In realization of construction project, material as one component of cost, has important role in supporting the success of project. Provisioning material takes big part of the project’s total cost. Therefore, the use of material is attempted to be in minimum amount, so that there are just a small amount of waste material produced. However, the use of material at the site sometimes is not tree from error and carelessness. The error and carelessness in material problem are well known as material waste, that often appear and difficult to avoid. This research is due to know the materials which has big potential in becoming waste and the cause, effort of minimizing the waste that will be produced, and waste handling which has happened in each materials.

The data collecting was done by questionnaire spread. There are two kinds of questionnaire, which are introductory questionnaire and main questionnaire. The introductory questionnaire is used for knowing the attributes which have influence in construction realization, which will be researched later by the main questionnaire in order to rank the material waste based on waste volume, number or level of effect of housing condition to waste produced, and number or level of waste handling compatibility to project’s actual condition by using frequency analysis and mean analysis.
The analysis result shows that materials which have big potentials to become waste is ceramics material, roof, woods, paint, and concrete steel. The main cause of material waste in ceramics material, roof, woods, and concrete steel is the worker’s error. Whereas for paint material, the cause of material waste is by sudden change of specification. With the intention of minimizing the amount of waste that will be produced in ceramics material, roof, and concrete steel, carefully work can be done. For woods material, it can be done by good working plan, and for paint material, it can be done by appropriate implementation method. To handle the material waste that has been produced on ceramics material, roof, and paint is done by reusing, but for woods material, is done by resaving for the following project.

Keywords: material, material waste, housing project