

ABSTRACT

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UTILIZATION OF MATERIAL AS A DESIGN EXPLORATION ON AKANOMA STUDIO PROJECT

The main challenge in the selection of design materials is the need for efficiency of time, cost, and quality. Design exploration becomes an alternative method to achieve the desired efficiency. Through the exploration of materials, there are many unexpected opportunities and new material functions discovered. The main purpose of this paper is to explain how the exploration of design in the context of material can be a solution to a cost-effective with a high-value and functional design. With the basic idea of reuse, recycle, and rebuild, this paper will discuss the manifestations of material exploration through two different designs which are an auditorium with Toraja contemporary vernacular style and a compact house that is low-budget, green, comfortable, and yet personal concept. In addition, modification in patterns, dimensions, and the use of new techniques on the alternative materials are some examples of material exploration that will be discussed further in this paper.

Keywords: design exploration, materials, design efficiency

