

Revitalizing

PUBLIC
LIBRARY

@Port Dickson

NORLIZA JOHAN

|

ROSLINA MUDA

Revitalizing
PUEBLIC
LIBRARY
@Port Dickson

NORLIZA JOHAN | ROSLINA MUDA

First Published, November 2021

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Politeknik Port Dickson.*

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Revitalizing Public Library @ Port Dickson
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Preface

This Revitalizing Public Library book is a compilation of selected students' works for the Design 2 project (DCA3124) as a collaboration with the Negeri Sembilan Public Library Corporation Port Dickson Branch. In this design project, students are required to redesign the existing Port Dickson Public Library's spaces.

The book is not merely for the archives but is intended for future reference and inspiration not only for students but also for lecturers who deal with similar projects. It is also a tribute to those directly and indirectly involved in the project.

Acknowledgments

The authors would like to thank the 3rd Semester students (DSB352, December 2019 session) of the Unit of Architecture, Civil Engineering Department, Politeknik Port Dickson for their contribution of ideas. The authors also would like to thank fellow lecturers of DCA3124 -Design 2 for their involvement in the project.

Special thanks to Negeri Sembilan Public Library Corporation, Port Dickson Branch for the opportunity to contribute to the future development of the library.

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The Site

Port Dickson Public Library, located at Jalan Pantai in Port Dickson town was built in 2001. The site which covers about 3786 sqm is very strategic as it is close to various public amenities such as shops, bus terminal, offices, schools, hotels etc. The scenic Port Dickson waterfront is just within walking distance from the library. Despite such advantages, the building is not yet fully utilized or upgraded to be relevant to meet the expectations of users in the era of rapidly growing technology today.



Case Study

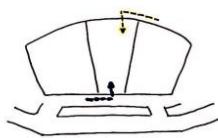
CASE STUDY RAJA TUN UDA LIBRARY

SECTION 13, SHAH ALAM, SELANGOR



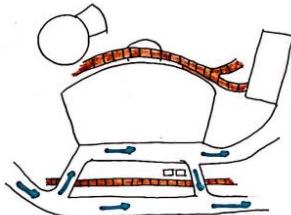
NAME : RAJA TUN UDA LIBRARY
 LOCATION : SECTION 13, SHAH ALAM
 ARCHITECT : MAJULIA SDN BHD
 DATE OPEN : 22 JULAI 2011
 AREA : 203,600 sqft (18,921.91 sqm)

ENTRANCE:



MAIN ENTRANCE
 FROM PARKING AND LAKE GARDEN

CIRCULATION:

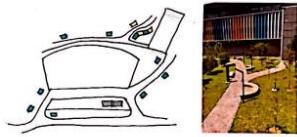


ACCESS PARKING
 PEDESTRIAN

SPACE:



STREET FURNITURE:



