

ATTACHMENT

ATTACHMENT 1 : SPACE REQUIREMENT

NO	ROOM	USERS	FURNITURE	CHARACTERISTIC	LIGHTING	AIR	ACCOUSTIC	SAFETY	HEALTH
1.	Bedroom	Refugees	<ul style="list-style-type: none"> • Bed • Nightstand • Wardrobe 	Private	The activities in this room require a maximum natural lighting but closed to maintain privacy and using an artificial lighting	The activities in this room require a maximum natural air conditioning and supported by an artificial air conditioning	The activity in the room needs to be calm to support the main activities on the room	The Activities inside cannot cause fires and also do not require strict supervision	The activities require a normal humidity and pollution free
2.	Dining Room	Refugees	<ul style="list-style-type: none"> • Chair • Table • Cabinet 	Semi Public	The activities in this room require a maximum natural lighting and using an artificial lighting	The activities in this room require a maximum natural air conditioning and supported by an artificial air conditioning	The activities inside the room does not need calm in acoustics so it only need normal acoustics	The Activities inside cannot cause fires and also do not require strict supervision	The activities require a normal humidity and pollution free

NO	ROOM	USERS	FURNITURE	CHARACTERISTIC	LIGHTING	AIR	ACCOUSTIC	SAFETY	HEALTH
3.	Kitchen	Refugees	<ul style="list-style-type: none"> • Stove • Refrigerator • Cabinet 	Semi Public	The activities in this room require a natural lighting and using an artificial lighting	The activities in this room require a good air circulation that can achieve with using a natural air conditioning	The activities inside the room does not need calm in acoustics so it only need normal acoustics	The Activities inside can cause fires and also do not require supervision	The activities require a normal humidity and pollution free
4.	Bathroom	Refugees	<ul style="list-style-type: none"> • Shower • Closet • Sink 	Private	The activities in this room require a fully enclosed room; it can achieve with using only an artificial lighting	The activities in this room require a good air circulation that can achieve with using a natural air conditioning	The activities inside the room does not need calm in acoustics so it only need normal acoustics	The Activities inside cannot cause fires and also do not require strict supervision	The activities require a normal humidity and pollution free
5.	Office	<ul style="list-style-type: none"> • Staff • Guardian 	<ul style="list-style-type: none"> • Chair • Table 	Semi Public	The activities in this room require a maximum natural lighting and using an artificial lighting	The activities in this room require a maximum natural air conditioning and supported by an artificial	The activities inside the room does not need calm in acoustics so it only need normal acoustics	The Activities inside cannot cause fires and also need strict supervision	The activities require a normal humidity and pollution free

NO	ROOM	USERS	FURNITURE	CHARACTERISTIC	LIGHTING	AIR	ACCOUSTIC	SAFETY	HEALTH
						air conditioning			
6.	Meeting Room	<ul style="list-style-type: none"> • Staff • Guardian • Teacher • Doctor 	<ul style="list-style-type: none"> • Chair • Table 	Private	The activities in this room require a natural lighting that closed; so it cannot disturb the activities inside and using an artificial lighting	The activities in this room require a maximum natural air conditioning and supported by an artificial air conditioning	The activity in the room needs to be calm to support the main activities on the room	The Activities inside cannot cause fires and also need strict supervision	The activities require a normal humidity and pollution free
7.	Classroom	<ul style="list-style-type: none"> • Teacher • Refugees 	<ul style="list-style-type: none"> • Chair • Table • Board 	Private	The activities in this room require a natural lighting that closed; so it cannot disturb the activities inside and using an artificial lighting	The activities in this room require a maximum natural air conditioning and supported by an artificial air conditioning	The activity in the room needs to be calm to support the main activities on the room	The Activities inside cannot cause fires and also need strict supervision	The activities require a normal humidity and pollution free

