
KARST REBORN
BETWEEN KARST, QUARRY HERITAGE & EDUTOURISM
An industrial edutourism centre that transforms Tasik Cermin's limestone and quarry heritage into a public learning experience through museum spaces, interpretation areas, workshops, and controlled manufacturing observation.
Manufacturing Zone
PRODUCTION
RAW MATERIAL
COMMUNITY STEPS
RECYCLING AREA EXTERIOR PERSPECTIVE
RECYCLING AREA INTERIOR PERSPECTIVE
Loading / Receiving
Sorting
Cleaning
Cutting
Secondary Cutting
Crushing
Oring
Shaping
Hydrating Slaking
Oven / Kiln
Temporary Storage
Storage
TARGET USER
75,000
Eco-Tourists
Researchers
Student
Local
Tourism
20%
15%
65%
Tasik Cermin receives a high number of tourism visitors, especially on weekends and public holidays. Most visitors come for short visits focused on scenery, boat rides, and photography. Tourism forms the largest user group and represents the
SITE PLAN
N T SCALE
SOUTH ELEVATION
HISTORY WALKWAY
CULTURE
HERITAGE
EDUTOURIS
COMMUNITY
VISITOR EXPERIENCE SEQUENCE
CORE PROGRAMS
01
PUBLIC ENTRY STAIR & GARDEN
The journey begins with a public stair and planted forecourt in front of the main entrance. This space attracts the surrounding community, creates a welcoming threshold, and works as an outdoor gathering area before visitors enter the project.
02
QUARRY ATRIUM DESCENT
03
GLASS OBSERVATION GALLERY
04
TRAIN & UNDERGROUND
05
HYDRO-ENERGY CAVERN
06
VERTICAL RESTAURANT TOWER
07
HISTORY HANGING WALKWAY & KARST
GROUND FLOOR PLAN
FIRST FLOOR
SECOND FLOOR
MAIN ENTRANCE EXTERIOR PERSPECTIVE
SERVISE ROAD EXTERIOR PERSPECTIVE
HISTORY WALKWAY EXTERIOR PERSPECTIVE
SECTION A-A
SECTION B-B
EDUCATION BUIDING
MUSEUM BUILDING
MUSEUM EXPLODED
HANGING RESTAURANT
Hanging Cantilever Sitting
GUNUNG RAPAT LIMESTONE HILL
MANUFACTURING ZONE
UNDERGROUND GALLERY
BASEMENT FLOOR INTERIOR PERSPECTIVE