

## THE USE OF WALL PANELS EPS AND BRICK WALL ON SIMPLE HOUSE SEEN FROM COST

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### ABSTRACT

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*Nowadays a lot of material that use as a wall material, but it appears new innovations are emerging as one of the wall material EPS panels. This study aims to look at the cost of a simple house with light brick wall with EPS panel with PUPR standards and standards developers.*

*This research using quantitative descriptive method done by collecting data such as pictures bestek sourced from Public Works and Public Housing (PUPR) as the standard type of house that is in force, the image bestek sourced from developers as a sample to be examined, the list of unit prices of building materials and unit price list workers' wages. Determination of the sample in this research is purposive sampling, which consists of a simple house type 36, 45, and 52, respectively totaling 3 samples. The observation was done by calculating the Budget Plan (RAB) simple house with a wall panel EPS and Budget Plan (RAB) simple house with light brick wall on the same type of house.*

*The results showed that based on calculations performed at home with a standard PUPR with light brick wall Rp 3,938,651.49 and wall panels EPS of Rp 3,9772,775.99. Difference house EPS wall panel with a standard home light brick wall PUPR have a price difference of Rp. 34,124.5 / m<sup>2</sup>. In addition the average price of light brick wall with a standard developer Rp 4,105,653.15 / m<sup>2</sup>, while the EPS house with wall panels have an average price of Rp 4,443,451.19 / m<sup>2</sup>. Difference in the house with the standards developer has a difference of an average price of Rp. 337,798.04 / m<sup>2</sup>. Then the difference between a standard house with PUPR has 10.1% of the value of the average difference in price per m<sup>2</sup> home with a standard developer. So that the light brick wall cheaper when compared to the EPS panels and wall panels EPS is more properly used in a simple house that has a standard specification.*

**Keywords:** *Cost, Small House, Brick Wall Light, Wall Panel EPS*