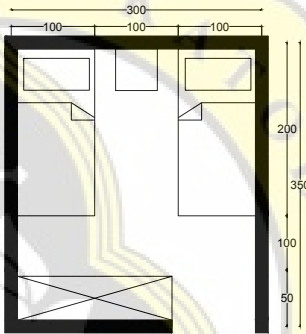
NO	ROOM	USERS	FURNITURE	CHARACTERISTIC	LIGHTING	AIR	ACCOUSTIC	SAFETY	HEALTH
8.	Exam Room	<ul style="list-style-type: none"> • Doctor • Nurses • Refugees 	<ul style="list-style-type: none"> • Exam table • Chair • Cabinet 	Private	The activities in this room require a maximum natural lighting and using an artificial lighting	The activities in this room require a maximum natural air conditioning and supported by an artificial air conditioning	The activity in the room needs to be calm to support the main activities on the room	The Activities inside cannot cause fires and also do not need supervision	The activities require a normal humidity and pollution free
9.	Nurse Station	<ul style="list-style-type: none"> • Nurses • Refugees 	<ul style="list-style-type: none"> • Table • Chair • Cabinet 	Public	The activities in this room require a maximum natural lighting and using an artificial lighting	The activities in this room require a maximum natural air conditioning and supported by an artificial air conditioning	The activities inside the room does not need calm in acoustics so it only need normal acoustics	The Activities inside cannot cause fires and also need strict supervision	The activities require a normal humidity and pollution free
10.	Storage Room	<ul style="list-style-type: none"> • Nurses 	Shelf	Service	The activities in this room require a fully enclosed room; it can achieve with using	The activities in this room require a good air circulation that can achieve with	The activities inside the room does not need calm in acoustics so it only need	The Activities inside cannot cause fires and also need supervision	The activities require a normal humidity and

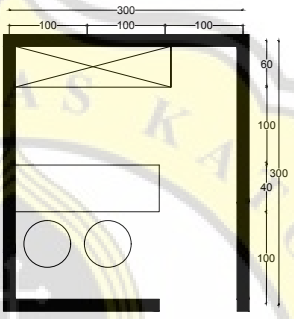
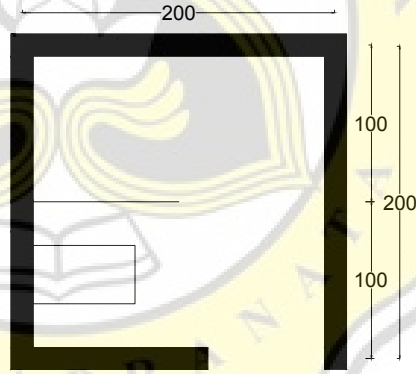
NO	ROOM	USERS	FURNITURE	CHARACTERISTIC	LIGHTING	AIR	ACCOUSTIC	SAFETY	HEALTH
					only an artificial lighting	using a natural air conditioning	normal acoustics		pollution free
11.	Lobby	<ul style="list-style-type: none"> • Refugees • Official • Service • Guest 	<ul style="list-style-type: none"> • Table • Chair • Couch 	Public	The activities in this room require a maximum natural lighting and using an artificial lighting	The activities in this room require a maximum natural air conditioning and supported by an artificial air conditioning	The activities inside the room does not need calm in acoustics so it only need normal acoustics	The Activities inside cannot cause fires and also need supervision	The activities require a normal humidity and pollution free
12.	Prayer Room	<ul style="list-style-type: none"> • Refugees • Official • Service • Guest 	<ul style="list-style-type: none"> • Podium • Chair • Prayer Mat 	Private	The activities in this room require a maximum natural lighting but closed to maintain privacy and using an artificial lighting	The activities in this room require a maximum natural air conditioning and supported by an artificial air conditioning	The activity in the room needs to be calm to support the main activities on the room	The Activities inside can cause fires and also do not need supervision	The activities require a normal humidity and pollution free
13.	Playground	Refugees	Toys	Semi Public	The activities require a	The activities require a	-	The Activities inside cannot	-

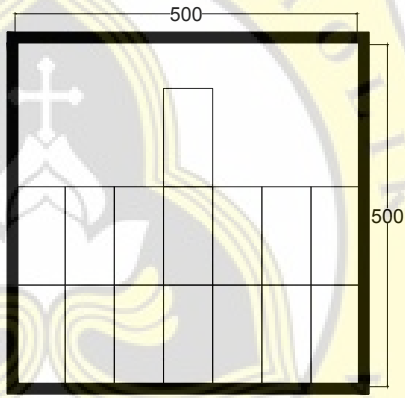
NO	ROOM	USERS	FURNITURE	CHARACTERISTIC	LIGHTING	AIR	ACCOUSTIC	SAFETY	HEALTH
					maximum natural lighting and using an artificial lighting	maximum natural air conditioning		cause fires and also need supervision	
14.	Field	Refugees	Bench	Semi Public	The activities require a maximum natural lighting and using an artificial lighting	The activities require a maximum natural air conditioning	-	The Activities inside cannot cause fires and also need supervision	-
15.	Toilet	<ul style="list-style-type: none"> • Official • Service • Guest 	<ul style="list-style-type: none"> • Closet • Urinoir • Sink 	Private	The activities in this room require a fully enclosed room; it can achieve with using only an artificial lighting	The activities in this room require a good air circulation that can achieve with using a natural air conditioning	The activities inside the room does not need calm in acoustics so it only need normal acoustics	The Activities inside cannot cause fires and also do not need supervision	The activities require a normal humidity and pollution free
16.	Laundry	Refugees	<ul style="list-style-type: none"> • Washing Machine • Shelf 	Service	The activities in this room require a fully enclosed room; it can achieve	The activities in this room require a good air circulation that can	The activities inside the room does not need calm in acoustics so it	The Activities inside cannot cause fires and also need supervision	The activities require a normal humidity