FIXED FURNITURE
 LAMP
 BUS STOP

NIK AIDID BAHAR
 MUHAMMAD RUSHDAN
 MUHAMMAD HAZWAN

SERVICES AREA

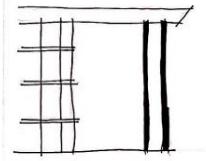


SITE PLANNING & ZONING



PARKING
 CAFETERIA
 RIVER
 MAIN ROAD
 LIBRARY

MATERIAL



CONCRETE COLUMN

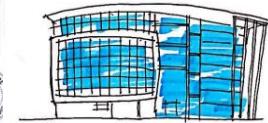


STEEL CONSTRUCTION

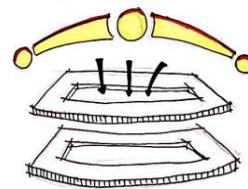
ARCHITECTURE STYLE

MODERN AERODYNAMIC

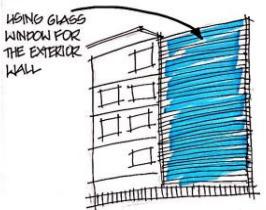
A FORM SIMILAR LIKE A AERODYNAMIC



VENTILATION



USING A NATURAL VENTILATION ON THE MAIN LIBRARY

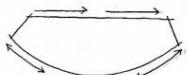


USING GLASS WINDOW FOR THE EXTERIOR WALL

LIBRARY RAJA TUN UDA, SHAH ALAM

SPACE

EACH FLOOR IS AROUND 203,600 FEET IS 921.91 METRE
 THERE IS A TOTAL OF 6 FLOOR IN THE MAIN BUILDING ITSELF



TOOK A FORM SIMILAR LIKE AERODYNAMIC WITH THE FUNCTION FOR BETTER CIRCULATION

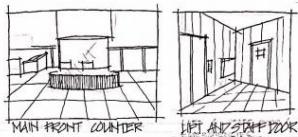
MATERIALS

THE BUILDING EXTERIOR MAINLY CONSTRUCTED WITH STEEL GLASS AND CONCRETE

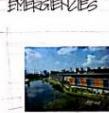


STEEL CONSTRUCTION
 CONCRETE COLUMN

ENTRY

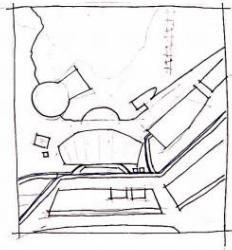


ENTRANCE TO LIBRARY



LAKE OUTDOOR

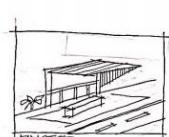
CIRCULATION



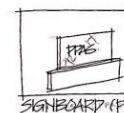
MOTORCYCLE PARKING

PARKING BUILDING OFFERS 600 PARKING JOBS TO THE PUBLIC

STREET FURNITURE

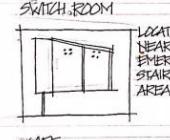


STREET LIGHT LAMP POST



SIGNBOARD (PTAS)

SERVICE AREA



CAFE

SITE PLANNING AND LANDSCAPE



ZONING AREA

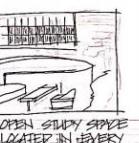


ARCHITECTURAL STYLE

MODERN AERODYNAMIC

CONCEPT: PERPUSTAKAAN DALAM DEKATAN

CONCEPT: PERPUSTAKAAN DALAM DEKATAN



OPEN STUDY SPACE LOCATED IN EVERY FLOOR

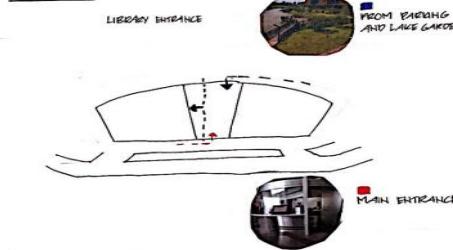
GROUP MEMBERS: ZULAIMAN, SAID MUZAFFAR HELMY

CASE STUDY RAJA TUN UDA LIBRARY



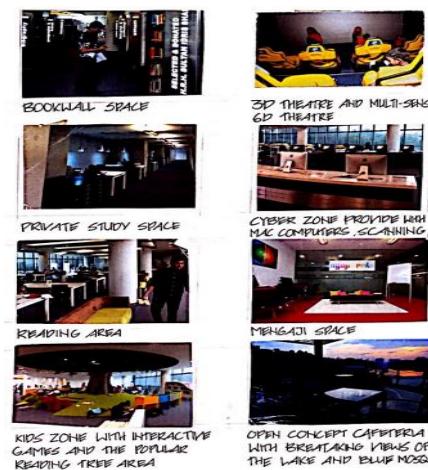
NAME : PERPUSTAKAAN RAJA TUN UDA
 LOCATION : SEKSYEN 13, SHAH ALAM, SELANGOR
 ARCHITECT : MAJULIA SDN BHD
 DATE OPEN : 22 JULAI 2011
 AREA : 203,600 sqft (18,921.91 sqm)

