the number of quisioner distributed was rejected up to 100 percent. If only Pengadilan Agama opened their service normally, it would certainly be increased number instead of decreased number.

Yogyakarta's Data

2,000

Based on the diagram below, the number of reported casses in Yogyakarta in 2021 monthly is around 60 cases. That number covers not only sexual violence but also domestic violence case.

Meanwhile based on the interview with one of the stakeholder, Mrs. Antik from Rekso Dyah Utami mentioned, that in daily basis, there were days where there is no case reported but then there were also days where the number of victims came in a time was four until six in a day.



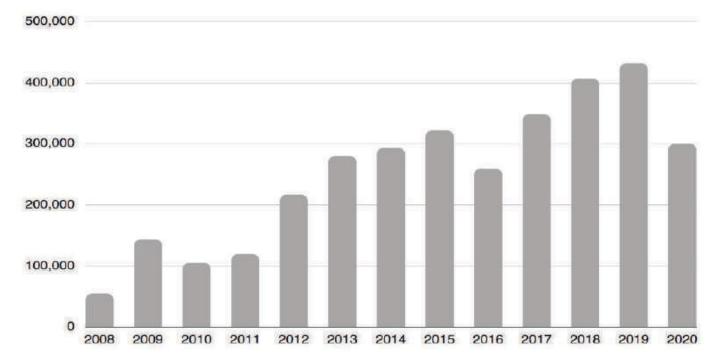


Figure 4. Diagram on Number of National Cases on Sexual Violence Source : Catatan Tahunan, PEREMPUAN DALAM HIMPITAN PANDEMI: LONJA-KAN KEKERSAN SEKSUAL, KEKERASAN SIBER, PERKAWINAN ANAK, DAN KETER-

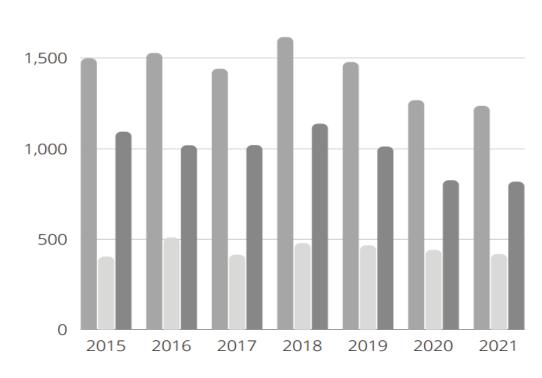


Figure 5. Diagram on Number of Yogyakarta Province Case Source : DP3AP2 DIY

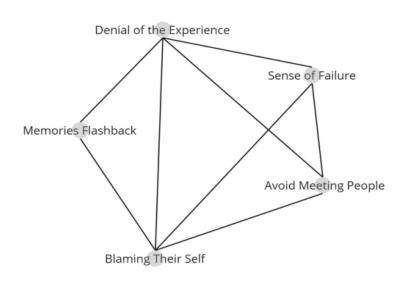
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Children Adult

Reminiscing the Pain

About Trauma and Symptomps



A trauma could be divided into three types; acute trauma, chronic trauma, and complex trauma. It could be caused by an overwhelmingly negative event that causes a lasting impact on the victim's mental and emotional stability. After that negative event appeared, victims are used to having different reaction or coping mechanism. In the context of sexual violence there are including memories flashbacks, the urge to blame their self that trigger the negative event even though it is not at all their fault, avoiding people because of ashamed, sense of failure that their life is defined by only that negative event or that negative event defining their life, and denial experience that the victims them self do not want to believe what have happened.

Healing

Must acknowledge the pain, when ignored it will come back and drag the symptoms back

Deepen the relationship with someone or connect with non-abusive allies, could be by writing or speaking

Do not be defensive to face the trauma but have some courage Make a conscious decision to be well over times

Rekso Dyah Utami is one of the stakeholders in Yogyakarta that directly facilitate the victims. They offers services in collaboration with other supporting service such as temporary shelter, vocational school, hospital, etc.

Stakeholders

Yogyakarta



Figure 6. Logo of Dinas Pemberdayaan Perempuan Perlindungan Anak dan Pengendalian Penduduk Yogyakarta Source : https://www.dp3ap2.jogjaprov.go.id/



"Rekso Dyah Utami Source : https://www.rdu.or.id/



Figure 8. Logo of Dinas Pemberdayaan Perempuan Perlindungan Anak dan Pengendalian Penduduk Yogyakarta Source : https://www.dp3ap2.jogjaprov.go.id/

Criteria of Victims

- Women of sexually harassed victim
- Girls and boys victim of sexually violenced
- Men of sexually violenced victim, consultation only
- Victims (women and children) with domicile in Yogyakarta provence

- For victims outside Yogyakarta provence that report to P2TPAKK "Rekso Dyah Utami", they would be referred to local organization that can support them

Type of Services

- Psychological Consultation
- Marriage Consultation
- Social Consultation
- Medical Consultation
- Legal Consultation

Figure 7. Logo of Pusat Pelayanan Terpadu Perempuan dan Anak Korban Kekerasan

Service Procedures

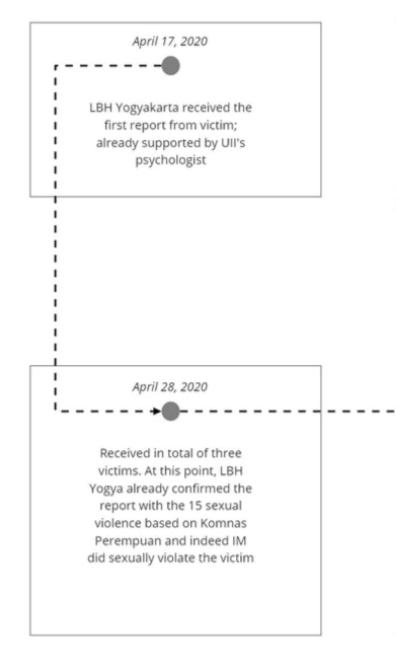
- Consultation is given to anyone within Yogyakarta province that seek and need legal advice for any kind of cases.

- For free services have to show KMS (Kartu Menuju Sejahtera) or letter from authorized RT/RW stating deserve to get free service. Normal administration would be at Rp. 100.000,00 and applied for two months.

- Willing to cooperate for any future summon.

Case Study

The (supposed to be) Unrepeated Tragedy



Menguhubungi penyintas via telpon dan beberapa dengan panggilan video, bahkan beberapa kali memaksa penyintas untuk mengangkatnya. Tanpa basi-basi, saat video atau telpon diangkat oleh penyintas, Ibrahim langsung mengeluarkan kalimat atau gambar tangkapan layar seperti:

- a. "Kamu lagi dimana? Di kamar sendirian ga?"
- b. "udah kamu buka jilbab aja, kan cuman ada aku"
- c. "kamu coba bayangin aku ada di atas kamu"
- d. "lihat deh, punyaku gede kan?" sambil menunjukan alat kelaminnya
- e. Ada juga kejadian saat penyintas menerima panggilan video, langsung dihadapkan pada keadaan dimana Ibrahim Malik sedang menggoyanggoyangkan alat kelaminnya.

Kekerasan fisik dengan:

- a. Menggesekkan paha ke paha penyintas saat duduk bersebelahan dalam forum
- b. Memegang paha penyintas
- c. Lalu ada pula kejadian dengan memojokkan badan penyintas ke dinding lalu berusaha menciumnya dengan paksa, dilanjutkan dengan menggesekkan alat kelamin di bagian perut bersentuhan dengan kulit langsung hingga terjadi ejakulasi
- d. Ada pula yang mengadukan bahwa Ibrahim mencengkeram tangan dan leher bagian belakang penyintas lalu menciumnya dengan paksaan, hingga terjadi pemaksaan hubungan badan (pemerkosaan) hingga terjadinya ejakulasi diluar alat kelamin penyintas

May 4, 2020

LBH Yogyakarta shared Siaran Pers LBH Yogyakarta untuk Kasus IM

30 reports were received by LBH Yogya including report from second party (@UIIBergerak and @FasyaTeixeira) LBH Yogya concluded that the modus done by IM were varied

Lesson Learned from Case Study

What I learned from the case is that the prepetator is used to Must acknowledge the pain, when ignored it will come back and having superior complexity making the victims being resistant to drag the symptoms back open up. And even in this case, to be able for the first report to be Deepen the relationship with someone or connect with non-abusubmitted on LBH jogja, it needs months, It means that there is sive allies, could be by writing or speaking still huge time gap in dealing with this type of case where victims Do not be defensive to face the trauma but have some courage tend to suffer alone. Make a conscious decision to be well over times

Other tendency that were done by the victims is trying to forget the tragedy (being denial) whereas that kind of coping mechanism is not solve the trauma rather it will make it keep coming back.

Figure 9. Flow Diagram of Selected Case Study Source : author summarized from https://lbhyogyakarta.org/2020/05/04/update-penanganankasus-kekerasan-seksual-yang-dilakukan-oleh-ibrahim-malik/

Healing

Problem Exploration

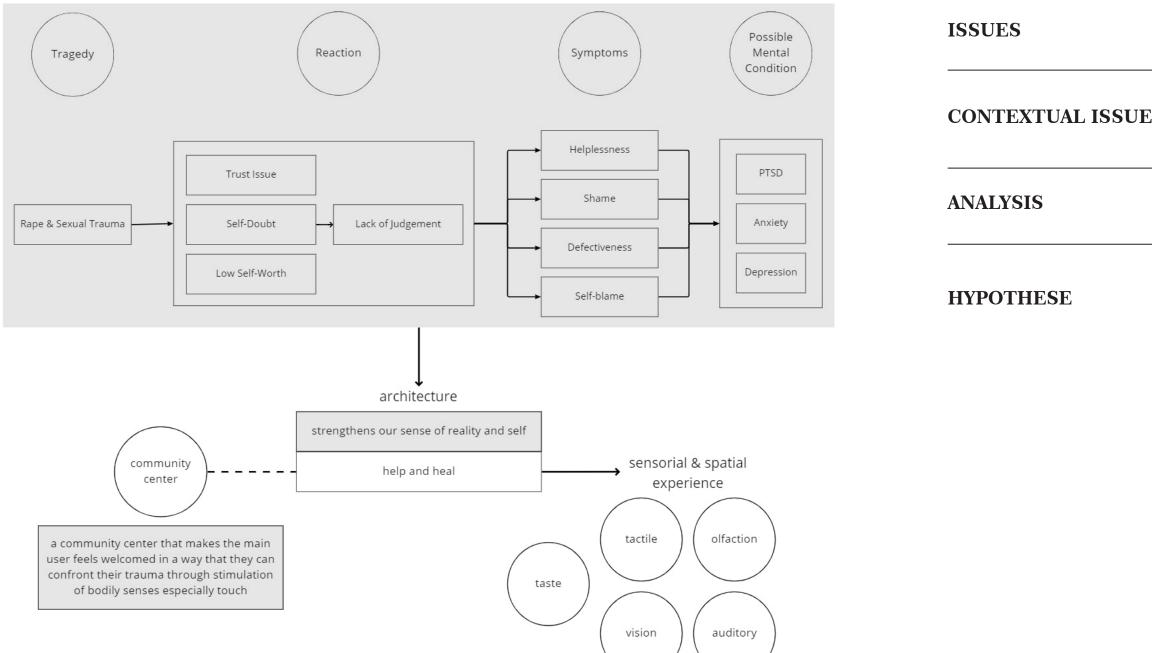
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Thinking Framework

Problem Thinking



	Untreated trauma causing horrible effect for victims of sexual violence	Uncertain parameter for architecture quality that defined as safe space partic- ularly for women
ES	Safety environment is needed especially in Yogyakarta as the city welcoming stu- dents from all over Indonesia to study	Current available facility in Yogyakarta is located at a building that was not intend- ed for its function (lack of architectural quaiity)
	A healing process could be enhanced by appealing bodily senses through archi- tecture	
	Designing a one-stop-service community center by integrating sensory approach to help healing process of the victims of sexual violence through spatial explora- tion	

Problem Mapping

Problem Formulation

Non- Architectural Issue

- Untreated trauma becoming a common source of depression
- An alarming number of sexual violence victims
- Yogyakarta as city with lots of students is still lacks of safe space

proven by many unfinished reported cases hapenned

General Problem

1. How does a space make the user to feel safe and welcomed? 2. How to answer the architectural quality as a safe space for victim of sexual violence in Yogyakarta?

Specific Problem

1. How to design healing facilitiy for victims of sexual violence through sensory approach in Yogyakarta?

- Uncertain parameter of physical safe space for women - Quality of healing facilities in Yogyakarta

Non- Architectural Issue

General Problem

1. How does a space make the user to feel safe and welcomed? 2. How to answer the architectural quality as a safe space for victim of sexual violence in Yogyakarta?

Specific Problem

through sensory approach in Yogyakarta?

Design Goals

of the victims through spatial exploration 3. Creating spaces that become a safe space especially for victims of violence

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1. How to design healing facilitiy for victims of sexual violence

1. Designing a community center that could help healing process

Sensorial & Spatial Experience

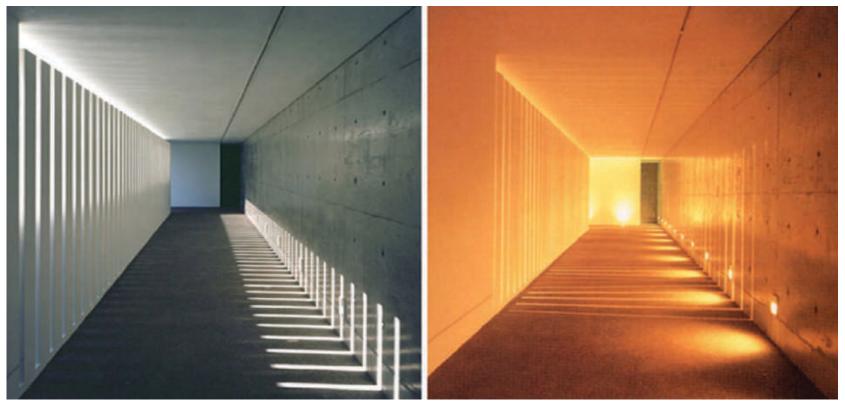


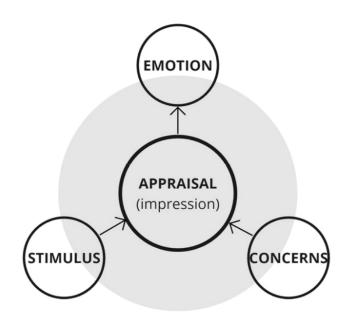
Figure 10. Example of Provision of Daylight Insight a Room - Phenomenological Architecture Source : http://digicult.it/news/the-message-of-architectures-phenomenological-medium/

Juhani Pallasmaa

The Eyes of the Skin

[The skin] is the oldest and the most sensitive of our organs, our first medium of communication, and our most efficient protector [...] Even the transparent cornea of the eye is overlain by a layer of modified skin [...] Touch is the parent of our eyes, ears, nose, and mouth. It is the sense which became differentiated into the others, a fact that seems to be recognized in the ageold evaluation of touch as 'the mother of the senses'.

The Model of Emotion

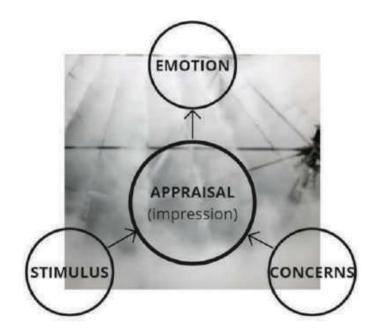


Source : Author

Architecture as a built environment (stimulus) triggers emotion when it is perceived as either inspiring or indifferent. The range of qualities to be examined in a built environment includes; sense, form, mass, void, movement, expression of form, material, tension and pressure, scale and proportion, rhythm, light, color, associations and conceptions.



