

# PREPARATION OF BILLS OF QUANTITIES AND COSTING FOR THE SUB-STRUCTURE WORK OF A SEMI-DETACHED HOUSE IN KELANTAN

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## ABSTRACT

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For this project, the substructure of semi-detached house will be discussed in this report. First of all, the objectives of this project are:

- Prepare the taking off measurement work and the BQ according to Standard Method Measurement (SMM2).
- To estimate all substructure work and purpose the costing.
- To carry out the substructure literature review.
- To prepare costing for the substructure work uses a principle of buildup rate.

The substructure work is the work below the ground which is from excavation until ground floor slab. Without a good substructure will affect the structure on the ground, it is because the substructure needs the support above the load such as dead load, live load and imposed load. If the substructure cannot support the load above settlement or collapse will happen.