ENTRY

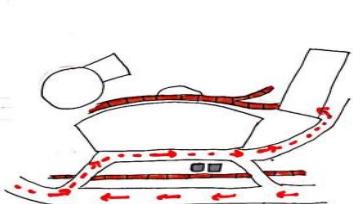


LIBRARY ENTRANCE
 FROM PARKING AND LAKE GARDEN
 MAIN ENTRANCE

SPACES



CIRCULATION



ACCESS PARKING
 PEDESTRIAN

STREET FURNITURE



FIXED FURNITURE
 LAMP
 BUS STOP

SERVICES AREA



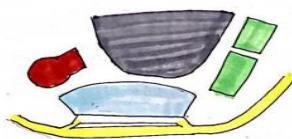
ARCHITECTURE STYLE

MODERN AERODYNAMIC

A FORM SIMILAR LIKE A AERODYNAMIC

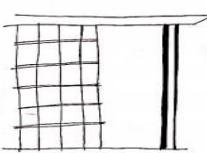


SITE PLANNING & ZONING



PARKING
 CAFETERIA
 RIVER
 MAIN ROAD - JALAN KELAS GOLF 13/5
 LIBRARY

MATERIAL

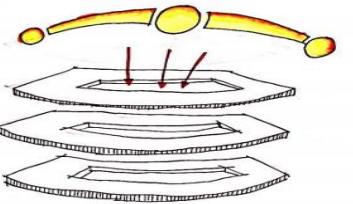


CONCRETE COLUMN

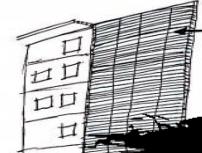


STEEL CONSTRUCTION

VENTILATION



USING A NATURAL VENTILATION ON THE MAIN LIBRARY



USING GLASS WINDOW FOR THE EXTERIOR WALL

Precedent Study

PRECEDENT STUDY ODUNPAZARI MODERN ART MUSEUM



BORN : 1954, YOKOHAMA, JAPAN
EDUCATION : UNIVERSITY OF TOKYO
 COLUMBIA UNIVERSITY
ARCHITECTURE : TEAM PRACTICE USE
 LIGHT AND NATURE
STYLE : MATERIAL
PHILOSOPHY : KAWA STATED GOAL TO
 RECOVER THE TRADITION
 OF JAPANESE BUILDING



ODUNPAZARI MODERN ART MUSEUM

AREA : 3582 m²
COMPLETION YEAR : 2019
LOCATION : ESKISEHIR, TURKEY
CLIENT : POLYMENT HOLDINGS

THE MUSEUM IS PLANNED IN THE CITY OF ESKISEHIR WHERE THE OWNER WAS BORN AND RAISED FROM ONE TURKISH ART AND TO MAKE A CULTURAL CONTRIBUTION TO THE CITY. THE MUSEUM WHICH IS MADE OF A STACK OF OFFSET WOODEN BOXES VARYING IN SIZE. TURKEY IS KNOWN AS A VIBRANT CITY PACKED WITH CULTURAL WHICH MAKE IT THE PERFECT LOCATION.

SHAPE & FORM

TRANSFORMATION

FORM OF A CLUSTER OF BOXES MADE FROM STACKED INTERLOCKING TIMBER BEAM



THE BUILDING CONSISTS OF A GROUP OF SQUARE SHAPE BLOCK THAT ARE SURROUNDED BY LAMINATED TIMBER BEAM STACKED ON TOP EACH OTHER



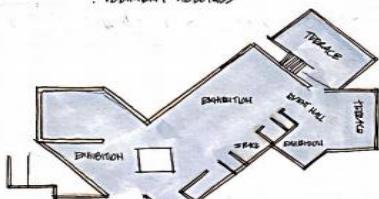
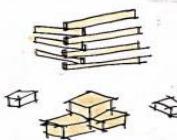
PRINCIPLE

REPETITION

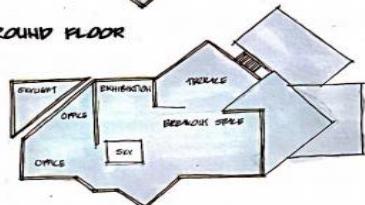
THE ARRANGEMENT OF THE LAMINATED TIMBER WAS REPEATED TO MAKE AS SHADING DEVICE

HIERARCHY

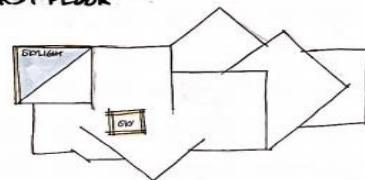
THE ARRANGEMENT OF THE BUILDING BEAMS DIRECTION IS USED AS A



GROUND FLOOR

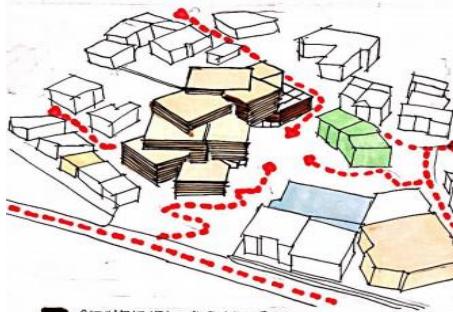


FIRST FLOOR

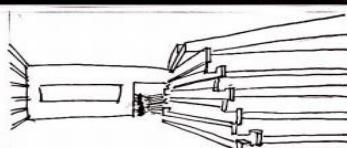


ROOF PLAN

CIRCULATION



ODUNPAZARI ART MUSEUM
 WAX MUSEUM
 HARDGROFFS WORKSHOP
 GLASS WORKSHOP
 GLASS ART MUSEUM
 ENTRANCE



EXHIBITION AREA AT GROUND FLOOR



MAIN ENTRANCE SPACE

FACADE DESIGN



THE FACADE OF THE BUILDING IS MADE OF WOOD. THE BUILDING CONSISTS OF A GROUP OF SQUARE-SHAPED BLOCKS THAT ARE SURROUNDED BY LAMINATED BEAMS STACKED ON TOP OF EACH OTHER