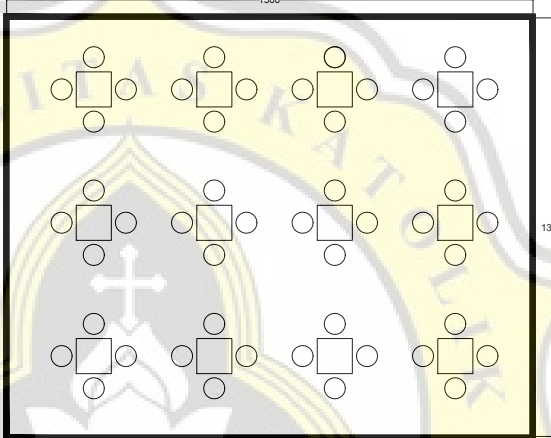
NO	ROOM	USERS	FURNITURE	CHARACTERISTIC	LIGHTING	AIR	ACCOUSTIC	SAFETY	HEALTH
					with using only an artificial lighting	achieve with using a natural air conditioning	only need normal acoustics		and pollution free
17.	Security Room	Security	<ul style="list-style-type: none"> • Table • Chair 	Private	The activities in this room require a natural lighting and using an artificial lighting	The activities in this room require a maximum natural air conditioning and supported by an artificial air conditioning	The activities inside the room does not need calm in acoustics so it only need normal acoustics	The Activities inside cannot cause fires and also need supervision	The activities require a normal humidity and pollution free
18.	Janitor	Cleaning Staff	Shelf	Private	The activities in this room require a fully enclosed room; it can achieve with using only an artificial lighting	The activities in this room require a good air circulation that can achieve with using a natural air conditioning	The activities inside the room does not need calm in acoustics so it only need normal acoustics	The Activities inside cannot cause fires and also do not need supervision	The activities require a normal humidity and pollution free