Figure 11. The Blur Building - Swiss Expo in 2022 Source : https://dsrny.com/project/blur-building The Model of Emotion



Source : Author

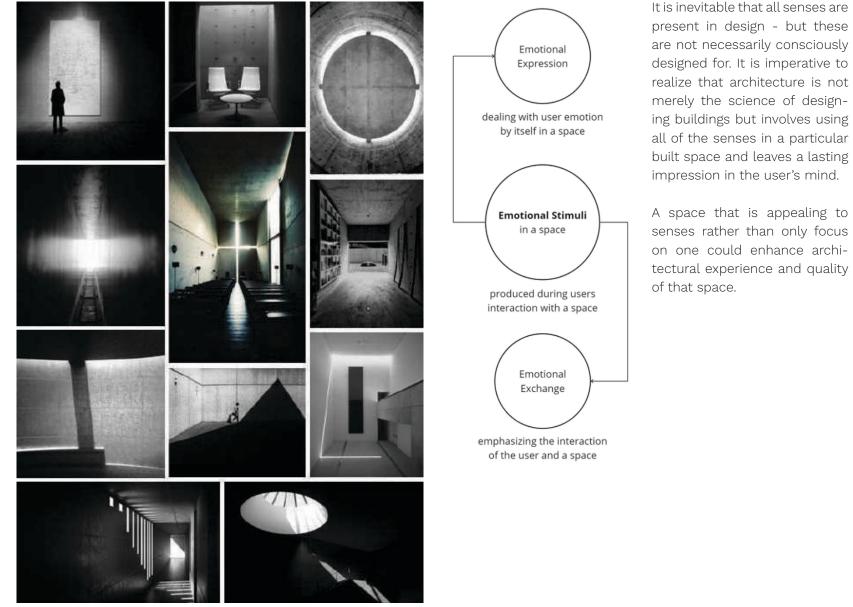
White noise form water nozzles Depthless Scaleless Dampness on skin Need to explore Uncertain orientation Blurred visual Dramatic situation

Phenomenology Architecture

Emotion Stimuli

Phenomenology demonstrated in architecture is the manipulation of space, material, and light and shadow to create a memorable encounter through an impact on the human senses. Architecture is perceived as an atmosphere that resembles certain feelings lasting different impression to each persons.

During the architectural experience when there is interaction between imagination, body and environment, only then will one have memories of every place one has visited. The existential experience will be strengthened when there is multisensory experience of the architecture and all the senses experience equally the quality of the space.



Multi-Sensory Design

Structurally in our history, sight tends to be specialized among the other. The fact that it is correlated with light and bearing roles as determining the truth. Moreover, the digitalized era has worsely driven these imbalance role including when coming to the design process which Pallasma called a retinal journey, flattening our magnificent, multi-sensory, simultaneous and synchronic capacities of imagination by turning the design process into passive visual manipulation. From those kind of design process, it produces the type of architecture that makes us outsiders.

When we see a tree, we does not then tell that it is nature. To practice architecture is to make, experience, and understand so that it contribute more of a peripheral vision rather than only focused vision. A peripheral vision integrates us with space, while focused vision pushes us out of the space.

Among other senses, the one that close to space is touch. With touch, it is impossible to think of a nihilistic sense, since touch carries unavoidable nearness, intimacy, and veracity.

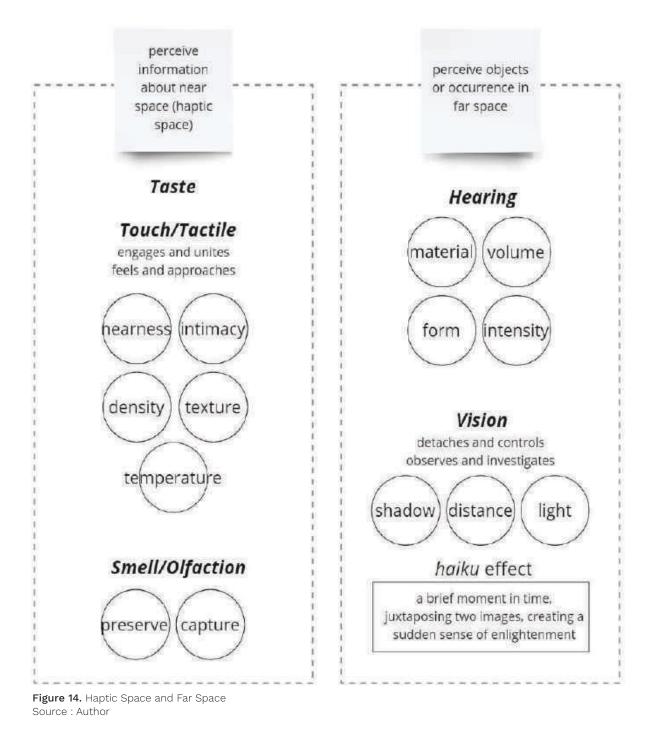
A multi-sensory design could be define as a combination of a minimum of two different sensory modalities in a sequence. For example, touching an object involves haptic and visual modalities. Multisensory processes can be multimodal if they include an active motor input, such as turning head or moving hands (Oviatt, 2017). Using multi-sensory design enhances the possibility of stimulating perception and creating stronger space experience compared to only applying unimodal sensation.

Architecture as a built environment (stimulus) triggers emotion when it is perceived as either inspiring or indifferent. The range of qualities to be examined in a built environment includes; sense, form, mass, void, movement, expression of form, material, tension and pressure, scale and proportion, rhythm, light, color, associations and conceptions.

Figure 12. Light & Shadow from Notable Projects Source : https://id.pinterest.com/



Figure 13. Yearning touch as sense Source : Instagram @zhonglin



Visual & Auditory Experience

Taste and smell have an essential role in our everyday life to judge whether food, an object, a person, or space is safe and clean. On top of sensorial elements, the product experience must also take into account situational, cognitive, social, and cultural factors before the decision of goodness, pleasantness, and desirability can be done (Cardello & Wise, 2008). It is essential to understand that associations with smells are hypersensitive and because of that, the variation related to olfactory experience may have more variety in individuals and different cultural groups than any other attribute. It practically impossible to design a pleasant odor for everyone.

Although odors can evoke a different kind of reactions, they have been used widely, especially in strengthening the product and brand identity. Integrating odors in a space could enhance the feels of safety and comfort in a general way possible.

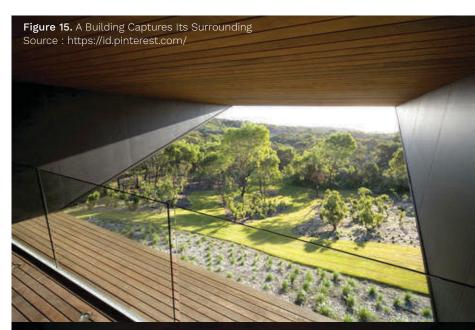


Figure 16. A SpaceAppeals Visual Sensory Source : https://id.pinterest.com/



Architecture as Safe Space: Sensory Based Community Center

Olfaction & Taste Experience

Humans use sounds often unconsciously (Egmond, 2008) but they are sensory messages in everyday life since they include an enormous amount of information, both practical and physical. In the realm of design, sounds should be focused on its totality so that it could draw attention towards more comprehensive qualitative perception, which might be different from its separate parts. Moreover, designer should follow the same principle and think incoming signals rather as a totality instead of separate signals.

The visual system operates mostly with the contrast of values such as luminance and color instead of absolute values (Nefs, 2008). As an example, if a product needs to draw attention, its contrast should be increased in relation to the environment. For that reason, things should be designed as a whole while considering the final environment. Visual information also includes hedonic qualities, but the competition among different visual information is often really high in the environment.



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Tactile Experience

All senses are an extension of a tactile sense, and all sensory experiences are modes of touching and related to tactility in that way (Pallasmaa, 2005). Unlike any other senses, the haptic system helps the user to learn properties such as weight, temperature, humidity, texture, elasticity. Skin and muscle receptors can, for example, detect a brush of fur, breeze of wind, a droplet of cold water, bumps and vibration on the road, and even a subtle weight shifts of an object. Touching is not limited only to hand, but the whole body and touch makes one physically aware of oneself and the surrounding environment. Touch is also related to feelings of safety, affection, and intimacy.

Bargh and Shalev (2012) conducted a study, that social warmth can be affected by physical warmth; chronic loneliness was associated with sensitivity to take longer warm baths or showers. In another study, they studied physical coldness and how it affects the feeling of loneliness.

In a built environment, haptic experiences are not discussed much from the perspective of hedonic qualities. However, they are used in practice and, for instance, the change of material texture in the road is used to inform the car driver to slow down or get back on the lane. However, haptic qualities could also provide new ways to create more pleasurable experiences, or according to the study of Bargh and Halev (2012), even increase individual well-being.

Typological Studies The Whole Building Design Guide by Smith and Watson

Key Design Factors 1) Reduce or eliminate stressor 2) Provide positive distracters 3) Give sense of control 4) Enable social support

Therapeutic Healthcare Environment 1) Support clinical excellence in treatment of physical body 2) Support psycho-social and spiritual needs 3) Produce measurable positive effects on patience

The Study on Behavioral Health Facilities by Shepley

Psychological Needs 1) Personal space and density 2) Control and choice 3) Sensory consideration 4) Spatial clarity and organization 5) Stress reduction 6) Comfort 7) Hominess

Shelter 1) Secluded place for safety 2) Residents can not go outside 3) Phones are not allowed 4) Residents feel at ease and comfort 5) There are accompaniment 6) Shelter just for emergencies but for further handling, there should be in hospital 7) For empowerment, it is networking with Dinas Sosial 8) Parking area is needed

Function Needs 1) Effective communication 2) Connection to the outside 3) Treatment and care 4) Safety 5) Maintenance

Typological Studies (Tutty, 1999) Categories of Shelter Accommodation

- Emergency Shelter : short or medium accommodation having in communal spaces such as kitchen, dining area, lounge, and period of stay less than 90 days; services include provision of children play, they have direct access to secure outdoor space household and personal goods, counseling, referrals, individual and are able to create space to encourage peer support and advocacy, safety planning, and followups break the isolation coming from abuse; instead of multiple beds or bunk beds causing vulnerable and distressed state, use single - Transitional : long term stays; assistance upon transition from and double bedrooms with connecting door between selected emergency shelter to permanent housingwith staying period rooms for multiple children case (room quality includes ensurwithin 90 days up to a year ing sound proofing between spaces and wall partition surround private domain); separating living area (dorms, kitchen, etc) from - Third Stage Housing : permanent housing addressing those in semipublic and public zones (privacy purposes); another point is needs (disabilities, substance abuse, mental illness); communithat it is important to make sure there is autonomy to choose the ty-based resources: housing initiative, emotional and legal suplevel of engagement and interaction

port

4) Individual flexibility (*to remind that the purpose of the shelter There are other form of shelter with more specific purposes such is to create new home); leave a room for personalization to help as safe homes or network with stay period one up to seven days, transition phase be more comfortable, reclaim sense of belongconfidential private accommodation that often comes in aparting by having ability to customize their environment, for instance ment typology, emergency safe space that could be a hotel, hosgiving control over lighting and temperature levels and movable pital, faith based institution, and sanctuary scheme that incorfurniture that can be arranged as wished "There is comfort that porates security measures within the victims home by removing comes from having a place to call your own" perpetrators and enabling victims to remain in their home.

1) A powerful sense of arrival, for instance by having a welcoming canopy that brings warmth to the facade 2) Robust security features that did not feel like institution 3) Balance between connection and privacy including sense of community and spatial means for privacy, for instance

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5) Physical and emotional security; try to redefine what kind of security that is relevant, create more of a passive security strategies, know the triggers that could make the residents feel at risk, encourage victims to feel empowered to find strength in moments of weakness and choose a path toward recovery

- instead of using physical barrier, create a warmth and straight forward space organization

- welcoming entrance
- predictable floorplan to reduce need of surveillance camera
- mechanical and electrical rooms can be accessed from outside
- to avoid stranger entering enclosed space
- placement of window not directly facing pedestrian
- high masonry wall on the backyard area
- lockable closet in bedroom

Typological Studies

Typological Studies

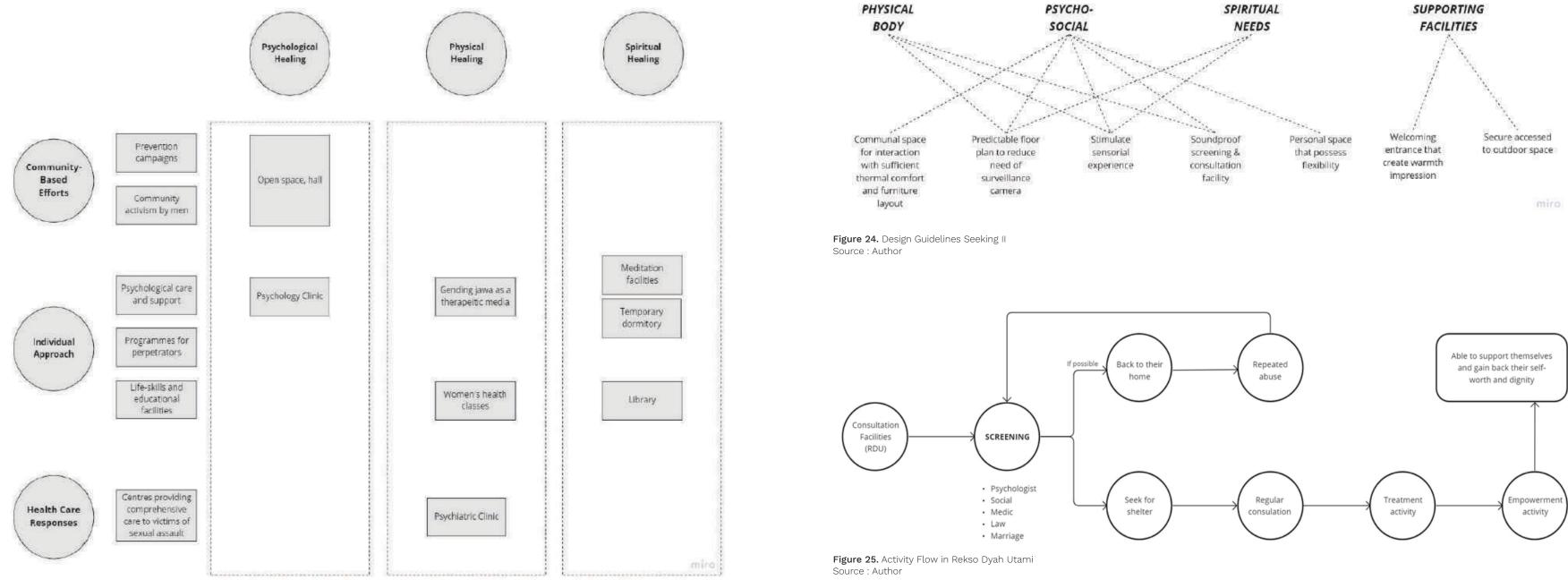


Figure 23. Design Guidelines Seeking I Source : Author

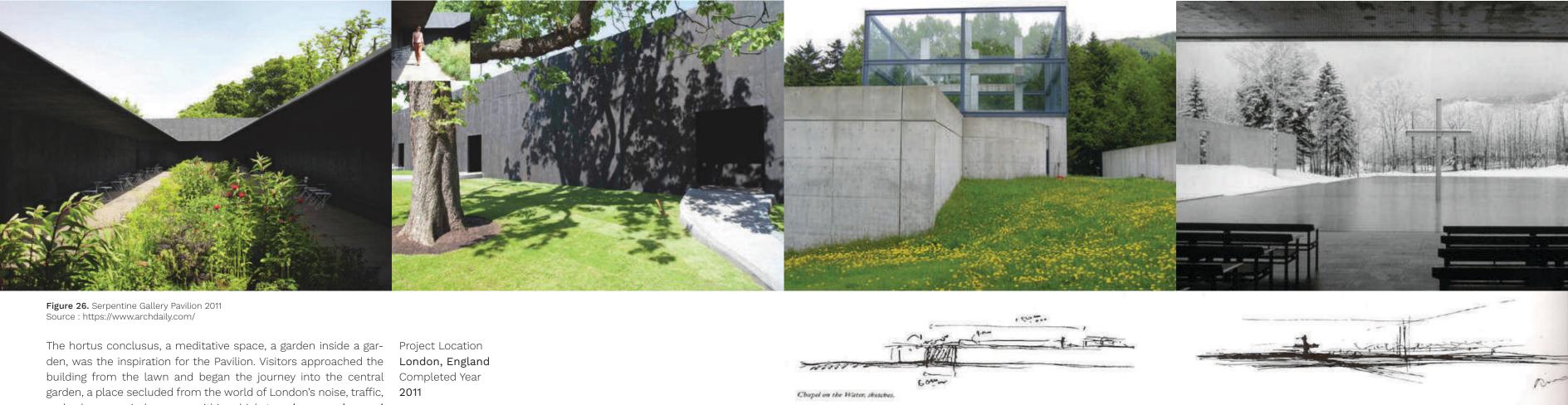
Previous Project Studies

- Really



Serpentine Gallery Pavilion 2011

Peter Zumthor



and odors - an indoor area within which to relax, wander, and examine the flowers.