MATERIAL

MAIN MATERIAL

- LAMINATED TIMBER
 - OAK FLOORING
 - GLASS
 - LIMESTONE



COMPERSION



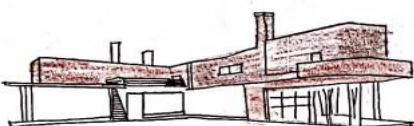
CITY OF ARTS, BEŞIKTAŞ JAPAN



GALLERY OF SHISEIKAN YAMAGUCHI, JAPAN

0605B18P2028 - MOHAMMED HAIRAL BIN KAZUL
 0605B18P2023 - MUHAMMAD ZUL AFIQ BIN ZULKARLAIN
 0605B18P2062 - MUHAMMAD HANIS ASYRAF BIN ISMAIL

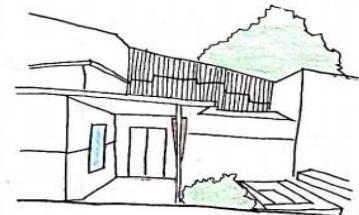
PHILOSOPHY: WE SHOULD WORK FOR SIMPLE · GOOD · UNDECORATED THING.



NAME : HUGO ALVAR HENRIK AALTO
BORN : FEBRUARY 3 1898
DIED : MAY 11 1976
EDUCATION : HELSINKI UNIVERSITY OF TECHNOLOGY (1916 - 1921)
PROJECT : HELSINKI CITY CENTRE



THE MAISON LOUIS CARRE IS ONE OF THE MOST IMPORTANT PRIVATE HOUSES DESIGNED BY ALVARO AALTO. IN THE SAME WAY AS THE VILLA MAIREA IT IS A RESIDENCE THAT BRINGS WORK AND PRIVATE LIFE TOGETHER. THE HOUSE IS LOCATED ON A SLOPING, SOUTH-FACING OF ROUGHLY THREE HECTARES.



KEYWORDS : MODERNISM
PROJECT TIMELINE : 1957 - 1960
TYPE : PRIVATE HOUSE

VILLA MAIREA IS A VILLA · GUEST-HOUSE & RURAL RETREAT DESIGNED AND BUILT BY MODERNIST ARCHITECT ALVARO AALTO

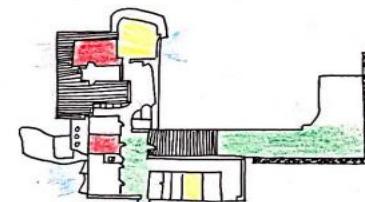
VENUE : NOORMARKKU · FINLAND
CONSTRUCTED : 1938 - 1939
TYPE : VILLA



HUGO ALVAR HENRIK AALTO TENDS TO USE WOOD AS DECORATION · INTERIOR AND EXTERIOR · ITS COLUMN ALSO USES THE SAME PATTERN IN MANY BUILDING HENRIK HAS DESIGN

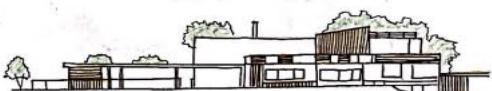


GROUND FLOOR



FIRST FLOOR

IT SEPARATES THE FAMILY ACCOMMODATION FROM COURTYARD GARDEN AND ENCLOSED BY COMBINATION WALLS · FENCES · TRELLISES AND WOODEN SAUNA

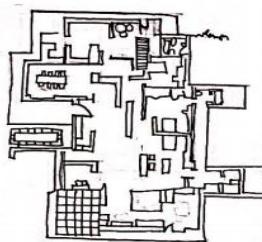
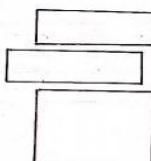


ELEVATION

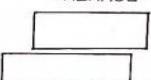
NAME : NUR JANEYLEZA F2049
 NURIN SHAHIDA F2009
 FARZANA ALIA F2013
 DCA 3124 DESIGN 2

E.P.O

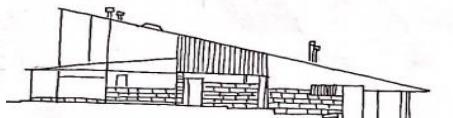
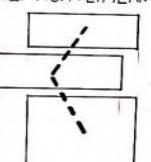
ELEMENT : SHAPE