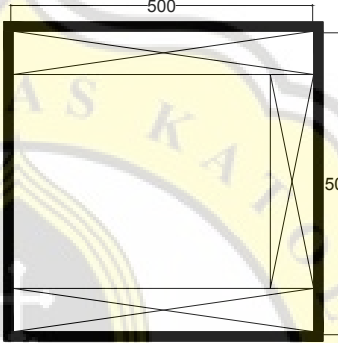
ATTACHMENT 2 : SPACE DIMENSION

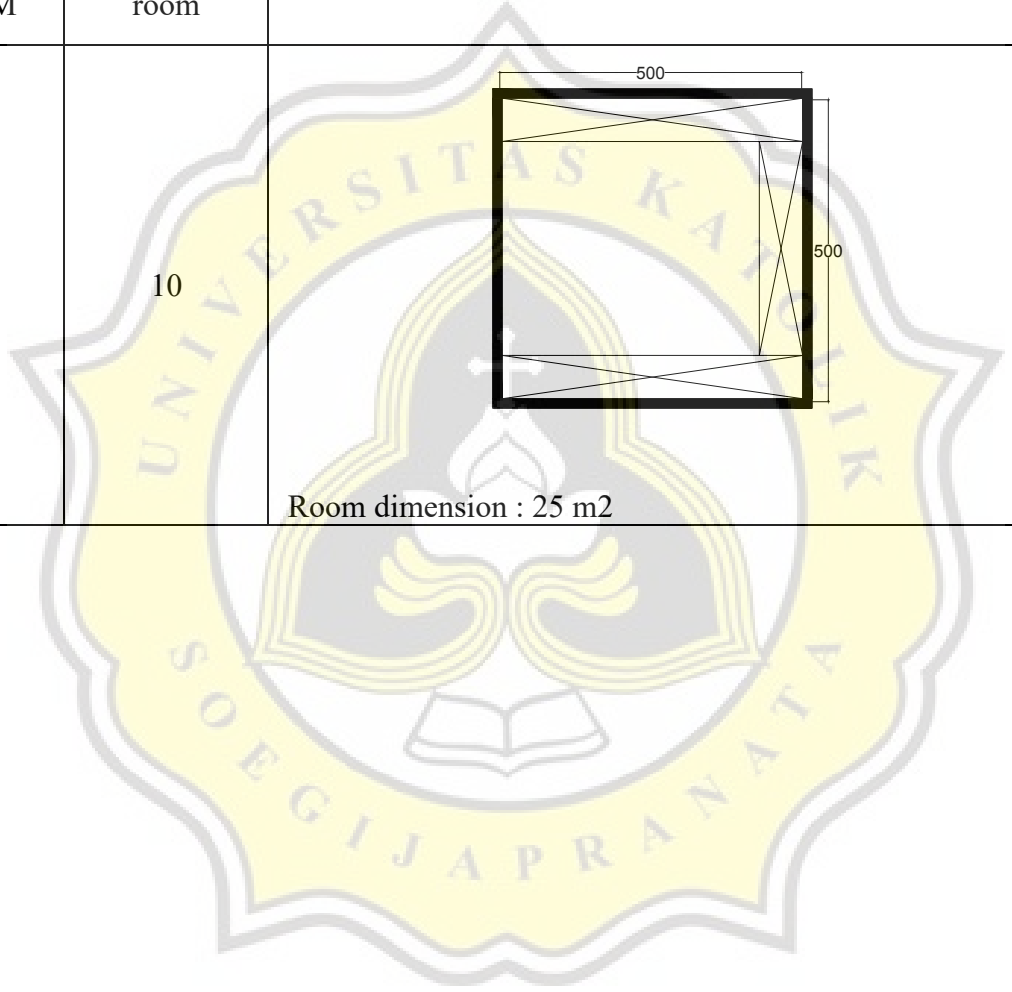
NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
HOUSING AREA						
1.	Bedroom	300	2	 <p data-bbox="902 890 1240 924">Room dimension: 10,5 m²</p>	3,150 m ²	HD +PA

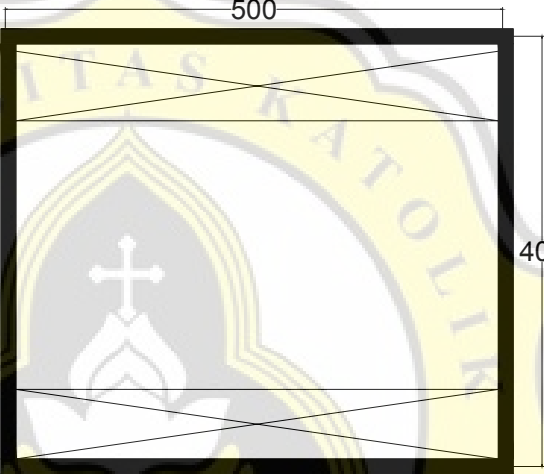
NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
2.	Kitchen and Family Area	300	2	 <p data-bbox="896 718 1209 750">Room dimension : 9 m2</p>	2,700 m ²	HD +PA
3.	Bathroom	300	1	 <p data-bbox="896 1189 1220 1220">Room Dimension : 4 m2</p>	1,200 m ²	HD +PA
TOTAL AREA					7,050 m ²	

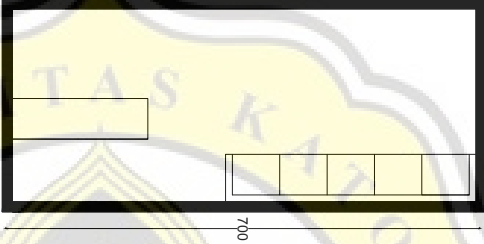
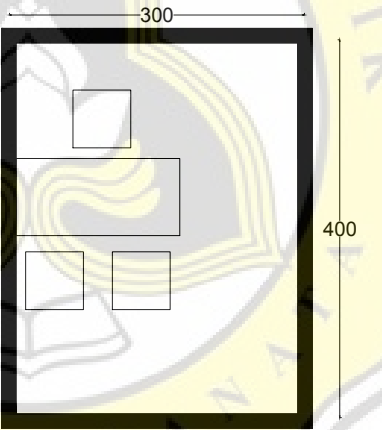
NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
COMMUNAL SPACE						
1.	Lobby	1	50	<ul style="list-style-type: none"> • Reception Space : 2m x 3m : 6m² • Person : 0.3m x 0.6m : 0.18m² : 9m² • Chair : 0.8m x 0.9m : 0.72m² : 18m² • Circulation : 100% : 33m² 	66 m ²	HD +PA
2.	Prayer Room	6	15	 <p>Room dimension : 25 m²</p>	150 m ²	HD +PA
3.	Multi-Purpose Hall	1	100	<ul style="list-style-type: none"> • Stage : 4m x 5m : 20m² • Person : 1.5m x 0.6m : 0.9m² : 90m² • Chair : 0.8m x 0.9m : 0.72m² : 72m² • Circulation : 20% : 36.4m² 	218,4 m ²	HD +PA

