

## **ABSTRACT**

*One of the technological developments in the field of construction is the development of materials used. Specifically for floor work construction, the Indonesian people are more familiar with floor plates/slab with concrete floor work. However, a new material for floor plates known as Keramik Komposit Beton (Dak Keraton), was introduced and applied to construction projects in Indonesia. Dak Keraton is considered more efficient because it does not require a lot of scaffolding, concrete cast material (cement, sand, and gravel) and reinforcement. So Dak Keraton can be an option for using materials used as floor work plates for construction projects. This research used analytic method in calculating the need for floor work using Dak Keraton and Conventional. The research data obtained through observation and interviews from the object and distributor of the Dak Keraton. The total cost needed to work on the Dak Keraton floor work plates is Rp.164,058,906, while the conventional plates is Rp.186,797,653. In the other words, Dak Keraton methods is 12.17% cheaper than the Conventional floor slab. This is due to the fact that Keraton construction does not require as much scaffolding and material cast as conventional slab. In addition, by having compressive strength in accordance with conventional Keraton can save direct costs in project work.*

**Keywords:** *Plate, Dak Keraton, conventional, budget.*