PRINCIPLE : ASSYMETRICAL BALANCE

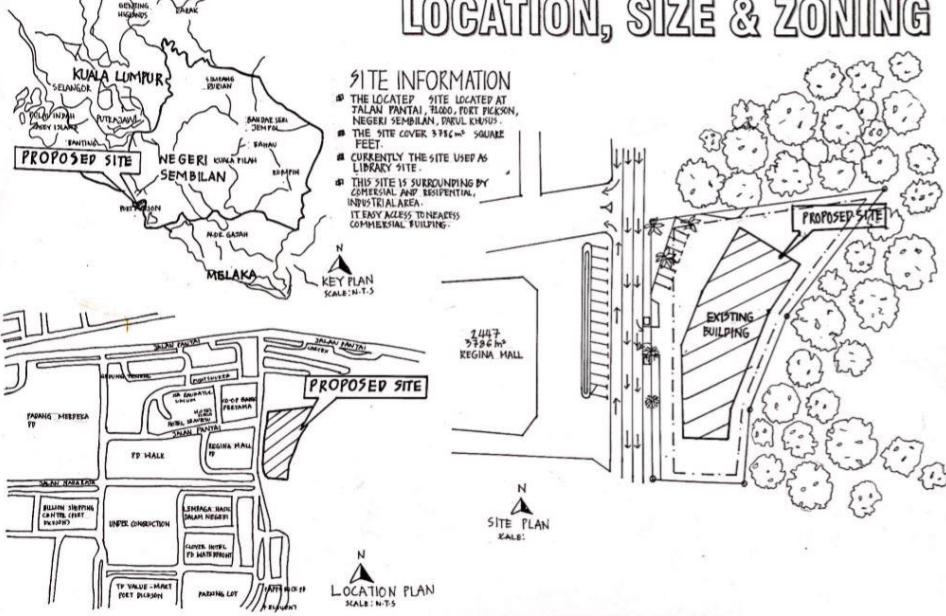


ORGANIZATION : LINEAR

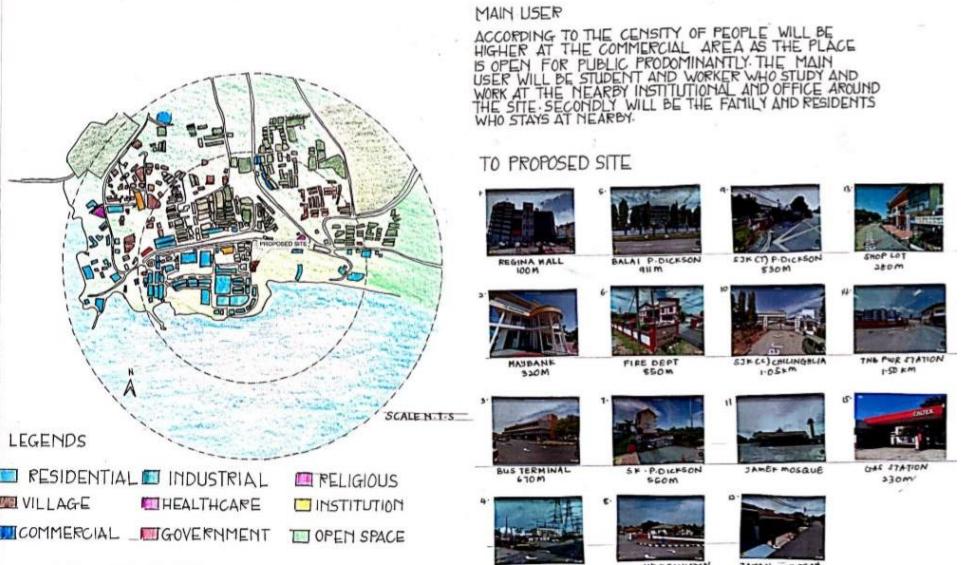


Site Analysis

SITE ANALYSIS | DCA3124 DESIGN 2 | DEC 2019 | REVITALIZING PUBLIC LIBRARY
LOCATION, SIZE & ZONING



LOCATION, SIZE & ZONING



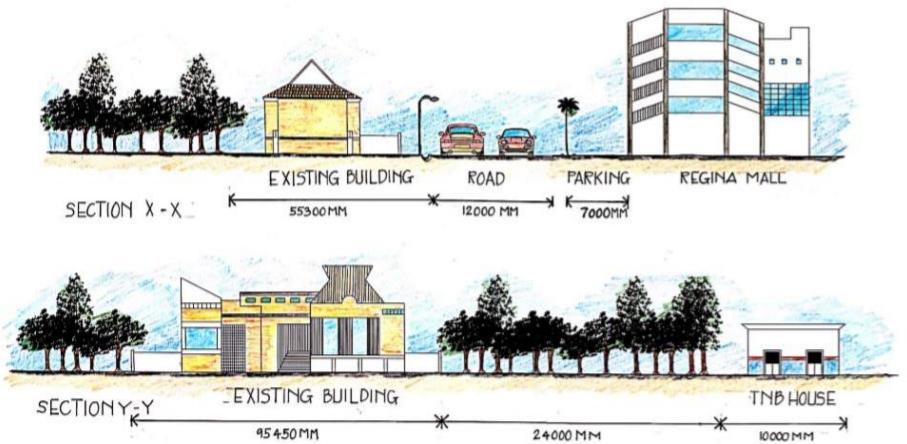
LOCATION, SIZE & ZONING

INTRODUCTION

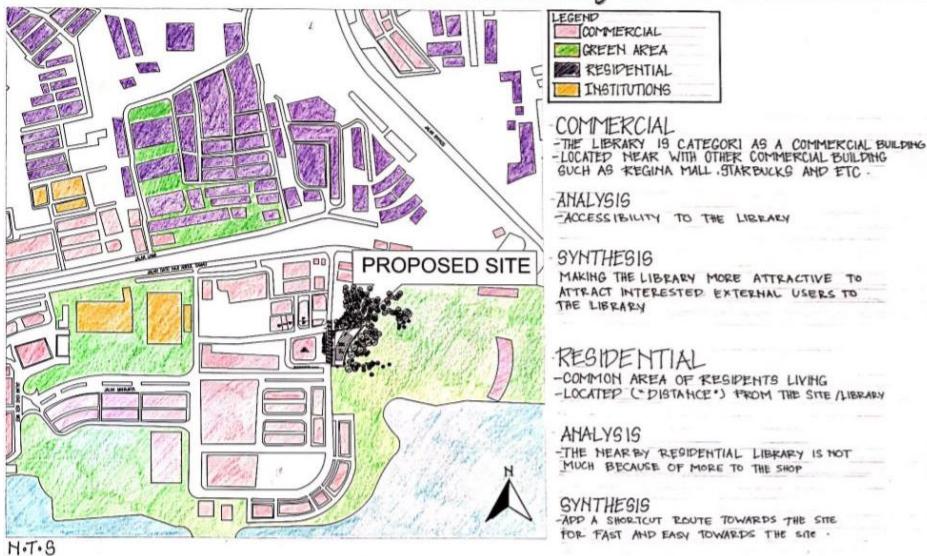
- NEGERI SEMBILAN PUBLIC LIBRARY CORPORATION WAS ESTABLISHED IN 1934 UNDER THE ENACTMENT OF THE STATE PUBLIC LIBRARY.
- PORT DICKSON DISTRICT PUBLIC LIBRARY WAS OPENED TO THE PUBLIC ON OCTOBER 2, 1995 AT LEVEL OF PORT DICKSON.
- THE STRKEATION BUILDING IN LOCATED IN A STRATEGIC AREA IN THE MIDDLE OF CITY.
- ON JULY 27, 2001 PORT DICKSON DISTRICT PUBLIC LIBRARY HAS MOVED TO A NEW BUILDING.
- IT WAS BUILT BY SKI BUKTI COMPANY WITH AN AREA OF 3700 SQUARE FEET.
- THIS SITE IS A SHOPPING MALL SITE. HOWEVER, THE GOVERNMENT CHANGE ITS MIND AND MADE THE SITE AS A LIBRARY.
- PORT DICKSON IS A POPULAR WITH BEACH.
- WHERE IT WAS A TOBRIST ATTRACTION.
- PD WATERFRONT IS AN ESPLANADE DEVELOPMENT AT PORT DICKSON'S TOWN. A POPULAR SPOT IN THE EVENING FOR FAMILIES TO FLY KITES, THE PD WATERFRONT PROJECT IS ALSO A DESIGNATE ENTERTAINMENT, DINING AND SHOPPING ZONE.
- WITH TOURISM, THEY ALSO LIBRAR USER.
- SCHOOL ALSO LIBRARY USER.
- STUDENT CAN FIND REFERENCE BOOK IN THE LIBRARY.
- TEACHER CAN ARRANGE A VISIT TO THE LIBRARY.