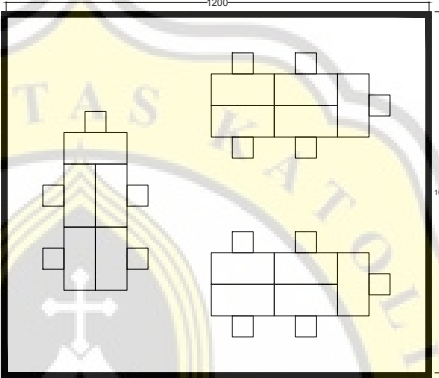
NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
4.	Dining Area	1	50	 <p data-bbox="902 898 1249 928">Room dimension : 195 m2</p>	195 m ²	HD +PA


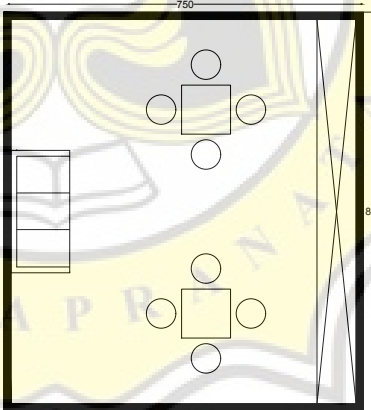
NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
5.	Kitchen Area	1	10	 <p data-bbox="902 794 1227 826">Room dimension : 25 m²</p>	25 m ²	HD +PA




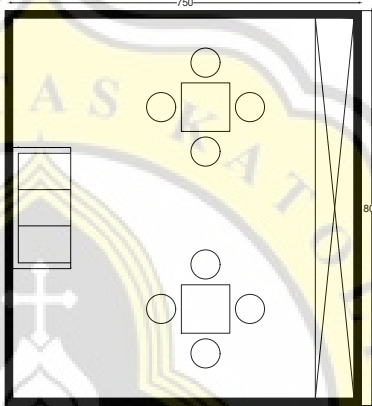
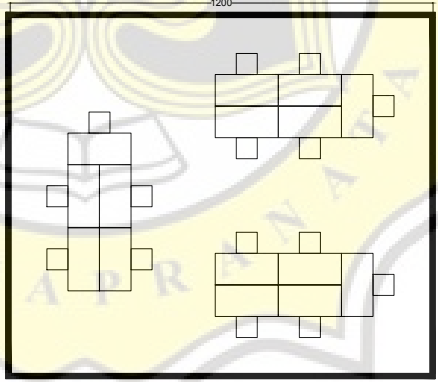
NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
6.	Laundry	1	14	 <p>Room dimension : 20 m²</p>	20 m ²	HD +PA
7.	Toilet	4	5	<ul style="list-style-type: none"> • Toilet Compartment: 1m x 1.5m : 1.5m²: 7.5m² • Sink: 0.8m x 1m : 0.8m² : 4m² • Person: 0.8m x 0.4m : 0.32m² : 1.6m² • Circulation 20%: 2.62m² 	64 m ²	HD +PA
TOTAL AREA					738,4 m ²	
OFFICE						


NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
1.	Waiting Room	1	5	 <p data-bbox="898 647 1227 679">Room dimension : 21 m²</p>	21 m ²	HD +PA
2.	Private Office or Interview Room	3	3-4	 <p data-bbox="898 1206 1227 1236">Room dimension : 12 m²</p>	36 m ²	HD +PA