The materials are important in supporting the design, which emphasizes the importance of the senses and emotions in the way to experience architecture. The design aims to allow its audience take the time to relax, to observe and then, perhaps, start to talk again.

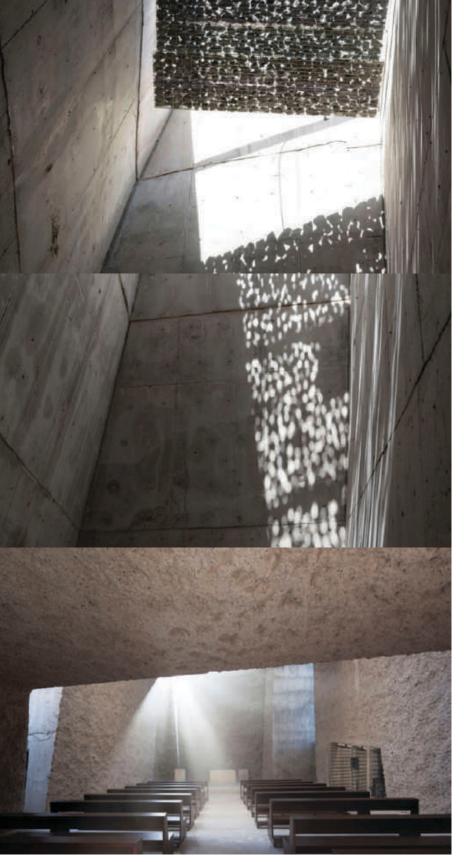
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Figure 27. Church on The Water Source : https://www.archdaily.com/

Project Location Completed Year

Ando's objectives to create a holy place were realized through the **Tomamu, Shimukappu** ceremonial and tortuous approach route, as well as the L-shaped wall that separates the church as an isolated and protected lo-1988 cation from the hotel behind it. The natural setting around the cathedral enhances the experience.



The Holy Redeemer Church and **Community Centre of Las Chumberas** Fernando Menis

Project Location TSAN CRISTOBAL DE LA LAGUNA, SPAIN Completed Year 2021

Lesson Learned

- Concrete material is used to expressed several aspects including exterior, interior, structure, form, matter, and texture. For instance, there is a rough concrete that strikes a sharp contrast with the conventional residential context.

- Space organization integrated with skylights is aimed to achieve same effect on function, matrimony, and priesthood.

Zunyi Memorial to the Body and **Organ Donors**

TJAD Atelier L+ Studio

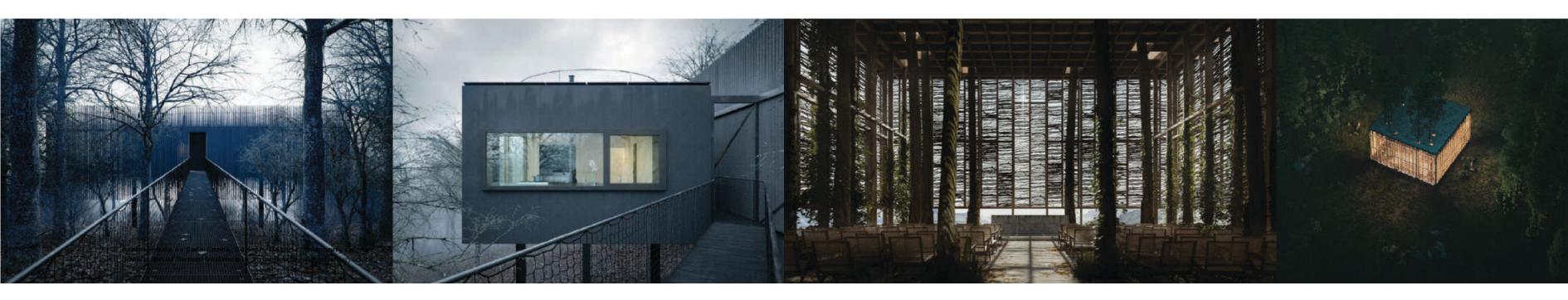
Project Location TZUNYI, CHINA Completed Year 2020

Zunyi Memorial to the Body and Organ Donors aims to provide a quiet public place to mourn and remember the donors of human organs (human body, corneal tissue, etc.) for their selfless spirit, and pay respect for their loving dedication. The new building is made as much as possible presenting a simple and low-key posture, maintaining a humble and open interaction with the local natural scene and the humanistic spirit of contemporary society. Architecture praises life: Those who volunteer their bodies or organs before the end of their lives must have an optimistic and brilliant life. The design is based on the concept of "Light/Englightment": the light of life, strong or weak, but spread out to illuminate a corner, beautiful and calm! (poetic, empty)

Figure 28. The Holly Redeemer Church and Community Centre of Las Chumberas Source : https://www.archdaily.com/



Figure 29. Zunyi Memorial to The Body and Organ Donors Source : https://www.archdaily.com/



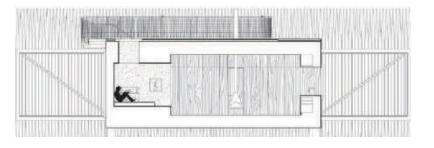


Figure 30. A Space of Contemplation and Sanctuary Source : https://www.archdaily.com/

A Space of Contemplation and Sanctuary WOJR

Project Location Ithaca, NY Completed Year 2013-2018

Lesson Learned :

- The way it exist not merely as a single building but instead an art that provokes inspiration seen by how it responses to the site - Unlike many other buildings, the space includes negative feelings such as grief as is its concept

Figure 31. Zunyi Memorial to The Body and Organ Donors Source : https://www.archdaily.com/

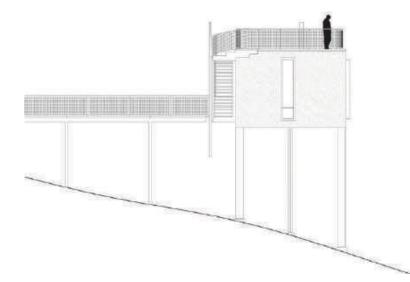
Architecture and Nature Come Together in **Secluded Earth Chapel** JPAG Atelier (Jean-Paul Al Hachem)

Project Location Lebanon Completed Year 2020

Lesson Learned :

- With the concept of a retreat facility from the busy city life, the chapel embrace its site context by blending with the trees around and create unseperable being in nature experience inside the building

- The goal is achieved thruough principles of simplicity and purity for instance the application of wooden facade



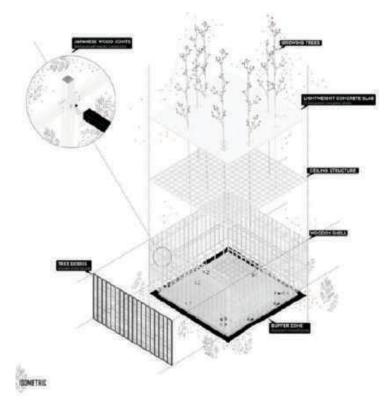




Figure 32. Girl Move Academy Source : https://www.archdaily.com/

Girl Move Academy ROOTSTUDIO + Paz Braga

Project Location NAMPULA, MOZAMBIQUE Completed Year 2019

An academy partner with local university. Beyond functionality, the building had to live up to the purpose of inspiring others, providing a new reference: innovation, sustainability and valuing local resources and knowledge.

- Use of locally resourced material
- Spatial organization to develop social interaction
- Enhance natural lighting
- Play with texture and shadow from bricks

Haven Domestic Violence Shelter MAS Design Group

Project Location Bozeman, Montana, USA Completed Year 2019

Lesson learned :

but also helping to destigmatize the survivors experience ic, and private family suites or dormitory

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- Mix use function, not only expanding education for the survivor - Several function provided including playgrounds, psychiatry clin-



Figure 33. Haven Domestic Violence Shelter Source : https://massdesigngroup.org/work/design/haven-domestic-violence-shelter

Architecture as Safe Space: Sensory Based Community Center



Project Location TEL AVIV-YAFO, ISRAEL Completed Year 2018

Lesson learned : - Spatial arrangement is created based on the safety issue like

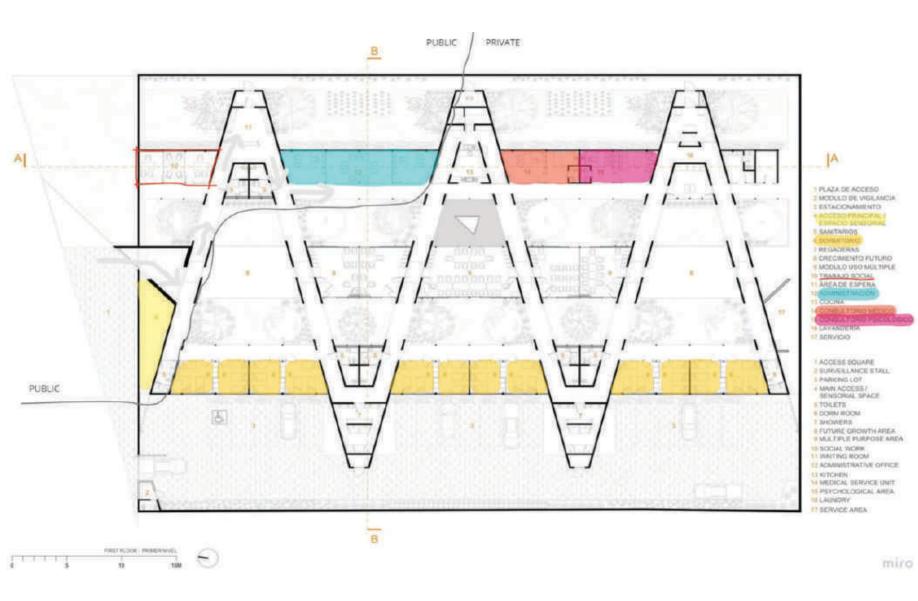
dormitory area is tilted - Communal space is provided in the middle of the building so that it could be accessible - Zoning of private and public realm in relation to its circulation

Shelter For Victims Of Domestic Violence Amos Goldreich Architecture + Jacobs Yaniv Architects



Figure 34. Shelter for Victims of Domestic Violence Source : https://www.archdaily.com/

Architecture as Safe Space: Sensory Based Community Center



Shelter for Women Victims of Violence ORIGIN 19°41' 53" N

Project Location ORIGIN 19º41' 53" N Completed Year 2017

An academy partner with local university. Beyond functionality, the building had to live up to the purpose of inspiring others, providing a new reference: innovation, sustainability and valuing local resources and knowledge.

- Use of locally resourced material
- Spatial organization to develop social interaction
- Enhance natural lighting
- Play with texture and shadow from bricks

Figure 35. Refugio para Mujeres Víctimas de la Violencia Source : https://www.archdaily.com/

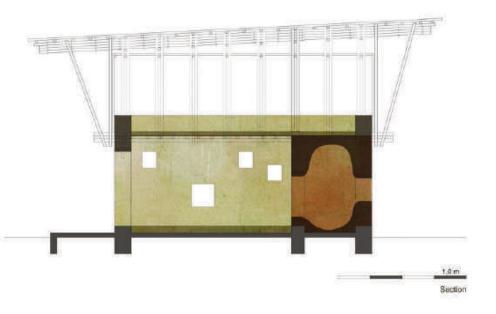


Architecture as Safe Space: Sensory Based Community Center

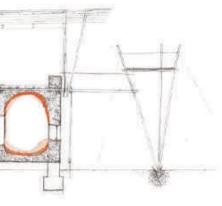


Figure 36. Handmade School Source : https://www.archdaily.com/

section



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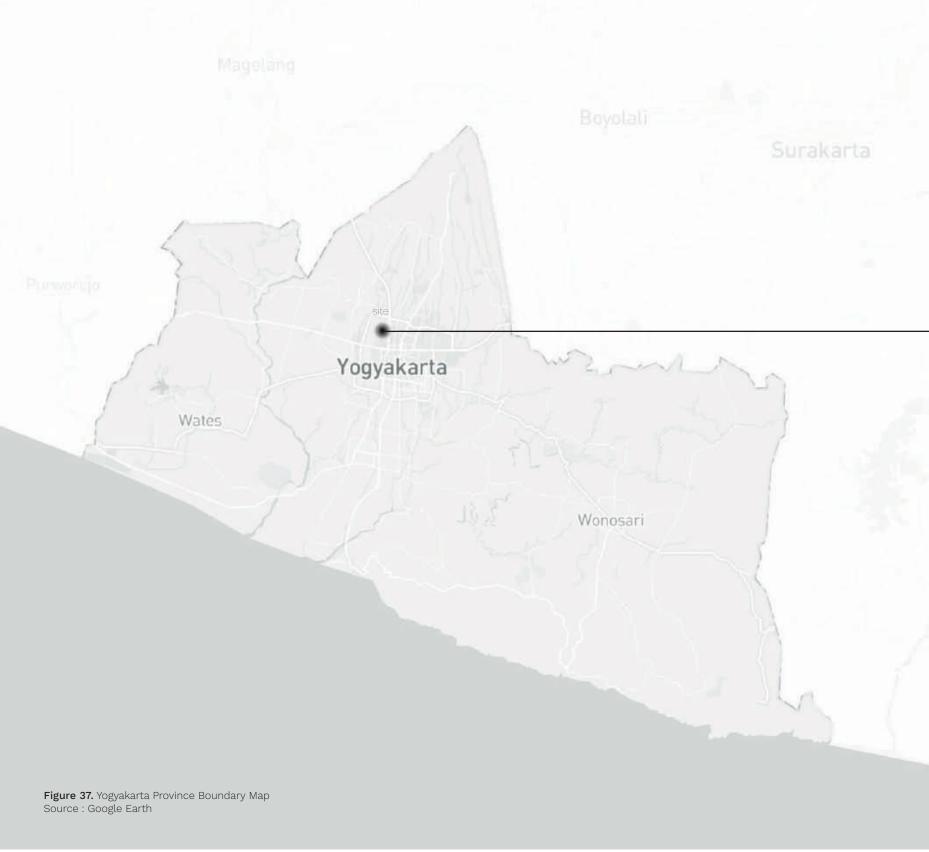
Handmade School Anna Heringer + Eike Roswag

Project Location DINAJPUR, BANGLADESH Completed Year 2007

The goal of this project is to give the rural people access to high-quality, comprehensive education. Children and youth are encouraged to grow into responsible, motivated, and creative individuals who utilize their talents to enhance and develop their immediate rural area. Reading, writing, and arithmetic, as well as languages, are taught in a free and open setting. Meditation, dancing, and creative writing are all part of the METI School's daily curriculum, as are conversations, group learning, and self-critical and social behavior.