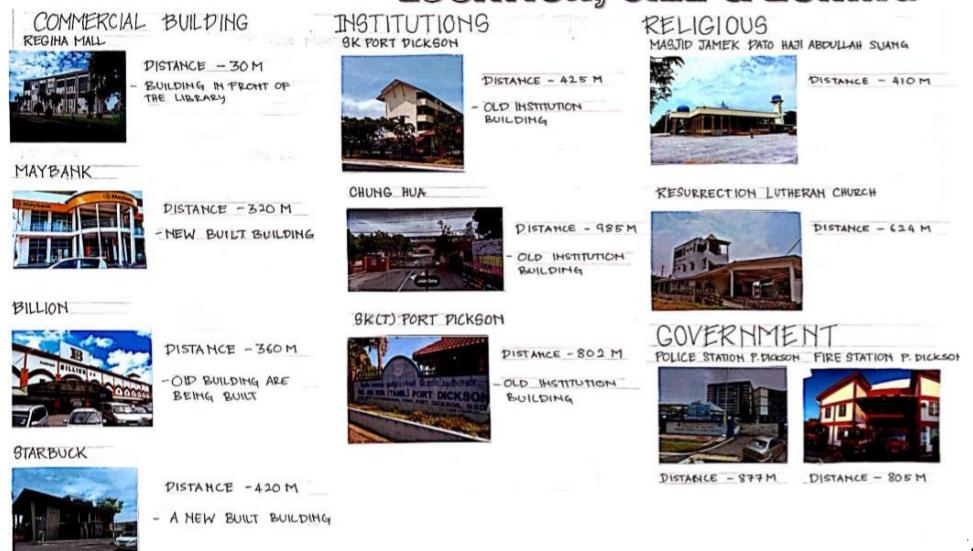
LOCATION, SIZE & ZONING



LOCATION, SIZE & ZONING



LOCATION, SIZE & ZONING



Serene Public Library

Nik Aidid Baihaqi bin Nik Ali Noordin

INTRODUCTION

PORT DICKSON PUBLIC LIBRARY, LOCATED AT JALAN PANTAI IN PORT DICKSON TOWN WAS BUILT IN 2001. THE SITE WHICH COVERS ABOUT 3786 SQM IS VERY STRATEGIC AS IT IS CLOSE TO VARIOUS PUBLIC AMENITIES SUCH AS SHOPS, BUS TERMINAL, OFFICES, SCHOOLS, HOTELS ETC. THE SCENIC PORT DICKSON WATERFRONT IS JUST WITHIN WALKING DISTANCE FROM THE LIBRARY. DESPITE SUCH ADVANTAGES, THE BUILDING IS NOT YET FULLY UTILIZED OR UPGRADED TO BE RELEVANT TO MEET THE EXPECTATIONS OF USERS IN THE ERA OF RAPIDLY GROWING TECHNOLOGY TODAY. THESE DAYS PEOPLE'S LIFE STYLES HAS CHANGED AND THE WAY PEOPLE USE LIBRARY AS A RESOURCE CENTRE IS ALSO CHANGE. THEREFORE, IN ORDER TO MAKE THE EXISTING LIBRARY RELEVANT TO THE RECENT TRENDS TO CATER FOR THE COMMUNITY NEEDS, IT IS PROPOSED TO BE REVITALIZED BY TRANSFORMING ITS DESIGN AND FUNCTIONS. SUCH TRANSFORMATION TO IMPROVE THE BUILDING'S APPEARANCE AND SPACES FOR MORE APPEALING IMAGE AND BETTER SERVICES IS VITAL AS THE ROLE OF PUBLIC LIBRARY IN THE 21ST CENTURY HAS BECOMING MORE IMPORTANT AS COMMUNITY HUB TO CONNECT PEOPLE TO INFORMATION AND PEOPLE TO PEOPLE.

AIM

TO REDESIGN THE EXISTING PUBLIC LIBRARY BY TRANSFORMING IT INTO AN "EDU-LEISURE" FACILITY WHICH APPLY EQUANIMITY CONCEPT.

OBJECTIVES

- TO APPLY CURVILINEAR AND FLUIDITY MOTIFS INSPIRED BY FREE FLOWING AND DYNAMIC MOVEMENT OF SEA WAVES INTERIORLY AND EXTERIORLY TO ENHANCE "LEISURE" MOOD FOR RELAXING AND LIVELY ATMOSPHERE, IN ACCORDANCE WITH EQUANIMITY CONCEPT.
- TO PROVIDE A GREEN AREA FOR NATURAL FEATURE ELEMENTS IN THE CENTRE OF THE BUILDING SPACE FOR COOLING AND REFRESHING EFFECTS INSIDE THE BUILDING.
- TO PROVIDE AN OPEN SPACE IN THE CENTRE OF THE BUILDING TO LET THE NATURAL VENTILATION INSIDE THE BUILDING.
- TO UTILISE GLASS MATERIAL ON MAIN FACADES TO ALLOW NATURAL SUNLIGHT INTO THE BUILDING AND FOR BETTER VIEWS TO THE OUTSIDE.
- TO CREATE A SOFTER AND ORGANIC BUILDING FORM THAT ENHANCE THE BUILDING CONCEPT AND PORTRAY A NEW IMAGE AND IDENTITY THAT WILL ATTRACT USERS AS WELL AS ENLIVEN THE SURROUNDING AREAS.