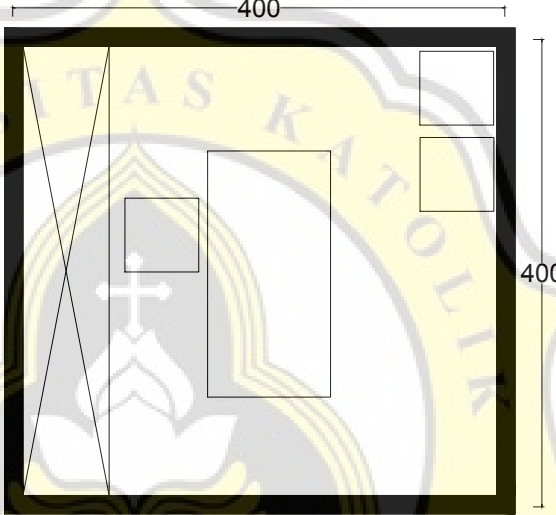
NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
3.	Communal Office	1	15	 <p data-bbox="902 831 1234 863">Room dimension: 120 m²</p>	120 m ²	HD +PA
4.	Security Room	1	3-4		44 m ²	HD +PA

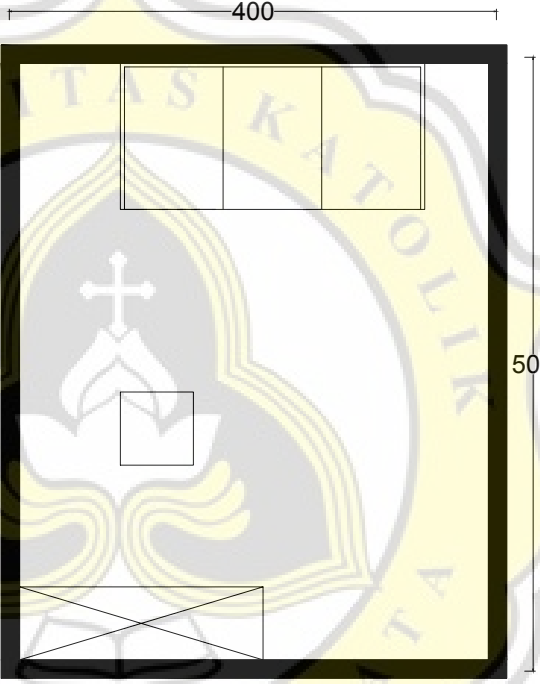
NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
			Room 44 m ²			
5.	Break Room	2	10		120 m ²	HD +PA

NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
				Room dimension: 60 m2		
TOTAL AREA					341 m ²	
LEARNING CENTER						
1.	Principal Office	1	3	 <p>Room dimension : 12 m2</p>	12 m ²	HD +PA

NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
2.	Teacher Lounge	1	10	 <p data-bbox="902 834 1227 866">Room dimension : 60 m²</p>	60 m ²	HD +PA
3.	Teacher Office	1	15		120 m ²	HD +PA

NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
				Room dimension: 120 m ² Government Standard : 2m ² /Student 1 Classroom : 2 m ² x 30 : 60 m ²		
4.	Classroom	10	30		600 m ²	Governemtt Regulation
TOTAL AREA					792 m ²	
CLINIC						
1.	Waiting room	1	5	 <p>Room Dimension: 21 m²</p>	21 m ²	HD +PA

NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
2.	Exam Room	1	3	 <p data-bbox="898 1018 1227 1050">Room Dimension: 16 m²</p>	16 m ²	HD +PA
3.	Therapy Room	1	2		20 m ²	HD +PA

NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
				 <p data-bbox="902 1129 1227 1161">Room Dimension: 20 m2</p>		
4.	Nurse station	1	2		9 m ²	HD +PA

NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
				<p>Room Dimension: 9 m²</p>		
TOTAL AREA					66 m ²	
SERVICE						
1.	Genset	1	3	50 m ²	50 m ²	PA
2.	MEP	5	2	12 m ²	60 m ²	PA
3.	Storage	5	2	9 m ²	45 m ²	PA

NO	ROOM	TOTAL OF ROOM	CAPACITY/ room	ROOM DIMENSION	TOTAL AREA	SOURCE
4.	Security	1	3	12 m ²	12 m ²	PA
6.	Janitor	2	2	9 m ²	18 m ²	PA
TOTAL AREA					185 m ²	
PARKING and OUTDOOR SPACE						
1.	Motorcycle	15	1	Motorcycle Dimension: 2,5 m x 1 m	37.5 m ²	PA
2.	Car	5	1	Car Dimension: 2 m x 5 m	50 m ²	PA
3.	Minibus	2	1	Minibus Dimension: 2,5 m x 7 m	35 m ²	PA
4.	Field	1	1	Futsal Court: 25 m x 15 m	372 m ²	PA
5.	Playground	1	1	Playground Dimension: 10 m x 15 m	150 m ²	PA
TOTAL AREA					644.5 m ²	