Site Context & Features







Kutu Patran Sinduadi Kec. Mlati Kabupaten Sleman Daerah Istimewa Yogyakarta

Thesis Project Final Architectural Design Studio 2022

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Figure 38. Pin Point of Site Location Source : Google Earth

Site Qualification

- 1. Could be accessed through multiple entrance
- 2. Has tranquil quality, secluded but still accessible
- 3. Nearby hospital in radius less than 5 km
- 4. Support sensorial quality

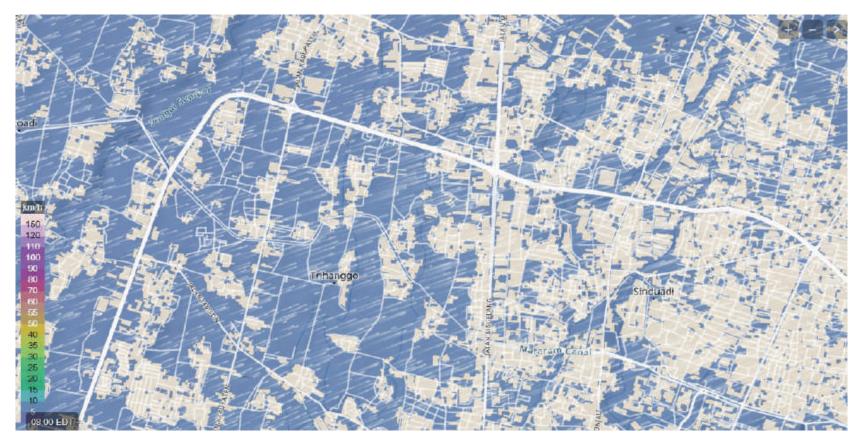
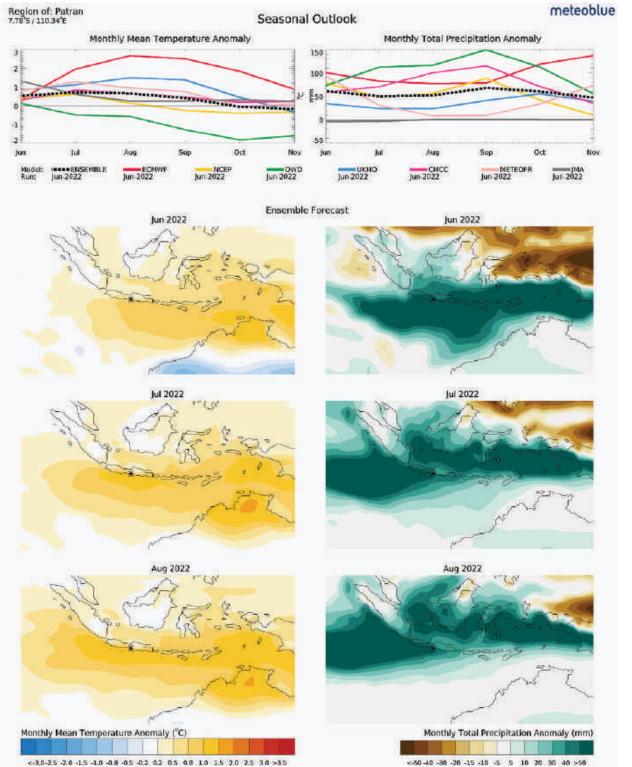


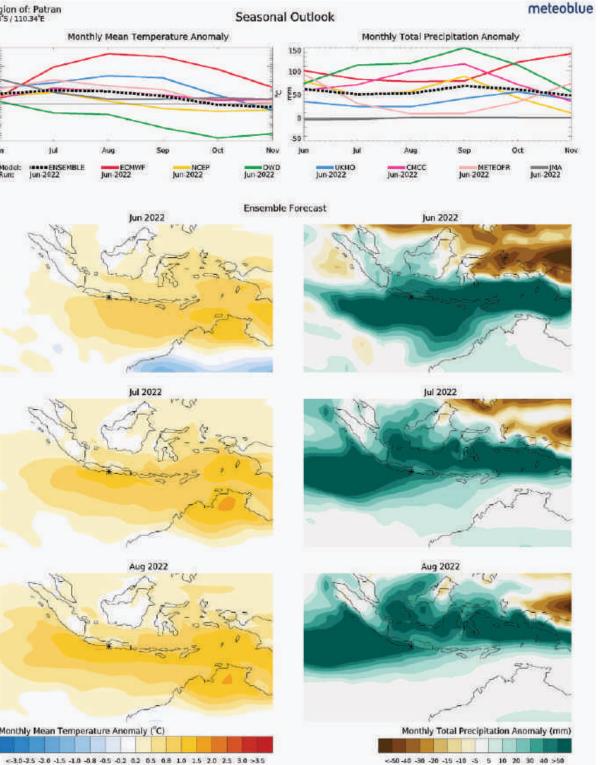
Figure 39. Sinduadi Wind Direction Source : Meteoblue

Climate Condition

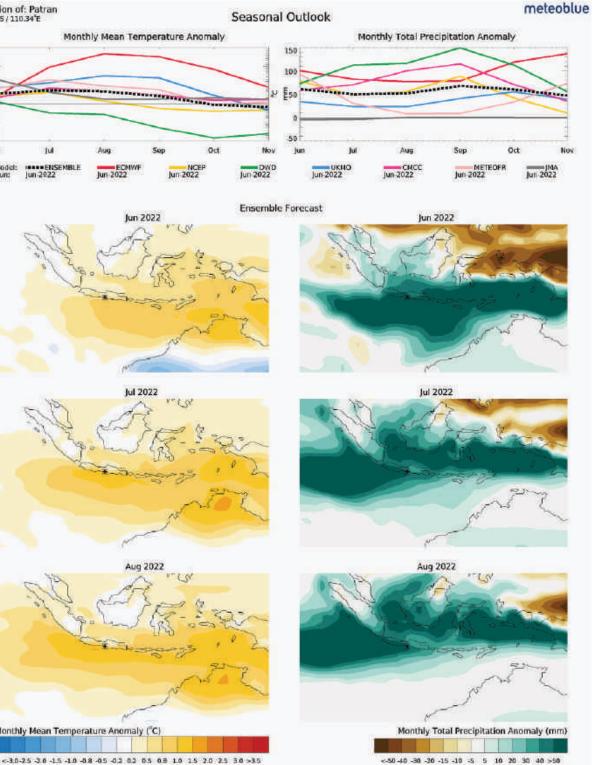
Patran

Located in tropical climate condition, the site experience 2-5 km/h wind speed mainly from south-west direction. This is in relation to the integration of olfaction experience where wind could help spreading the smell. Meanwhile, temperature range from lowest 22ºC until highest 34ºC. By that fact, tactile experience could be explored through the scheduling of activity in particular function in certain period of time.









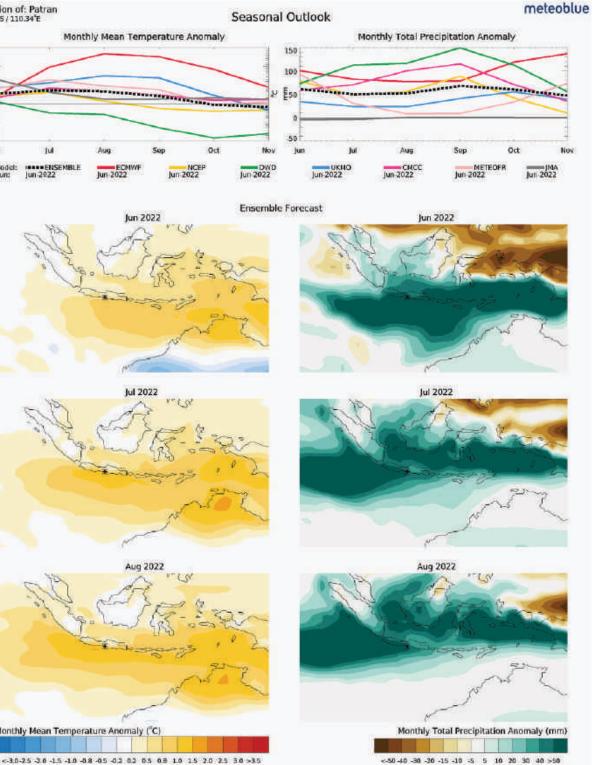


Figure 40. Sinduadi Climate Condition Source : Meteoblue

Site Surroundings Patran







Design Analysis

- 12.25x 4

2012 12 . 20

H 10 2 3



Design Response

STF	RICT	
ZC	ONE	

Any area with lower needs of sensorial experience such as surveillance pos, administrative office, information center, medical service unit, etc.

SEMI-EXPLORATIVE ZONE

Area having middle level of sensorial experience that in this area, a sensory stimuli would mildly explored.

EXPLORATIVE ZONE

Explorative area that appeal bodily senses in purpose to help releasing the stressor for the victims.

Spatial Quality

The community center facility should fulfill the requirement to be able to give strict privacy and safety services so that the facility differentiate the function based on three spatial zones based on the classified user. This zones is related to level of sensorial experience needed to deliver particular experience needed.

	ROOM REQUIREMENT	SENSORIAL EXPERIENCE				
BUILDING FUNCTION		Tactile	Olfaction	Taste	Vision	Hearin
CONSULTATION FACILITIES	SURVEILLANCE POS				1	
	PARKING LOT				~	~
	LOBBY AREA/MAIN ACCESS	~	~			~
	INFORMATION CENTER				1	
	TOILETS	~				
	WAITING AREA				1	
	SCREENING ROOM					
	PANTRY		*	~		
	ADMINISTRATIVE OFFICE				~	1
	CONTEMPLATION AREA	1	×		~	1
	TOILETS	~				
	SHOWERS	1				
SHELTER	DORM ROOM	~	~			
	KIDS PLAY AREA/SOCIAL SPACE				1	
	LAUNDRY					
	KITCHEN	1	*	~		
	FUTURE GROWTH AREA (LIBRARY					
	& FLEXIBLE WORKPLACE)	~	×		~	×
EMPOWERMENT FACILITIES	MULTI PURPOSE AREA	~			~	
	PSYCHOLOGICAL CONSULTATION					1
	SPIRITUAL DEVELOPMENT ROOM					~
	MEDICAL SERVICE UNIT					1

TACTILE

Closeness and intimacy is created through the spatial organization and material selection Temperature and humidity of the space will be explored by creating elevation and mass organization Integrate the scent to create comfortable and safety ambience through the material selection and space orientation

OLFACTION

TASTE

Complementary drink when coming to consultation could reduce feels of worried

VISION

Integration of natural and artificial light on the space Shadow to create depth and sense of comfort A visual boundary applied to ceilings, floor, or vertical elements to distinguish space function or public

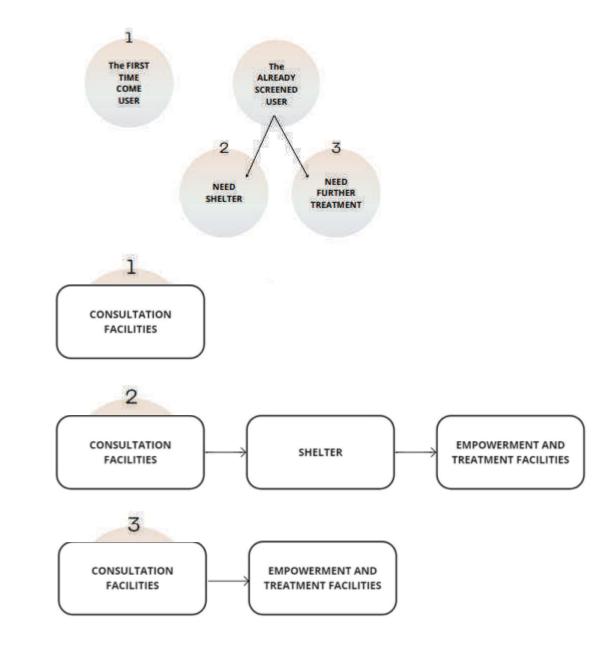
or private realm

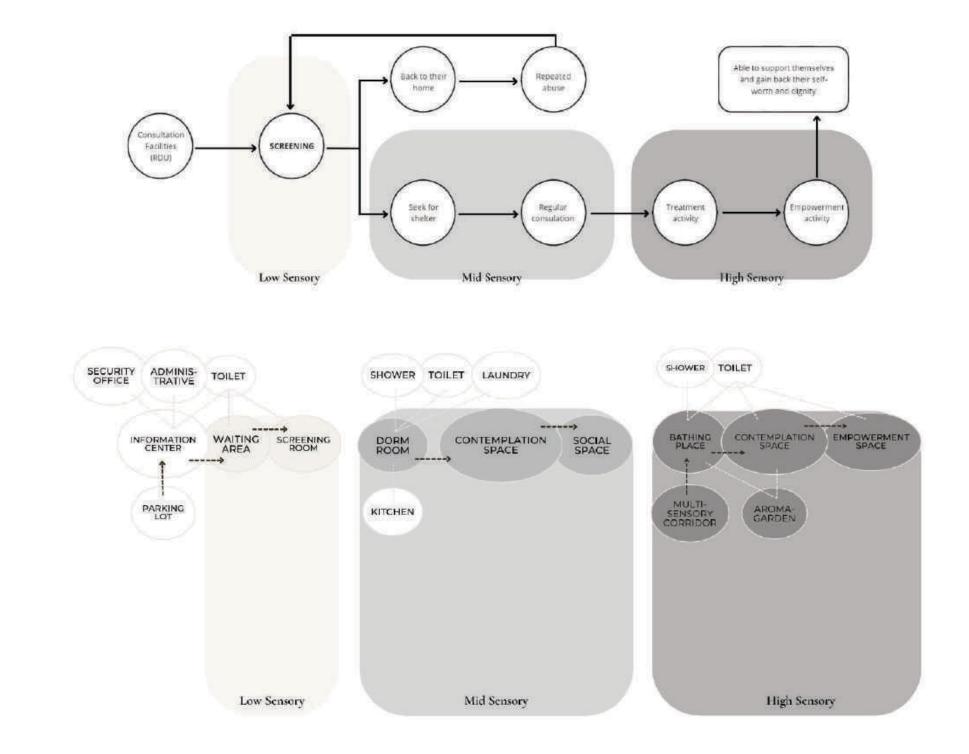
HEARING

Integration of calming soundscape through the use of water element and bird sounds that refers to nature sound, many open area

User Activity

Following the strictly safety requirement, the facility needs to provide multiple entrance for the user. Excluding the staffs that include doctors, psychologist, etc, the following user explained will be the main user only which is the victim of sexual violence with guardian if any.





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Sensory Level



Acknowledge the Pain & Trauma





Meditate to Connect Body and Soul





Place of Remembrance



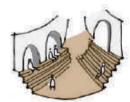


Explorative Space



The Power of Breath





Rebuild Trust & Confidence





Acknowledge the Pain & Trauma





Meditate to Connect Body and Soul









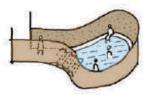


Place of Remembrance

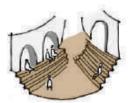




Explorative Space



The Power of Breath

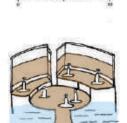


Rebuild Trust & Confidence

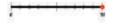
Olfactory



Acknowledge the Pain & Trauma



Meditate to Connect Body and Soul





Place of Remembrance

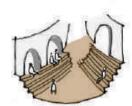




Explorative Space



The Power of Breath



Rebuild Trust & Confidence

Auditory



Acknowledge the Pain & Trauma





Meditate to Connect Body and Soul





75

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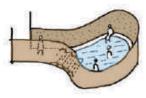
Place of Remembrance



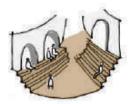


Explorative Space





The Power of Breath



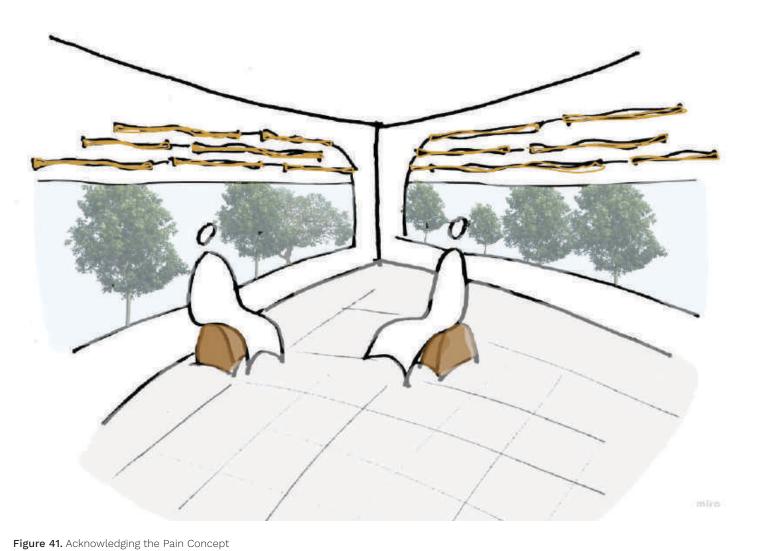
Rebuild Trust & Confidence





Acknowledging the Pain & Trauma

Highlighting visual and auditory stimulation with mild tactile experience



Source : Author

In order to be able to heal, one should acknowledge or start dealing with the pain of their trauma. The calmness and purity of naplays an important role to capture the nature's character.

