A Proposed Botanical Park for Libunao Protected Landscape for the Conservation of Philippine Endemic Species Brgy. Nagcullooban, Sinait, Ilocos Sur, Philippines

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Libunao Protected Landscape has an area The endangered and endemic species can of 46.7 hectares and is located in attract researchers and ecotourism enthusiasts. Brgy. Nagcullooban, Sinait Ilocos Sur. which can promote sustainable ecotourism.



Social

Brgy. Nagcullooban has a population of 430 and household of 130 with the smallest household size of 4.17 or 4 persons per hectare.



Technological

Underdeveloped ecotourism due to the undeveloped site and unpaved roads.



People seem to be unaware of the importance of PA, PA management, PA policies, and metes and bounds of the PA.



Biological resources in the area are threatened by illegal activities and unregulated use of commercialized fertilizers and pesticides.

Design Concept

Ngipen ti bawang (n)
Clove of Garlic

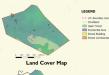
The unregulated use of commercialized pesticide and fertilizer create an imbalance in biodiversity, soil characteristics, and water quality of the PA which can affect the growth of the species. Based on the studies, garlic can be an organic fertilizer and possible pest control for different crops. In order to promote organic fertilizer and pesticides; and since Sinait, the city where the LPL is located, is known as the Garlic Center of the North, the concept "Ngipen ti Bawang" will be used in constructing the design.

Thus, the design will follow a curvilinear form inspired by the shape of a garlic clove and the color palette will represent the spiciness of a garlic.

Vision

Promote organic pesticides and fertilizers in order to protect and conserve threatened and endemic species while showcasing the beauty of these species; and in turn increasing the city's economic growth.

Site Inventory



Avifauna Map







Design Philosophy

Responsible Conservation "If conservation of natural resources goes wrong, nothing else will go right."- M.S. Swaminathan

The Conservation Theory which states that the inborn survival response mobilizes the person to take action to regain the lost resources and the Social Responsibility Theory which states that actions must benefit the whole of society, were used in creating different zones and the spaces under them. The first zone, Amenity Zone, allows the users to charge before and after they do their work in conserving their resources. The second zone, namely Learning Zone, allows the users

to have an idea why they need to conserve and protect the environment. The last zone which is the Application Zone allows the users to take action about the current problem.



Replenish Energy to Prepare for Natural Resources



Knowledge on and Pesticides



Philippine **Endemic Species**

Organic Fertilizers



FUNCTIONAL DIAGRAM