ATTACHMENT 3 : PROBLEM IDENTIFICATION

- Users Aspect

No	Requirements and Demands	Users Aspect		Problems
		Requirement	Potential and Obstacle	
1.	Comfort	Good lighting for communal space	Refugees chose to socialize towards each other	Space planning that maximizes sunshine
		The needs of fresh air	The site is filled with trees	Vegetation planning that can produce oxygen and reduce pollutions
		Refugees able to maintain their culture	The diversity of the refugees	Creating facilities that provide basic needs within the housing
		Refugee can practice their religion	Refugees are not allowed to exit the building unless emergency	
		Refugees get their basic needs	The restricted area and activities they can do	Provide the basic needs of the refugee
2.	Safety	Evacuation route for the housing	Safety for the diffable and kids	Create circulation that can evacuate all users in time of emergency
		Design should help first respondent to avoid riots	Different social background can create crash	Designing a strict surveillance environment that can prevent criminal activities
		Design should help first respondent to break riots		

No	Requirements and Demands	Users Aspect		Problems
		Requirement	Potential and Obstacle	
3.	Health	Refugees able to maintain their health	Refugees have a limited access to healthcare	Provide the basic needs of the refugee
		Refugees able to maintain their health	Refugee mental health is depending on the activity and longevity	Provide the basic needs of the refugee
4.	Convenience	Housing should accommodate movement for all users	The users are including diffable and kids	Create a circulation that can be accessible for all users
		Housing can give access for the users to the facility		Space planning that can give access for refugees to their basic need's facility
5.	Space Quality	Refugee can practice their religion	Religious space need to meets the religious requirement	Space planning that can fulfill refugees' diversity
		Refugees should live in a decent house	The number of refugees rising every year Humanity Aspect	Create a housing that can fulfill the needs of the refugees
6.	Shape	Building can create the image of the users	The diversity of the refugees	Create a building that can reflect the diversity of the refugees

- Site Aspect

No	requirements and demands	Site Aspect		Problems
		Requirement	Potential and Obstacle	
1.	Comfort	The needs of maximum natural lighting for room (e.g. bedroom, classroom)	The site is oriented to the south	Space planning that maximizes sunshine
		The needs of fresh air	The site is filled with trees	Vegetation planning that can produce oxygen and reduce pollutions
2.	Safety	Evacuation route for the housing	Safety for the diffable and kids	Site planning that gives access in time of emergency
3.	Health	The humidity is around 40% -70%	Humidity around 80 %	Design that can reduce humidity o the building
		Refugees able to maintain their health	The site is in a medium risk of dengue	A possible of disease transmission
4.	Convenience	Housing should accommodate movement for all users and easy access	Site is relatively flat with a rectangle shape	Create a circulation that can be accessible for all users
5.	Space dimension	Have sufficient land to accommodate activities	The site can fill the government requirement	-

- Enviromental Aspect

No	requirements and demands	Site Aspect		Problems
		Requirement	Potential and Obstacle	
1.	Comfort	The needs of maximum natural lighting for room (e.g. bedroom, classroom)	there are no high rise building around the site	Space planning that maximizes sunshine
		The needs of fresh air	The environmental around the site still green	Vegetation planning that can produce oxygen and reduce pollutions
		The needs of non-noise room for day (e.g. praying room, classroom)	The site surround with street	Space planning that responds to noises
2.	Safety	Housing should prevent Criminal	The area is surround with open area	Provide the security of the refugees and the local community
		Housing should prevent Disaster (e.g. fire, flood)	There is low disaster risk on flood and fire	Create a space planning that consider the disaster risk
3.	Health Space dimension	The housing requires a pollution free	The site surround with street	Designing housing that can reduce pollution to enters the building
		The building should avoid disease to enter building (esp. dengue fever)	The area is on medium risk on dengue	Create a design that can prevent dengue fever to grows