The purpose of this first stage when coming to the facility is to slowly appeal the bodily senses. Then during the more or conture helps the victims to feel at peace. Here, the vision stimuli tinued steps, the senses will become more complex and robust.

Level of sensorial stimulation in this facility is categorized as low sensory. The architectural exploration leads to the purpose of creating space that triggers emotion and creates **comfort**. Openness is the keyword that is most suitable to describe the space.

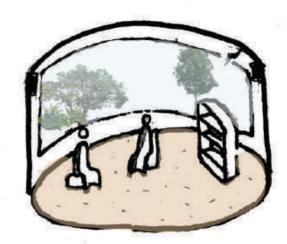


Figure 42. Acknowledging the Pain Concept Source : Author

Visual

Drawing the eye to outlook the view of eye-level tree branches by using pale color palete for interior

Auditory

Metallic installation placed above the openings that is stimulated by the wind flow coming through the space

Tactile

Flooring texture allowing user to feel the breeze of natural stone that could bring out sense of comfort

A Place to Recall

Exploring their stories through simulation of bodily senses

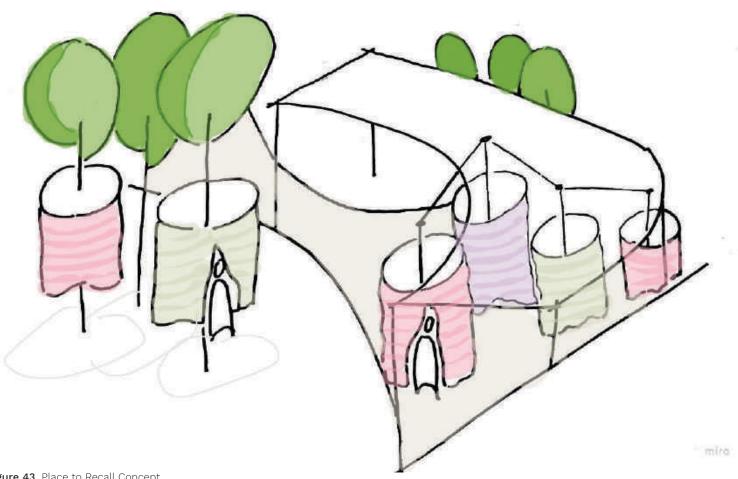


Figure 43. Place to Recall Concept Source : Author

To fully deliver the victims's story is impossible doing it on one session. Therefore, a place to recall is to give a safe space through mainly olfaction stimuli by creating pods of smell that what is trying to highlight here is the different preferences or perception of smell catched. In the pods they can write or paint their story in other words it allows them to have the time and space for themselves.

Level of sensorial stimulation in this facility is categorized as midsensory. Encouraging unusual activity, the architectural expression tried to be delivered is tender and intimate.

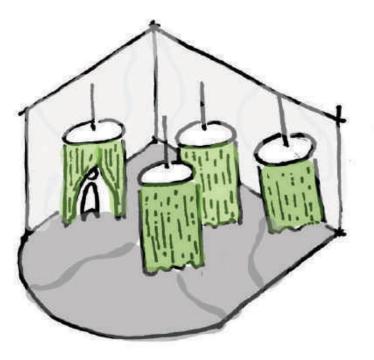


Figure 44. Place to Recall Concept Source : Author

Olfactory

Pods of smell is curated through layers of vertical elements infused with characterized smell hanged in a circular metal rings

A subtle tactile stimuli from the nearness of each pods and texture of the ground

Visual

Solid and void space experienced presented by placement of pods and sheltered-unsheltered space

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Tactile

The Power of Breath

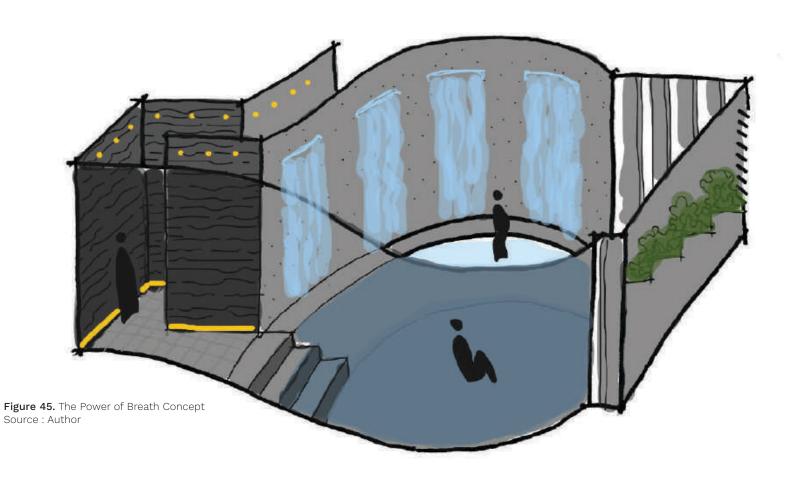
Practicing body mindfulness with series of sensorial explorations

Level of sensorial stimulation in the Power of Breath is categorized as high sensory. The architectural exploration leads to the purpose of creating space that is warmth and serene ambiance.

Warmth light ambiance directed to natural stones showing texture of natural stone

Water temperature stumulation and material roughness from natural stone

Vertical water splash running down on the



Bathing could be one of the activity to practice breathing. The hot water stimulation could enhance the feeling of warm and calm. By practicing body mindfulness, it means to release the trauma stressor and accept the feeling as it is.

mira

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Olfactory

Integration of Eye-Level Terraced Vegetation

Vision

Tactile

Auditory

rough texture of stones

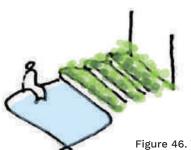


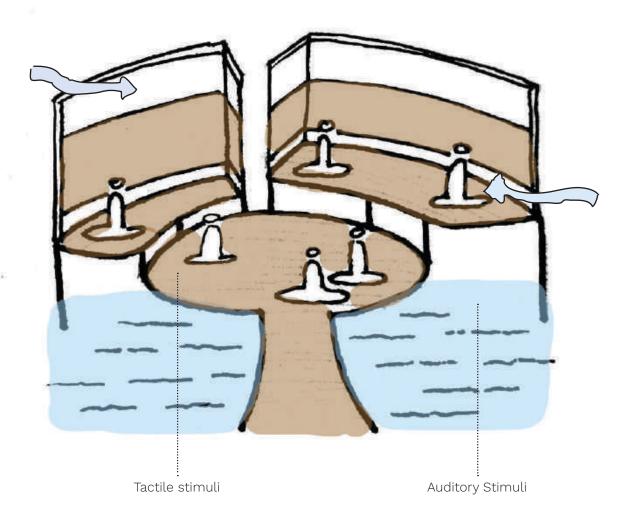
Figure 46. The Power of Breath Concept Source : Author



Figure 47. The Power of Breath Concept Source : Author

Meditating to Connect Body and Soul

Spiritual development through intense sensorial exploration



Level of sensorial stimulation in this facility is categorized as high sensory. The function covers several activities including meditation, praying, discussion, and contemplating. Architectural expression tried to be delivered is quiet, focus, and calm.

Material roughness using combination between natural stone and timber

Natural lights coming through patterned facade creating shadows for the interior

Surronded by water pond, the sound of water slowly flowing beneath the space enhance calmness

Haptic experience by incorporating tactile from rough material, Figure 48. Meditating to Connect Body and Soul Concept different elevation, and temperature from cross ventilation also water feature is presented to develop nearness and intimacy feeling so that bodily senses could be appealed and the mind could focus on oneself.

Source : Author

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Tactile

Visual

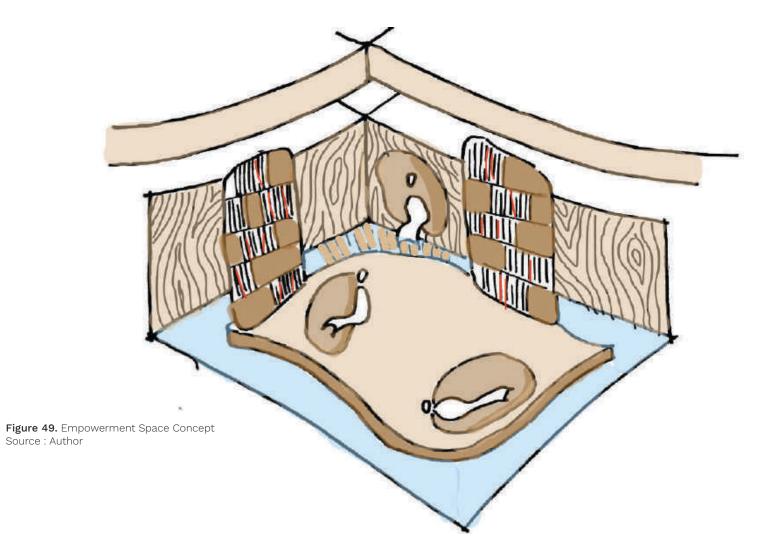
Olfactory

Catching mild olfaction experienced from terrace vegetation

Auditory

Empowerment Space

Discovering new identity and exploring the potential



A healing journey does not define as one way journey but rather series of miraculous enlightment that is leveled up. An empowerment space is intended to be a stimulation of creativity, knowledge making, and productive interactions.

Level of sensorial stimulation in this space is categorized as midsensory. The architectural exploration represents flexibility and unique.

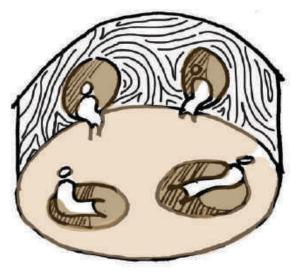


Figure 50. Empowerment Space Concept Source : Author

Intricate timber texture represented on the vertical elements with a twist of cavity

Penetration of natural lights surrounding the space above the timber texture as one of the function is a place to learn

Serene water flow surrounding the space represents fluidity of knowledge

85

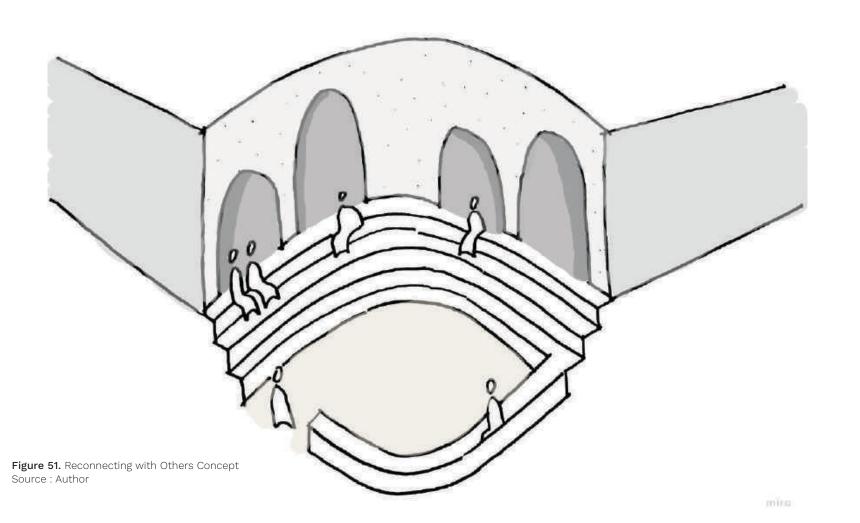
Tactile

Visual

Auditory

Reconnecting with Others

Induce collaborative relationship



Impression of others could be the one important roles to rebuild trust and confident. A combination of haptic and far space stimuli including visual, olfactory, and tactile exploration from vertical elements are presented.

Level of sensorial stimulation in this space is categorized as midsensory. The architectural exploration represents connection and comfort.

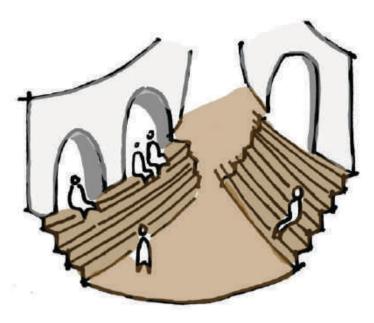


Figure 52. Reconnecting with Others Concept Source : Author

The sunken concept create zones of smell in which higher elevation spaces are the nearest from the source of smell placed on each of the cavity encourage deeper bondings

Visual

Tactile

Different roughness level of concrete presented to the space and the temperature level created by sunken

87

Olfactory

Circulated terraced concrete aims to create closure

Mass Concept Building Form

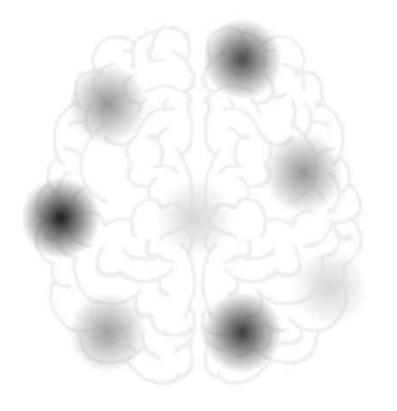
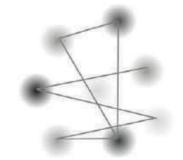


Figure 53. Mass Concept Source : Author

Trauma memories in the mind represented by spots that posses different deepness of pain

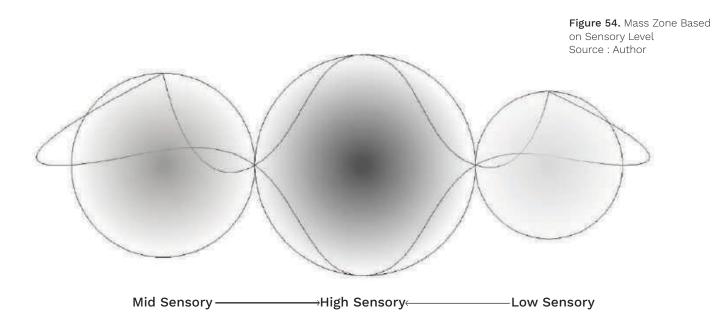


The pattern indicates how each memories connected to each other





The way it is connected is transformed to be fluid so that it represents the up and down phase of facing the trauma



Each of the circle represents its role on the whole healing journey in this one-stop-service community center. The journey starts from the right on low sensory experience where main user starts opening up. On the first journey, all the main user experience what it is to dig in their trauma.

The flow of how their journey is is reflected through the fluidity of the circulation composition.

Then, the implemented-centralized composition with the highest sensorial experience on the center enhance the connection in between the facilities provided. Entering the high sensory part, here are where stimulation of sensorial experience is highly penetrated in accordance with most activities of the facilities would be conducted here. Tactility, olfactory, auditory, and visual experiences would be presented on this part. It is where the healing journey from trauma would be all explored.