ISSUES

A) SITE ISSUES

- THE LOCATION IS VERY STRATEGIC AS IT IS CLOSE TO VARIOUS PUBLIC AMENITIES AND ACCESSIBLE FROM THE MAIN ROAD BUT NOT YET BECOME A HAPPENING PLACE FOR THE LOCAL PEOPLE OR TOURISTS.
- THE ADJACENT BUILDING, REGINA MALL AND THE NEARBY PORT DICKSON WATERFRONT PROVIDE HIGH POTENTIAL FOR THE PUBLIC LIBRARY TO BE A COMMUNITY HUB OR A MUST VISIT PLACE FOR THE TOURISTS.
- MOST OF THE NEIGHBOURING COMMERCIAL AND INSTITUTIONAL BUILDINGS HAVE IDENTICAL STYLE AND CHARACTER, LACK OF AESTHETIC VALUES AND IDENTITY.
- THE TOWN STILL LACKS OF LANDMARKS, PUBLIC LEISURE FACILITIES AND GREEN AREAS TO ATTRACT LOCAL PEOPLE AND TOURISTS.
- NO PUBLIC FACILITIES AVAILABLE FOR SOCIAL AND EDUCATIONAL ACTIVITIES FOR THE COMMUNITY ESPECIALLY FOR YOUNGSTERS.

PRECEDENT STUDY



RENZO PIANO

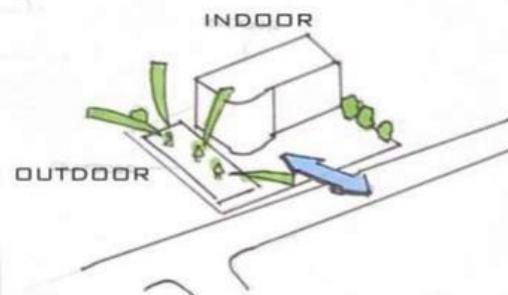
HE CREATE A DESIGN BUILDING THAT INTEGRATE WITH NATURE TO TAKE THE ADVANTGE OF NATURE. BY USING A GLASS FACADE TO MAXIMIZE THE NATURAL VIEW AND NATURAL VENTILATION



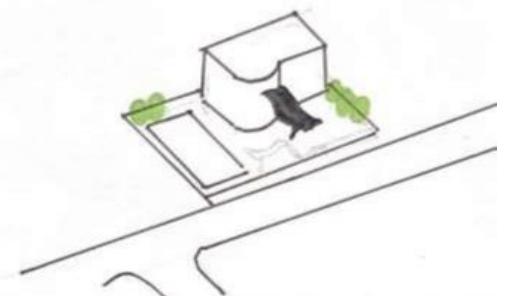
TARGET USER



IDEAS AND STRATEGIES

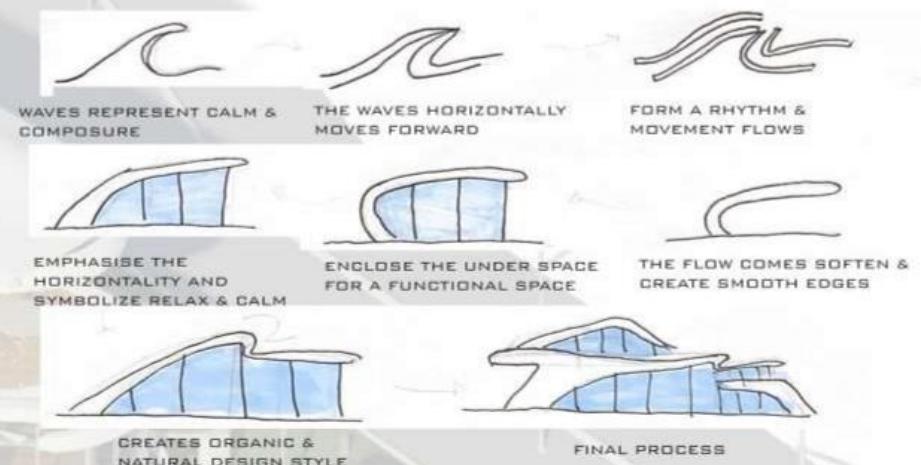


CREATE INDOOR AND OUTDOOR ACTIVITIES TO CREATE MORE LIVEABLE LIBRARY



CREATE AN ATTRACTIVE ENTRANCE OR FOCUS ON SENSE OF WELCOMING TO ATTRACT USER

IDEA DEVELOPMENT



CASE STUDY



BY CREATING A FLUIDITY OR CURVY FACADE, IT CREATES A NATURAL & ORGANIC IN TERMS OF ARCHITECTURE STYLE



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