

## ***ABSTRACT***

**Thesis Title : Decision Support System Determining The Best Building Materials In ONE Gadut Store Using TOPSIS Method Using PHP Programming Language and Mysql Database**

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The purpose of this research is to make a decision support system in determining the best building materials. In this system, the recommendation for the decision to choose the best building material is determined by the weight and criteria that include price, durability, ethics, availability and supporting materials. This system uses TOPSIS method as the basic calculation to determine the score criterion. The TOPSIS method is able to choose the best alternative that has the closest value of the positive ideal solution and has the furthest value of the negative ideal solution. The results obtained from this system are shown in the rankings that will be used to select the best alternative from some alternate number. System testing process done by comparing the results of manual calculations with the system calculation shows the same results. The results of decisions obtained from the system show that the system is easy to use and is beneficial for shop owners in determining the best building materials.

*Key words : DSS, building materials, TOPSIS Method*