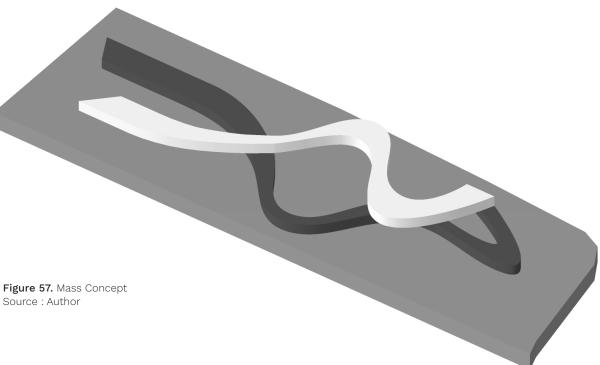
The case abuout trauma, it is not constructed by particularly-single memory. Instead, it is the combinations of painful or strange memory that collide. The pattern representing ups and downs of the healing journey is enclosed. Creating voids in between the "simpul".



Meanwhile, the facility sees a bright future of the victims, a hope that they can live excitedly though accompanied by their trauma. Since the healing journey is strated from the right part, on its end (on the left) its openness represents a sense of liberation .

Mass Concept Building Form

If the openness flow represents hope, the contrast between the two mass represents a contradicting self-image experienced by the victims. Darker one is the less constructing and destructive image where they felt worthless while the lighter one symbolize empowered and confidence image. The two mass sits above an elongated site where the darker mass is beneath the lighter one.



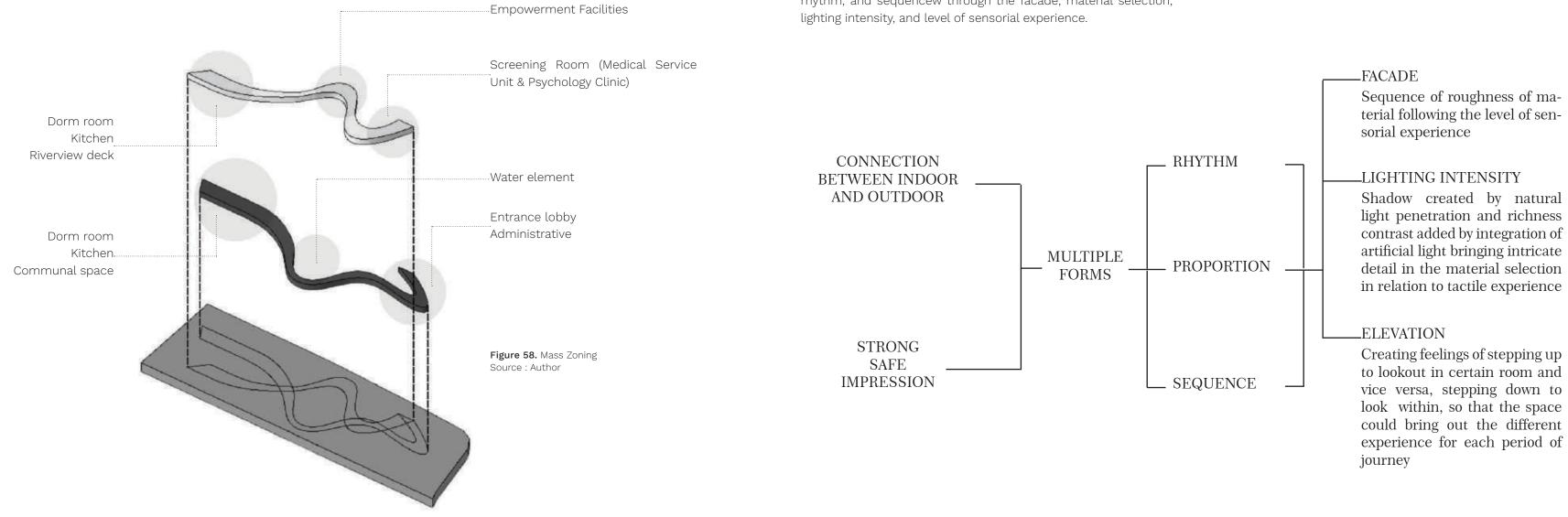
Source : Author

91

90

Mass Concept Building Form

The form of the building was driven by a desire to create connection between indoor and outdoor space and strong safe impression. It leads to produce separated forms that craft proportions, rhythm, and sequencew through the facade, material selection, lighting intensity, and level of sensorial experience.



92

93

Temporal End

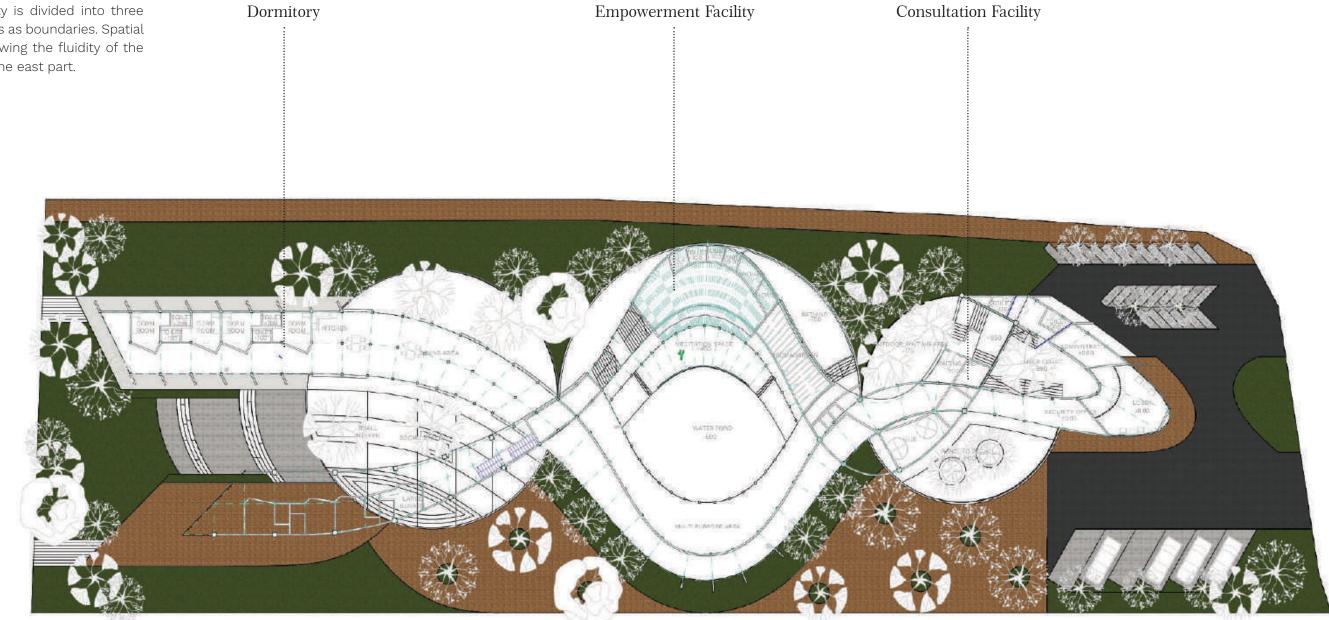
Final Design Results

A. R. S. S.



Site Plan

As in the concept, the facility is divided into three sections showed by the circles as boundaries. Spatial organization is arranged following the fluidity of the pattern. Entrance located in the east part.



96

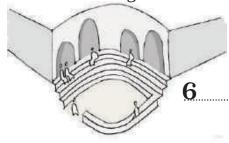
97

Figure 59. Site Plan Source : Author

Axonometric

Distribution of the conceptual flow in the axonometric view following the liberation journey

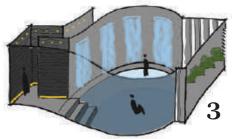
Reconnecting with Others





Meditating to Connect Body and Soul

The Power of Breath



99

98

5

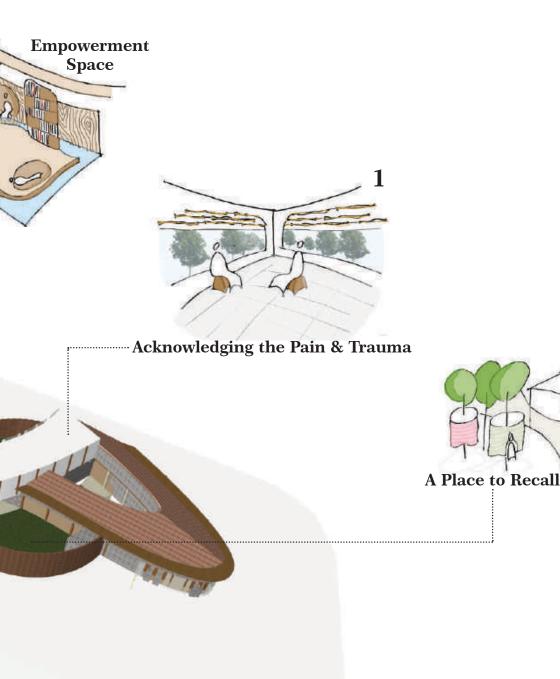
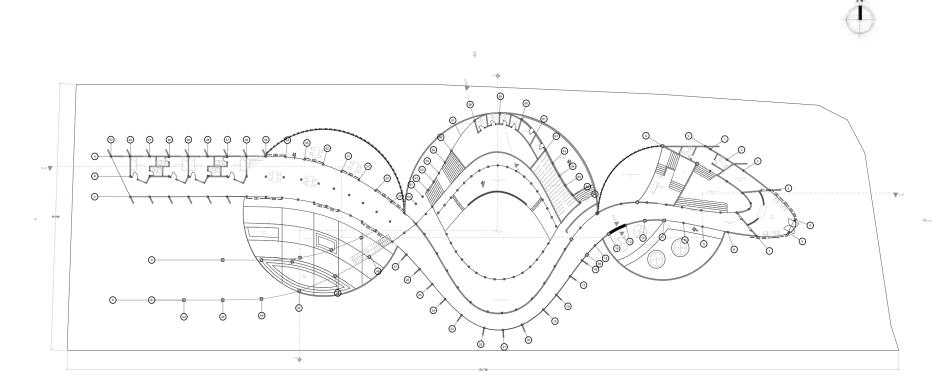


Figure 60. Axonometric Source : Author 2

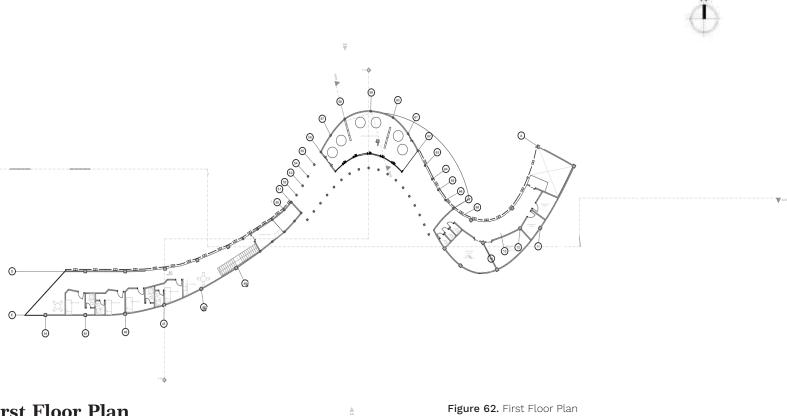


Ground Floor Plan

As in the concept, the facility is divided into three sections showed by the circles as boundaries. Spatial organization is arranged following the fluidity of the pattern. Entrance located in the east part.

Figure 61. Ground Floor Plan Source : Author, 2022

N



First Floor Plan

ry level.

In the first floor, the three facilities have its own access differentiating experiences based on the senso-

Architecture as Safe Space: Sensory Based Community Center

Source : Author, 2022

Elevation

Section



Figure 63. West Elevation Source : Author, 2022

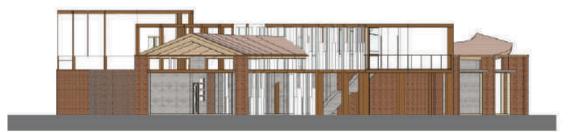
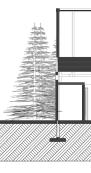


Figure 64. East Elevation Source : Author, 2022



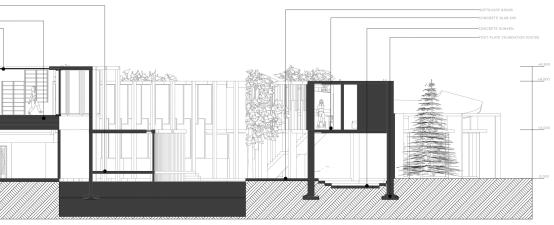
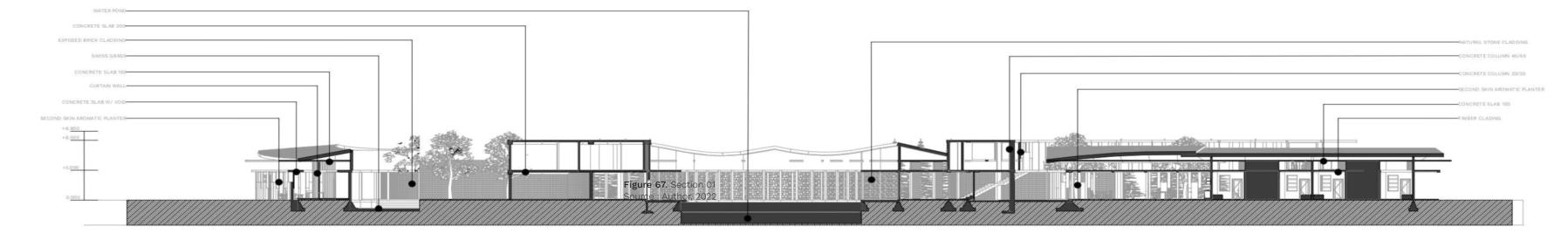


Figure 66. Section 01 Source : Author, 2022

Section



105

Figure 67. Section 02 Source : Author, 2022 Elevation



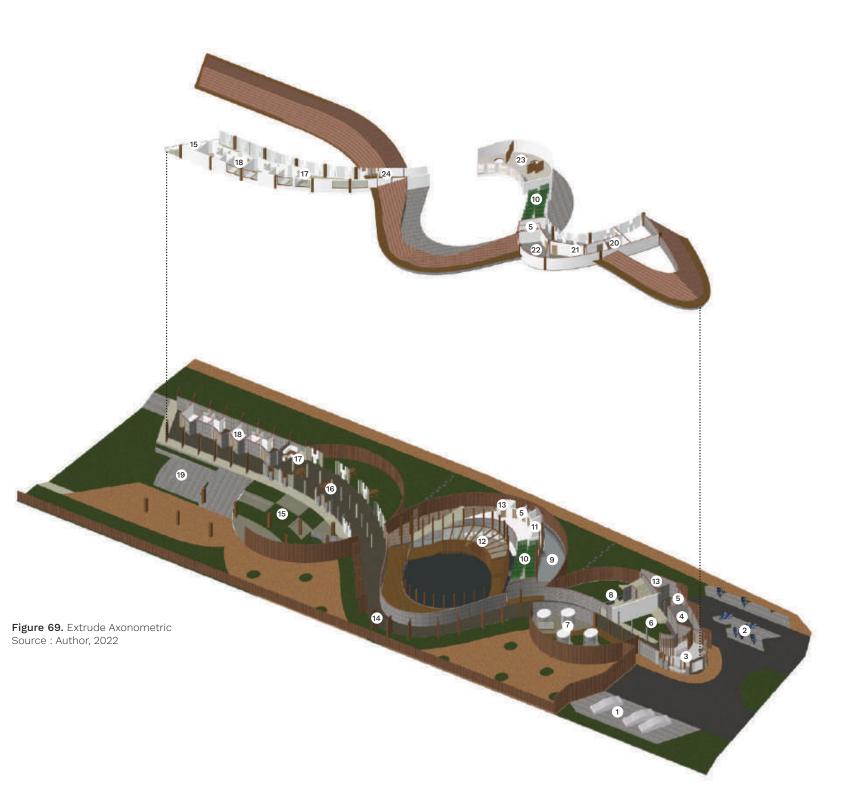


Figure 65. South Elevation Source : Author, 2022

Figure 66. North Elevation Source : Author, 2022

Interior Axonometric

Based on the concept of Liberation Journey, the space is translated into more specific function. A spiritual aspect embodies a meditation place like being on a bridge. The idea of psychological support comes into the smell pods as place to recall and also consultation place. An inner courtyard with combination of hardscape and softscape as well as shaded non-shaded area with sunken seating tries to facilitate a social space.



