

## **ABSTRACT**

*Situ Patenggang is located in Ciwidey, Bandung, West Java which is included as a conservation area on Patuha Mountain. In its management, Situ Patenggang uses the principle of ecotourism. Ecotourism is defined as a form of tourism activity that utilizes the authenticity of the natural environment, the interaction between the natural environment and recreational, conservation and development activities. The concept of ecotourism has not been fully implemented. There is no interaction between the natural environment and recreational activities that can give a sense of responsibility or awareness of the community and visitors to environmental sustainability. Making herbarium products (plant preservation) is one of the innovations that aims to provide knowledge to visitors about the diversity of plants in the Situ Patenggang area. The research was carried out using qualitative descriptive-comparative and SWOT methods. Based on the material aspect, the manufacture of products is using plant preservation techniques using media / resin materials commonly called bioplastics, with long-lasting, strong, and colorless characteristics. While the plant analysis was conducted to determine the classification of plants, the shape of the leaf morphology, and interesting information from the plant to be used as a herbarium layout. From the aspect of visualization (composition, unity and rhythm), a high placement of herbarium products that correspond to the natural Range of Motion (ROM) is produced, placed into a unity of the section of the fence that is mounted with a pivot rotating system so that visitors can hold, rotate, and looking at both sides of the herbarium (front and back) alternately. While the aspect analysis is adjusted to the aesthetic of the saung so that it produces a rhombic (geometric) shape, uses natural colors (green and yellow), and has a smooth surface texture. The product concept is then realized by making prototypes to communicate and describe concepts in the form of real products.*

*Keywords: bioplastic, design, gazebo, herbarium.*