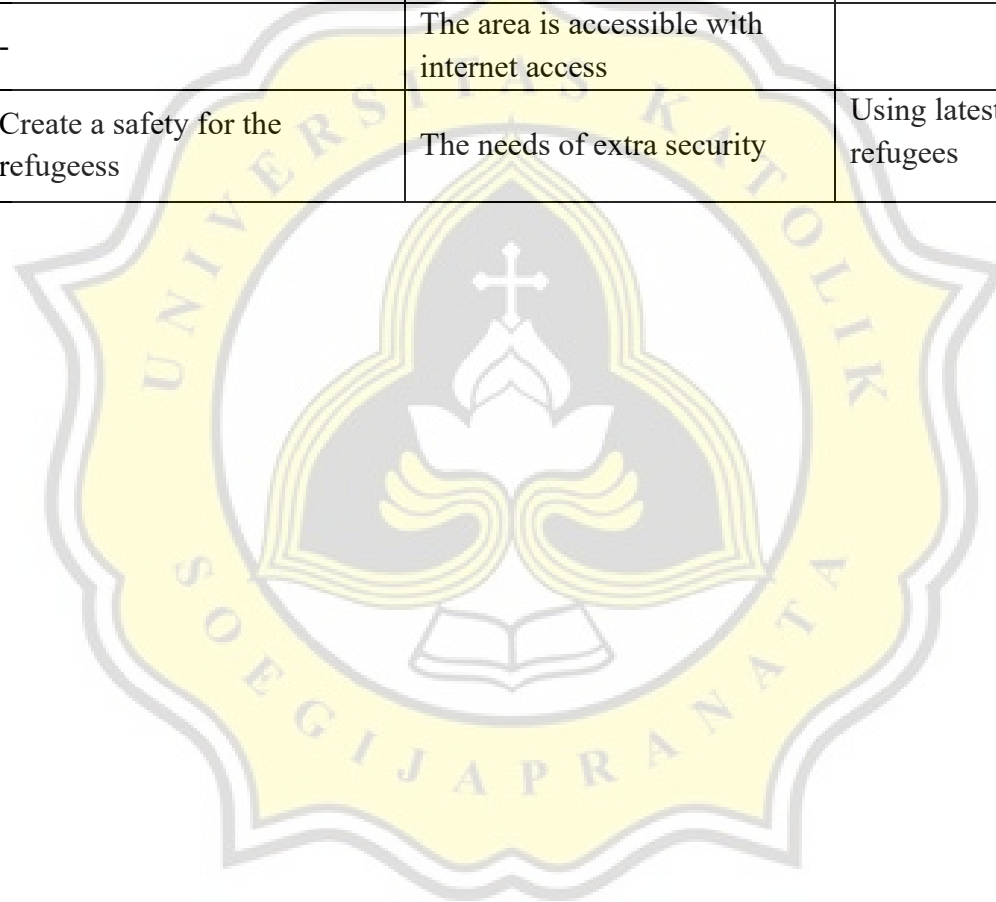
No	requirements and demands	Site Aspect		Problems
		Requirement	Potential and Obstacle	
4.	Convenience	The access to/from the site	<p>The site is accessible with public transportation</p> <p>have a streetlight and traffic light</p> <p>Have a good infrastructure</p>	Site planning that can make the building seen from outside
5.	Space Quality	-	This area is for business and housing area	-

- Society Aspect

No	requirements and demands	Society Aspect		Problems
		Requirement	Potential and Obstacle	
1.	Comfort	The building can encourage social integration	Refugees have a negative stigma from the society	-
2.	Safety	Housing should prevent Criminal action and riots	A possible crash between refugees and society	Provide the security of the refugees and the local community
			Police office is located in front of the site	

- Technology Aspect

No	requirements and demands	Technology Aspect		Problems
		Requirement	Potential and Obstacle	
1.	Comfort	-	The area is accessible with internet access	-
2.	Safety	Create a safety for the refugeess	The needs of extra security	Using latest technology to supervise refugees





1.13% PLAGIARISM
APPROXIMATELY

1.4% IN QUOTES

Report #13674283

CHAPTER I INTRODUCTION BACKGROUND Refugees have become a global crisis due to the number of refugees worldwide rising every day, with 82 million in 2020. The term refugees can be found in the 1951 Convention and the 1967 New York Protocol;

1 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

22 23 24 these documents described refugees as someone: q.1 q.2 q.3 q.4

q.5 q.6 q.7 q.8 q.9 q.10 q.11 q.12 q.13 q.14 q.15 q.16 q.17 q.18 q.19 q.20 q.21 q.22

q.23

owing

to well-founded fear of being persecuted for reasons of race, religion, nationality membership of a particular social group or political opinion, is outside the country of his nationality and is unable or, owing to such fear, is unwilling to avail himself of the protection of that country; q.1 q.2 q.3 q.4 q.5 q.6 q.7 q.8 q.9 q.10 q.11 q.24 or who, not having a nationality and being outside the country of his former habitual residence as a result of such events, is unable or, owing to such fear, is unwilling to return to it. With a total of 13,000 refugees in Indonesia, most of them are driven to flee their