- 1 Car Parking
- 2 Motorcycle Parking
- 3 Lobby & Information Center
- 4 Office
- 5 Toilet
- 6 Inner Court
- 7 Smell Pods to Recall
- 8 Waiting Area
- 9 Bathing
- 10 Aroma Garden
- 11 Shower
- 12 Meditation Place
- 13
- 14 Contemplation Corridor
- 15 Social Space
- 16 Dining Area
- 17 Kitchen
- 18 Dorm Room
- 19 River Front
- 20 Medical Service Unit
- 21 Screening Room
- 22 Psychological Clinic
- 23 Empowerment Place
- 24 Laundry

Welcoming Lobby Low Sensory Zone



Figure 70. Lobby Source : Author, 2022

Serene Waiting Area Low Sensory Zone



Figure 71. Waiting Area Source : Author, 2022

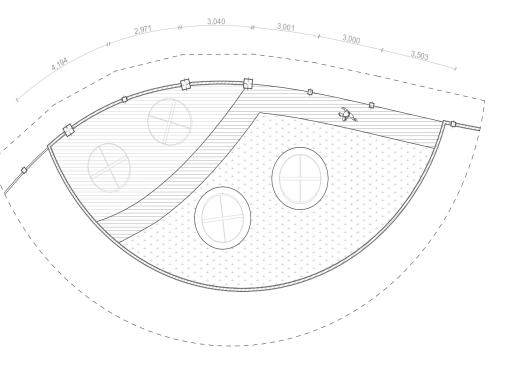
Screening Room

Low Sensory Zone

Distribution of the conceptual flow in the axonometric view following the liberation journey



113

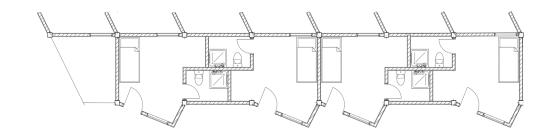


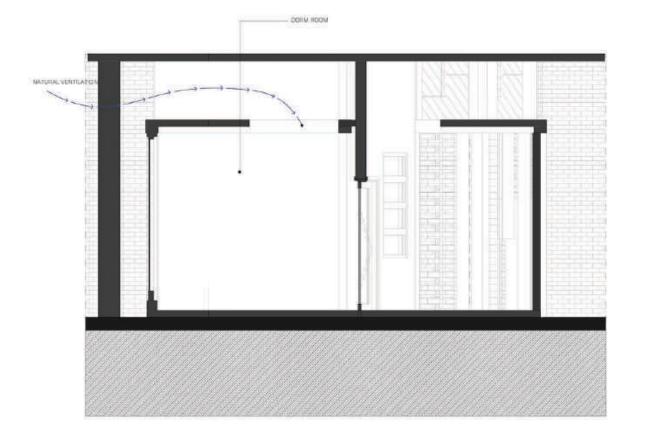


Architecture as Safe Space: Sensory Based Community Center

Dorm Room Mid Sensory Zone

One person each room with toilet, the dorm room is organized to increase privacy by tilting wall orientation for where the door is placed. It is equipped with ceilings that allows air and light to penetrate the room.



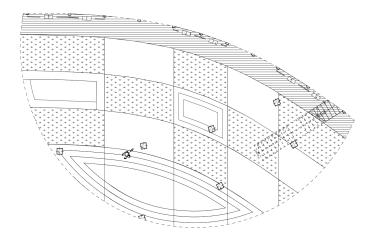


Social Space Mid Sensory Zone

A shaded space with combination of softscape and hardscape creates comfortable social place with sitting arrangement varies, small and large group.



115



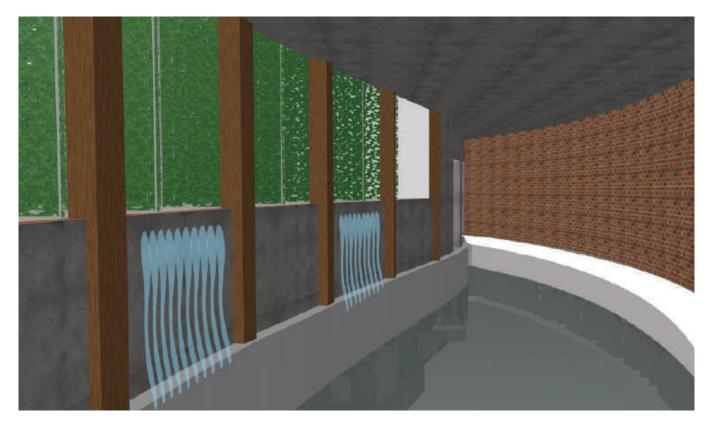
Meditation Space High Sensory Zone

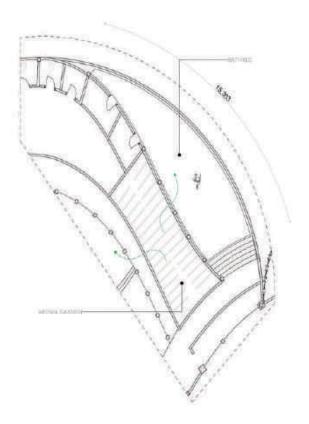
A wooden deck pergola floating above a water pond, the meditation space induce olfaction from aromagarden, visual from its surroundings, and auditory flom water flow.



Place to Breath High Sensory Zone

Privacy is achieved by lowering the elevation from ground level. Olfaction experience comes from the aromatic garden.





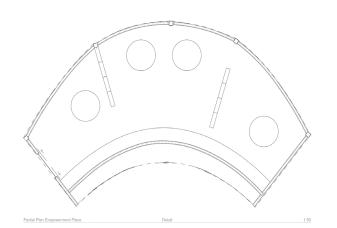
Architecture as Safe Space: Sensory Based Community Center

Empowerment Space

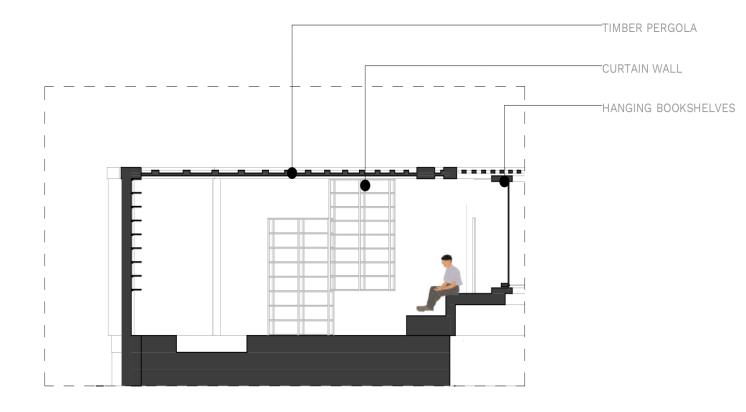
High Sensory Zone

Contemplation Corridor

Mid Sensory Zone



The empowerment facility is where the user could explore knowledge in a space with sufficient natural iighting and view towards water pond and aromatic garden. A hanging bookshelves and circular is the strategy to evokes their interest into this facilty.





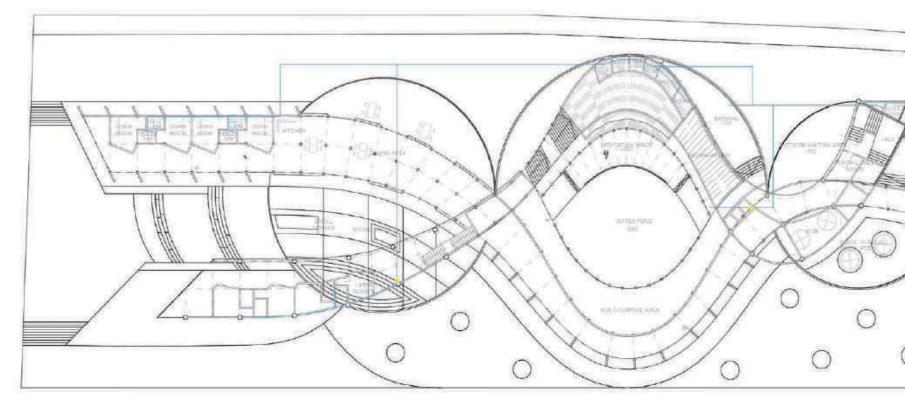
The contemplation corridor embodies a demarcated space for certain activity and here the activity is moving from the low to mid sensory. This corridor leads the path to dorm facility so that it does not disturb privacy on empowerment facility.



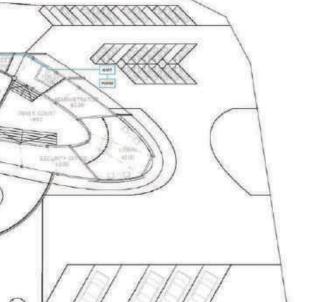
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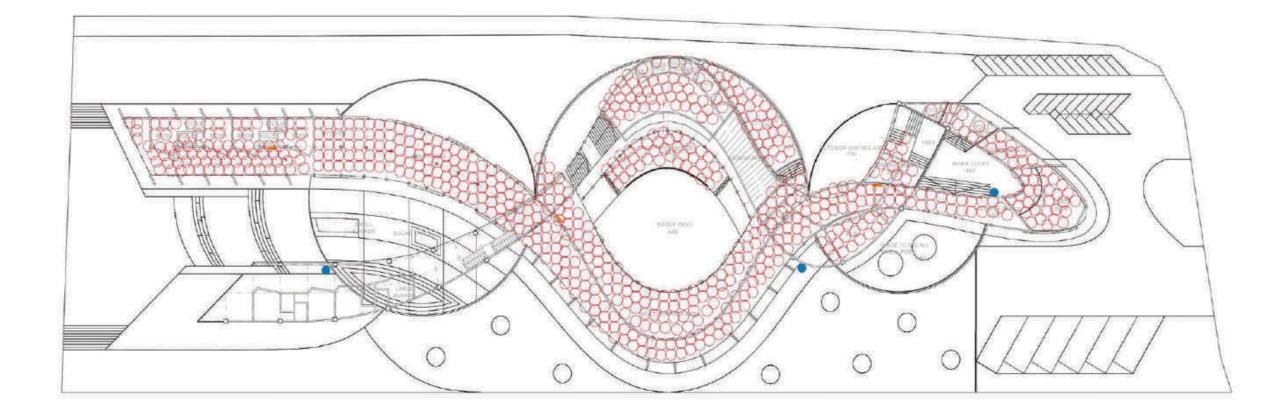
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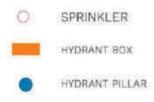




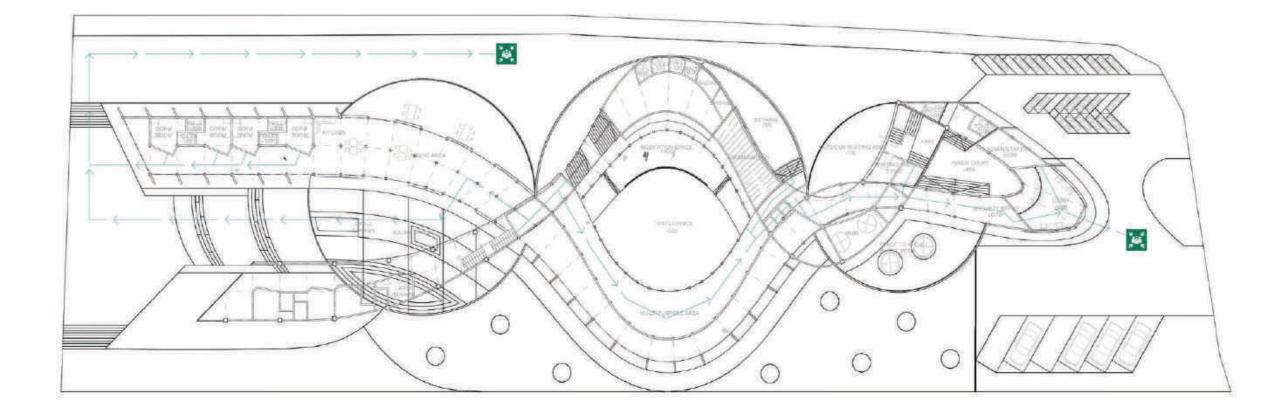




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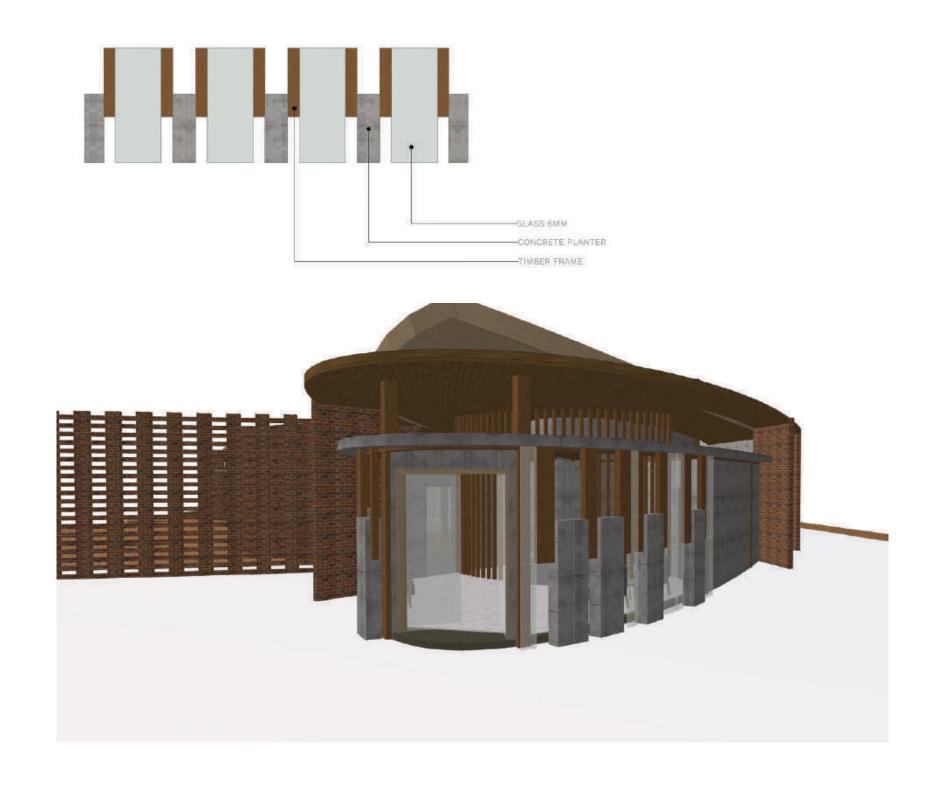


ASSEMBLY POINT

EVACUATION ROUTE



Building Envelope





Architecture as Safe Space: Sensory Based Community Center





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Architecture as Safe Space: Sensory Based Community Center





Architecture as Safe Space: Sensory Based Community Center

Design Evaluation

- Marthan

Summary of Juror & Supervisor Review

the second



Design Evaluation

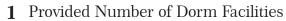
Review Summary

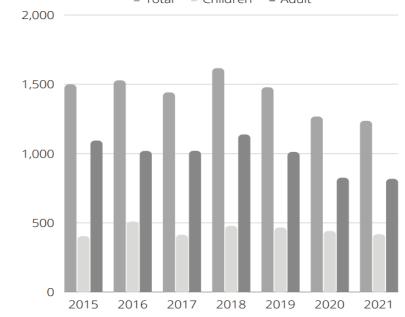
The design evaluation is intended to offer a further exploration and better design results. There are several points added by the juror and supervisor that need to be added including;

1 Provided number of dorm facilities for victims

 $\mathbf{2}$ Availability of side doors in relation to safety issue

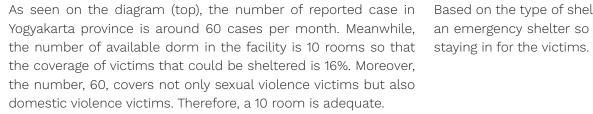
3 Argumentation of central water pond triggers suicidal thoughts

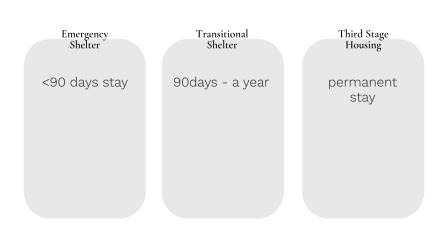




domestic violence victims. Therefore, a 10 room is adequate.

Total Children Adult





As seen on the diagram (top), the number of reported case in Based on the type of shelter above, this facility is chategorized as Yogyakarta province is around 60 cases per month. Meanwhile, an emergency shelter so that it only covers less than 90 days of

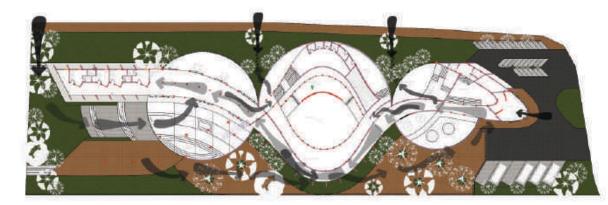
2 Availability of Side Doors in Relation in Relation to Safety Issue

Circulation Before



Having only two entrance, one main entrace on east part for all types of user and side entrance on west part for victim's families or guardians. Circulation is linear as seen on the arrows. Main circulation is the lightest grey.

Circulation After



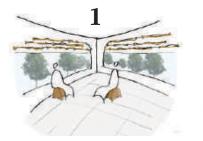
By adding side doors to each of the zone of facility, it aims to encourage more safety for the main user. These side doors could be an alternative for supporting user such as technicians, staffs, etc. In term of mitigation, added side doors help to give shortcut to reach the assembly point.

${f 3}$ Argumentation of Central Water Pond Triggers Suicidal Thoughts

Suicide is a complex and multidimensional phenomenon stemming from the interaction of several factors. (Gvion & Apter, 2012) According to the National Institute of Mental Health, risk factors include mental disorders (particularly depression and substance abuse); a prior suicide attempt; a family history of mental disorder, substance abuse, suicide, violence, or physical/sexual abuse; guns or firearms in the home; incarceration; and being exposed to others' suicidal behaviors (NIMH, 2015). Following the risk factors comes the survivor's warning sign, threatening or talking about killing oneself; suicidal ideation; hopelessness; rage or anger; reckless behavior; imprisoned feelings; increased drug abuse; social withdrawal; worry, restlessness, or sleep issues; extreme mood fluctuations; loss of purpose in life.

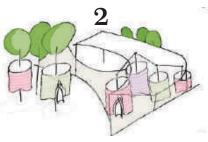
People who can communicate their problems with family, friends, or others benefit in a various ways. As a result, communication issues are a significant factor affecting suicidal behavior in general, and lethal suicide attempts in particular. Others may utilize suicidal behavior as a form of communicating.

A Liberation Journey



Acknowledging the Pain & Trauma

On the first two stage of A Liberation Journey concept, it encourages the victims to open up since by opening up, they try to transfer or communicte their difficulties. Moreover, they are also stimulated by sensorial experience to feel certain emotion such as calm and focused.



A Place to Recall

Mental Disorder	Number of Architecture-Rested Studies That Tools in Consideration This Mercal Disorder	Architectorial Aspects Writen Were assessed in These Studies	References
Neurodevelopmental disorders	7.7	ANE MARKET AND A STREET AND A ST	N/A/M/2008/A/5/5150520
Intellectual disability	A.	Light and the second	(Gambing & Explor, 2003)
Global developmental datar	0	NUA	NA
Communication disorders	0	NUA	NIA
Autom spectrum disorder		Speer, Ight, visual support, wellowy support, and wisher-mental skewenit such as electrical devices and bethroom fittings	(Barnet & Farioresch: 2019), (Plarin, 2016), (Viaquet & Tarres, 2013), (Plarin, 2016), 2014), (Kinser et al. 2016), (Riskeptio & Code, 2017), (PlaAlater & Plagsire, 2012), (Arror & Biocoschy, 2016), and (Chine & Hulles, 2008, 2009).
Spolar and related dependent	# C	Lars	(Benedatti et al., 2008)
Arcticity disorders	2	Space stud appect, advery appert, and environmental demants such as number of windows and doors, noon kyout, and blind words	(Chanada at al., 2016) and (Wetta at al., 2016)
Screenser-related depicture	12	Space. (ght, visual support, authory support, and environmental elements such as named of windows and does a more layout, and blind spots	(Ghierib et al., 2026), (Nacemail: et al., 2020), (Khumade et al., 2018), (Lirich et al., 2010), (Burris, 2015), (Wagerfeld et al., 2011), and (Connettin et al., 2013).
Dissociative disordars	0	NIA	NIA
Somatic symptom and related disorders		NUA.	NiA
Peeding and eating disorders	19 2	NIA	NA
Seep-wake disorders	0	NIA	NIA
Disruptive, impulse control, and conduct disorders	۰	NUA.	NIA
Depressive disorders	3	Light and tary support	(All of al., 2020) and (Stantovo & Rychitarikova 2015, 2014)

Architectural design features including windows, entrances and exits, walkways and hallways, open space, defensible space, and green space; interior design features including furnishings and color; and ambient features including light, air quality, and noise levels were identified as most influential design features.

Certain indoor and outdoor design elements such as sharp corners, narrow pathways, blind spots, etc. increase anxiety and leads to triggers while soothing features (e.g. open spaces, situational awareness providing features such as lack of clutter or open floor plans) can relax users.

In terms of security/privacy, the importance of demarcated spaces for particular activities and extra space provided where possible. Meanwhile, lights, the importance of light for controlling the circadian system thus reducing depression, agitation, sleep, eating patterns and also easing pain in some instances. Significant diferences were found between natural and artificial lighting including for both staff and patients, for example, a lack of natural lighting can cause seasonal affective disorder (SAD), changes to hormonal body rhythms, glare and licker, work disruptions, increased staf stress, and decreased staf satisfaction

The impact of architecture on mental health outcomes is that architecture can enrich the environment with complexity, order, and aesthetic considerations ofering perceptual cues to assist and avoid confusion. Access to nature and sensory/salutogenic considerations (Golembiewski, 2010)

3 Argumentation of Central Water Pond Triggers Suicidal Thoughts *Lessons from the Vessel*

3 Argumentation of Central Water Pond Triggers Suicidal Thoughts

Circulation Before



Suicidal thoughts among young people are typically impulsive and preventable, according to researcher Charlotta Thodelius in her PhD thesis on suicidal scenarios in outdoor public areas. While some studies demonstrate that installing barriers simply leads suicidal persons elsewhere, it has also been shown that installing barriers saves more lives, particularly among children and young adults who act on impulse. It is critical to find out how to create barriers without instilling fear or negative feelings. When addressing prevention and security, the framework idea is that it needs to be a harsh design, such as rough steel fences, but the most difficult issue is to maintain the usual functions of areas for everyday activities undisturbed while also avoiding suicidal occurrences.

People around the world, especially in urban environments, are feeling increasingly isolated and disconnected. Therefore, places should be built that slow the development of depression, anxiety, and other mental illnesses by designing for face-to-face interactions and increased mobility.



A response to the possibility of triggering a suicidal thought, it corporates the olfaction ex-"ploration by creating a place to place an offerings (like in balinese tradition, canang sari)



Dengan ini. Nama

Nomor Mah Pembimbin Fakultas / P Judul Karya

Attachment

Plagiarism Check Architectural Presentation Board References Technical Drawing

Direktorat Perpustakaan Universitas Islam Indonesia Gedung Moh. Hatta JI. Kaliurang Km 14,5 Yogyakarta 55584 T. (0274) 898444 ext.2301 F. (0274) 898444 psw.2091 E. perpustakaan@uii.ac.id W. library.uii.ac.id

SURAT KETERANGAN HASIL CEK PLAGIASI

Nomor: 1867103569/Perpus./10/Dir.Perpus/IV/2022

Bismillaahirrahmaanirrahiim

Assalamualaikum Wr. Wb.

i, meneran	gkan Bahwa:
	: Nadya Agyanata
hasiswa	: 18512176
ng	: DrIng. Putu Ayu Pramanasari Agustiananda, S.T., M.A.
Prodi	; Teknik Sipil dan Perencanaan/ Arsitektur
a Ilmiah	: Architecture as Safe Space. Sensory Based Community Center for
	Victims of Domestic and Sexual Violence in Yogyakarta

Karya ilmiah yang bersangkutan di atas telah melalui proses cek plagiasi menggunakan Turnitin dengan hasil kemiripan (similarity) sebesar 16 (Enam Belas) %.

Demikian Surat Keterangan ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Wassalamualaikum Wr. Wb.



Joko S. Prianto, SIP., M Hum

SENSORY-BASED COMMUNITY CENTER

for Victims of Sexual Violence in Yogyakarta

Many cases of women being sexually harassed lead to the freiing of mentary and shumarin Maneyer, not only are these type of crime postibly.



P XIELITECTURS 18512176 Nadys Agyanata Supervisor Di-Ing Putu Ayu P. Agustiananda, S.T., MA.

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Diving into Violence wr Pain and Trauma





SHOWER TOILET with trapped themeter and gerthalt day set worth and days Report of 2

Received Sensory-Hased Community Center HS12116 Biolevicer District Programme ST, MArchine Ph.D., Marchine Physics Physics Structure ST, MArchine Ph.D., Marchine Physics Physics Structure ST, MArchine Ph.D., Marchine Physics Structure ST, MArchine Ph.D., Marchine Physics Structure ST, MArchine ST, MArchine Physics Structure ST, MArchine ST, MArc

Architecture as Safe Space: Sensory Based Community Center

SECURITY ADMINES TOILET

1

PARKING

SHOWER TOILET LAUNDRY

ROOM

KITCHEN

NECRMATION WAITING SCREENING

CONTEMPLATION SOCIAL

Site Context

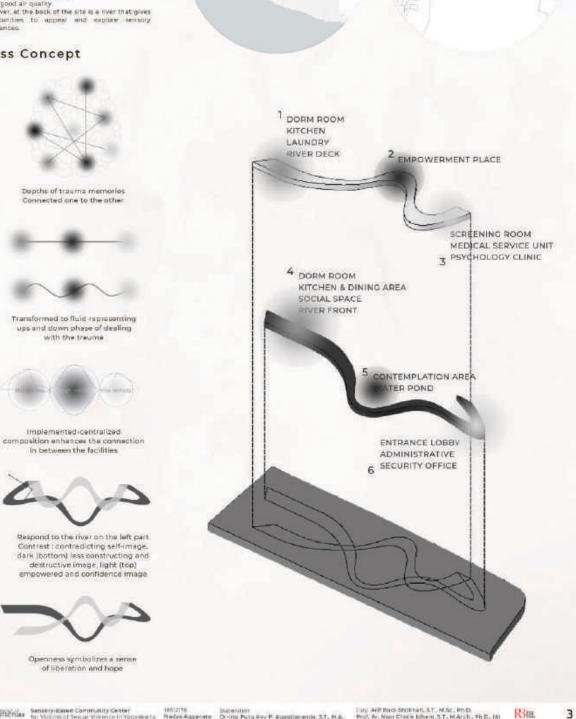
Rotu Patran Sindradi Key, Mlati Kaluganes Mentar Daoah burress Vogeskarts

The site possesses soveral aspects giving strangth to the facilities to achieve selety and tranquility with sensorial quality; 1. Could be accessed through multiple entrances

2. Has transpul quality, sectoded but still a messible 5. Nearby hospital within a radius of less than 5 km 4. Has vegetation inventory # Has good air quality. Moreover, at the back of the site is a river that gives

opportunities to appeal and explore sensory experiences.

Mass Concept



Recult Provider And Provider Description of Section Str. M.Sc. Phys. Rev. B 101 March 2010 Programme Str. M.Sc. Phys. Rev. B 2010 Provider and Str. M.Sc. Phys. B 201



/ Acknowledging the Pain & Traumo / In order to be able to heat one should acknowledge or start deal ing with the pain of their trauma. The colmness and purity of nal tare helps the victims to feel at prace. Here, the vision stimuli plays an important role to capture the nature's character.

color palete for interior

out sense of comfort.



A haptic experience by incorporating tactile from a rough material, different elevation, and temperature from cross ventilation also water feature is presented to develop nearness and intimecy feel ing so that bodily senses. could be appealed and the minit could focus on oneself.

Surronded by water pond, the sound of water slowly flowing beneath the space enhance colmness

aroma-garden

P ARELIPTETURS

A Liberation Journey

Drawing the aye to outlook the view of eye-level tree branches by using pale

Flooring texture allowing user to feel the breeze of natural stone that could bring



A Place to Recall /

To fully deliver the victims' story is impossible doing it on one session. Therefore, a place to recall is to give a safe space through mainly offaction stimuli by creating pole. of small that what is trying to highlight here is the different preferences or perceptions of small puight. In The pode they can write or paint their story in other words it allows them to have time and space for them serves.

- Pods of smell are curated through layers of vertical elements infused with characterized smell hanged in a circular metal rings
- Solid and void space experienced presented by placement of pods and sheltered-unsheltered space



/ The Power of Breath /

hing could be one of the activity to practice breathing. The hot water stimulation could enhance the feeling of warm and calm. By practicing body mindfulness, it means to release the trauma stressor and accept the feeling as it

- Water temperature stumulation and material roughness from natural stone
- Vertical water splash running down on the rough texture of stones.
- Warmth light ambiance directed to natural stones showing texture of natural stone



Catching mild difaction experienced from

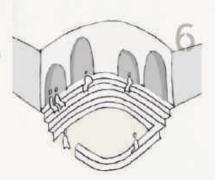
Natural lights coming through patterned facade creating shadows for the interior



A healing journey does not define as one way journey but Haptic experience by incorporating tactile from rough active vertices of minaculous emiligitment that is leveled up. An empow erment space is intended to be a stimulation of creativity, knowl edge making and productive teractions.

intricate timber texture represented on the vertical elements with a twist of cavity

Penetration of natural lights surrounding the space above the timber texture as one of the function is a place to learn



material, different elevation, and temperature from cross ventiliation also water feature is presented to develop nearness and intimacy feel ing so that bodily senses could be appealed and the mind could focus on eneself.

- The sunken concept create zones of smell encourage deeper bondings
- Circulated terraced concrete aims to create closure
- Different roughness level of concrete presented to the space and the temperature level created by sunken

18512176 Nadys Aquanata

Supervisor Di-Ing Putu Ayu P. Agustiananda, S.T., MA.

Conceptual Implementation



Essed on the soncest of Liberation Journey, the space is translated into more specific function. A spiritual aspect ombodies a meditation place like being on a stridge. The ormoscies a measation pisce like being on a criege line idea of appchological sosport comes into the simel pode as place to recall and also consultation place. An initiar courty and with compliants in of handscape and softscape as well as shared non-shaded area with survive secting (neu to fuditate special space.

As an acknowledging the pain comment, sensatial Envery is achieved by lowering the elevation from coperience that is explored here of your from the



aromatic garden.

A Their Sole & me propert Vant A shaded space with combination of softwape and hardscape creates comfortable social place with sitting arrangement varies, small and large group.







5





/ Multi-Sensory Convolor /

Recurrence Sensory-Hased Community Center 1851/7/6 Biogrammer Deling Public Ayu P. Agustister and B.T. M.S. Phil. Public Actin. Ph.D. Ial Rec. 6



A wooden deck pergola Reating above a water pand, the meditation space induce offaction from acomeganities, visual from its surroundings, and autitory from water



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Thesis Project Final Architectural Design Studio 2022

Consultation Facility



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Empowerment Facility







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(Antima Gambin & Path to Bathing /



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Dorm & Its Facilities



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